Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 22nd Year Monitoring Contract
Task #, Name: HMI 22nd Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 22nd Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/03-04/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
850	50030020	293644	22nd Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:** **Revision #:**
$320,719	
% Complete-Work (Total):	**% Expended (Total):**
55%	**35.59%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
55%	45%	42.64%	57.36%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 22nd Year Monitoring Contract**
Task #, Name: **HMI 22nd Year Monitoring Contract**

Project Status – Issues/Solutions (both required):

- The summer sampling for Year 22 was completed in September 2003.
- No unusual conditions or delays have befallen the project.
- Sorting of benthic macroinvertebrates in the lab is complete.
- Identification of benthic organisms has begun.
- All samples have been collected by MGS and CBL and analyses have begun.
- Draft reports are scheduled to be submitted to MPA by the end of December 2004.

Signature/Date: 01/28/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 23rd Year Monitoring Contract
Task #, Name: HMI 23rd Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 23rd Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/04-01/31/06**

Budget Line #	PIN #	Contract #	Task #, Name:
855	50030020	293644	22nd Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:**	**Revision #:**
$321,944		

% Complete-Work (Total):	**% Expended (Total):**
5%	**0.74%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
5%	95%	2.18%	97.82%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 23rd Year Monitoring Contract**
Task #, Name: **HMI 23rd Year Monitoring Contract**
Project Status – Issues/Solutions (both required):

- The first field sampling has been conducted. MDE sampled on September 24, CBL and MGS sampled on Sept. 23rd and 24th.
- The last invoice received on this project was processed by 12/20/04.

Signature/Date: 01/28/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Interagency Agreement MDE/MPA Monitoring
Task #, Name: #2, Baltimore Harbor TMDL Project

Project Name:	**MPA Project Manager:**
Interagency Agreement MDE/MPA Monitoring – Baltimore Harbor TMDL Project	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**01/31/03-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
1255	54010710	500910	#2, Baltimore Harbor TMDL Project

Project Budget (Total):		**Revisions:**	**Revision #:**
$164,000			
% Complete-Work (Total):		**% Expended (Total):**	
50%		**28.54%**	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
50%	50%	9.60%	90.40%

Project Goal(s):

- To conduct water quality related computer modeling of Baltimore Harbor.

Project Objectives:

- To estimate non-point source loads, simulate fate of toxics in Baltimore Harbor – harbor models and provide detailed assessment (Upper Bay Model) – VIMS.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Interagency Agreement MDE/MPA Monitoring**
Task #, Name: **#2, Baltimore Harbor TMDL Project**

Project Status – Issues/Solutions (both required):

- The toxic TMDL is currently being drafted.
- Modeling scenarios are currently being run for both the toxics and nutrient TMDLs.
- MDE expects to submit final nutrient and toxic sediment TMDLs to EPA in September 2004.
- MDE began drafting the TMDL and running various model scenarios to assess pollution control options.

Signature/Date: 01/28/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II
Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

Project Name:	**MPA Project Manager:**
Analysis of Emissions from Ship & Port Operations – Third Phase (This project is included under MES Open Ended Consulting EPATS)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service/Edwards & Kelcey (E & K)	**12/15/00-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	#15, Anal. Of Emissions from Ship & Port Ops. –3rd Phase

Project Budget (Total):	Revisions:	Revision #:
$161,952	$55,028	3

% Complete-Work (Total):	% Expended (Total):
69%	69.06%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
11%	89%	10.97%	89.03%

Project Goal(s):

- To produce a report on air emissions from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from shop and MPA operations in the Port of Baltimore.
- To produce a report on possible demonstration scale implementation of catalytic after-treatment technologies on tugboats operating in the POB: and to investigate idle reduction technologies for intermodal trucking operations serving the POB.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Analysis of Emissions from Ship & Port Operations – Study Phase II**
Task #, Name: **#15, Analysis of Emissions from Ship & Port Operations – 2ndPhase**

Project Objectives:

- To gather information on air emissions from Port activities.
- To investigate and identify possible targets for reductions in air emissions from Port activities.
- To produce reports that can be management tools in identifying objectives and criteria to reduce emissions from Port activities.

Project Status – Issues/Solutions (both required):

- Andrew Parker contacted MES and requested that the start dates for the Phase III pilot study surveys be delayed to enable MPA to complete identifying the representatives of the tugboat and trucking industries. MES responded that this was acceptable, but that the overall schedule should be tracked, as there is currently a February task completion date identified in the original Task approval from MPA. If that February date is going to change, MPA will also need to approve the schedule change.
- Andrew Parker has not contacted any further Port entities in November.
- MES prepared a meeting summary edits were incorporated in November, it will be sent in early December.
- The most recent invoice received on this project was processed on 12/31/04.

Signature/Date: Anthony K. Bonn 01/25/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: APG General Reconnaissance
Task #, Name: #32 – APG General Reconnaissance

Project Name:
APG General Reconnaissance
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service/Andrews, Miller & Associates, Inc.

Contract Period Relevant to this EPATS Task:
4/25/02 - 6/30/05

Budget Line #	PIN #	Contract #	Task #, Name:
1215	5400010	500912	#32, APG General Reconnaissance

Project Budget (Total):

$271,849

Revisions: **Revision #:**

% Complete-Work (Total):

100%

% Expended (Total):

96.23%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
100%	0%	21.92%	78.08%

Project Goal(s):

- Place dredged material at the site as a natural resource for protecting valuable environmental habitat and from further shoreline erosion.
- General reconnaissance of the Aberdeen Proving Ground area to develop information regarding environmental and coastal conditions and unexploded ordinance and hazardous materials issues, identify land and water areas that are potentially suitable for use as dredged material placement sites.

Project Objectives:

- To conduct/develop a reconnaissance level of study of land and water areas within the boundaries of Aberdeen Proving Ground (APG) that are potentially suitable as dredged material placement sites with emphasis on water areas in the Chesapeake Bay and tributaries and on land areas with riparian access or otherwise accessible from the APG shoreline.

Project Status Report Form
Prepared by
Harbor Development

Project Name: APG General Reconnaissance
Task #, Name: #32 – APG General Reconnaissance

- Identify and characterize the types, conditions, and prospective locations in composite format of hazardous and toxic materials that may be encountered.
- Identify and characterize the types, ages, conditions and prospective locations in composite format of UXO that may be encountered.

Project Status – Issues/Solutions (both required):
Issues

- Tasks 1-4 of the AMA contract are complete. This includes: the determination of APG Military and Superfund Status Relative to Dredged Material Management; Environmental Conditions Reconnaissance; Hazardous Materials and UXO Reconnaissance and Preliminary Risk Assessment; and Coastal Engineering Reconnaissance. The final report, electronic deliverables, and the ten project objectives listed are above have been met.

- For Task 5, The Final report for the Reconnaissance Study of Environmental Conditions at APG, UXO and Hazard Analysis in the Chesapeake Bay, and Coastal Engineering Reconnaissance Study for APG was finalized and submitted to MPA on October 26, 2004. Electronic copies of the report were submitted January 10, 2005. This December status report is the final report for this task, this project is complete and MES recommends closing out this task.

Signature/Date: 01/28/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

Project Name:	**MPA Project Manager:**
Hart-Miller Island Ph Study	Nathaniel K. Brown
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service	2/01/03-06/30/05

Budget Line #	PIN #	Contract #	Task #, Name:
1215	54000010	500912	#38, Hart-Miller Island Ph Study

Project Budget (Total):	**Revisions:** **Revision #:**
$234,173	
% Complete-Work (Total):	**% Expended (Total):**
85%	47.28%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
85% (Adjusted to reflect additional subtasks added August 2004)	15%	44.84%	55.16%

Project Goal(s):

- To review existing and potential conditions in dredged material containment that may cause acid forming conditions and to assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control the acid forming conditions.

Project Objectives:

- To identify and assess existing and potential conditions that may cause acid forming conditions at HMI.
- To identify and assess dredging and dredged material containment operations that may cause acid forming conditions at HMI.
- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

- Identify and assess the suitable solutions for the management and control of acid forming conditions; and to identify and assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control Ph formations.

Project Status – Issues/Solutions (both required):

- **Issues**
- None

- **Solutions**
- None required.

- **MES Activities:**
- Prepared November progress report and reviewed client invoice for accuracy.
- Coordinated with subcontractor in preparation for North Cell Closure Scenario Report (NCCSR), and planning for January presentations/meetings.
- Coordinated with the North Cell Closure Team (NCCT) for information on the NCCSR, including – sediment quality data, filling plans, anticipated dredging projects and scheduling.
- Provided additional comments on draft NCCSR and presentation.
- Coordinated with NCCT for January conference call (01/06) and meetings (01/11, 01/18).

- **Contractor (M&N / OAS) Activities:**
- Continued working on NCCSR
- Started presentation for upcoming NCCT and HMI COC meetings in January.

- **Future Activities:**
- MES will coordinate and facilitate and the next NCCT conference call tentatively scheduled for January 7th. MES will also attend the NCCT meeting January 11th and HMI COC meeting January 18th.
- MES will continue to manage M&N and OAS in the development of the closure plan scenario document to be finalized and presented in January.
- M&N and OAS will continue developing the NCCSR
- OAS will attend the NCCT meeting on January 11th and the HMI COC meeting on January 18th.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Hart-Miller Island Ph Study**
Task #, Name: **#38, Hart-Miller Island Ph Study**

Signature/Date: 01/28/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:

Poplar Island Expansion Feasibility Study
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period:

08/01/03-06/30/05

Budget Line #	PIN #	Contract #
1215	54000010	500912

Task #, Name:
Task #44, Poplar Island Expansion Feasibility Study

Project Budget (Total):

$110,001

Revisions: **Revision #:**

% Complete-Work (Total):

58%

% Expended (Total):

57.97%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
58%	42%	36.29%	63.71%

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Expansion Feasibility Study
Task #, Name: #44, Poplar Island Expansion Feasibility Study

Project Status – Issues/Solutions (both required):

Subtask 44.1 Task Planning, Technical, Environmental and Administrative Services for the Poplar Island Expansion Project Management Plan Feasibility Studies (MES)

- On December 1st, MES submitted draft minutes from the November 18th meeting to the team for review/comment.
- On December 6th, MES received EA's status report.
- MES submitted a monthly status report to MPA mid-December.
- On December 14th, MES submitted final meeting minutes from November 18th to the team.
- MES prepared for and attend the team meeting on December 16th. MES also recorded minutes for this meeting.
- MES corresponded with MPA about future anticipated work for EA and the possible need for more funding. MPA noted that there was no identified need at the moment for additional funding.
- MES drafted and submitted a no cost contract extension for EA.

Future Work Anticipated in January:

- MES will prepare for and attend the PIES meeting on January 20th. MES will also record meeting minutes.
- On January 3rd, MES will submit draft meeting minutes from December 16th to the team for review/comment.

Subtask 44.2 Poplar Island Expansion Feasibility Project Management Planning Support (EA/GBA)

- On December 6th, EA submitted the monthly status report to MES.
- EA staff addressed some minor technical questions.
- EA participated in the team meeting on December 16th via teleconference.

Future Work Anticipated in December:

- EA will attend the next team meeting scheduled for January 20th

Signature/Date: Nathaniel K. Ramm 01/28/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Characterization of Sediments, New Work Projects – Inner Harbor
(This project is included under MES Open Ended Consulting EPATS), Task #45

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
01/01/04-06/30/05

Budget Line #	PIN #	Contract #	Task #, Name:
1215	5400010	500912	#45, Character. Of Sediments, New Work Projects- Inner Harbor

Project Budget (Total):

$353,166

Revisions: **Revision #:**

% Complete-Work (Total):

85.00%

% Expended (Total):

51.58%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
85.00%	15.00%	48.29%	51.71%

Project Goal(s):
Characterize the harbor sediments in the Dundalk Marine Terminal (DMT), Seagirt, and Masonville Terminal New Work Areas. This characterization will identify the physical, chemical and cap related test properties to identify the quality of the sediments. These results from this characterization will be evaluated to determine appropriate placement options.

Project Objectives:
1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Characterization of Sediments, New Work Projects – Inner Harbor**

Task #, Name: **#45, Character. of Sediments, New Work Projects- Inner Harbor**

3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.

Project Status- Issues/Solutions (both required):

- During the month of September MES and EA performed the initial set of volume calculations to determine dredged materials quantities for capping HMI. A cross section of the Seagirt Area was also prepared to delineate the subsurface. This information was prepared to identify the locations where additional information is required on potential sand borrow areas and to delineate the quality of the sediments within the study area. A written response to OAS technical memo was distributed on September 27, 2004.

- During the month of October MES prepared a scope of work for additional work to further investigate and delineate the Seagirt Area. These additional tasks identified within this scope will support in the planning of the capping at HMI and identify the quantity and quality of the sediments in the study area. EA is in the process of preparing the proposal in response to the scope of work.

- On October 25th, MES staff attended the HMI North Cell Closure meeting at MPA. At this meeting MES updated the group on the status of the volume calculation performed at the Seagirt area and appraised the group on future investigations and delineations.

- During the month of November MES and EA provided information requested by GBA regarding HMI North Cell closure. The SOW for the additional work was submitted to MPA and approved on November 24, 2004. The contract for this work is being prepared internally and is expected to be awarded in December.

- Note that on November invoice there is a credit in the amount of $26.34. This credit is a result of aggressive MES overhead reduction efforts in FY 2004. If there are additional questions, please contact the Project Manager.

Project Status Report Form
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- During the month of December MES prepared for the January fieldwork at Seagirt Marine Terminal. This fieldwork will include 13 Geotechnical borings that will be collected and analyzed in order to interpret the physical and chemical composition of the sediments within the new work areas.

- The last invoice received on this project was on 12/31/04.

Issues:

- No Issues.

Signature/Date: 01/28/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Cox Creek Permit Assistance**
Task #, Name: **#52 – Cox Creek Permit Assistance**

Project Name:
Cox Creek Permit Assistance
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
10/21/04 - 06/30/05

Budget Line #	PIN #	Contract #
1215	5400010	500912

Task #, Name:
#52, Cox Creek Permit Assistance

Project Budget (Total):

$58,077

Revisions: **Revision #:**

% Complete-Work (Total):

1%

% Expended (Total):

1.69%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
1%	99%	1.69%	98.31%

Project Goal(s):
Provide assistance with permit provisions addressed within the Cox Creek Discharge Permit, particularly Special Condition S – Groundwater study.

Project Objectives:
1. Develop a plan to verify that offsite groundwater conditions will not be impacted by the operations of a dredged material containment facility.
2. Develop a groundwater study plan;
3. Develop a groundwater water report;
   Based on the findings of the groundwater study plan, the groundwater report, and MDE feedback, perform groundwater monitoring and reporting

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek Permit Assistance
Task #, Name: #52 – Cox Creek Permit Assistance
Project Status – Issues/Solutions (both required):
Issues

- The Cox Creek permit assistance task began with the attendance of the public hearing held on November 9, 2004. MES staff provided preparatory assistance and technical assistance for this public hearing. The public hearing was successful and the final permit is expected from MDE in December 2004. The development of the groundwater study plan shall commence upon arrival of the final State discharge permit.
- During the month of December MES staff began reviewing background information and drafting the Groundwater Study plan.
- No outstanding issues.

Signature/Date: 01/28/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Name:	**MPA Project Manager:**
IGA– Mid Bay Island Study (James Island) Env. Field Studies & Sons. Env. Rep., Task #3	Nathaniel K. Brown
Assignee (s) Consultants/Contractors):	**Contract Period Relevant to this EPATS Task:**
Maryland Environmental Service	11/01/02-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1175	52280020	504804	#3, Env. Field Studies & Cons. Env. Rep. (James Island)

Project Budget (Total):	**Revisions:** **Revision #:**
$335,931	
% Complete-Work (Total):	**% Expended (Total):**
90%	79.94%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
82%	18%	51.09%	48.91%

Project Goal(s):

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

Project Objectives:

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)
Project Status – Issues/Solutions (both required):

Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)
Subtasks 3.1 – 3.8 (James Island):
Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- MES received updates from Harms on the progress of the reports.
- In early December, MES submitted a copy of the Final Supplemental report to the pound net owners that requested a copy of the pound net results.
- MES received a November status report from Harms on December 7th.
- MES received comments from the Corps on the Draft James Consolidated report on December 9th.
- MES submitted the November status report to MPA on December 12th.
- On December 13th, MES submitted comments to Harms on the Draft James Consolidated report.

Future Work Anticipated in January:

- MES will submit the December status report to MPA in Mid-January.
- MES will receive the Draft Final James Consolidated report and review.
- MES will distribute copies of the Draft Final James Consolidated to MPA/Corps and to members of the PDT as requested.

Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Harms communicated via email and phone with MES regarding study progress and updates.
- Harms submitted a monthly status report to MES on December 7th.
- On December 13th, Harms received comments to the Draft Consolidated report.

Future Work Anticipated in January:

- Harms will receive comments to the Draft Final James Consolidated report.
- Harms will submit final copies of the Draft Final James Consolidated report.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report.

Future Work Anticipated in January:

- Task is completed. No further activity to report.

Signature/Date: 01/28/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: **IGA – Mid Bay Island Study**
Task #, Name: **#3, (0313) Barren Island Environmental**

Project Name:	**MPA Project Manager:**
IGA – Mid Bay Island Study (Barren Island Environmental) Task #3 (0313)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period Relevant to this EPATS Task:**
Maryland Environmental Service	**4/18/03-12/31/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1175	52280020	504804	#3 (0313), Barren Island Environmental

Project Budget (Total):	Revisions:	Revision #:
$433,482	$94,486	1

% Complete-Work (Total):	% Expended (Total):
96%	92.72%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
92%	8%	53.57%	46.43%

Project Goal(s):

- To conduct the feasibility level study of restoration of Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Objectives:

- To determine the feasibility of placing dredged material to restore Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental
Project Status – Issues/Solutions (both required):
Subtasks 3.9 – 3.16 (Barren Island):

Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)

- MES continued to coordinate on all aspects of this study with BBL.
- In early December, MES submitted a copy of the Final Supplemental report to the pound net owners that requested a copy of the pound net results.
- MES continued to respond to requests from the team for a copy of the Draft Final Barren Consolidated report for review/comment.
- On December 1st, MES submitted copies of the Draft Final Consolidated report to MPA/Corps for review/comment.
- MES received a November status report from BBL on December 6th.
- MES submitted the November status report to MPA on December 12th.
- On December 20th, MES received comments from the Corps on the Draft Final Consolidated report.
- MES submitted comments to BBL on the Draft Final Consolidated report on December 30th.

Future Work Anticipated in January/February:

- MES will receive copies of the Final Barren Consolidated report and distribute to the MPA/Corps.

Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)

- BBL communicated via email and phone with MES regarding study progress and updates.
- BBL submitted a November status report on December 6th.
- On December 30th, BBL received comments from MES on the Draft Final Consolidated report.

Future Work Anticipated in January/February:

- BBL will submit a Final Consolidated report to MES

Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)

- Task is completed. No further activity to report.

Future Work Anticipated in January:

- Task is completed. No further activity to report.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **IGA – Mid Bay Island Study**
Task #, Name: **#3, (0313) Barren Island Environmental**

Signature/Date: 01/28/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Integrated Feasibility and EIS Documentation
This project is included under IGA –Mid Bay Island Study (MES)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
07/01/04 – 12/31/04

Budget Line #	PIN #	Contract #
1175	52290020	504804

Task #, Name:

#8, Integrated Feasibility and EIS Documentation

Project Budget (Total):
$436,517

Revisions: **Revision #:**

% Complete-Work (Total):
25%

% Expended (Total):

9.94%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
17%	83%	14.46%	85.54%

Project Goal(s):
This study will focus on restoring hundreds of acres of aquatic and terrestrial habitat for fish, shellfish, reptiles, amphibians, birds and mammals and will include concepts consisting of wetland and upland components.

Project Objectives:

- Project documentation will be in the form of an Integrated Feasibility and Environmental Impact Statement (EIS).
- MES will provide technical coordination and integration services for regulatory compliance relative to the provisions of the federal water pollution control act (FWPCA) and National Environmental Policy Act (NEPA).
- Contract management services and planning and coordination services will be provided.
- Presentation development services will be provided.
- Writing, assembly and production of draft and final environmental documentation for the Mid Bay Islands Integrated Feasibility and Environmental Impact Statement will be provided.

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Integrated Feasibility and EIS Documentation
This project is included under IGA –Mid Bay Island Study (MES)

MPA Project Manager:
Nathaniel K. Brown

Project Status – Issues/Solutions (both required):

- MES continued to coordinate with Corps and EA on Table of Contents for MidBay EIS and Poplar SEIS, impacts language, list of preparers and standard formatting, etc.
- MES drafted the impacts section of the EIS and prepared a list of issues that came up during the drafting for MPA/Corps to consider.
- MES continued to coordinate with the Corps on obtaining copies of coordination letters and any responses.
- On December 28th, MES received comments from MPA on sections 1 & 3 of the EIS that the Corps revised. MES forwarded these to MPA.

Future Work Anticipated in January/February:

- On January 7th, MES submitted the draft impacts and list of issues to MPA/Corps. This same day, MES submitted a revised TOC and schedule to meet the February deadline to MPA/Corps for their review/approval. On January 12th, MES received an ok from the Corps on the revised schedule.
- MES will continue to coordinate with MPA/Corps on the schedule for the EIS and other EIS issues that may arise.

Signature/Date: Nathaniel K. Brown 01/25/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: SAV Study at Poplar (AA Comm. College)
Task #, Name: SAV Study at Poplar (AA Comm. College)

Project Name:	**MPA Project Manager:**
SAV Study at Poplar Island (AA Comm. College)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Anne Arundel Community College	**04/01/02-07/31/06**

Budget Line #	PIN #	Contract #	Task #, Name:
1160	52260020	502822	SAV Study at Poplar (AA Comm. College)

Project Budget (Total):		**Revisions:**	**Revision #:**
$149,761			
% Complete-Work (Total):		**% Expended (Total):**	
90%		**88.77%**	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
98%	2%	100.00%	0%

Project Goal(s):

- To create, through plantings of submerged aquatic vegetation, underwater wetlands for the Poplar Island Environmental Restoration project.

Project Objectives:

- Activities for this study would take place over a four-year time line.
- SAVs would be planted in Poplar Harbor and monitored over the four-year period for growth and survivorship;
- A resource and planting methodology for the state will be established;
- A photographic record will be established.
- A record of plants supplied for other environmental projects, with acknowledgements to MDOT/MPA will be maintained for five years.
- Yearly progress reports will be submitted to MDOT/MPA on this study.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **SAV Study at Poplar (AA Comm. College)**
Task #, Name: **SAV Study at Poplar (AA Comm. College)**

Project Status – Issues/Solutions (both required):

- It is challenging to get Dr. Ailstock to submit monthly project status reports. I have once again reminded him to send-in his reports.
- The most recent invoice received from Dr. Ailstock on this project was received November 29, 2004.
- There have been no reported changes since last month's status report.

Signature/Date: Nathan K. Poe 01/28/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 21st Year Monitoring Contract
Task #, Name: HMI 21st Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 21st Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/02-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
845	50030020	293644	21st Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:**	**Revision #:**
$306,446		

% Complete-Work (Total):	**% Expended (Total):**
98%	**86.95%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
98%	2%	0.00%	100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 21st Year Monitoring Contract**
Task #, Name: **HMI 21st Year Monitoring Contract**

Project Status – Issues/Solutions (both required):

- A no-cost extension for this project was approved to allow expenditure of funds through FY05.
- All funds will be expended by that time and all final deliverables will be submitted.
- The last invoice that was received on this project was processed by 07/09/04.

Signature/Date: 01/28/05
(MPA Project Manager)

Date: as of 12/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF Task #, Name:_____

Project Name: COX CREEK DMCF **Project Manager: David Bibo**

Assignee(s) (Consultants/Contractors): MES **Contract Period: 07/01/04 – 06/30/05**

Budget Line 1015 **PIN #: 53050040** **Contract #: 504907** **Task #, Name:**

Project Budget (Total): $2,795,401 **Revisions:** **Revision #:**

% Complete (Total): 50% **% Expended (Total): 53.49%**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
50%	50%	15.63%	84.37% (favorable)

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To prepare the site for the first placement cycle.

Project Objectives:

- **Dike raising of both cells.**
- **Site preparation for initial inflow, to include; access channel dredging, spillway construction, and unloading pier construction.**
- **Environmental Monitoring, submitting and receiving the discharge permit.**
- **Dewatering in preparation of future construction, within discharge criteria.**
- **Monitoring and maintenance of the Swan Creek mitigation site.**

Project Status - Issues/Solutions (both required) The current focus of the operation is dewatering the cells, recovering and hauling material for construction of benches for dike raising. This has included trenching, liming of the water, creation of sumps, clearing and grubbing the site and pushing up material, allowing it to dewater and hauling it to the desired location.

Date: as of 12/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF Task #, Name:_____

Commercial power for the site: Preparations for the transformers in the trailer area and the guardhouse area have been completed. The inspection has also been completed. BGE has run the lines and set the transformers, and commercial power is now available at the facility.

Operations Trailer: MES has occupied the new office trailer; electrical power has been connected and the temporary generator removed. The telephone system has been installed, email has been switched to DSL and the computer network and server has been installed. Security bars and window guards have been installed. The tile floors have been scrubbed, sealed and waxed for durability.

Maintenance Shop: The shop has been power washed and painted, a new garage door has been installed and the ceiling lights have been removed in preparation for new electrical service. The interior electrical system has been designed, and a pre-bid meeting was held at the site. Bids are due in the next few weeks and the electrical connection should be completed by the end of February 2005.

Storm water drain system: MES has done some initial investigations and outside contractors have worked on unclogging and repairing the storm drain structure. Both pumps and vacuum trucks were used in attempts to remove any blockages. In addition, the concrete plug at the end of the storm drain was removed to allow the system to flow naturally. Additional blockages upstream will be work on in the near future, and further repairs may be required at a later date.

Construction Status:
Dike: Further dike raising will be completed by MES, utilizing a combination of MES employees and contractors. The MES engineering division and geotechnical subcontractors will oversee the construction. MES subcontractor, VSA has mobilized equipment and along with MES equipment operators are currently constructing benches for dike raising. In addition, stockpiling material and clearing and grubbing areas of the north cell as future borrow areas, continues.
Spillway: Construction began in July and the completion date is now the end of February 2005. Cianbro continues spillway construction, and has completed the dike penetrations; the steel structure have been delivered to the site and have been erected. Pile construction has been completed and bunks are being installed in preparation for the pipe. Work on installing the gate valves and placing the discharge pipes between the pilings will begin in the next few weeks.
March 1, 2005 is revised completion date.

Signature/Date _____
Project Manager

******INTERNAL USE ONLY*******

Cox Creek DMCF
Task Update
December 2004

****All tasks included in this update (except where noted) are funded from the approved FY 05 Cox Creek Operations and Monitoring Budget. Costs associated with specific Cox Creek monitoring tasks are not tracked separately, unless requested.****

Environmental Monitoring Tasks for Reporting Period:

Update: Monitoring activities at Cox Creek during the reporting period were based on correspondence and coordination with the Maryland Department of the Environment (MDE) that led to the development of an approved storm water monitoring plan (July 2003). Under this plan, stormwater that collects at the facility is tested and discharged to the Patapsco.

With high copper and zinc concentrations occurring throughout the month, MES has been collecting additional daily grab samples and coordinating a 24-hour laboratory turn around time for results to assist in making operational decisions. MES also continues to prepare and submit a monthly report to MDE documenting the metal and ammonia concentrations in the storm water being discharged from Cox Creek.

- Collection of 8-hour composite sample during stormwater discharge
- pH monitoring in the South Cell Sump 1 Pond every two hours
- Maintained and calibrated lab and field equipment daily
- Monitored the pH of the ponds in the South Cell daily
- Monitored the transfer of water from the North Cell to the South Cell
- Transported daily and weekly samples to laboratory and compared the results with MDE guidelines to maintain discharge
- Ambient samples of the receiving water were taken to determine the acute ammonia toxicity criteria (performed on 12/15/04, 12/22/04 and 12/30/04)
- Hach kit tests were performed to test ammonia concentrations in the Sump pond and in the ambient samples
- Determined when and added lime to the South Cell ponds based on pH levels and metal concentrations
- Compiled data into weekly and monthly reports for storm-water management and wetland monitoring
- Continued implementing the monitoring plan for the Swan Creek mitigation area
- Maintained analytical databases
- Ordered supplies for environmental monitoring
- Drafted Annual Swan Creek Mitigation and Monitoring Report and transmitted report to MDE
- Prepared to conduct tests on the trailer drinking water

Future: MES will continue the water quality monitoring and prepare the December 2004 monthly report. The Swan Creek Mitigation Area plan will be implemented and monthly reports on the mitigation site will be submitted under separate cover.

Meetings, Tours & Events:

- 12/07/04 @ 08:30 a.m. - Cox Creek Construction Meeting - On-site.
- 12/07/04 @ 09:30 a.m. - Spillway Progress Meeting w/ Cianbro - On-site.
- 12/20/04 @ 09:30 a.m. – MES Monitoring Group Bi-weekly Staff Meeting & Tour - On-Site.
- 12/21/04 @ 08:30 a.m. - Cox Creek Construction Meeting - On-site.
- 12/21/04 @ 09:30 a.m. - Spillway Progress Meeting w/ Cianbro - On-site.

Cox Creek Discharge Permit:

Update: The Cox Creek Discharge Permit began effective on December 1, 2004. The permit was reviewed and an internal meeting was scheduled to review the permit and sampling requirements for when the spillways are completed. A letter listing the analytical laboratory that MES will use for sample analysis was sent to MDE in December, as required by the permit. A groundwater monitoring sampling plan is currently being drafted and will be sent to MPA for review in January.

MES Tasks During the Reporting Period:

- Reviewed new discharge permit
- Scheduled internal meeting
- Drafted and distributed analytical laboratory letter to MDE
- Started drafting groundwater monitoring sampling plan

Future Tasks:

An internal meeting is scheduled for early January to review the new permit. The bio-monitoring sampling plan is due to MDE by March 1, 2005. In May 2005, a status report outlining the scheduled compliance with the ammonia, copper and zinc limits is due to MDE. Twelve months after inflow begins, MES will assist MPA with the nutrient offset plan, up on request. The groundwater study plan will be finalized and the baseline samples will be collected before inflow begins.

Operations Tasks for Reporting Period:

Update: The MES operations group is currently conducting tasks which can be split into the following categories: general operations, equipment maintenance and repair tasks, and site management and other, in an effort to prepare the Cox Creek site for future inflow operations.

Construction Activities:

- MES further stripped *Phragmites* & root mats to expose useable material in the S. Cell.
- MES continued to push up and reclaim good quality material from the South Cell.

- MES hauled material from South Cell stockpile to placement area for dike construction. Currently working in area of station 81+00 – 72+00.
- MES continued repairing the haul road with sand from the N. Cell (as needed).
- MES created trenching in S. Cell to drain water away from construction activities.
- VSA continued raising the stability berm between stations 47+00 – 61+00, when possible.
- VSA further stripped *Phragmites* & root mats to expose useable material in the N. Cell.
- VSA created trenches in N. Cell to drain water away from construction activities.
- VSA assisted MES in hauling material from S. Cell stockpile to the placement areas.
- VSA began disking & drying usable material in the N. Cell for stockpiling at a later date.
- Cianbro continued work on construction of Spillway #001 & Spillway #002. (target date for completion of both spillways end of February 2005).

Equipment Maintenance and Repair Tasks:

- Daily operational maintenance performed on all heavy equipment.
- Daily servicing of 6" pumps.
- HMI Mechanics fixed anti-freeze leaks and tightened fan belts on D6 Dozer (completed 12/03/04).
- Recall work completed on tailgate for 2003 Chevrolet 2500 truck (completed 12/03/04).
- Installed new battery compartment door for CAT Long Reach Track Excavator (completed 12/03/04).
- HMI Mechanics installed fuel tank, dispenser, and toolbox on Ford F-150 truck (completed 12/09/04).
- Atlantic Tractor Company repaired John Deere tractor hydraulic coupling (completed 12/14/04).
- HMI Mechanics repaired Fuel Truck grease gun & hose (completed 12/15/04).
- Alban Rents re-checked throttle & battery problem on rental D6R dozer (completed 12/21/04).
- HMI Mechanics completed installation of replacement shafts on Pontoon Excavator (completed 12/28/04).

Site Management and Other:

- New Trailer task list and target dates:
  - ✓ MES continued compiling photographs of Cox Creek for the MPA to select for framing and hanging in the new trailer. Two aerial photographs of the site were hung in the trailer, and a nautical chart depicting the inner harbor and approach channels was sent to the frame shop. In addition, several Cox Creek wildlife photographs will be forwarded to the MPA for selection.
  - ✓ BGE installed electrical service to the trailer new Operations Trailer (completed 12/06/04).

- ✓ Allied Trailers closed gaps in the skirting material around the bottom of the new trailer, and installed weather stripping on both doors (completed 12/07/04). Rain gutters still need to be installed (target date 01/14/05).
- ✓ Birds Nest Cleaners scrubbed, sealed, and waxed the Operations Trailer floors (completed 12/16/04 & 12/19/04).

- Continued tracking assets and assigning appropriate I.D. tags (on-going process).
- Wilson Point Steel began fabricating metal grates for the shop drainage area.
- Continued obtaining bids for fixing the leaks in the Maintenance Shop roof. Top Roofers, Inc. has provided an estimate of approximately $13,000.00 to complete this task. Additional quotes are still needed at this time.
- Continued removing debris off wetland area beach (12/02/04, 12/07/04, & 12/20/04). This is an on-going task and will be performed on a regular basis with the help of temporary laborers.
- Installed additional signs stating "Caution Underground Utilities (completed 12/29/04).
- The wetland road drainage area was repaired using Gabion Stone (completed 12/08/04).
- The G-S Company secured both doors with bars and created decorative window guards for $2,485.00. The door bars were installed on 12/02/04. Installation of the window guards was completed 12/15/04.
- Fire Safety Co., Inc. outfitted all trailers, buildings, vehicles and equipment with proper fire extinguishers per applicable codes (completed 12/31/04).
- Confirmed list of equipment and supplies needed for maintenance shop with HMI mechanic (completed 12/30/04). At the MPA's request, all equipment is to be purchased and stored in the shop within this fiscal year.

Construction Activities for the Reporting Period:

Update: MES is conducting construction inspection, subcontractor management, and working on future construction procurements. In an effort to make this update as comprehensive as possible, also included are the tasks completed by various subcontractors during the reporting period.

The following construction activities were completed in December, 2004:

- Cianbro continued to submit and MNE and MES continued reviewing and approving submittals for the gate valve stem and the assembly unit for the gate valves and responding to RFIs.
- Cianbro and the diving company continued setting the pipe support systems; completed the three pile bents at Spillway 2 and began the three pile bents at Spillway 1.
- Cianbro discovered problem with the length of the two pile bent pipe supports and ordered the correct size lumber
- Cianbro began installing gate valves and related piping at Spillway 2
- Cianbro began installing the weir boards in the spillways

- VSA and MES completed placing material from station 47+50 to station +60 for the surcharge area. The surcharge has to go to elevation +16. Silt fencing was installed along the toe of the surcharge area
- The replacement of the blocked storm drain system at the last manhole was completed. Blockages still exist in the upstream manholes
- Bids were requested for the installation of electricity, including lighting and other items in the garage building.
- Critical Areas Commission approved the unloading pier construction project.

The following activities were in progress during December, 2004:

- Moffatt and Nichol continued to revise the MNE continued to revise the Erosion and Sediment Control Plan and to respond to comments from MDE. MDE approved the permit.

Project Status Report Form
Prepared by MES for
Harbor Development

Project Name:

Poplar Island Environmental Restoration Project (This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager: Dave Bibo

MES Project Manager: Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract Period:

01/01/04 – 01/31/04

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1215	54000010	500912	#46, PIERP Adaptive Mgmt. Plan (AMP)

Project Budget (Total):

(Contract Amount) $292,019

Revisions:

Revision #:

% Complete (Total):

60%

% Expended (Total):52.65%

% Complete (Crnt. FY):	**% Var./Balance (Crnt. FY):**	**% Expended (Crnt. FY):**	**% Var./Balance:**
50%	**50%**	**35.55%**	**65.45%**

Project Goal(s):
- **Continuation of services on the Poplar Island Adaptive Management Plan (AMP) and Project Management Plan (PMP).**
- **Development of the updated Poplar Island Habitat Development Framework (HDF).**

Project Objectives:
- **Provide revised drafts of the HDF.**
- **Provide technical support and contractor oversight for the continued development of the AMP and PMP.**
- **Provide support at the AMP team meetings and HDF development meetings (Habitat Sub-group Meetings).**

Project Name: Poplar Island Environmental Restoration Project
Task #, Name: #46, Adaptive Management Plan (AMP)

Project Status Report Form
Prepared by MES for
Harbor Development

Project Status – Issues/Solutions (both required):

- **Issues**
  - Task management database is not working as well as planned, mainly due to unresponsiveness to preparing task worksheets, but also because of general inaccessibility since EA handles the database and it can only be accessed through specific requests to EA.
  - EA has indicated that they may have difficulty achieving their contract MBE goal because their MBE contractor has determined that the task management database does not require as much input as originally planned.
- **Solutions**
  - EA has recommended using a web-based system for the Poplar Island adaptive management information. The website could be accessed by the entire project team and would make it easier for the project team to look at existing tasks. The website could also potentially allow MES to upload monitoring data in order for MDE to query specific data (this is a request MDE has made in the past, but since MES does not keep data in an Access database, the information can not be easily queried for specific requests). MPA has given MES approval (December 16, 2004) to request that EA prepare a task amendment to include development of the adaptive management website. MES has requested that EA submit a task amendment.
  - MES has enlisted the assistance of 2 Poplar staff members (Albanese and Delashmutt) to work on getting the operations and environmental tasks up to date. To date, all the operations tasks currently listed in the database are up to date. The environmental tasks currently listed in the database are approximately 50% complete. MES is continuing to add current and new tasks to the database.
  - MES has formed a team to manage the adaptive management tasks at Poplar. Melissa Slatnick will continue to manage the EA contract and the environmental tasks, while Darren Fisher will manage the construction and operation tasks.
  - If directed by MPA, MES will work with the Corp to initiate development of 2005 task forms.
  - EA has identified an additional MBE Contractor and within-scope work for that Contractor to potentially perform on the task database (website design support).
- **MES Activities:**
  - Contractor oversight and management.
  - Drafted November progress report; reviewed and approved subcontractor and client invoices.
- **EA Engineering, Inc. Activities:**
  - Began developing scope of work for web design task.
- **Future Activities:**
  - MES will review the amended scope of work submitted by EA.
  - MES will attend an adaptive management meeting on January 25th.
  - MES will begin drafting the April/May 2005 Version of the HDF.

Total Contract Amount: $292,019
Total 12/31/04 Invoice: $2,389.60
Total Amount Invoiced as of 12/31/04: $154,984

Signature/Date_____
Project Manager

Date: as of 12/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF Task #, Name:_____

Project Name: Hart-Miller Island DMCF **Project Manager: David Bibo**

Assignee(s) (Consultants/Contractors): MES **Contract Period: 07/01/04 – 06/30/05**

Budget Line #810 **PIN #:600102-C** **Contract #: 384002A** **Task #, Name:**

Project Budget (Total): $3,900,000 **Revisions:** **Revision #:**

% Complete (Total): 50% **% Expended (Total): 32%**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
___20%	___80%	8.83%	91.17% (favorable)

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.

Project Objectives:

- **Construction of the S. Cell Restoration Project**
- **HMI Well Monitoring Study, ensuring no migration of material is taking place.**
- **Environmental Monitoring, meeting the discharge criteria.**
- **Gahagan & Bryant Associates (GBA), MES and the MPA are developing closure plans for the north cell. Action is ongoing.**

Project Status - Issues/Solutions (both required): The current focus of the facility is dewatering and material recovery for the temporary berm construction which is on going and approximately 13% complete. Southern Maryland Dredging has not completely demobilized as they still have some pipe on the island. Site personnel are repairing roadways and ramps due to rains. Great Lakes arrival at HMI is expected

Date: as of 12/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF Task #, Name:_____

sometime in March 2005 with a completion date of about late April 2005.

Signature/Date: David Belo 012405
(Project Manager)

Date: as of 12/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development Task #, Name:_____

Project Name: Poplar Island Site Development

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/04-06/30/05

Budget Line # 910 **PIN #: 51030040** **Contract #: 502813** **Task #, Name:**

Project Budget (Total): $4,782,918 **Revisions:** **Revision #:**

% Complete (Total): 50%

% Expended - $(Total): 52.14%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
50%	50%	24.73%	76.37% (favorable)

Project Goal(s): Operation of the project efficiently, safely, and in compliance with the regulatory requirements. To manage the material placement to place the maximum amount of material while meeting the objectives of the project.

Project Objectives:

- **Environmental Monitoring, meeting the discharge criteria.**
- **Prepare and maintain the infrastructure for long term sustained operations.**
- **Conduct operations in compliance with environmental concerns.**
- **Recover sand for future operations.**
- **Develop the wetlands into a viable habitat.**
- **Conduct tours and site visits to tell the Poplar Island success story.**

Project Status - Issues/Solutions (both required): The current focus of the facility is

Date: as of 12/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development Task #, Name:_____

the construction of Cell 3D into a viable wetland using dredge material, preparing for the 04/05 federal season, and erosion repair along roads and dikes as needed. The facility is currently in a 24 hour a day 7 days a week operation.

Crust Management: There was no crust management activity during the month of December.

Inflow: Several low areas were identified on the exterior dikes of cells 1 & 3. All of these low areas have been raised to 8.0′ (minimum). Sand has been placed if front of all spillways to facilitate future sump excavation. Ramps have been constructed to minimize the effect the inflow pipe will have on island traffic flows. Great Lakes began inflow on December 6, 2004 and as of December 31 have place 657,041 cubic yards of dredged material. Exterior spillways 1, 5, and 6 are currently in use.
Cell 3D: All channel excavations were completed by 12/23. All low areas defined by ACOE and the final grading to the +1.5′ elevation was completed on12/22. As of December 31st - 28,110 cubic yards of material has been hauled into cell 3D from cells 5 and 2. Dredge material is being placed on the interior dikes in Cell 3D to help slow erosion. GBA will complete an as-built survey in early January.
The outlet structure continues, with the completion of the coffer dam on 11/29/04, the dike was removed and pipe installation began. On December 22nd, the contractor, Consolidated Construction, discovered that the six pipes were installed at the wrong elevation and the pipes had to be removed and the area had to be brought up to grade. As of December 29th, two pipes have been reinstalled. The estimated completion date is now 2/1/05.

Land base: MES has completed all preparations and permitting for the land base parking lot improvements. The property owner has hired a local contractor to grade the parking lot. This contractor has made no progress during the month of December.

Other Activities: MES has maintained the water elevation in cell 5. Test Excavations for possible sand recovery are being preformed in Cell 5 in accordance to the borings conducted for Phase II sand availability. Inspection staff continues inflow discharge activities. Environmental staff assisted the operations staff with maintaining spillways and water control structures during inflow and performed all required sampling of discharged effluent. Dike and road maintenance conducted thought the Island. A total of 3 tours were conducted on Poplar Island during the month of December.

Signature/Date: Dan Bebo 01 2505
(Project Manager)

Date: 12/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island South Cell Task #, Name:_____

Project Name: Hart-Miller Island S. Cell Restoration

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 2002-present

Budget Line # 875 **PIN #: 600102-L**

Contract #: 500607 **Task #, Name:**

Project Budget (Total): 1,080,000.00

Revisions: **Revision #:**

% Complete – Work (Total): 83%

% Expended - $ (Total): 75.63%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
20%	80%	18%	72% (favorable)

Project Goal(s): Restore the Hart-Miller Island South Cell creating a habitat for migratory birds, consisting of mud flats, nesting island, and uplands.

Project Objectives:
- **Provide habitat for migratory birds.**
- **Allow citizens to observe the birds from viewing areas**

Project Status - Issues/Solutions (both required):

South Cell: Geo Con has completed almost all tasks, they have demobilized including their pickup truck. The USACE is preparing a punch list for items that need to be corrected, prior to closing the contract. Some of the ground cover did not initially prevent erosion and some washouts have occurred in the area of the footpath. It appears that the ground cover has now taken hold but some repairs will still be needed. It has not been decided whether this erosion will be warranty work or not, if it is not warranty MES will perform the repairs There is still an issue with the pole lights outside of the control building as to their pole size which were damaged due to high winds. MES will make the repairs on the spillway, the specifications are being prepared and the contract will be advertised soon.

Signature/Date: David Bibo 01 25 05
(Project Manager)

*** For Internal Use Only ***

POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT

Environmental Monitoring Task Update

December 2004

All tasks included in this update (except where noted) are funded from the approved FY 05 Poplar Island Environmental Restoration Project Operations and Monitoring Budget. Costs associated with specific Poplar monitoring tasks are not tracked separately, unless requested.

This update does not include MES activities associated with regular operations and crust management environmental monitoring. That information is reported in a separate monthly report to MPA.

Algae sampling

Future: Algae monitoring will begin again in April 2005. MES will contract with the DNR lab for analysis of the 2005 samples

Post Isabel Monitoring

Update: MES managed additional sediment monitoring in Poplar Harbor by EA and analysis of the samples by MGS. The final MGS report was received on November 30th. The final report was reviewed to ensure all comments were addressed.

MES Tasks for Reporting Period:

- Reviewed MGS Final Report to ensure all comments were addressed.

Future: The final report will be forwarded to MPA and CENAB via the 2003 Annual Report.

Volatile Solids Study

Update: This study was conducted during the month of August 2003 in an effort to determine the percentage of solids in the PIERP discharge that has a biological origin. MES received the final data in November and has begun to interpret the data and prepare a report. MES has also been in consultation with MDE to aid in the data interpretation. MES met with MDE on May 20th and received further guidance to finalize the report.

MES Tasks for Reporting Period:

- Continued to review data and finalize data interpretation based on MDE's guidance.

Future: MES will finalize the data spreadsheets, draft the volatile solids study report and send the report to MPA and CENAB for their review. MES will follow up on the guidance received by MDE when drafting the report.

Habitat Development Framework/ Adaptive Management Plan (EPATS Task 46)

Update - Habitat Development Framework (HDF): The April version of the HDF has been finalized with the incorporation of the comments from the HSG members. The HDF was handed out at the WG meeting on May 25th. This document will be updated again in early 2005 as reports and recommendations are received from the 2003 framework monitoring studies. MES will begin planning for a February 2005 Habitat Subgroup meeting.

Update - Adaptive Management Plan (AMP): MES continues to manage the AMP. Under the EPATS Agreement, progress on this task is reported in a separate progress report.

Future: MES will continue to provide input to the AMP and begin working on the 2005 version of the HDF.

Cell 4DX Monitoring (EPATS Task 40)

Update: Under the EPATS Agreement, tasks completed by UMCES for Cell 4DX are reported in a separate progress report. Sampling under the 2004 Cell 4DX Monitoring Plan continued until the end of October. MES has started drafting the 2004 Cell 4DX Report.

MES Tasks for Reporting Period:

- Started drafting 2004 Cell 4DX Report

Future: By early 2005, MES will finalize the 2004 Cell 4DX report that will address whether this cell should be monitored in 2005.

Harbor Sedimentation Survey

Update: This project is directly managed through the MPA and their subcontractor (Moffatt and Nichol). MES provided project management and technical review services as requested by MPA. ME S reviewed the draft report in April 2004 and submitted comments.

Future: MES will provide a QA/QC review of the final report, if requested by MPA.

Working Group Coordination

Update: MES has been providing all of the planning, coordination, handouts and meeting summaries, for the bi-annual working group and sub-group meetings. MES has also been drafting the monthly WG updates, as requested by CENAB and MPA. A Working Group meeting was held on November 5, 2004 and covered both habitat and overall working group issues since the May 2004 meeting.

MES Tasks for Reporting Period:

- Development of the November WG update.
- Distribution of the October & November WG updates.
- Completed drafting WG meeting summary.
- Distributed WG meeting summary.

Future: MES will continue to provide monthly WG updates (for distribution by the Corps). MES will begin preparations for the February 2005 Habitat Sub-group meeting.

Poplar Exterior/Framework Monitoring

Update: MES has drafted a scope of work for the 2005 monitoring for sediment, water and benthic monitoring, and continues to manage the contractor performing 2005 faunal monitoring per the monitoring framework plan. MES drafted the 2003 Annual Monitoring Report and coordinated comments from the project team.

MES Tasks for Reporting Period:

- Contract management for exterior monitoring (contracts managed by MES).
- Reviewed 2003 reports and drafted summaries for inclusion in the 2003 Annual Report.

Future: MES will mail out the 2003 Annual Monitoring Report. Additionally, MES will continue to put the appropriate contracts in place for the 2005 monitoring tasks.

Other Tasks

- MES drafted a Cell 3D Monitoring Plan and meet with MDE on September 21 to review this plan. Based on comments received at that meeting, the plan was updated and submitted to the project team for review in October. The final draft of this monitoring plan was forwarded to MDE in December.

PROGRESS REPORT

Project: OPEN-WATER PLACEMENT SITE 92 **Period: December 2004**
MPA Contract No.: 599910
MPA PIN: 600106-H
CENAP Contract No.: DACW61-03-C-00031
MPA/CENAP Contract Amounts:

Year 3: $157,430.09
Year 4: $162,130.72
Year 5: $164,790.13
Year 6: $122,424.27
Year 7: $118,680.93

A. Site Management

1. MES recorded scow placement locations and quantity of material placed at Site 92 for the Year 7 placement action.

2. MES generated CAD figures of Year 7 scow placement locations at Site 92 and distributed the figures semiweekly to the Principal Investigator (PI) Team.

3. MES sent biweekly updates on Year 7 material placement activities at Site 92 to the PI Team.

4. MES prepared an agenda and participated in the Contractor/Team meeting at Chesapeake City on December 1st.

5. MES drafted the meeting summary from the December 1st Contractor/Team meeting and distributed it to the team for review.

6. MES incorporated comments and distributed the final meeting summary from the November 10th meeting on December 8th.

7. MES prepared an agenda and participated in the Contractor/Team conference call on December 22, 2004.

8. MES incorporated comments and distributed the final meeting summary from the December 1st meeting on December 22nd.

9. MES plotted a figure and distributed CENAP's 25% Survey to the monitoring team on December 3rd.

B. Consolidation and Resuspension

1. MGS completed a QA/QC of all Year 6 bathymetric and sediment data.

2. MGS performed volumetric analyses of bathymetric and sediment data to determine placement, consolidation, and erosion volumes completed.

3. MGS commenced writing of the draft Year 6 Placement, Consolidation, and Erosion Study Report.

4. MGS reviewed bathymetric data from CENAP and Weeks.

C. Benthic Community Evaluation

The benthic community evaluation will not be performed until approximately 18 months after the end of all placement activities at Site 92.

D. Technical Support

1. MDE attended a conference call in September 2004 with MES regarding contract and budget issues for Site 92.

2. MDE provided internal updates on post-placement conditions at Site 92 in anticipation of Year 7 work.

3. MDE coordinated internally on invoicing, budget, and contract issues to reconcile project balances and update spending forecasts.

4. MDE coordinated with MES to reconcile outstanding budget issues.

E. Technical Integration

1. MES coordinated studies and principal investigators to maximize efficiencies and exchange information during the study period.

2. MES communicated with principal investigators as necessary to review findings of the studies and to coordinate activities.

3. MES verified and tracked deliverables, cruises, and findings as necessary.

4. MES provided overall program QA/QC to ensure that project elements met stated technical objectives.

5. MES provided technical information and guidance as necessary for current Site 92 placement actions and certifications.

F. Project Management

1. MES coordinated with MGS for submittal of their project status report.

2. MES tracked and processed client invoices.

3. MES monitored progress on all work tasks and informed the clients on its status.

4. MES submitted a monthly status report for the month of November on December 15, 2004 to MPA and CENAP.

5. MES submitted a monthly financial report to MPA for the month of November on December 15, 2004.

6. MES provided contract balance and invoice payment information to CENAP to assist tracking of contract expenditures.

G. Turbidity Plume Monitoring

1. Turbidity plume monitoring is conducted only when placed materials exceed the authorized elevation of –14 MLLW and dragging is determined necessary. The elevation at Site 92 will be evaluated after all placement has ended for Year 7 and the Study Team will determine whether dragging is necessary and thus whether Turbidity Plume Monitoring is necessary.

Project Status Report Form
Prepared by
Harbor Development

Project Name:

Sediment Monitoring and Plant Survival, Cell 4DX, PIERP
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager: Dave Bibo

MES Project Manager: Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract Period:

07/01/03 – 01/31/06

Budget Line #	PIN #:	Contract #:	Task #, Name:
1215	**54000010**	**500912**	#40, Sediment Monitoring & Plant Survival, Cell 4DX, PIERP

Project Budget (Total):
(FY05) $339,058
(Contract Amount) $406,153

Revisions:

Revision #:

% Complete (Total):

80%

% Expended (Total):

47.7%

% Complete (Crnt. FY):	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY):	% Var./Balance:
70%	**30%**	**70.51%**	**29.49%**

Project Goal(s):

- **To monitor the dredged material test plots in Cell 4DX to gauge the suitability of dredged material as a planting substrate by studying the sediment biogeochemistry, pore water biogeochemistry, suitability of the dredged material as a planting substrate and the success of the plants in the dredged material test plots.**

Project Objectives:

- **To monitor the dredged material test plots to quantify the degree of success in meeting the goals of the project for establishing healthy marshes. To monitor the dissolved phase of the water in the dredged material substrate. To conduct analysis on the solid phase dredged material substrate. To determine how the pore water and sediments are affecting the plant growth and success in the dredged material test plots. To evaluate the suitability of the dredged substrates in supporting marsh vegetation and compile a planting list of the most adapted marsh species to the dredged material (contingent task).**

Project Status Report Form
Prepared by
Harbor Development

Project Name: Sediment Monitoring and Plant Survival, Cell 4DX, PIERP
Task #, Name: #40, Sediment Monitoring and Plant Survival, Cell 4DX, PIERP

Project Status – Issues/Solutions (both required):

- **Issues**
  - UMCES has committed to have draft annual report completed by mid-December.
  - UMCES has noted that the results that are being compiled into the draft report indicate that most of the information needed in Cell 4DX has been obtained.

- **Solutions**
  - Contractor's draft report was received December 1, 2004.
  - MES will discuss a potential no-cost task amendment with MPA to determine whether UMCES efforts should now be switched to Cell 3D, building on information gained through the study of 4DX. MES intends to review the UMCES draft 4DX report (when it is completed) to assess the level of effort required for Cell 3D monitoring. UMCES efforts in Cell 3D would not begin until Spring 2005.

- **MES Activities:**
  - Contractor oversight and management.
  - Subcontractor invoice review and processing.
  - November progress report for MPA.
  - Begin review of Draft 4DX Report.

- **MES Future Activities:**
  - Continued subcontractor oversight and management.
  - Review of UMCES 2003 / 2004 Monitoring Report (Preliminary Draft Received December 1. 2004, awaiting Final Draft).
  - Coordinate with MPA and UMCES to determine whether additional studies will be needed in 4DX or 3D for the 2004 / 2005 monitoring year. If needed, prepare a new scope of work and task amendment.

- **UMCES Activities:**
  - Continue to finalize the 2003 / 2004 Monitoring Report, including finalization of sediment chemistry.

- **UMCES Future Activities:**
  - Submit final 2003 / 2004 Monitoring Report.
  - Prepare recommendations for future monitoring in Cell 3D based on 2003 / 2004 results.

Project Status Report Form
Prepared by
Harbor Development

Total Contract Amount: $406,153
Total Amount of 12/31/04 Invoice: $73,202.31
Total Amount Invoiced as of 12/31/04: $194,009

Signature/Date David Bilo
Project Manager 01 24.05

Signature/Date:____
(Project Manager)

HART-MILLER ISLAND DMCF
Environmental Monitoring Task Update
December 2004

Groundwater Study

Update: All monitoring and analysis for the main component of the groundwater study (dike transmissivity and water quality) has been completed. Four quarterly reports have been finalized and the subcontractor (URS) submitted the draft-consolidated report on December 4, 2003. The final report was received as expected on July 14, 2004. MGS was scheduled to submit the draft report for their component of the study on June 3. MES is continuing to work with MGS to obtain the draft report. Most recently, MES contacted MGS in November for an update on the status of the report. MGS anticipated completion in December 2004.

MES Tasks for Reporting Period:

- None

Future: MES will continue to provide updates to the HMI Citizens Oversight Committee as requested. Additionally, MES will continue to coordinate with MDE and MPA to determine whether sampling at the "old wells" can be discontinued and replaced with use of the new wells from the groundwater study. MES will continue working with the MGS to obtain the final reports.

Plan of Action (POA) to Control Low pH (EPATS Task 38)

Update: Additional subtasks were added to this task. New subtasks include activities to implement the POA for the closure of the North Cell. Under the EPATS agreement, progress on this task is detailed in a separate progress report.

Future: MES will continue to manage the implementation of the POA for the closure of the North Cell.

Vegetation (*Phragmites*) Monitoring

Update: Due to *Phragmites* dormancy, spraying was completed for this season in mid-November.

MES Tasks for Reporting Period:

- None

Future: MES will begin planning for a spring seeding in the South Cell to help control *Phragmites*. Please see additional details in the following vegetation update.

Vegetation (*Phragmites*) Monitoring – North Cell / DNR Marshes

Update: Due to *Phragmites* dormancy, spraying was completed for this season in mid-November.

MES Tasks for Reporting Period:

- *Phragmites* control
- Equipment repair for *Phragmites* control equipment
- Ordered new tractor sprayer for next year's spraying season

Future: MES will continue to perform all necessary maintenance on the equipment and place it into storage. MES will also store the remaining herbicide and complete the appropriate reporting for herbicide usage. Prior to next year's *Phragmites* control season, MES will send suitable headquarters employees for herbicide application certification and training to provide an increased workforce for *Phragmites* management.

South Cell Monitoring

Update: One set of South Cell water quality samples was collected in November (11/24).

MES Tasks for Reporting Period:

- Water quality monitoring per HMI SCERP monitoring plan.

Future: Future: MES will begin Year 1 water quality monitoring per the monitoring plan. A report from UMCES on the first year of monitoring is expected in January; the consolidated report on the first year of monitoring at the South Cell is scheduled for completion in February.

North Cell Closure / Sediment Sampling

Update: The remaining data from the North Cell sediment sampling event was received and compiled into the summary spreadsheets and a report was drafted reviewing these results. Since data from the 2002 shipping channel sampling event has been received, MES is compiling these results and has used them for comparison to the most recent North Cell sediment sampling data. A meeting for the N. Cell berm construction was held on December 20th.

MES Tasks for Reporting Period:

- Compiled North Cell sediment results into spreadsheet and report.
- Attended temporary berm meeting on the 20th.

Future: MES will continue to provide requested support to the HMI Closure Planning Team as requested. The North Cell Sediment sampling report will be forwarded to MPA in January for review.

HMI Discharge Permit Renewal

Update: During December, a status report outlining the scheduled compliance with the ammonia, copper and zinc limits was sent to MDE.

MES Tasks for Reporting Period:

- Drafted status report and sent it to MDE.

Future: A mixing zone study will need to be undertaken in order to keep the interim limits for ammonia, copper and zinc that were given in the draft permit. In June 2005, a nutrient offset plan is also required. MES will assist MPA with the nutrient offset plan, up on request.

HMI Algae Monitoring

Future: No activity until next sampling set in summer 2005.

Additional

- MES prepared the HMI update for the MPA Safe Harbors website.

Date: December 31, 2004

Project Status Report Form
prepared by
Harbor Development

Project
Open-Ended Contract for Professional Dredging, Dredged Material Placement, Site Design & Site Operations

Project Manager:
Dave Bibo

Assignee(s) (Consultants/Contractors):
Gahagan & Bryant Associates, Inc. (GBA)

Contract Period:
December 2004

Budget Line #	PIN #:	Contract #:	Task #, Name:
1270	54012010	500905	Task 4 HMI Closure

Project Budget (Total):
238,300

Revisions:

Revision #:

% Complete (Total):
70%

% Expended (Total):
82.13%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
50%	Favorable/50%	48.89%	Favorable/51.11%

Project Goal(s.
Develop a plan for final closure of the North Cell of Hart-Miller Island Dredged Material Placement Site by FY 2009.

Project Objectives:
1. Maximize the potential capacity of the site
2. Include a cap of clean sediment as a final uniform lift of about three feet in FY 2008 & 2009
3. Coordinate with dredging contractors, MES and MPA on near term inflow episodes at HMI

Project Status - Issues/Solutions (both required):

a) Temporary Berm construction underway, b) Scheduling of new work and cap material prior to closure is a continuing need through capping and closure, c) Impacts of MDE discharge permit on placement operations is not yet defined. FY 2005 Inflow plan is under review. MPA has prepared projections of placement volumes through first half of FY 2010. The Closure Team Draft Report is in preparation. Meeting with agencies, OAS and GBA held with MPA January 11, 2005 and with OAS and Citizens January 18, 2005

Signature: David Bibo
(Project Manager)

Date: January 24, 2005

Date: January 15, 2005
For Period: 12/01/04 –12/31/04

Project Status Report Form
prepared by
Maryland Port Administrton

Project Name: EPATS TASK 2 – Technical Support

Project Manager: MPA – Dave Bibo
MES - Cece Donovan

Assignee(s) (Consultants/Contractors):
MES
General Physics

Contract Period: May 1999 – June 2005

Reporting Period: December 2004

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1215	54000010	500912	0302 – Technical Support

Project Budget (Total):

$712,132

Revisions:	**Revision #:**
$ 100,000 added 8/00	1
$ 100,000 added 6/01	2
$ 100,000 added 10/01	3
$ 100,000 added 04/02	4
$ 200,000 added 09/02	5
$16,000 added 03/03	6

% Complete (Total):

Ongoing – tasks assigned as needed by MPA

% Expended (Total):

86.7%

% Complete (Crnt FY): **Var/Balance:**

% Expended (Crnt FY): **Var/Balance:**

Project Goal(s): To provide support to MPA for dredged material planning.

Project Objectives: To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

Project Status - Issues/Solutions: During this period, MES provided technical support to the DMMP process, and MES also continued technical support to the Corps' DMMP.

Report Period: December1 through December 31, 2004

December 2004

MES continued support to the DMMP process. There will be no December BEWG meeting, but one is scheduled for January. A preliminary agenda for the January BEWG meeting has been developed.

A combined Management and Citizen's committee meeting was held on Dec. 2. MES is providing technical support for that meeting, and GP will record the meeting and prepare a meeting summary.

MES continued technical coordination with UMCES for GIS mapping and assistance with GIS related impacts analysis for the Corps EIS's, performed under contract to MPA. MES continued to manage and oversee the MPA/MES/MGS Coastal Geology Services IGA for MPA; project status reports were prepared and sent for this IGA. MGS continues to provide technical support to the DMMP process through attendance at BEWG meetings and assistance with the Corps DMMP EIS process.

MES continues work on producing the 500 educational posters, as requested by MPA. The graphics file has been forwarded to the printer. Final proofs are expected in December. The printer has committed to producing the posters by the end of December. The pinch tubes have been received to insert the posters when they are delivered. Upon receipt of the pinch tubes, MES staff will load the posters into the tubes and deliver to MPA, probably by early January. Coordination is continuing with Patricia on this.

MES performed project management duties related to review, processing and recording of invoices and production of status reports.

MES continued coordination with MPA on an annual report to the Legislature on the State DMMP. The annual report was completed and delivered to the Executive Committee on December 16. MES provided technical support for that meeting, including attendance by GP for recording of the meeting and production of a meeting summary.

In late December, MPA requested that MES provide support in the form of a survey of the Hawkins Point placement area. MPA is coordinating with MDE and the Critical Area Commission to ensure that the work requested can be performed with adequate regulatory compliance. Meanwhile, MES is preparing a cost estimate and technical proposal to perform the work under this Task. That cost estimate and proposal will be forwarded to MPA in early January.

Invoiced for December: $6,267.67

Invoiced to Date up to December 31, 2004: $617,385.70

Remaining: $94,746.35

Signature/Date David Belz 01/24/05
Project Manager

******INTERNAL USE ONLY*******

Cox Creek DMCF
Task Update
November 2004

****All tasks included in this update (except where noted) are funded from the approved FY 05 Cox Creek Operations and Monitoring Budget. Costs associated with specific Cox Creek monitoring tasks are not tracked separately, unless requested.****

Environmental Monitoring Tasks for Reporting Period:

Update: Monitoring activities at Cox Creek during the reporting period were based on correspondence and coordination with the Maryland Department of the Environment (MDE) that led to the development of an approved storm water monitoring plan (July 2003). Under this plan, stormwater that collects at the facility is tested and discharged to the Patapsco.

With high zinc concentrations occurring throughout the month, MES has been collecting additional daily grab samples and coordinating a 24-hour laboratory turn around time for results to assist in making operational decisions. MES also continues to prepare and submit a monthly report to MDE documenting the metal and ammonia concentrations in the storm water being discharged from Cox Creek.

- Collection of 8-hour composite sample during stormwater discharge
- pH monitoring in the South Cell Sump 1 Pond every two hours
- Maintained and calibrated lab and field equipment daily
- Monitored the pH of the ponds in the South Cell daily
- Monitored the transfer of water from the North Cell to the South Cell
- Transported daily and weekly samples to laboratory and compared the results with MDE guidelines to maintain discharge
- Ambient samples of the receiving water were taken to determine the acute ammonia toxicity criteria (performed on 11/10/04, 11/19/04 and 11/30/04)
- Hach kit tests were performed to test ammonia concentrations in the Sump pond and in the ambient samples
- Determined when and added lime to the South Cell ponds based on pH levels and metal concentrations
- Compiled data into weekly and monthly reports for storm water management and wetland monitoring
- Continued implementing the monitoring plan for the Swan Creek mitigation area.
- Maintained analytical databases
- Ordered supplies for environmental monitoring

Future: MES will continue the water quality monitoring and preparation of the monthly monitoring report. MES will also continue implementing the Swan Creek Mitigation Area plan and preparing the monthly for submission to MPA.

Meetings, Tours & Events:

- 11/09/04 @ 08:30 a.m. - Cox Creek Construction Meeting - Location: On-site.
- 11/09/04 @ 10:00 a.m. - Spillway Progress Meeting w/ Cianbro - Location: On-site.
- 11/09/04 @7:00 p.m. - Cox Creek Public Hearing – Location: Orchard Beach Fire Co.

- 11/23/04 @ 08:30 a.m. - Cox Creek Construction Meeting - Location: On-site.
- 11/23/04 @ 09:30 a.m. - Spillway Progress Meeting w/ Cianbro - Location: On-site.

Cox Creek Discharge Permit:

Update: MES staff prepared information and attended the public hearing held on November 9, 2004. The public hearing was successful and the discharge permit is expected to be awarded in early December. MES worked with M&N on the Critical Area Commission (CAC) pollution calculations for the December 1, 2004 CAC meeting.

Operations Tasks for Reporting Period:

Update: The MES operations group is currently conducting tasks which can be split into the following categories: general operations, equipment maintenance and repair tasks, and site management and other in an effort to prepare the Cox Creek site for future inflow operations.

Construction Activities:

- VSA & MES further stripped *Phragmites* & root mats to expose useable material in the N. Cell & S. Cell, respectively.
- MES continued to push up and reclaim good quality material from the South Cell.
- MES hauled material from South Cell stockpile to placement area for dike construction. Currently working in area of stations 81+00 – 72+00.
- VSA continued to bring the area between stations 19+00 – 22+00 up to the 24' elevation.
- VSA began raising the stability berm between stations 47+00 – 61+00, when possible.
- MES created trenches in both the N. Cell and S. Cell to drain water away from construction activities.
- Cianbro continued work on construction of Spillway #001 & Spillway #002 (target date for completion of both spillways - middle of January 2005).

Equipment Maintenance and Repair Tasks:

- Daily operational maintenance performed on all heavy equipment.
- Daily servicing of 6" pumps.
- Clark Machine welded additional cracks on Pontoon Excavator under-carriage frame that were over looked during the previous site visit (completed 11/03/04).
- HMI Mechanics assessed the third round of welding work by Clark Machine on the Pontoon Excavator (completed 11/03/04).
- Communications Electronics, Inc. installed 2-way radio in CAT Road Grader (completed 11/15/04).
- Boston Whaler trailer lights were repaired by Moore Performance, Inc. (completed 11/15/04).
- Alban Tractor, Inc. performed PM service on Short Reach Excavator and D6 Dozer (completed 11/19/04).
- McClung-Logan checked warning light in Volvo Dump Truck (completed 11/23/04).
- Alban Rents repaired throttle problem on rental D6R dozer (completed 11/24/04).
- S & S Automotive installed snowplow on 2003 Chevrolet 2500 (completed 11/30/04).

Site Management and Other:

- New Trailer tasks:
    - MES staff began compiling photographs of Cox Creek for the MPA to select for framing and hanging in the new trailer. An aerial photograph was selected and mounted. In addition, a North Anne Arundel Co. Land Trust brochure with

photographs and information regarding the wetland was framed. Several Cox Creek wildlife photographs will be forwarded to the MPA for selection.
  - Purchased remaining office furniture and misc. household supplies.
  - Arrangements were made to have the water in the trailer tested for drinking purposes.
  - Preparations were completed by Best Electrical Services, and MEZ Electric, Inc. so BGE could install electrical service to the trailer.
  - Obtained quotes from cleaning companies to scrub, seal, and wax the new trailer floors. Quotes were also received for performing a monthly cleaning/up-keep for the tile floors.
  - Maryland Inter-tel made adjustments to the phone system (completed 11/22/04).
  - Verizon made adjustments and repairs to the fax line phone cable (completed 11/26/04).
- Continued tracking assets and assigning appropriate I.D. tags (on-going process). Asset inventory with MES HQ staff completed 11/15/04. Response to asset inventory comments sent to HQ 11/24/04.
- Obtained prices from Wilson Point Steel to fabricate metal grates for shop drainage area. New galvanized grates will range from $282.00 - $324.00 depending on size. Due to the cost associated with replacing all of the grates, only partial replacement of certain areas is recommended at this time.
- Continued to arrange for CD burners & software for digital photo descriptions to be installed on desktop computers. Currently both Holly Miller and Brandon Ghrist have the necessary hardware & software on their computers.
- Started obtaining bids for fixing the leaks in the Maintenance Shop roof. Top Roofers, Inc. has provided an estimate of approximately $13,000.00 to complete this task. Additional quotes will be collected.
- Continued removing debris off wetland area beach (11/05/04, 11/22/04, & 11/23/04). This is an on-going task and will be performed on a regular basis with the help of temporary laborers.
- Installed signs stating "Caution Underground Utilities (11/12/04).
- Purchased a snowplow for the 2003 Chevrolet 2500 truck. The new snowplow was mounted by S & S Auto on 11/30/04.
- Picked up oil for heavy equipment from Castrol Heavy duty (completed 11/19/04).
- Arranged for delivery of plastic road barriers from HMI – to be used around electrical panels and fuel farm at Cox Creek (completed 11/22/04).

Construction Activities for the Reporting Period:

Update: MES is conducting construction inspection, subcontractor management, and working on future construction procurements. In an effort to make this update as comprehensive as possible, also included are the tasks completed by various subcontractors during the reporting period.

The following construction activities were completed in November 2004:

- Cianbro erected the spillway structures at both Spillways 1 and 2 and began the process of completing the structures by installing the ladders, grip hoists, etc.
- Cianbro completed driving piles for Spillway # 2
- Cianbro continued to submit and MNE and MES continued reviewing and approving submittals for the gate valve stem and the assembly unit for the gate valves and responding to RFIs.
- Cianbro discovered that the holes drilled in the wooden members of the HDPE pipe support system were in the wrong spots and began to correct the issue.

- The diving company mobilized on site and began setting the pipe support systems
- Findling, Inc. and Moffat and Nichol provided Cianbro guidance on the flexible connection before the corrugated metal pipe for Spillway #1.
- Best Electric installed the meter boxes for the BGE meters for the garage service, the street lighting system and the trailers.
- BGE completed the installation of the electric for the site.
- VSA, Inc. and MES crews continued placing material on the inside of the existing dike to form the foundation for the eventual dike raising to elevation +36.according to the section. As of the end of the month, the elevation of the inside section was at approximately +23 at some locations in both the north and south cells. In other sections the elevation is only up to +13.
- VSA and MES began placing material from station 47+50 to station +60 for the surcharge area. The surcharge has to go to elevation +16.
- Contracted was awarded for the replacement of the blocked storm drain system.
- Plans were completed for the installation of electricity, including lighting and other items in the garage building. Bid documents were also prepared.

The following activities were in progress during November, 2004

- Work continued on raising the inside of the dike to 24 feet. Work was concentrated in two areas. In the north cell from station 17 to approximately station 30 and in the south cell from station 81 to station 61.
- Moffatt and Nichol continued to revise the Erosion and Sediment Control Plan and to respond to comments from MDE.

Project Status Report Form
Prepared by MES for
Harbor Development

Project Name:

Poplar Island Environmental Restoration Project (This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager: David Bibo

MES Project Manager: Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract Period:

01/01/04 – 01/31/04

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1215	54000010	500912	#46, PIERP Adaptive Mgmt. Plan (AMP)

Project Budget (Total):

(Contract Amount) $292,019

Revisions:

Revision #:

% Complete (Total):

50%

% Expended (Total):

51.83%

% Complete (Crnt. FY):	**% Var./Balance (Crnt. FY):**	**% Expended (Crnt. FY):**	**% Var./Balance:**
45%	**55%**	**34.44%**	**65.56%**

Project Goal(s):
- **Continuation of services on the Poplar Island Adaptive Management Plan (AMP) and Project Management Plan (PMP).**
- **Development of the updated Poplar Island Habitat Development Framework (HDF).**

Project Objectives:
- **Provide revised drafts of the HDF.**
- **Provide technical support and contractor oversight for the continued development of the AMP and PMP.**
- **Provide support at the AMP team meetings and HDF development meetings (Habitat Sub-group Meetings).**

Project Name: Poplar Island Environmental Restoration Project
Task #, Name: #46, Adaptive Management Plan (AMP)

Project Status Report Form
Prepared by MES for
Harbor Development

Project Status – Issues/Solutions (both required):

- **Issues**
  - Task management database is not working as well as planned, mainly due to unresponsiveness to preparing task worksheets, but also because of general inaccessibility since EA handles the database and it can only be accessed through specific requests to EA.
  - EA has indicated that they may have difficulty achieving their contract MBE goal because their MBE contractor has determined that the task management database does not require as much input as originally planned.

- **Solutions**
  - EA has recommended using a web-based system for the Poplar Island adaptive management information. The website could be accessed by the entire project team and would make it easier for the project team to look at existing tasks. The website could also potentially allow MES to upload monitoring data in order for MDE to query specific data (this is a request MDE has made in the past, but since MES does not keep data in an Access database, the information can not be easily queried for specific requests). MPA has given MES approval to request that EA prepare a task amendment to include development of the adaptive management website.
  - MES has enlisted the assistance of 2 Poplar staff members (Albanese and Delashmutt) to work on getting the operations and environmental tasks up to date. To date, all the operations tasks currently listed in the database are up to date. The environmental tasks currently listed in the database are approximately 50% complete. MES is continuing to add current and new tasks to the database.
  - EA will continue to work with the Corp to initiate development of 2005 task forms.
  - EA has identified an additional MBE Contractor and within-scope work for that Contractor to potentially perform on the task database (website design support).

- **MES Activities:**
  - Contractor oversight and management.
  - Drafted October progress report; reviewed and approved subcontractor and client invoices.
  - Finished updating task worksheets for the operations tasks currently listed in the database.

- **EA Engineering, Inc. Activities:**
  - Proof reading database information.

- **Future Activities:**
  - MES will request that EA develop an amended scope of work for their existing contract that includes a task to develop a web-based adaptive management database.
  - MES will provide MPA with a general organization chart of staff working on the adaptive management project, and a schedule of deliverables (task work sheets).

Total Contract Amount: $292,019

Total 11/30/04 Invoice: $13,990

Total Amount Invoiced as of 11/30/04: $152,595

Project Status Report Form
Prepared by MES for
Harbor Development

Note: On the November invoice there is a credit in the amount of $23.79. This credit is a result of aggressive MES overhead reduction efforts in FY 2004. If there are additional questions, please contact the MES Project Manager

Signature/Date: David Bebo 122704
Project Manager

Date: as of 11/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development Task #, Name:_____

Project Name: Poplar Island Site Development

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/04-06/30/05

Budget Line # 910 **PIN #: 51030040** **Contract #: 502813** **Task #, Name:**

Project Budget (Total): $4,782,918 **Revisions:** **Revision #:**

% Complete (Total): 42%

% Expended - $(Total): 52.14%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
45%%	55%	24.73%	63.57% (favorable)

Project Goal(s): Operation of the project efficiently, safely, and in compliance with the regulatory requirements. To manage the material placement to place the maximum amount of material while meeting the objectives of the project.

Project Objectives:

- **Environmental Monitoring, meeting the discharge criteria.**
- **Prepare and maintain the infrastructure for long term sustained operations.**
- **Conduct operations in compliance with environmental concerns.**
- **Recover sand for future operations.**
- **Develop the wetlands into a viable habitat.**
- **Conduct tours and site visits to tell the Poplar Island success story.**

ject Status - Issues/Solutions (both required): The current focus of the facility is

Date: as of 11/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development Task #, Name:_____

the construction of Cell 3D into a viable wetland using dredge material, Preparing for the 04/05 federal season, erosion repair along roads and dikes as needed.

Crust Management: There was no crust management activity during the month of November due to pending 04-inflow event.

Inflow preparations: All additional phase I cross dikes are complete. Weir structures and crossover pipes have been installed in all new cross dikes. Dredge material has been excavated from the cells and placed on the slopes to protect them from erosion. Some low areas were identified along the new cross dikes (cells 1 &3) and the east exterior dike of phase I. All of these low areas will be raised to 8.0′ (minimum) before inflow of the wetland cells begins. Sand has been placed if front of all phase I spillways to facilitate future sump excavation. All perimeter trenches have been filled with consolidated dredge material. Spillway #3 in cell #2 is prepared for use. Great Lakes began preliminary site mobilization on Monday 11/15.

ll 3D: Major channel excavations were completed by 8/27. Final grading to the +1.5′ elevation has fallen slightly behind schedule. The USACE estimated that an additional 3,500 cubic yards of material would be needed to achieve an average cell elevation of +1.5′, as of November 30th - 28,110 cubic yards of material has been hauled into cell 3D from cell #6, Cell #5 and Cell #2. Over 5.67″ of precipitation in the month of November has saturated the cell and dramatically decreased productivity. Hauling operations halted on 11/23 due to unstable/wet conditions in the cell interior. The USACE will assess the current cell elevations to determine if they are acceptable. Consolidated Construction began dike breach preparations on November 15th. The Cofferdam was completed by 11/30.

Land base: MES has completed all preparations and permitting for the land base parking lot improvements. The property owner has hired a local contractor to grade the parking lot. This contractor has made no progress during the month of November. MES will write a letter to the landlord and request that they finish the work and take a credit from the monthly rental fee.

Other Activities: MES has maintained the water elevation in cell 5 to facilitate sand removal and future cross dike construction. Inspection staff prepare for inflow. Dike and road maintenance conducted thought the Island. A total of 11 tours were conducted on Poplar Island during the month of November.

Signature/Date: David Bibo 122704

Date: 12/27/04

Project Status Report Form
prepared by
Harbor Development

Project Name: Site 92 Comprehensive Monitoring

MPA Project Manager: Dave Bibo

MES Project Manager: Elizabeth Habic

Assignee(s) (Consultants/Contractors):
MES
MDE
MGS

Contract Period:

05/1/98 – 06/30/06

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1110	600106-H	59910	

Project Budget (Total):

$1,126,259.11 (years 1-7)

Revisions:

Revision #:

% Complete (Total):

Year 1 & Year 2: 100%
Year 3: 100%
Year 4: 100%
Year 5: 100%
Year 6: 80%
Year 7: 15%

% Expended (Total):

54% ($608,019.36 through October 2004)

% Complete (FY 04):
95%:
Revised FY 04 Budget: $200,940.50.
Projected FY 05 Budget: $118,680.93
(FY05 budget is based on FFY05 budget of $241,701.22 split 50/50 with CENAP)

% Expended (FY 04):
96.0%: Balance $192,994.41

Var/Balance:
4.0%/$7,946.09

Expended in FY 05:
Balance $105,655.29

Var/Balance:

Project Goal(s): Management of site monitoring activities at Site 92

Project Objectives: Conduct management activities of site monitoring activities at Site 92

Project Status - Issues/Solutions (both required):
November:
See attached status report

December:
MES will prepare for and conduct a biweekly Contractor/Team meeting in Chesapeake City on December 1st and conduct a conference call on December 22nd.
MES will distribute draft meeting summaries for the December 1st and December 22nd Contractor/Team meetings.
MES will finalize and distribute final meeting summaries for the December 1st Contractor/Team meeting.

Date: 12/27/04

Project Status Report Form
prepared by
Harbor Development

Project Name: Site 92 Comprehensive Monitoring Task #, Name:_____

Project Status - Issues/Solutions (both required):

PROJECT INFORMATION FOR YEAR 7 OF PLACEMENT

Amount of Contract: $3,089,822.20

Amount of Dredged Material:
BD Survey – unknown until final survey
IBD Survey - 725,645 cy

Amount of Material Dredged: 447,219 cy (contractor estimate as of 12/12/04)
Amount of Material Remaining To Be Dredged: unknown until final BD Survey

Advertisement Date: August 20, 2004
Time To Complete: 100 days
NTP Issued: September 28, 2004
Weather Days: (need to add number)
Expected Completion Date: mid-January

Signature/Date: David Bibo 12 27 04
(Project Manager)

Date: 11/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island South Cell Task #, Name:_____

Project Name: Hart-Miller Island S. Cell Restoration

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 2002-present

Budget Line # 875 **PIN #: 600102-L** **Contract #: 500607** **Task #, Name:**

Project Budget (Total): 1,080,000.00 **Revisions:** **Revision #:**

% Complete – Work (Total): 83% **% Expended - $ (Total): 74.51%**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
20%	80%	40.80%	59.20% (favorable)

Project Goal(s): Restore the Hart-Miller Island South Cell creating a habitat for migratory birds, consisting of mud flats, nesting island, and uplands.

Project Objectives:
- **Provide habitat for migratory birds.**
- **Allow citizens to observe the birds from viewing areas**

Project Status - Issues/Solutions (both required):

South Cell: Geo Con has completed almost all tasks, they have demobilized with the exception of one pickup truck. The USACE is preparing a punch list for items that need to be corrected, prior to closing the contract. Some of the ground cover did not initially prevent erosion and some washouts have occurred in the area of the footpath. It appears that the ground cover has now taken hold but some repairs will still be needed. It has not been decided whether this erosion will be warranty work or not, if it is not warranty MES will perform the repairs There is still an issue with the pole lights outside of the control building as to their pole size. MES will make the repairs on the spillway, the specifications are being prepared and the contract will be advertised soon.

Signature/Date: David Bibo 12 27 04
(Project Manager)

Date: as of 11/30/04

Project Status Report Form

Prepared by

Harbor Development

Project Name: Hart-Miller Island DMCF Task #, Name:_____

Project Name: Hart-Miller Island DMCF **Project Manager: David Bibo**

Assignee(s) (Consultants/Contractors): MES **Contract Period: 07/01/04 – 06/30/05**

Budget Line #815 **PIN #:600102-C** **Contract #: 384002A** **Task #, Name:**

Project Budget (Total): $3,900,000 **Revisions:** **Revision #:**

% Complete (Total): 42% **% Expended (Total): 18.78%**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
42%	47%	15.02%	84.98% (favorable)

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.

Project Objectives:

- **Construction of the S. Cell Restoration Project**
- **HMI Well Monitoring Study, ensuring no migration of material is taking place.**
- **Environmental Monitoring, meeting the discharge criteria.**
- **Gahagan & Bryant Associates (GBA), MES and the MPA are developing closure plans for the north cell. Action is ongoing.**

Project Status - Issues/Solutions (both required): The current focus of the facility is dewatering and material recovery for the temporary berm construction which is on going and about 10% complete. Southern Maryland Dredging has not completely demobilized, pipe is still on the island. Site personnel are repairing roadways and ramps due to heavy rains.

Date: as of 11/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF Task #, Name:_____

Great Lakes arrival at HMI is expected sometime in February 2005 with a completion date of late March 2005.

Signature/Date: David Bilo 12 27 04
(Project Manager)

Date: as of 11/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF Task #, Name:_____

Project Name: COX CREEK DMCF **Project Manager: David Bibo**

Assignee(s) (Consultants/Contractors): MES **Contract Period: 07/01/04 – 06/30/05**

Budget Line #1015 **PIN #: 53050040** **Contract #: 504907** **Task #, Name:**

Project Budget (Total): $2,795,401 **Revisions:** **Revision #:**

% Complete (Total): 42% **% Expended (Total): 53.49%**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
42%	58%	15.63%	84.34%avorable)

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To prepare the site for the first placement cycle.

Project Objectives:

- **Dike raising of both cells.**
- **Site preparation for initial inflow, to include; access channel and spillways**
- **Environmental Monitoring, submitting and receiving the discharge permit.**
- **Dewatering in preparation of future construction, within discharge criteria.**
- **Monitoring and maintenance of the Swan Creek mitigation site.**

Project Status - Issues/Solutions (both required) The current focus of the operation is dewatering the cells, recovering and hauling material for construction of benches for dike raising. This has included trenching, liming of the water, creation of sumps, clearing and grubbing the site and pushing up material, allowing it to dewater and hauling it to the desired location.

Date: as of 11/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF Task #, Name:_____

MES has occupied the new office trailer; a temporary generator is being used. The telephone system has been installed, email has been switched to DSL and the computer network and server has been installed.

The preparation for the transformers in the trailer area and the guardhouse area has been completed. The inspection has been completed, BGE will run the lines and set the transformer, and connect commercial power in early December.

The maintenance shop has been power washed and painted, a new garage door has been installed and the ceiling lights have been removed in preparation for new electrical service. The interior electrical is has been designed, and MES is preparing the solicitation for advertisement. MES has done some initial investigation of the storm sewage system and has attempted to remove blockages, a contract has been awarded to complete the work.

Construction Status:
Dike: Further dike raising will be completed by MES, utilizing a combination of MES employees and contractors. The MES engineering division and geotechnical subcontractors will oversee the construction. MES subcontractor, VSA has mobilized equipment and along with MES equipment operators are currently constructing benches for dike raising. In addition, stockpiling material and clearing and grubbing areas of the north cell as future borrow areas, continues.
Spillway: Construction began in July and the completion date is now January 2005. Cianbro continues spillway construction, and has completed the dike penetrations; the steel structure have been delivered to the site and has been erected. Pile construction has been completed and bunks are being installed in preparation for the pipe.

Signature/Date: David Bibo 122704
(Project Manager)

POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT (PIERP)
Quarterly Update #5
July - September 2004

Background:
Poplar Island is an environmental restoration project located in Talbot County, Maryland in the Chesapeake Bay. Ultimately, the site will be approximately 1140 acres in size and is estimated to provide 40 million cubic yards (mcy) of dredged material placement capacity. The island restoration will re-establish the approximate 1847 footprint, which as of 1996 had eroded to a few acres due to natural hydrodynamic influences. PIERP is planned to provide approximately 570 acres of wetland and 570 acres of upland habitat.

PIERP is divided into 6 large containment cells. Two cells on the western side of the facility will contain the majority of the dredged material and will become upland habitat, and four wetland cells on the eastern side of the facility will be filled to an elevation that will support wetland vegetation.

Operations Update:
Weir box installation between the interior cross dikes in Cell 1 was completed this quarter and installation of the weir boxes in the Cell 3 interior cross dikes commenced in September. The weir boxes will allow water to flow between these smaller wetland cells. Construction of the final interior cross dike in Cell 3 was also completed. Dredged material was pulled up on the slopes of these dikes in an effort to control erosion when inflow begins.

Crust management activities continued in upland Cell 2 and wetland Cells 1 and 3. The water level in Cell 5 was maintained via pumping to allow for sand recovery for use in the interior cross dikes and other facility projects. Slope and washout repairs were conducted throughout the site. Construction of a turnaround at Spillway 1 on the upper dike was completed. The concrete pipes that had been placed on the exterior of the dike for the Cell 1 breach (caused by Isabel) were removed. These pipes were placed inside the northern dike of Cell 6 to help control erosion. The operations group continued working on the new PIERP landbase and the building surcharge pad was completed.

Habitat Development Update:
Cell 3D:
The development of wetland Cell 3D continues. This cell is scheduled to be opened to tidal flow and planted in the early part of 2005. The planting contract was awarded in September for a Spring 2005 planting. This award date gives the planting contractor time to collect seed during the fall collection window. The National Aquarium in Baltimore will coordinate volunteer planting activities in approximately 6 acres of Cell 3D. The MES operations group, working closely with the Corps, continues digging and shaping the channels of this cell.

During July, the interior trenches on the western half of the cell were filled in and grading began. Material was stockpiled from the large first order channels and placed on the habitat island to dry out. In August, the perimeter trenches on the southern and western sides of Cell 3D were maintained and cleaned out on a regular basis. A haul road was created from the eastern side of the cell to the habitat islands to allow for removal of previously stockpiled material. A low ground pressure dump was used to move material around the cell. The habitat island was shaped and graded and final grading of the cell began.

During September, the operations group focused on grading the cell to the final elevations. The elevations in the cell are lower than expected, possibly due to additional consolidation of material. Therefore, material from other areas of the site is being placed in Cell 3D. Construction of the cell was

approximately 95% complete by the end of the quarter and should be finished in November. Drainage trenches were maintained to keep the cell as dry as possible. All water that collects in the sumps is pumped into Cell 3 daily.

Other Habitat Development:
Moffatt and Nichol has completed the draft report for the modeling conducted to look at sediment transport in the vicinity of PIERP. Once finalized, the results will be reported to the Working Group.

University of Maryland Center for Environmental Science (UMCES) is continuing the study in Cell 4DX and collected sediment samples from the dredged material test plots in July. The SAV study is also continuing; the SAV buoys were re-seeded a few times this quarter. Additionally, the remaining exclusion fencing was repositioned and repaired in July. During July, The National Oceanic and Atmospheric Administration (NOAA) conducted the summer sampling event in Poplar Harbor, Cell 4DX and the reference sites.

US Fish and Wildlife Service (USFWS) is monitoring the small vegetation control test plots that were installed on two of the shell covered nesting islands in Cell 4. Spot spraying of *Phragmites* in Cells 1, 3, 4, 4DX, 5, and 6 continued throughout the quarter. In an attempt to lure in the smaller heron colonies, USFWS and MES placed egret decoys on top of fence posts on the remnant island in Cell 1. US Geological Survey (USGS) and USFWS monitored this site and a conservative estimate of nests would be 40-45 with 80-100 young fledged from these nests. USGS and USFWS would like to put the decoys on this island again next year as well as an additional island, the small remnant in the north end of Cell 1.

USFWS conducted SAV sampling in Poplar Harbor in July. They found grass at 44 out of the 282 sampling points randomly chosen for the July episode. In comparison, in July 2003 they found grass at 10 of 282 different random sampling points in the Harbor. Most of the grass was horned pondweed. Their sampling was conducted in mid- to late July. From casual observations prior to the sampling, there was likely a great deal more horned pondweed in the Harbor during June than what was sampled in July, as would be expected.

Monitoring Update:
Discharge from PIERP has continued to meet the Maryland Department of the Environment (MDE) water quality guidance; however, there have been instances when certain parameters are measured at levels above the state water quality criteria at the spillways, 100-yd locations and the water quality reference point. MES, MPA and MDE met in May and discussed options to address these issues. MES will be following up on MDE guidance over the summer. MES will continue following up on their guidance and will update the Working Group on any significant changes to the ongoing monitoring. The Water Quality Certification was renewed in August. MES has received all of the data from the sampling conducted to determine how much of the turbidity in the effluent has a biological origin. This data has been reviewed and a report has been drafted, however after discussions with MDE, MES will conduct more data interpretation before the report is finalized. Once finished, the Working Group will be updated on the findings. In September, the 2004/2005 Discharge Monitoring Plan was submitted to MDE for review. The only change to the monitoring from the previous year was a reduction in organics sampling from quarterly to semi-annually.

Flora/Fauna Update:
The 2004 Diamondback Terrapin nesting was complete in August and hatchlings started emerging from their nests. There were 185 known nests marked and ringed with flashing in 2004. By the end of September, 861 hatchlings had been collected, measured, tagged and released. Aerial mosquito sprays of Poplar Island were conducted in July and during the last week of September. MES received a Toxic Material Permit (TMP) from MDE to conduct hand application of a bacterial larvicide to control

mosquitoes on Coaches and Jefferson Islands, which occurred on July 15th. APHIS continues the bird and wildlife population control, per our depredation permit.

Algae samples were collected seven times during the quarter. During six of these sampling events, high levels of blue-green algae were noted in Cell 1. However, the majority of the blue-green algae identified were not toxic strains. A June sample from Cell 1 that had high levels of *Anabaenopsis* was sent out by DNR for toxicity testing; the tests came back negative. Safety precautions are being utilized by anyone coming into contact with the water in Cell 1.

On September 27, 2004, a large number of deceased birds were discovered at the site. USFWS and DNR were consulted and the dead birds were buried onsite, while the sick birds were transported to Tri-State Bird Rescue and Research in Newark, DE. By the end of the month, 187 birds had been buried on site and 32 had been transported to Tri-State. Of these 32, 14 died and the rest were rehabilitated and released in October. Tests results concluded that these birds had avian botulism C. An algae sample was collected from Cell 1 on September 27th and sent to DNR for toxicity analysis. To date, no results from this sample have been received.

Eight bird censuses were conducted during the quarter. Counts ranged from a low of 2,325 individuals to a high of 4,815 individuals. The majority of these were semi-palmated sandpipers, lesser yellowlegs, least sandpipers, herring gulls, great black-backed gulls, laughing gulls, brown-headed cowbirds, and double crested cormorants. During August, a tri-colored heron and green heron were observed at the site for the first time. During September, the first marbled godwit and Hudsonian godwit were observed at the site. Additional species of interest were a rare Baird's sandpiper, coastal red knot, red-necked phalarope, Wilson's phalarope and a buff-breasted sandpiper.

Meetings held this quarter: 6 Site Operations meetings, Cell 3D meetings, and a pre-inflow meeting.

The Poplar Island Project website can now be accessed through the CENAB website at the following address: www.nab.usace.army.mil/projects/Maryland/PoplarIsland/index.html.

*** For Internal Use Only ***

POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT

Environmental Monitoring Task Update

November 2004

All tasks included in this update (except where noted) are funded from the approved FY 05 Poplar Island Environmental Restoration Project Operations and Monitoring Budget. Costs associated with specific Poplar monitoring tasks are not tracked separately, unless requested.

This update does not include MES activities associated with regular operations and crust management environmental monitoring. That information is reported in a separate monthly report to MPA.

Algae sampling

Update: The last algae samples of the year were collected in October. Algae sampling will resume in April 2005.

MES Tasks for Reporting Period:

- Reviewed laboratory analysis and updated algae summary spreadsheets.

Future: Algae monitoring will begin again in April 2005. MES will contract with the DNR lab for analysis of the 2005 samples. As in the past, the algae sampling spreadsheets and graphs will be updated and emailed out to the algae group periodically. If any species of concern are found in the samples, the project team will continue to be notified and proper precautions will be taken at the site.

Post Isabel Monitoring

Update: MES managed additional sediment monitoring in Poplar Harbor by EA and analysis of the samples by MGS. An executive summary of the MGS sediment sampling was received by MES in mid-February. MES received the draft of this report in October. The report was reviewed and comments were sent to MGS in November. The final MGS report was received on November 30th.

MES Tasks for Reporting Period:

- Finished reviewing the MGS draft report.
- Complied comments on the MGS draft report and transmitted to MGS.

Future: The final report will be reviewed to ensure all comments were addressed. The final report will be forwarded to MPA and CENAB via the 2003 Annual Report.

Volatile Solids Study

Update: This study was conducted during the month of August 2003 in an effort to determine the percentage of solids in the PIERP discharge that has a biological origin. MES received the final data in November and has begun to interpret the data and prepare a report. MES has also been in consultation with MDE to aid in the data interpretation. MES met with MDE on May 20th and received further guidance to finalize the report.

MES Tasks for Reporting Period:

- Continued to review data and finalize data interpretation based on MDE's guidance.

Future: MES will finalize the data spreadsheets, draft the volatile solids study report and send the report to MPA and CENAB for their review. MES will follow up on the guidance received by MDE when drafting the report.

Habitat Development Framework/ Adaptive Management Plan (EPATS Task 46)

Update - Habitat Development Framework (HDF): The April version of the HDF has been finalized with the incorporation of the comments from the HSG members. The HDF was handed out at the WG meeting on May 25th. This document will be updated again in early 2005 as reports and recommendations are received from the 2003 framework monitoring studies. MES will begin planning for a February 2005 Habitat Subgroup meeting.

Update - Adaptive Management Plan (AMP): MES continues to manage the AMP. Under the EPATS Agreement, progress on this task is reported in a separate progress report.

Future: MES will continue to provide input to the AMP.

Cell 4DX Monitoring (EPATS Task 40)

Update: Under the EPATS Agreement, tasks completed by UMCES for Cell 4DX are reported in a separate progress report. The 2004 Cell 4DX Monitoring plan was drafted and implemented in June. Sampling under the 2004 Cell 4DX Monitoring Plan continued until the end of October.

MES Tasks for Reporting Period:

- Updated Cell 4DX data spreadsheet.

Future: MES will distribute monthly spreadsheets detailing the results of the Cell 4DX monitoring. By early 2005, MES will prepare a 2004 Cell 4DX report that will address whether this cell should be monitored in 2005.

Harbor Sedimentation Survey

Update: This project is directly managed through the MPA and their subcontractor (Moffatt and Nichol). MES provided project management and technical review services as requested by MPA. ME S reviewed the draft report in April 2004 and submitted comments.

Future: MES will provide a QA/QC review of the final report, if requested by MPA.

Working Group Coordination

Update: MES has been providing all of the planning, coordination, handouts and meeting summaries, for the bi-annual working group and sub-group meetings. MES has also been drafting the monthly WG updates, as requested by CENAB and MPA. The project team decided not to schedule a fall Habitat Sub-group meeting. A Working Group meeting was held on November 5, 2004 and covered both habitat and overall working group issues since the May 2004 meeting.

MES Tasks for Reporting Period:

- Coordinated the November WG meeting.
- Development of the October WG update.
- Prepared and distributed a list of action items from the WG meeting.
- Began drafting WG meeting summary

Future: MES will continue to provide monthly WG updates (for distribution by the Corps). MES will draft the WG meeting summary and forward to MPA and CENAB for review before distribution.

Poplar Exterior/Framework Monitoring

Update: MES continues to manage the contractors performing the 2004 sediment and the faunal monitoring per the monitoring framework plan. MES prepared a scope of work and coordinated the contractual agreements necessary to initiate the 2004 sediment monitoring. MES is working with the Corps to review the exterior monitoring reports for 2003 in preparation for development of the 2003 Annual Report. MES is also working to prepare scopes of work for the 2005 exterior monitoring tasks.

MES Tasks for Reporting Period:

- Contract management for exterior monitoring (contracts managed by MES).
- Reviewed 2003 reports and drafted summaries for inclusion in the 2003 Annual Report.

Future: MES will continue reviewing the 2003 reports, as they are received, and continue preparing the 2003 Annual Report. Additionally, MES will continue to put the appropriate contracts in place for the 2005 monitoring tasks.

Other Tasks

- MES is assisting USFWS and APHIS with the bird and wildlife population control.
- MES drafted a Cell 3D Monitoring Plan and meet with MDE on September 21 to review this plan. Based on comments received at that meeting, the plan was updated and submitted to the project team for review in October. The final draft of this monitoring plan will be forwarded to MDE in December.
- MES assisted USFWS with locating, identifying and removing the dead/sick birds that were discovered on the site.

PROGRESS REPORT

Project: OPEN-WATER PLACEMENT SITE 92 **Period: November 2004**
MPA Contract No.: 599910
MPA PIN: 600106-H
CENAP Contract No.: DACW61-03-C-00031
MPA/CENAP Contract Amounts:
Year 3: $157,430.09
Year 4: $162,130.72
Year 5: $164,790.13
Year 6: $122,424.27
Year 7: $118,680.93

A. Site Management

1. MES recorded scow placement locations and quantity of material placed at Site 92 for the Year 7 placement action.

2. MES generated CAD figures of Year 7 scow placement locations at Site 92 and distributed the figures semiweekly to the Principal Investigator (PI) Team.

3. MES sent biweekly updates on Year 7 material placement at Site 92 to the PI Team.

4. MES drafted the meeting summary from the October 27th Contractor/Team meeting.

5. MES incorporated comments and distributed the final meeting summaries from the October 27th meeting on November 30th.

6. MES prepared an agenda and handouts, and attended the Contractor/Team meeting on November 10, 2004.

7. MES drafted the meeting summary for the November 10th Contractor/Team meeting and distributed it to the PI Team for review.

8. MES received CENAP's 25% Survey data to begin plotting a figure for distribution to the monitoring team.

B. Consolidation and Resuspension

1. MGS completed the workup of the Year 6 9-month post-placement bathymetric survey, which was taken September 27-28, 2004.

2. MGS is in the process of completing the work up on all of the core samples collected during the Year 6, 9-month coring cruise on September 30, 2004.

3. MGS applied secondary corrections to all Year 6 surveys from pre-placement to nine months.

4. MGS completed the work up on the Year 7 pre-placement bathymetric survey, which was taken September 27-28, 2004.

5. MGS x-rayed, opened, described, and sub-sampled the remainder of the cores collected during the Year 7 pre-placement coring cruise on September 30, 2004.

6. MGS submitted a monthly status report to MES for the month of November on November 30, 2004.

C. Benthic Community Evaluation

The benthic community evaluation will not be performed until approximately 18 months after the end of all placement activities at Site 92.

D. Technical Support

1. MDE activities will be reflected in the quarterly progress report submitted in January 2005.

E. Technical Integration

1. MES coordinated studies and principal investigators to maximize efficiencies and exchange information during the study period.

2. MES communicated with principal investigators as necessary to review findings of the studies and to coordinate activities.

3. MES verified and tracked deliverables, cruises, and findings as necessary.

4. MES provided overall program QA/QC to ensure that project elements met stated technical objectives.

5. MES provided technical information and guidance as necessary for current Site 92 placement actions and certifications.

F. Project Management

1. MES coordinated with MGS for submittal of project status reports.

2. MES tracked and processed client invoices.

3. MES drafted the meeting summary from the October 6th PI Team meeting.

4. MES distributed the October 6th meeting summaries to the PI Team for review.

5. MES incorporated comments and distributed the final meeting summary from the October 6th meeting on November 30th.

6. MES monitored progress on all work tasks and informed the clients on its status.

7. MES reviewed, signed, and returned CENAP Contract/Modification DACW61-03-C-0031/P00005 on November 24, 2004

8. MES submitted a monthly status report for the month of October on November 15, 2004 to MPA and CENAP.

9. MES submitted a monthly financial report to MPA for the month of October on November 15, 2004.

10. MES provided contract balance and invoice payment information to CENAP to assist tracking of contract expenditures.

G. Turbidity Plume Monitoring

1. Turbidity plume monitoring is conducted only when placed materials exceed the authorized elevation of –14 MLLW and dragging is determined necessary. The elevation at Site 92 will be evaluated after all placement has ended for Year 7 and the Study Team will determine whether dragging is necessary and thus whether Turbidity Plume Monitoring is necessary.

December 15, 2004

Mr. David Bibo
Harbor Development
Maryland Port Administration
The Maritime Center II
2310 Broening Highway
Baltimore, Maryland 21224-6621

Reference: Comprehensive Monitoring of the Site 92 Open Water Placement Site
Progress Report for November 2004
MPA Contract No.: 599910 Pin No.: 600106-H
MES Contract No.: 99-07-11

Dear Mr. Bibo:

Enclosed is a progress report that details project activities on the Comprehensive Monitoring of the Site 92 Open Water Placement Site for November 2004. Please note that MES is providing a credit to the MPA Site 92 account due to our aggressive efforts to reduce overhead costs. The credit, totaling $97.10, is incorporated in the November invoices this month on the Year 5 and Year 6 funds. Please contact me at 410-729-8335 with any questions or comments.

Sincerely,

Elizabeth Habic
Natural Resources Planner
Environmental Dredging & Restoration Division

Enclosure
Cc: Nat Brown

Project Status Report Form
Prepared by
Harbor Development

Project Name:

Sediment Monitoring and Plant Survival, Cell 4DX, PIERP
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager: David Bibo

MES Project Manager: Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract Period:

07/01/03 – 01/31/05

Budget Line #	PIN #:	Contract #:	Task #, Name:
1215	54000010	500912	#40, Sediment Monitoring & Plant Survival, Cell 4DX, PIERP

Project Budget (Total):
(FY05) $339,058
(Contract Amount) $406,153

Revisions:

Revision #:

% Complete (Total):

80%

% Expended (Total):

29.74%

% Complete (Crnt. FY):	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY):	% Var./Balance:
80%	20%	29.84%	70.16%

Project Goal(s):

- **To monitor the dredged material test plots in Cell 4DX to gauge the suitability of dredged material as a planting substrate by studying the sediment biogeochemistry, pore water biogeochemistry, suitability of the dredged material as a planting substrate and the success of the plants in the dredged material test plots.**

Project Objectives:

- **To monitor the dredged material test plots to quantify the degree of success in meeting the goals of the project for establishing healthy marshes. To monitor the dissolved phase of the water in the dredged material substrate. To conduct analysis on the solid phase dredged material substrate. To determine how the pore water and sediments are affecting the plant growth and success in the dredged material test plots. To evaluate the suitability of the dredged substrates in supporting marsh vegetation and compile a planting list of the most adapted marsh species to the dredged material (contingent task).**

Project Status Report Form
Prepared by
Harbor Development

Project Name: Sediment Monitoring and Plant Survival, Cell 4DX, PIERP
Task #, Name: #40, Sediment Monitoring and Plant Survival, Cell 4DX, PIERP

Project Status – Issues/Solutions (both required):

- **Issues**
  - UMCES has committed to have draft annual report completed by mid-December.
  - UMCES has noted that the results that are being compiled into the draft report indicate that most of the information needed in Cell 4DX has been obtained.

- **Solutions**
  - Contractor's report was received December 1, 2004.
  - MES will discuss a potential no-cost task amendment with MPA to determine whether UMCES efforts should now be switched to Cell 3D, building on information gained through the study of 4DX. MES intends to review the UMCES draft 4DX report to assess the level of effort required for Cell 3D monitoring. UMCES efforts in Cell 3D would not begin until Spring 2005.

- **MES Activities:**
  - Contractor oversight and management.
  - Subcontractor invoice review and processing.
  - October progress report for MPA.
  - Present information on 4DX monitoring (MES and UMCES efforts) at November 5th Working Group meeting.

- **MES Future Activities:**
  - Continued subcontractor oversight and management.
  - Review of UMCES 2003 / 2004 Monitoring Report (Received December 1. 2004).
  - Coordinate with MPA and UMCES to determine whether additional studies will be needed in 4DX or 3D for the 2004 / 2005 monitoring year. If needed, prepare a new scope of work and task amendment.

- **UMCES Activities:**
  - Finalize the 2003 / 2004 Monitoring Report.
  - Attend November 5th Working Group meeting and present results of 2003 / 2004 4DX monitoring.

- **UMCES Future Activities:**
  - Submit final 2003 / 2004 Monitoring Report.
  - Prepare recommendations for future monitoring in Cell 3D based on 2003 / 2004 results.

Project Status Report Form
Prepared by
Harbor Development

Total Contract Amount: $406,153

Total Amount of 11/30/04 Invoice: $20,042

Total Amount Invoiced as of 11/30/04: $156,714

Note: On the November invoice there is a credit in the amount of $6.57. This credit is a result of aggressive MES overhead reduction efforts in FY 2004. If there are additional questions, please contact the MES Project Manager

Signature/Date: David Belo 12 27 04
(Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
MPA-MES-Maryland Geological Survey (MGS) 3-Way Coastal Geology Services IGA
(This project includes no billings by MES. All MES labor associated with this contract is billed through EPATs Task 2 or the cost center the services are associated with, through prior arrangement and with approval by MPA.)

MPA Project Manager:
Dave Bibo

MES Task Manager
Cecelia L. Donovan

Assignee(s) (Consultants/Contractors):
Maryland Environmental Service
Maryland Geological Survey

Contract Period:
April 3, 1996 Through Dec 31, 2006

Budget Line #	PIN #:	Contract #:	Task #, Name:
1230	**600105-S**	**596924**	

Project Budget (Total):	Revisions:	Revision #:
$300,000 (Original)		
$600,000 (Revised Total)	$300,000	1
$900,000 (Revised Total)	$300,000	2

% Complete (Total):	% Expended (Total):
47%	**51.09%**

% Complete (Crnt. FY):	% Rem. (Crnt. FY):	Expended (Crnt. FY):	Balance:
50%	**50%**	**$0**	**$159,311.27 committed to tasks but not yet invoiced** $302,215.21 not yet committed to tasks

Project Goal(s): To provide coastal geology services to Port-related projects by the Maryland Geological Survey, with technical oversight by MES.
Project Objectives: To provide coastal geology services to the Dredged Material Management Program and Port related projects. To support environmental monitoring and documentation of MPA projects associated with Port activities, dredging projects, and environmental restoration projects and alternatives.
Project Status - Issues/Solutions (both required):

- No invoices received in October or November – MGS reviewed payments and one task appears to be incorrectly summed – this will be checked and corrected.
- One new task was identified – Task 39 – Poplar Island Sediment Quality Monitoring 2004. MES received MPA approval and sent a notice to proceed to MGS.

Signature/Date: Dave Bibo **12.27.04**
Project Manager

Project Status Report Form
Prepared by
Harbor Development

MGS-MES-MPA Three Way Agreement
MPA Contract # 596924, Pin # 600105S

Monthly Activity Report
October 2004

Task Number	Task Name	Activity
21	James Island Survey and Interpretation	No activity
23	Barren Island Acoustic Sub-Bottom Survey	No activity
24	Holland Island Acoustic Sub-Bottom Survey	No activity
25	Inner Harbor Sites Acoustic Sub-Bottom Survey	No activity
26	James Island Acoustic Sub-Bottom and Side-Scan	No activity
27	Site 170 Acoustic Sub-Bottom and Side-Scan	No activity
28	Sparrows Point Acoustic Sub-Bottom and Side-Scan	No activity
29	Poplar Island Acoustic Sub-Bottom Survey	No activity
30	HMI Anoxic Well Monitoring	No activity.
32	Sharps Island Side Scan	No activity
34	Poplar Sediment Chemistry 02/03	Pre- and Post-Isabel sediment chemistry report being revised per reviewers comments.
35	DMMP Support	No activity.
36	NOB 8-10 Resurvey	Draft report in preparation.
37	PI-Isabel Oysters	Draft report in preparation.

Date: December 27, 2004
For Period: 11/01/04 –11/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name: EPATS TASK 2 – Technical Support

Project Manager: MPA – Dave Bibo
MES - Cece Donovan

Assignee(s) (Consultants/Contractors):
MES
General Physics

Contract Period: May 1999 – June 2005

Reporting Period: November 2004

Budget Line #	PIN #:	Contract #:	Task #, Name:
1220	54000010	500912	0302 – Technical Support

Project Budget (Total):

$712,132

Revisions:	Revision #:
$ 100,000 added 8/00	1
$ 100,000 added 6/01	2
$ 100,000 added 10/01	3
$ 100,000 added 04/02	4
$ 200,000 added 09/02	5
$16,000 added 03/03	6

% Complete (Total):

Ongoing – tasks assigned as needed by MPA

% Expended (Total):

86%

% Complete (Crnt FY): **Var/Balance:**

% Expended (Crnt FY): **Var/Balance:**

Project Goal(s): To provide support to MPA for dredged material planning.

Project Objectives: To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

Project Status - Issues/Solutions: During this period, MES provided technical support to the DMMP process, and MES also continued technical support to the Corps' DMMP.

Report Period: November1 through November 30, 2004

November 2004
MES continued support to the DMMP process. A BEWG meeting was held on November 9. There will be no December BEWG meeting, but one is scheduled for January. A preliminary agenda for the January BEWG meeting has been developed.

A combined Management and Citizen's committee meeting is scheduled for Dec. 2. MES is providing technical support for that meeting, and GP will record the meeting and prepare a meeting summary.

MES continued technical coordination with UMCES for GIS mapping and assistance with GIS related impacts analysis for the Corps EIS's, performed under contract to MPA. MES continued to manage and oversee the MPA/MES/MGS Coastal Geology Services IGA for MPA; project status reports were prepared and sent for this IGA. MGS continues to provide technical support to the DMMP process through attendance at BEWG meetings and assistance with the Corps DMMP EIS process.

MES continues work on producing the 500 educational posters, as requested by MPA. The graphics file has been forwarded to the printer. Final proofs are expected in December. The printer has committed to producing the posters by the end of December. The pinch tubes have been received to insert the posters when they are delivered.

MES performed project management duties related to review, processing and recording of invoices and production of status reports.

MES continued coordination with MPA on an annual report to the Legislature on the State DMMP.

Invoiced for November: $5,950.42

Invoiced to Date up to November 30, 2004: $611,117.98

Remaining: $101,014.02

David Belo 12 27 04

Date: December 27, 2004

Project Status Report Form
prepared by
Harbor Development

Project
Open-Ended Contract for Professional Dredging, Dredged Material Placement, Site Design & Site Operations

Project Manager:
Dave Bibo

Assignee(s) (Consultants/Contractors):
Gahagan & Bryant Associates, Inc. (GBA)

Contract Period:
November 2004

Budget Line #	PIN #:	Contract #:	Task #, Name:
1340	54012010	500905	Task 4 HMI Closure

Project Budget (Total):	Revisions:	Revision #:
238,300		

% Complete (Total):	% Expended (Total):
65%	76.44%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
60%	Favorable/40%	48.89%	Favorable/51.11%

Project Goal(s.
Develop a plan for final closure of the North Cell of Hart-Miller Island Dredged Material Placement Site by FY 2009.

Project Objectives:
1. Maximize the potential capacity of the site
2. Include a cap of clean sediment as a final uniform lift of about three feet in FY 2008 & 2009
3. Coordinate with dredging contractors, MES and MPA on near term inflow episodes at HMI

Project Status - Issues/Solutions (both required):

a) Temporary Berm construction underway, b) Scheduling of new work and cap material prior to closure is a continuing need through capping and closure, c) Impacts of MDE discharge permit on placement operations is not yet defined. FY 2005 Inflow plan is under review. MPA has prepared projections of placement volumes through first half of FY 2010. The Closure Team Draft Report is in preparation. Meetings with MPA and Citizens are being scheduled for early January 2005.

Signature: David Bibo
(Project Manager)

Date: December 27, 2004

Cox Creek Dredged Material Containment Facility
Quarterly Update # 4
July – September 2004

Introduction

The Cox Creek Dredged Material Containment Facility (CC-DMCF), located in the Patapsco River in Baltimore County, is currently undergoing re-development. The facility was originally constructed in the 1960s by several different parties as a placement site for material dredged from the Baltimore Harbor. Placement stopped in the 1980s and the Maryland Port Administration (MPA) acquired the site in the 1990s with the intent to reactivate it as a DMCF for Harbor dredging projects.

Originally, the perimeter of the dike was +16 feet above sea level in the northern portion and +20 feet above sea level around the southern portion of the containment area. There are approximately 115 acres inside the dike system. The dike has since been raised, in several steps, to a uniform height of +24 feet above sea level. First, armor stone was placed around the exterior base of the dike system, and then a granular fill of recycled crushed glass was placed with clean material to create a surcharge on the softer underlying river bottom. Then, more clean material was placed to reach an elevation of +24 feet. The dikes will eventually be raised is stages to a uniformed height of +36 feet. The facility is estimated to be able to contain 6.0 million cubic yards (mcy) of dredged material, at a placement rate of 0.5 mcy per year, giving the facility a life of approximately 12 years once inflow begins.

Two spillways are under construction, one in the North Cell and one in the South Cell. The spillways will be used to release excess water from hydraulic unloading of dredged material into the facility and precipitation received at the facility. The facility is scheduled to begin receiving dredged material in the year 2005.

As a condition of permitting for the Cox Creek DMCF, the MPA was required to mitigate for the filling of 4.8 acres of open water during the placement of the armor stone and the surcharge. MPA has developed a tidal wetland project, which is adjacent to the DMCF. The project included creating 3.22 acres of new wetlands and the enhancement of 9 acres of degraded wetlands or unproductive pond area to create a 12-acre tidal ecosystem. This area is called the Swan Creek Mitigation Area.

Environmental Monitoring:

Monitoring activities at Cox Creek during the reporting period were based on correspondence and coordination with the Maryland Department of the Environment (MDE) that lead to the development of an approved storm water monitoring plan (July 2003).

During the reporting period, MES personnel collected 8-hour composite samples during storm water discharge and monitored the pH of the storm water in the Sump every two hours. The pH around the South Cell was also monitored daily. While the Hach portable kits were not consistently reliable in determining metal concentrations, they are effective in estimating ammonia concentrations, and are used three times a week to test the ammonia levels in the Sump during discharge. The Hach portable kit for ammonia is also used to determine ammonia concentrations in the Patapsco River ambient samples. Weekly Patapsco River ambient samples were collected to monitor water quality in the water near the facility. MES personnel monitored

the transfer of water from the North Cell to the South Cell and determined when quicklime would be applied to the South Cell to control low pH and high metal concentrations. MES personnel placed lime in the appropriate ponded areas.

To ensure that the storm water discharge is meeting the goals established by MDE, MES collected additional daily grab samples and coordinated a 24-hour laboratory turn around time for results to assist in making operational decisions. MES also continues to prepare and submit monthly reports to MDE documenting the metal and ammonia concentrations in the storm water that is being discharged from Cox Creek.

A mosquito control plan was developed in April, and continued during the reporting period. If large numbers of mosquito larvae are identified during weekly checks, the Maryland Department of Agriculture will be notified and spraying will be conducted around the facility. An insignificant number of mosquito larvae were found during the reporting period.

On-site sand samples, collected in April, were analyzed to determine if the material was clean enough to be used on the perimeter dikes and roads. After a review of the results, MDE approved the use of this sand for on-site construction activities.

Meetings held:
Six MES operations progress meetings were held during the quarter to discuss discharge issues and ongoing operations. There were also seven spillway construction meetings held during the quarter.

The National Aquarium of Baltimore (NAIB) and the North County Land Trust (NCLT) were on site and surveyed their one-acre plot of wetland in September. An ornithologist from NCLT was on site in September to survey the bird populations in the Swan Creek Wetland area. Bio-habitats came out in September for their company volunteer day and performed work in the Swan Creek Wetland Area.

Operations:

The MES operations group is currently conducting tasks in an effort to prepare the Cox Creek DMCF for future inflow operations. The MES operations group performed regular maintenance on all equipment and vehicles. All of the benches and roadways on site were maintained, new benches were constructed and the storm water trenches within the North and South Cells were maintained. The MES operations group repaired the inside of the dikes by filling eroded sections with stone and reclaimed material and sand that will be used for future construction activities. The operations group has also continued stripping and stockpiling the *Phragmites* within the North and South Cells and regularly cleaned up debris from the mitigation area. To augment the operations activities new equipment was procured or rented and additional union and temporary operators were hired.

The building that the MES operations group identified to be used as a mechanics shop was power washed, painted and prepared for use. A new exterior swing gate was installed on site for security purposes. Additionally, work was conducted to renovate the site storm water drainage system.

MEZ Electric installed the wiring for the new trailer in preparation for commercial power. A contract was signed with BGE to get commercial power hooked up to the site. Mahon Plumbing Company installed the water hook-ups, and the contract for the septic system was awarded to

Bayly Septic Systems. Additional work conducted on the office trailer included: installing a new phone system and a computer network, and procuring furniture and equipment to outfit the trailer.

Construction:

The contract for the construction of the spillways was awarded to Cianbro Corporation. In July, Cianbro Corporation mobilized on site and began work on the installation of the spillways. The progress and project specifications were closely monitored and evaluated.

A contract was signed with VSA, Inc. to assist with the construction of the toe of the dike, which will be the foundation for the dike raising to +36 feet. In July, VSA, Inc. mobilized on site and began work with the MES operations group on the construction of the toe of the dike.

Moffatt and Nichol continued to revise the design for the unloading pier. Moffatt and Nichol resubmitted a revised Erosion and Sediment Control plan to MDE, in response to MDE comments.

Miscellaneous:

The Swan Creek Mitigation area underwent routine beach clean up, as trash and debris from the Patapsco River were washed up into the wetland. A supplemental monitoring plan was created and implemented to further document the progress of the mitigated area and to enable corrective action in the event of erosion, plant destruction by deer and geese, etc. Preparations were made for the upcoming *Phragmites* control season and the herbicide Glypro began to be applied at the end of September.

Currently, the Cox Creek DMCF does not operate under a discharge permit. All discharge that occurs from the facility is based on MDE specified goals for storm water discharge at Cox Creek. A discharge permit was submitted to MDE for approval, for use when the facility becomes operational. The facility will not be able to receive dredged material until the discharge permit has been issued. A Public Information Meeting was held on July 22nd, at the Orchard Beach Volunteer Fire Department to discuss public concerns. After this meeting, MDE released a draft discharge permit and an official Public Hearing, hosted by MDE, was scheduled for November 9th at the Orchard Beach Volunteer Fire Department.

HART-MILLER ISLAND DMCF
QUARTERLY UPDATE #5
July - September 2004

Operations Update:

During the third quarter of 2004, Langenfelder Marine completed a State project, the Dundalk Marine Terminal, on August 11, 2004. Approximately 41,032 cubic yards (cy) of dredged material was hydraulically inflowed into the North Cell and 7,450 cy of material was mechanically unloaded by J-Way Dredging Company. Southern Maryland Dredging Company continued inflowing from a Baltimore County project, the Pleasure Island Channel. By the end of the quarter, Southern Maryland pumped 8,681 cy of sandy dredged material into the North Cell, along with 1,643 cy of material from a private project.

During the third calendar quarter of this year, the Maryland Environmental Service (MES) operations group continued reclaiming dredged material pumped from the various inflow points and near the cross dike for use in facility operations and maintenance activities. The dredged material inflow from Langenfelder and Southern Maryland was monitored at the inflow point for material buildup. The group assisted in the demobilization of Langenfelder's equipment. The bench, along the inside of the 44 ft. dike, is continuing to be raised for operations related to the closure of the site.

Upcoming:

- Southern Maryland Dredging and Langenfelder to complete dredging and inflow projects.

South Cell Restoration Environmental Restoration Project Update:

Construction work: On September 29, Geo-Con successfully tested the South Cell water distribution system, including the pumps and the rainbirds. The radio communications system has been installed for the pumping system.

Phragmites control & vegetation: MES personnel started spraying the *Phragmites* in the uplands and mudflats of the South Cell Restoration Project. Meadville Land Service (MLS) completed the replacement planting of the shrubs and saplings, and mowing of the upland area grasses.

Monitoring: Water quality samples were collected and analyzed monthly for pH, metals, and nutrients. University of Maryland Center for Environmental Science (UMCES) is continuing their interior sediment and soil quality study that commenced in March 2004.

Upcoming:

- Preparation for dedication ceremony.
- Fabrication and delivery of interpretive signage.

- Spillway 003 rehabilitation.
- Continue *Phragmites* spray in uplands and mudflats.

Monitoring Update:

Spillways 007 and 008 (previously 001B and 002A, respectively) were used at the facility during the third quarter of 2004. The water discharged from the spillways was the result of dredged material inflow and precipitation collected in the North Cell. The discharge water has continued to meet the limits set in the MDE State Discharge Permit. A total of 75 environmental monitoring samples were collected and analyzed during the monitoring period.

Upcoming:

- Final algae sampling for the season.

Other:

The DNR marshes and areas of the North Cell have been sprayed to control *Phragmites* growth. This treatment will continue into the fourth quarter.

Meetings held: Monthly Citizens' Oversight Committee meetings, progress meeting for the South Cell Environmental Restoration Project, and two North Cell Closure meetings.

HART-MILLER ISLAND DMCF
Environmental Monitoring Task Update
November 2004

Groundwater Study

Update: All monitoring and analysis for the main component of the groundwater study (dike transmissivity and water quality) has been completed. Four quarterly reports have been finalized and the subcontractor (URS) submitted the draft-consolidated report on December 4, 2003. The final report was received as expected on July 14, 2004. MGS was scheduled to submit the draft report for their component of the study on June 3. MES is continuing to work with MGS to obtain the draft report. Most recently, MES contacted MGS in November for an update on the status of the report. MGS anticipates completion in December 2004.

MES Tasks for Reporting Period:

- None

Future: MES will continue to provide updates to the HMI Citizens Oversight Committee as requested. Additionally, MES will continue to coordinate with MDE to determine whether sampling at the "old wells" can be discontinued and replaced with use of the new wells from the groundwater study. MES will continue working with the MGS to obtain the final reports.

Plan of Action (POA) to Control Low pH (EPATS Task 38)

Update: Additional subtasks were added to this task. New subtasks include activities to implement the POA for the closure of the North Cell. Under the EPATS agreement, progress on this task is detailed in a separate progress report.

Future: MES will continue to manage the implementation of the POA for the closure of the North Cell.

Vegetation (*Phragmites*) Monitoring

Update: MES continues to implement the *Phragmites* control plan for the wetland and upland areas of the South Cell. Due to *Phragmites* dormancy, spraying was completed for this season in mid-November.

MES Tasks for Reporting Period:

- Sprayed *Phragmites* is South Cell wetland.
- Ordered S. Cell seed mixture to be planted in the spring in the areas where the *Phragmites* was treated.

Future: MES will begin planning for a spring seeding in the South Cell to help control *Phragmites*. Please see additional details in the following vegetation update.

Vegetation (*Phragmites*) Monitoring – North Cell / DNR Marshes

Update: In October, *Phragmites* spraying was completed in the MD DNR marshes. During November, the North Cell spraying continued.

MES Tasks for Reporting Period:

- *Phragmites* control
- Equipment repair for *Phragmites* control equipment
- Ordered new tractor sprayer for next year's spraying season

Future: MES will continue spraying *Phragmites* in the North Cell until the plants go dormant (approximately mid November). After spraying is finished, MES will perform all necessary maintenance on the equipment and place it into storage. MES will also store the remaining herbicide and complete the appropriate reporting for herbicide usage. Prior to next year's *Phragmites* control season, MES will send suitable headquarters employees for herbicide application certification and training to provide an increased workforce for *Phragmites* management.

South Cell Monitoring

Update: One set of South Cell water quality samples was collected in November (11/24).

MES Tasks for Reporting Period:

- Water quality monitoring per HMI SCERP monitoring plan.
- Delivered water quality samples to CBL for nutrient testing (11/04).

Future: Future: MES will begin Year 1 water quality monitoring per the monitoring plan. Jeff Cornwell (UMCES) will finish the Baseline Interior Sediment & Soil Quality sampling per the monitoring plan, and conduct the last visit of this monitoring year in October. A report from UMCES on the first year of monitoring is expected in early December; the consolidated report on the first year of monitoring at the South Cell is scheduled for completion in January.

North Cell Closure / Sediment Sampling

Update: The remaining data from the North Cell sediment sampling event was received and is being reviewed and compiled into the summary spreadsheets and a report was drafted reviewing these results. A meeting for the N. Cell berm construction was held on November 22nd, the next meeting is scheduled for December 20th.

MES Tasks for Reporting Period:

- Compiled North Cell sediment results into spreadsheet and report.
- Attended temporary berm meeting on the 22nd.

Future: MES will continue to provide requested support to the HMI Closure Planning Team as requested. Since data from the 2002 shipping channel sampling event has been received, MES will compile these results and update the spreadsheets and report that was completed on the latest N. Cell sediment sampling. This report will be forwarded to MPA in January for review.

HMI Discharge Permit Renewal

Update: The new discharge permit became effective on July 1, 2004.

Future: A mixing zone study will need to be undertaken in order to keep the interim limits for ammonia, copper and zinc that were given in the draft permit. In January 2005, a status report outlining the scheduled compliance with the ammonia, copper and zinc limits is due to MDE. In June 2005, a nutrient offset plan is also required. MES will assist MPA with the nutrient offset plan, up on request.

HMI Algae Monitoring

Update: Algae sampling for 2004 was completed in October. The next sampling event will be conducted in April 2005.

MES Tasks for Reporting Period:

- Completed final algae spreadsheet for the 2004 sampling events.

Future: No activity until next sampling set in summer 2005.

Project Status Report: to 11/30/04 **Project Manager:** John Vasina

Fiscal Year 2004

No.	Line No.	PIN#	Contract #	Description
1	920	600104-B	597849	C&D Pre-Construction Eng. Design
2	930	600104-D	200001-S	Air Gap System
3	1085	600106-E	597827	Oyster Reseeding Program
4	1140	52210040	502814	Chesapeake Bay Ports System
5	1145	52160020	500829	UM Current Meter Study
6	1150	52240020	502821	UM Economic Studies
7	1180	52170020	501918	UM Ballast Water Study
8	1215	54000010	500912	Site Maint. Work at Masonville
9	1215	54000010	500912	Task #37 Masonville Expansion
10	1225	600105-S	598819	Dredged Material Recycling (Agricultural Use)
11	1255	54010740	500910	MDE Ballast Water Program
12	1340	54012010	500905	Task #7 Masonville Expansion (Kurt Iron)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
C&D Pre-Construction Engineering Design		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
U.S. Army Corps of Engineers		**04/23/97 – 09/30/02 (original)**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
920	**600104-B**	**597849**	
Project Budget (Total): **$1,250,400 (as of point of study suspension in FY '01)**		**Revisions:**	**Revision #:**
% of Work Complete (Total): **100.00% (as of point of study suspension in FY '01)**		**% Expended $ (Total):** **99.97% (as of point of study suspension in FY '01)**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
0%	**0%**	**0%**	**0%**

Project Goal(s):
To determine optimal design of the C&D Canal deepening project and to undertake an economic evaluation of the project to justify the project's implementation.

Project Objectives:
To complete the Pre-construction, Engineering and Design phase of the Chesapeake & Delaware (C&D) Canal deepening project.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **The economic evaluation, if based on the currently available information, would reflect number of negative trends that are short term in nature. Therefore, it would not constitute a suitable basis for making a long term decision pertaining to the project.**

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Solutions:

- **Secretary John Porcari recommended to Lt. Colonel Brown of the Philadelphia District Corps of Engineers in his letter of January 16, 2001 to defer consideration of the economic justification of the project until a number of additional factors can be appropriately considered. (including: Vessel operating costs; temporary decline in the number of container vessel arrivals at the Port of Baltimore; shipping industry trends, etc.). The Corps agreed to follow Secretary's recommendation and the project was postponed by three years to allow more representative, long term trends, to be considered.**
- **MPA procured consultant (Dr. John Martin) to investigate the economic feasibility and justification for C&D Canal deepening. Dr. Martin is scheduled to complete his investigations approximately in July 2004.**
- **John Martin's study was completed in September and is currently under pier review.**
- **The Corps of Engineers is in process of issue their C&D report.**

Signature/Date: 12-22-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Air Gap System		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Association of Maryland Pilots		**02/18/00 – 03/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
930	**600104-D**	**200001-S; BPO# P020616**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$219,438		**$48,764.00**	**2**
% of Work Complete (Total):		**% Expended $ (Total):**	
100.00%		**100.00%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
100.00%	**0.00%**	**100.00%**	**0.00% (favorable)**

Project Goal(s):
To ensure safety of the container ship lines that call on the Port of Baltimore through the C&D Canal. Because of the bridge over the canal at Chesapeake City, navigation is unusually difficult at certain times. This is due to the varying effects of tide, wind and wave motion, load on a ship, working depth of the water and other factors that may reduce the known clearance between the bridge and the superstructures of ships using the canal.

Project Objectives:

To upgrade, refurbish and maintain the Airdraft Monitoring System at the C&D canal.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **The contract was extended to March 31, 2004. The Board of Public Works allows two years additional extension as long as price negotiated does not exceed a 4% increase for the extended period. Determination has to be made if the new PORTS System will replace the Airdraft Monitoring System maintain by the Pilots.**

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- **Pilots raised issue with clearances under bridges in Chesapeake Bay area (Bay Bridge, Francis Scott Key Bridge)**
- **Pilots requested if the MPA could initiate request to MdTA to conduct survey of the clearances under bridges in Chesapeake Bay area.**

Solutions:

- **Contract was extended to March 31, 2004.**
- **MPA had a meeting with pilots and the representative of MdTA (Nick Deros) to discuss the issues; new surveys will be requested from the MdTA.**
- **MPA is going to issue a letter to Umesh Murthy (MdTA representative) to request the surveys.**
- **Meeting with Pilots and NOAA took place on November 7. Dave McFarland of NOAA reiterated NOAA's determination to install an air gap system under the bridge at Chesapeake City by March 31, 2004.**
- **NOAA confirmed the installation of air gap system at Chesapeake Bay bridge and at Breeze Point.**
- **The contract with pilots will expire 03/31/04.**
- **Eric Nielsen, the President of the Pilots Association was contacted for the final billings of this contract for the period 01/01/04 through 03/31/04.**
- **Maryland Pilots will submit final invoice in June 2004.**
- **The invoice from Maryland Pilots was received.**
- **The activities under this contract were fully substituted by NOAA's PORTS system.**
- **The follow up meetings were held with the representatives of NOAA and pilots in August to assure that the PORTS system covers the navigation needs.**

Signature/Date: John Vasina 12-22-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Oyster Reseeding Program		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Department of Natural Resources		**06/01/02 – 06/30/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1085	**600106-E**	**597827**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$6,500,000			
% of Work Complete (Total):		**% Expended $ (Total):**	
83.00%		**88.98%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
40%	**60%**	**0.00%**	**100.00%**

Project Goal(s):
To provide large quantities of shells for habitat restoration of oyster population in the Chesapeake Bay.

Project Objectives:

To increase oyster population in the Chesapeake Bay.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **Program was originally structured so that each dollar was awarded for each cubic yard of dredged material that was placed in an open water site in the Bay. Under the current Agreement, the MDOT contributions to the Oyster Recovery program were scheduled to end in FY '02.**
- **DNR's George Hearlth provided invoices for the FY 2003 activities in the amount of $1,625,000.**

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Solutions:

- **New Agreement was executed between MDOT and DNR that will secure funding of the program through FY 2005. Beginning in FY 2002, MDOT shall pay to DNR annual payment of $1.625M from the Transportation Trust Fund.**
- **DNR's repayment of any funds previously advanced to by MDOT is forgiven.**
- **Continuation of the program funding was re-authorized in July, 2003 by MDOT.**
- **Description of the program is being placed on the MPA web-site.**
- **Billing by DNR is expected in March 2004 for the FY 2004.**
- **DNR is being contacted (Chris Judy) to bill for FY '04 funds.**
- **DNR submitted invoice in the amount of $1.625M for FY 2004 activities.**
- **DNR also submitted report pertaining to the fund expenditures in FY 2004 as required by the MDOT/DNR Agreement.**
- **The contract will expire June 30, 2005; needs to be extended (if applicable).**

Signature/Date: John Vasina 12-22-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Chesapeake Bay Ports System		**John Vasina**	
Assignee(s) (Consultants/Contractors): The National Oceanic and Atmospheric Administration		**Contract or Task Period:** 10/25/01 – 10/25/06	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1140	**52210040**	**502814**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$1,575,650			
% of Work Complete (Total): 78.00%		**% Expended $ (Total):** 59.06%	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
45.00%	**55.00%**	**0%**	**100%**

Project Goal(s):
To support safe and efficient navigation by providing ship masters and pilots with accurate real-time information required to avoid groundings and collisions.

Project Objectives:
To design, install, manage on ongoing basis, operate, maintain, and repair NOAA's Upper Chesapeake Bay Physical Oceanographic Real-Time System (PORTS).

Project Status - Issues/Solutions (both required):

Issues:

- **New centralized voice system was implemented during the month of March, 2002. The system was installed in Silver Spring, MD, complete with full back up, and providing local (Silver Spring) and toll-free numbers to cover each PORTS.**
- **MPA needs current update of the status.**

Solutions:

- **MPA executed an Addendum to the contract to finance operation and maintenance in FY '04 (cost: $215K);**

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- **MPA approved the new centralized voice system on February 20, 2002.**
- **The toll free number assigned to the PORTS Chesapeake Bay site is (866) 247-6787**
- **Richard Permenter of NOAA gave the update at Harbor Coordination & Safety Committee meeting on October 2, 2002.**
- **Meeting took place in May with NOAA and Md. Pilots to discuss issues pertaining to PORTS system in the Chesapeake Bay.**
- **Richard Permenter is permanently retiring in August, 2003. David MacFarland became new NOAA PORTS Program Manager.**
- **Kate Bosley is working full-time in another program and she is no longer involved in PORTS activities.**
- **Meeting with Md. Pilots and NOAA took place on November 7, 2003. Dave McFarland of NOAAA discussed issues with MPA and Pilots that were raised by Pilots before retirement of Rich Permenter of NOAA.**
- **PORTS system begin fully implemented in the Chesapeake Bay area in February, 2004**
- **There is a plan for celebration of the implementation of the system at the Secretary's level with NOAA.**
- **MPA Office of Communication will continue planning of the celebration; per Darlene Frank, this task will be assigned to other communications personnel after departure of Richard Berkow.**
- **MPA contacted NOAA in May pertaing to the FY 2004 O&M invoice. NOAA will provide MPA with approximately $215K invoice in June 2004.**
- **Meeting is planned for July, 2004 with NOAA, Maryland Pilots and MPA to discuss issue pertaing to safety navigation in the Chesapeake Bay.**
- **MPA accrued the $215K expenditures for FY 2004.**
- **The new Addendum to the Agreement for 2004 was executed in September, 2004.**
- **Marty Welch of NOAA was contacted at (301) 713-2897, ext. 129 in October, 2004 to obtain an accrued bill from NOAA to cover 2004 cost of maintenance of the system.**

Signature/Date: John Vasina 12-22-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
UM Current Meter Study		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland		**05/31/00 – 06/30/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1145	**52160020**	**502829**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$553,701			
% of Work Complete (Total):		**% Expended $ (Total):**	
83.00%		**75.76%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
45.00%	**55.00%**	**17.80%**	**82.20% (favorable)**

Project Goal(s):
To enhance the present shipboard-based Monitoring Program with continuous data to aid the detection of long term change in the Bay ecosystem and to forecast water levels currents and weather over the Chesapeake Bay area that will assist in vessel navigation and environmental work for the State's dredged material management program.

Project Objectives:
The purpose of this contract is to allow the University of Maryland Center for Environmental Studies to consult, deploy and maintain a Chesapeake Bay Observing System (CBOS) for the MPA.

Project Status - Issues/Solutions (both required): No additional issues since October 2004 report.

<u>Issues:</u>

- **The final report will be delivered on or before September 30, 2005 to the MPA. MPA will request interim progress report at the end of the FY 2002.**

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Solutions:

- **MPA will contact Dr. William Boicourt in Spring, 2003 to request the interim progress report.**

Signature/Date: John Vasina 12-22-04
(Project Manager)

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Project Name:		**Project Manager:**	
UM – Economic Studies		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland (Dr. Dennis King)		**02/01/02 – 01/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1150	**52240020**	**502821**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$457,690		**$249,750; $320,879**	**2**
% of Work Complete (Total):		**% Expended $ (Total):**	
82.00%		**71.52%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
45.00%	**55.00%**	**28.62%**	**71.38% (favorable)**

Project Goal(s):
To support selection of the dredged material placement sites to be included in the Governor's Strategic Plan for dredged material management .

Project Objectives:
To create an economic model that would address comparison of the costs, risks, and benefits of dredged material management options.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **MPA requested report for the work done to date.**
- **Dr. King asked for the Amendment to the contract to continue work to January 31, 2004.**
- **Dr. King requested meeting with MPA to discuss issues pertaining to the cost/benefit ratios allocations for the DMMP suggested placement options, the Inner Harbor sites economic issues, and the issues pertaining to the economic study of the ballast water issue.**

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Solutions:

- **Dennis King delivered the requested report in April, 2003.**
- **MPA approved Amendment #1 in December 2002.**
- **Several meetings took place in October to address economic issues pertaining to the Strategic Plan.**
- **Dr. King submitted to MPA proposal of the scope of work, under the Amendment #2 to the existing contract, to continue work in Year 3 on the project.**
- **Amendment #2 to the contract was executed in December 2003 for $320,879 with time extension to 01/31/05.**
- **Meetings with Dennis King and MPA take place each month to discuss the issues pertaining to the Corps' economic analysis and other economics issues related to DMMP program.**
- **Dr. King's staff is involved in economic analysis of the Poplar Island expansion; the meeting with the Corps are scheduled to take place in May.**
- **Various frequent meetings are scheduled to discuss Corps DMMP and prepare presentations and analysis.**
- **Dr. King's staff is working with MES on economics analysis for Mid-Chesapeake Bay and Poplar Expansion projects.**
- **Dr. King is also working on the expansion of Dr. Martin's report pertaining to C&D cost/benefit justification study.**
- **Dr. King will meet with us in November to discuss work in 2005.**
- **Amendment #4 is in process.**

Signature/Date: John Vasina 12-22-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
UM Ballast Water Study		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland		**09/01/00 – 12/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1180	**52170020**	**501918**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$673,277		**$308,697; $99,984**	**2**
% of Work Complete (Total): **85.00%**		**% Expended $ (Total):** **97.80%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
60.00%	**40.00% (favorable)**	**8.81%**	**91.19% (favorable)**

Project Goal(s):
To identify improved methods for ballast water treatment and management and prevention of boat transport of invasive species.

Project Objectives:
To conduct realistic shipboard trials of methods for the treatment of ballast water, with specific emphasis on the Chesapeake Bay. The primary (voraxial separator) and secondary (ultraviolet irradiation and chemical biocide) treatments to be rigorously tested in the ballast tanks of an ocean going commercial vessel in Baltimore Harbor under normal ballasting conditions.

Project Status - Issues/Solutions (both required):
<u>Issues:</u>

- **Additional work is necessary to probe various issues pertaining to the measurement of the particulate separatory efficiency of the primary treatment (voraxial separator) and of the viability of bacteria, zooplankton and phytoplankton subjected to both primary and secondary treatments and other issues that arised during the course of study which need to be addressed in order to successfully complete the ballast water study.**

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- **The new system is being currently installed on Cape Washington by Dr. Wright and his technical support (Hyde Marine, Inc. and General Shipyard Co.) There are issue with possible deployment of the ship in Persian Gulf.**

Solutions:

- **First Amendatory Agreement to the contract was approved in December 2002 for additional funding of $308,697 with the term extended to December, 2004.**
- **Meeting between MPA and UMCES was held in September, 2002 to address issues pertaining to the Amendment.**
- **University of Maryland was requested to provide MPA with a statement of absence of conflict of interest due to principal investigators (Drs. Wright & Dawson) having patent with C-Clean.**
- **The Phase II of the study will be conducted using the same technology (Maritime Solutions, Inc. microfugal separator) provided it is functional.**
- **The Phase II will take place on the MARAD ship (other than Cape May) docked in the Port of Baltimore. The MARAD ship was not allocated to the project as of February 28, 2003.**
- **Trip was made to Flemington, NJ to observe Maritime Solutions' separator in February 2003.**
- **Several meetings are scheduled for June and July to coordinate work of UM**
- **Maritime Solutions, Inc. withdrew from the joint project with UM to pursue testing of their own system.**
- **Drs. David Wright and Roger Dawson, along with project partner Thomas Mackey of Hyde Marine, Inc. presented the results of their earlier work at the 2nd International Ballast Water Treatment R&D Symposium held at the headquarters of the International Maritime Organization (IMO) in London on July 21-23, 2003.**
- **The University of Maryland started to publish a periodical pertaining to the ballast water issues.**
- **UM together with Hyde Marine, Inc. will install experimental treatment system on the board of Cape Washington by the end of November, 2003.**
- **Dr. Wright submitted preliminary proposal for the extension of the contract to MPA in December 2003. (The proposal is currently being reviewed by MPA).**
- **Debbie Aheron of MARAD is discussing details of work with Dr. Wright and both parties try to set up contingencies for possible deployment of the Cape Washington to the Persian Gulf.**
- **Cape Washington was deployed in Gulf war; MPA and UM are looking for temporary placement of the equipment off shore to continue with the study.**
- **Negotiations are in process to place the equipment and continue with the study at MPA's Clinton Street location.**
- **Meeting is scheduled for July 2004 with MPA management to discuss the project in general, ROE, and the amendment to the contract.**
- **ROE was approved in July 2004**

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- **Contract Amendment to proceed with Phase I of the new study cycle was signed in December, 2004.**

Signature/Date: John Vasina 12-22-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Site Maintenance Work at Masonville		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Maryland Environmental Service		**09/09/02 – 12/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1215	**54000010**	**500912**	**35**
Project Budget (Total):		**Revisions:**	**Revision #:**
$657,378		**$33,599**	
% of Work Complete (Total): **97.0%**		**% Expended $ (Total):** **97.75%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
91.00%	**9.00% (favorable)**	**48.54%**	**51.46% (favorable)**

Project Goal(s):

To condition the site for further development in support of terminal operations .

Project Objectives:

To suppress phragmites and provide rough grading of the inner harbor Masonville site.

Project Status - Issues/Solutions (both required):

Issues:

- **The scope of work incorporates use of aerial applicator and extensive rental of heavy equipment.**

Solutions:

Active grading and clearing is occurring, with five pieces of equipment in use today. Where grading has occurred, the phragmites growth appears to be mostly controlled. Approximately 50% of the site is graded, and an additional 20% has been cleared and is in the process of being graded. Spraying of approximately 16 acres occurred on July 15, 2003. It is anticipated that this spraying will kill the phragmites

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above ground growth, but only provide minimal killing of the roots. Jim Sammis of WeedPro informed us that we may not see signs of the Phragmites dying off for 7-10 days, but the plants will begin to translocate the herbicide within 24 hours and this will start the dying process. MES observed signs of yellowing on some of the sprayed phragmites. MES will continue to clear and grade the site including the newly sprayed phragmites. All phragmites as well as the root mat are to be hauled off site to the Quarantine Road landfill. All reasonable effort will be made to remove any phragmites roots and above ground material from the site and not buried on site. Once the site is graded, no spraying will occur until September when the phragmites is fully tasseled. At this time, WeedPro will perform an aerial spray of the entire site at the most appropriate time to kill the phragmites roots and plants.

MES is still looking at completion of grading by the end of July, with the exception of the north side where stabilization still needs to occur. Luis has forwarded a sketch of the areas in need of stabilization. MNE has forwarded specifications for stone and geogrid to David Ferguson who is pursuing costs to provide MPA and MNE with a cost to stabilize these two areas.

Craig Huntley of MES first met Ken at the cell 5 site to discuss boring locations. EBA expects to be on site the end of next week and will be using an ATV for accessing the boring sites. Larry Walsh met us to see the site as well. JMT has previously staked out the existing pipe to make locating the alignment easier.

On phase II, the entire site is graded and rolled, except for the northern end that still needs to be stabilized. David Ferguson is to get Craig cost estimates as well as a record of available funds in the contract. Once we have this information, we can determine how much can be stabilized within the existing funding. A final survey needs to be done on the site, but this should wait until the site is fully stabilized. This is the same area where URS is planning SWM and we will coordinate with their plans.

The phragmites are coming back in some areas, but not heavily or to the point of tufting. If spraying is put off as late as possible, this would be around the third week of October. According to Jim Sammis and everyone else Craig have spoken to, unless the Phrag is tufting, there will not be full translocation to the roots. Because of this, and the fact that the phrag is very thin throughout the site. It appears that the most practical approach is to schedule spraying from a truck or with backpack sprayers and to not use aerial spraying. Once this is agreed upon, we need to let Jim Sammis of Weedpro know, so he can schedule accordingly.

Possible new phase of the project could be implemented to accommodate terminal for Mercedes Benz.

Signature/Date: John Vasina 12-22-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Masonville Expansion		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Maryland Environmental Service		**07/15/03 – 12/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1215	**54000010**	**500912**	**37**
Project Budget (Total):		**Revisions:**	**Revision #:**
$178,675		**$20,000; $273,059**	**2**
% of Work Complete (Total): **40.0%**		**% Expended $ (Total):** **28.46%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
65.00%	**35.00% (favorable)**	**43.73%**	**56.27% (favorable)**

Project Goal(s):
Preliminary engineering assessment and design for the Masonville Dredged Material Containment Facility.

Project Objectives:
Preliminary design analysis for an expansion of the existing DMCF incorporating features that will facilitate cell closure and conversion and integration into the MPA's Masonville Marine Terminal operation.

Project Status - Issues/Solutions (both required):
Issues:

- **Unanticipated need to design a repalacement of approximately 500 linear feet of 42-inch corrugated metal storm drain pipe which has collapsed at the Masonville site.**

Solutions:

- **Additional funding of $20K was approved on August 12, 2003.**
- **Meeting was held on October 27 with MPA's Engineering Department and**

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Moffatt & Nichol Engineers to discuss additional study needs; specifically, additional borings needed to locate sand borrow areas.

Signature/Date: John Vasina 12-22-04
(Project Manager)

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Project Name:		**Project Manager:**	
Dredge Material Recycling (Agricultural Use)		**John Vasina**	
Assignee(s) (Consultants/Contractors): University of Maryland - Wye Agricultural Laboratory/MES		**Contract or Task Period:** 09/01/97 – 12/31/06	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1225	**600105-S**	**598819**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$384,835			
% of Work Complete (Total): 92.00%		**% Expended $ (Total):** 86.08%	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
50.00%	**50.00%**	**4.16%**	**95.84% (favorable)**

Project Goal(s):
To make preliminary recommendation that the agricultural use of dredge material is either viable option to be considered for Governor's Strategic Plan for Dredged Material Placement or it should not be considered for the inclusion in the Plan. .

Project Objectives:
To address the benefit created through improving unproductive land (farmland). Additional objective is to quantify the value of unproductive farmland vs. the improved value of the land if dredged material increases agricultural yields.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **Need to quantify volume of dredged material that can be realistically applied to the farmland.**
- **Need for assessment of the viability of this option for the Governor's Strategic Plan.**

Need to extend the contract beyond 12/31/02.

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- **MES have scanned Ken Staver's report in as an adobe acrobat pdf file, so whenever MPA decides to distribute to any citizen or other DMMP committees, MES can do that electronically or as a paper file report.**

Solutions:

- **Dr. Ken Staver of University of Maryland gave a presentation on agricultural applications at the Dredged Material Management Program Citizens Advisory Committee meeting on January 9, 2002.**
- **HMI Citizens Oversight Committee visited Wye Institute on August 20, 2002. Dr. Ken Staver gave the tour and presented lecture to the Committee.**
- **MES submitted requested and MPA approved no cost extension to December 31, 2006.**
- **Dr. Ken Staver (principal investigator) will a report to MPA in November, 2003 so the MPA can evaluate viability of this dredged material placement option for the Governor's Strategic Plan.**
- **Meeting with Dr. Staver and MES took place in November, 2003 and the initiation of the new plan for further enhancing the project was approved by MPA. Dr. Staver and MES will present the MPA with the plan in February 2004.**
- **The Wye Agricultural Research Center report was accepted in December, 2003.**
- **A meeting with MPA was held in December to discuss future actions.**
- **A meeting was [planned for February 12 for MES and Wye to develop the requested proposal for future activities with MPA requested a proposal detailing future activity. MES is requesting the ability to allocate $5,000 for laboratory analysis by Wye of recycling project soil samples. Money is available in the budget for this.**
- **MES continues to work on a draft proposal for MPA review for future work. Cece Donovan talked to Ken Staver on March 31 about proposal elements for Wye and set target completion date for a proposal. MES will follow up in July.**
- **Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August1.**
- **MES will submit proposal for new phase of the study in Dcember, 2004.**

Signature/Date: John Vasina 12-22-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Dredge Material Recycling (Agricultural Use)		**John Vasina**	
Assignee(s) (Consultants/Contractors): University of Maryland - Wye Agricultural Laboratory/MES		**Contract or Task Period:** 09/01/97 – 12/31/06	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1225	**600105-S**	**598819**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$384,835			
% of Work Complete (Total): 92.00%		**% Expended $ (Total):** 86.08%	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
50.00%	**50.00%**	**4.16%**	**95.84% (favorable)**

Project Goal(s):
To make preliminary recommendation that the agricultural use of dredge material is either viable option to be considered for Governor's Strategic Plan for Dredged Material Placement or it should not be considered for the inclusion in the Plan. .

Project Objectives:
To address the benefit created through improving unproductive land (farmland). Additional objective is to quantify the value of unproductive farmland vs. the improved value of the land if dredged material increases agricultural yields.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **Need to quantify volume of dredged material that can be realistically applied to the farmland.**
- **Need for assessment of the viability of this option for the Governor's Strategic Plan.**

Need to extend the contract beyond 12/31/02.

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Harbor Development

- **MES have scanned Ken Staver's report in as an adobe acrobat pdf file, so whenever MPA decides to distribute to any citizen or other DMMP committees, MES can do that electronically or as a paper file report.**

Solutions:

- **Dr. Ken Staver of University of Maryland gave a presentation on agricultural applications at the Dredged Material Management Program Citizens Advisory Committee meeting on January 9, 2002.**
- **HMI Citizens Oversight Committee visited Wye Institute on August 20, 2002. Dr. Ken Staver gave the tour and presented lecture to the Committee.**
- **MES submitted requested and MPA approved no cost extension to December 31, 2006.**
- **Dr. Ken Staver (principal investigator) will a report to MPA in November, 2003 so the MPA can evaluate viability of this dredged material placement option for the Governor's Strategic Plan.**
- **Meeting with Dr. Staver and MES took place in November, 2003 and the initiation of the new plan for further enhancing the project was approved by MPA. Dr. Staver and MES will present the MPA with the plan in February 2004.**
- **The Wye Agricultural Research Center report was accepted in December, 2003.**
- **A meeting with MPA was held in December to discuss future actions.**
- **A meeting was [planned for February 12 for MES and Wye to develop the requested proposal for future activities with MPA requested a proposal detailing future activity. MES is requesting the ability to allocate $5,000 for laboratory analysis by Wye of recycling project soil samples. Money is available in the budget for this.**
- **MES continues to work on a draft proposal for MPA review for future work. Cece Donovan talked to Ken Staver on March 31 about proposal elements for Wye and set target completion date for a proposal. MES will follow up in July.**
- **Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August1.**
- **MES will submit proposal for new phase of the study in Dcember, 2004.**

Signature/Date: John Vasina 12-22-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
MDE Ballast Water Program		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Maryland Department of the Environment		**01/31/03 – 01/01/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1255	**54010740**	**500910**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$161,000		**$0**	
% of Work Complete (Total):		**% Expended $ (Total):**	
76.00%		**76.05%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
45.00%	**55.00% (favorable)**	**0.00%**	**0.00% (favorable)**

Project Goal(s):
Implementation of reporting of information by maritime industry to MDE about ballast water. (Maryland legislation enacted in 2000 created an enforceable requirement for the maritime industry).

Project Objectives:
MPA's funding support helps MDE to start the program, draft and promulgate regulations, and set up the ongoing reporting framework.

Project Status - Issues/Solutions (both required):
Issues:

- **Program was originally funded from MPA's operating budget.**

Solutions:

- **Approval has been received from Secretary Porcari to amend the existing MOU between MPA and MDE (Contract No. 500910) and allow MDE to conduct work in support of MDE's ballast water program under this contract.**
- **MDE is submitting quarterly reports.**

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- **MDE's ballast water program regularly update and maintain a ballast water database that is used to collect information about ballast water report forms, ships that enter and depart the State of Maryland, contact information and compliance tracking. MDE is sending compliance verification letters to shipping agents of vessels that did not send in report forms at the end of each month. For example, in 2003, the average compliance rate (prior to receipt of compliance verification letters) was 71%. However, the average compliance rate (after receipt of compliance verification letter) climbed to 94%.**

Signature/Date: John Vasina 12-22-04
(Project Manager)

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Project Name:		**Project Manager:**	
Professional Dredging Engineering		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Gahagan & Bryant Associates, Inc.		**11/25/02 – 12/11/03**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1270	**54012010**	**500905**	**#7– Masonville Expansion (Kurt Iron & Metal)**
Project Budget (Total):		**Revisions:**	**Revision #:**
$36,500			
% of Work Complete (Total):		**% Expended $ (Total):**	
100.00%		**51.76%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
100.00%	**0.00% (favorable)**	**0%**	**100% (favorable)**

Project Goal(s):
To conceptually evaluate new inner harbor facility or facilities for the placement of maintenance and new work dredged materials from the inner harbor sites.

Project Objectives:
Prepare preliminary plans and cost estimates for the alternatives developed. GBA's deliverables will include plan drawings, construction costs estimates, owner costs associated with filling activities, site capacity and containment construction and filling schedules bracketed to capture both the fastest and the most cost effective means of recovering the land.

Project Status - Issues/Solutions (both required): No additional issues since October 2004 report – Task Completed.

<u>Issues:</u>

- **It is necessary to promptly gather information pertaining to these potential dredged material placement sites in order to place them as a possible options for**

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consideration in Maryland's Dredged Material Management Plan.

Solutions:

- **A preliminary draft series of plan drawings, tables, charts and schedules were submitted by GBA within 14 days of authorization to proceed with this work (November, 2002).**

Signature/Date: John Vasina 12-22-04
(Project Manager)

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Project Name: **Analysis of Emissions from Ship & Port Operations – Study Phase II**
Task #, Name: **#15, Analysis of Emissions from Ship & Port Operations – 2ndPhase**

Project Name:	**MPA Project Manager:**
Analysis of Emissions from Ship & Port Operations – Third Phase (This project is included under MES Open Ended Consulting EPATS)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service/Edwards & Kelcey (E & K)	**12/15/00-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	#15, Anal. Of Emissions from Ship & Port Ops. –3rd Phase

Project Budget (Total):	Revisions:	Revision #:
$161,952	$55,028	3

% Complete-Work (Total):	% Expended (Total):
67%	67.23%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
6%	94%	5.68%	94.32%

Project Goal(s):

- To produce a report on air emissions from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from shop and MPA operations in the Port of Baltimore.
- To produce a report on possible demonstration scale implementation of catalytic after-treatment technologies on tugboats operating in the POB: and to investigate idle reduction technologies for intermodal trucking operations serving the POB.

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Project Name: **Analysis of Emissions from Ship & Port Operations – Study Phase II**
Task #, Name: **#15, Analysis of Emissions from Ship & Port Operations – 2ndPhase**

Project Objectives:

- To gather information on air emissions from Port activities.
- To investigate and identify possible targets for reductions in air emissions from Port activities.
- To produce reports that can be management tools in identifying objectives and criteria to reduce emissions from Port activities.

Project Status – Issues/Solutions (both required):

- Andrew Parker contacted MES and requested that the start dates for the Phase III pilot study surveys be delayed to enable MPA to complete identifying the representatives of the tugboat and trucking industries. MES responded that this was acceptable, but that the overall schedule should be tracked, as there is currently a February task completion date identified in the original Task approval from MPA. If that February date is going to change, MPA will also need to approve the schedule change.
- Andrew Parker has not contacted any further Port entities in November.
- MES prepared a meeting summary edits were incorporated in November, it will be sent in early December.

Signature/Date: 01/06/05
(MPA Project Manager)

Project Status Report Form
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Project Name: APG General Reconnaissance
Task #, Name: #32 – APG General Reconnaissance

Project Name:
APG General Reconnaissance
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service/Andrews, Miller & Associates, Inc.

Contract Period Relevant to this EPATS Task:
4/25/02 - 6/30/05

Budget Line #	PIN #	Contract #	Task #, Name:
1215	5400010	500912	#32, APG General Reconnaissance

Project Budget (Total):

$271,849

Revisions: **Revision #:**

% Complete-Work (Total):

99%

% Expended (Total):

96.16%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
99%	1%	20.51%	79.49%

Project Goal(s):

- Place dredged material at the site as a natural resource for protecting valuable environmental habitat and from further shoreline erosion.
- General reconnaissance of the Aberdeen Proving Ground area to develop information regarding environmental and coastal conditions and unexploded ordinance and hazardous materials issues, identify land and water areas that are potentially suitable for use as dredged material placement sites.

Project Objectives:

- To conduct/develop a reconnaissance level of study of land and water areas within the boundaries of Aberdeen Proving Ground (APG) that are potentially suitable as dredged material placement sites with emphasis on water areas in the Chesapeake Bay and tributaries and on land areas with riparian access or otherwise accessible from the APG shoreline.

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Project Name: APG General Reconnaissance
Task #, Name: #32 – APG General Reconnaissance

- Identify and characterize the types, conditions, and prospective locations in composite format of hazardous and toxic materials that may be encountered.
- Identify and characterize the types, ages, conditions and prospective locations in composite format of UXO that may be encountered.

Project Status – Issues/Solutions (both required):
Issues

- Tasks 1-4 of the AMA contract are complete. This includes: the determination of APG Military and Superfund Status Relative to Dredged Material Management; Environmental Conditions Reconnaissance; Hazardous Materials and UXO Reconnaissance and Preliminary Risk Assessment; and Coastal Engineering Reconnaissance. Still underway are the preparation of the final report, supplemental tasks as assigned and general project and task management. Upon completion of the final report, the ten project objectives listed above shall be met.

- For Task 5, The Reconnaissance Study of Environmental Conditions at APG, UXO and Hazard Analysis in the Chesapeake Bay, and Coastal Engineering Reconnaissance Study for APG was finalized in October and MES submitted the two copies of the Final report on October 26, 2004. Upon receipt, MPA requested electronic copies of the report. This request was passed on to the contractor and the electronic copies are expected in December.
- Note that on November invoice there is a credit in the amount of $19.58. This credit is a result of aggressive MES overhead reduction efforts in FY 2004. If there are additional questions, please contact the Project Manager.
- MPA requested electronic copies of the final report.
- MPA requested electronic copies of the final report.
- The most recent invoice received for this project was on 11/30/04.

Signature/Date: 01/04/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

Project Name:	**MPA Project Manager:**
Hart-Miller Island Ph Study	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service	**2/01/03-12/31/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1215	54000010	500912	#38, Hart-Miller Island Ph Study

Project Budget (Total):	**Revisions:** **Revision #:**
$234,173	
% Complete-Work (Total):	**% Expended (Total):**
80%	**46.56%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
80% (Adjusted to reflect additional subtasks added August 2004)	**20%**	**41.46%**	**58.54%**

Project Goal(s):

- To review existing and potential conditions in dredged material containment that may cause acid forming conditions and to assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control the acid forming conditions.

Project Objectives:

- To identify and assess existing and potential conditions that may cause acid forming conditions at HMI.
- To identify and assess dredging and dredged material containment operations that may cause acid forming conditions at HMI.
- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.

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Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

- Identify and assess the suitable solutions for the management and control of acid forming conditions; and to identify and assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control Ph formations.

Project Status – Issues/Solutions (both required):

Issues

- North Cell Closure Scenario Report will not be completed in October due to the timeline of the component information, such as the filling plan.

Solutions

- Report due date revised to December 2004, as discussed at the October 26th team meeting. Completion of the Report is still pending submission of all information from the project team.

Other MES Activities

- Prepared October progress report and reviewed client invoice for accuracy.
- Coordinated with subcontractor in preparation for November submittals and meetings, and planning for the North Cell closure scenario report.
- Attended North Cell Closure Team (NCCT) meeting November 16th.
- Provided comments on draft Closure Scenario Report outline.
- Prepared action items and meeting summary for November 16th meeting.

Contractor (M&N / OAS) Activities:

- Continued working on Closure Scenario Report
- Prepared draft outline of Closure Scenario Report – "Development of Potential Closure Options for North Cell Hart-Miller Island Confined Placement Site."
- Attended November 16th NCCT meeting.

Future Activities:

- MES will coordinate and facilitate and the next NCCT conference call tentatively scheduled for January 7th.
- MES will continue to manage M&N and OAS in the development of the closure plan scenario document to be finalized in December.
- M&N and OAS will continue developing the North Cell Closure Scenarios.

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Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

- MES, M&N and OAS will attend the NCCT meeting on January 11th and the HMI COC meeting on January 18th.

Signature/Date: 01/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:

Poplar Island Expansion Feasibility Study
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period:

08/01/03-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	Task #44, Poplar Island Expansion Feasibility Study

Project Budget (Total):

$110,001

Revisions: **Revision #:**

% Complete-Work (Total):

56%

% Expended (Total):

55.23%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
56%	44%	32.16%	67.84%

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

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Project Name: Poplar Island Expansion Feasibility Study
Task #, Name: #44, Poplar Island Expansion Feasibility Study

Project Status – Issues/Solutions (both required):

Subtask 44.1 Task Planning, Technical, Environmental and Administrative Services for the Poplar Island Expansion Project Management Plan Feasibility Studies (MES)

- On November 8th, MES received EA's status report.
- MES helped prepare for and attend the PDT meeting on November 18th. MES also prepared a meeting summary for this meeting.
- On November 15th, MES submitted final minutes from the October 21st meeting to the team.
- On November 15th, MES submitted the monthly status report to MPA.

Future Work Anticipated in November:

- On December 1st, MES will submit draft minutes from the November 18th meeting to the team for review/comment.
- MES will submit a monthly status report to MPA mid-December.
- MES will prepare for and attend the team meeting on December 16th. MES will also record minutes for this meeting.
- MES will inquire to MPA about future anticipated work for EA and the possible need for more funding.

Subtask 44.2 Poplar Island Expansion Feasibility Project Management Planning Support (EA/GBA)

- On November 8th, EA submitted the monthly status report to MES.
- EA staff addressed some minor technical questions.
- EA attended the team meeting on November 18th.

Future Work Anticipated in December:

- EA will attend the next team meeting scheduled for December 16th.

Note that on the November invoice there is a credit in the amount of $40.74. This credit is a result of aggressive MES overhead reduction efforts in FY 2004. If there are additional questions, please contact the Project Manager.

Signature/Date: Nathaniel K. Bon 01/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Characterization of Sediments, New Work Projects – Inner Harbor
(This project is included under MES Open Ended Consulting EPATS), Task #45

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
01/01/04-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1215	5400010	500912	#45, Character. Of Sediments, New Work Projects- Inner Harbor

Project Budget (Total):

$353,166

Revisions: **Revision #:**

% Complete-Work (Total):

85.00%

% Expended (Total):

51.27%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
85.00%	15.00%	44.91%	55.09%

Project Goal(s):
Characterize the harbor sediments in the Dundalk Marine Terminal (DMT), Seagirt, and Masonville Terminal New Work Areas. This characterization will identify the physical, chemical and cap related test properties to identify the quality of the sediments. These results from this characterization will be evaluated to determine appropriate placement options.

Project Objectives:
1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;

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Project Name: **Characterization of Sediments, New Work Projects – Inner Harbor**

Task #, Name: **#45, Character. of Sediments, New Work Projects- Inner Harbor**

3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.

Project Status- Issues/Solutions (both required):

- On October 25th, MES staff attended the HMI North Cell Closure meeting at MPA. At this meeting MES updated the group on the status of the volume calculation performed at the Seagirt area and appraised the group on future investigations and delineations.

- During the month of November MES and EA provided information requested by GBA regarding HMI North Cell closure. The SOW for the additional work was submitted to MPA and approved on November 24, 2004. The contract for this work is being prepared internally and is expected to be awarded in December.

- Note that on November invoice there is a credit in the amount of $26.34. This credit is a result of aggressive MES overhead reduction efforts in FY 2004. If there are additional questions, please contact the Project Manager.

- The last invoice received on this project was on 11/30/04.

Issues:

- No Issues.

Signature/Date: 01/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek Permit Assistance
Task #, Name: #52 – Cox Creek Permit Assistance

Project Name:
Cox Creek Permit Assistance
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
10/21/04 - 06/30/05

Budget Line #	PIN #	Contract #
1215	5400010	500912

Task #, Name:
#52, Cox Creek Permit Assistance

Project Budget (Total):

$58,077

Revisions: **Revision #:**

% Complete-Work (Total):

5%

% Expended (Total):

0.04%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
5%	95%	0.04%	99.96%

Project Goal(s):
Provide assistance with permit provisions addressed within the Cox Creek Discharge Permit, particularly Special Condition S – Groundwater study.

Project Objectives:
1. Develop a plan to verify that offsite groundwater conditions will not be impacted by the operations of a dredged material containment facility.
2. Develop a groundwater study plan;
3. Develop a groundwater water report;
   Based on the findings of the groundwater study plan, the groundwater report, and MDE feedback, perform groundwater monitoring and reporting

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Project Name: Cox Creek Permit Assistance
Task #, Name: #52 – Cox Creek Permit Assistance
Project Status – Issues/Solutions (both required):
Issues

- The Cox Creek permit assistance task began with the attendance of the public hearing held on November 9, 2004. MES staff provided preparatory assistance and technical assistance for this public hearing. The public hearing was successful and the final permit is expected from MDE in December 2004. The development of the groundwater study plan shall commence upon arrival of the final State discharge permit.
- No outstanding issues.

Signature/Date: 01/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Name:	**MPA Project Manager:**
IGA– Mid Bay Island Study (James Island) Env. Field Studies & Sons. Env. Rep., Task #3	Nathaniel K. Brown
Assignee (s) Consultants/Contractors):	**Contract Period Relevant to this EPATS Task:**
Maryland Environmental Service	11/01/02-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1175	52280020	504804	#3, Env. Field Studies & Cons. Env. Rep. (James Island)

Project Budget (Total):	**Revisions:** **Revision #:**
$335,931	
% Complete-Work (Total):	**% Expended (Total):**
85%	79.25%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
80%	20%	49.40%	50.60%

Project Goal(s):

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

Project Objectives:

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **IGA – Mid Bay Island Study (James Island)**
Task #, Name: **#3 – Env. Field Studies & Cons. Env. Report (James Island)**
Project Status – Issues/Solutions (both required):

Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)
Subtasks 3.1 – 3.8 (James Island):
Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- MES received updates from Harms on the progress of the reports.
- On November 1st, MES received copies of the Draft James Consolidated report. MES reviewed/commented on this report.
- At MPA's request, MES submitted land records research for James Island to the Corps on November 3rd.
- MES received an October status report from Harms on November 4th.
- On November 9th, MES submitted the Draft James Consolidated report to MPA/Corps for review/comment.
- MES submitted the October status report to MPA on November 15th.
- MES received comments from MPA on the Draft James Consolidated report.

Future Work Anticipated in December:

- MES will submit a copy of the Final Supplemental report to the pound net owners that requested a copy of the pound net results.
- MES will submit the November status report to MPA in Mid-December.
- MES will receive comments from the Corps on the Draft James Consolidated report.

Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Harms communicated via email and phone with MES regarding study progress and updates.
- Harms submitted a monthly status report to MES on November 4th.

Future Work Anticipated in December:

- Harms will receive comments on the Draft Consolidated report.

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report

Future Work Anticipated in December:

- Task is completed. No further activity to report.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **IGA – Mid Bay Island Study (James Island)**
Task #, Name: **#3 – Env. Field Studies & Cons. Env. Report (James Island)**

Signature/Date: _____
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Name:	**MPA Project Manager:**
IGA – Mid Bay Island Study (Barren Island Environmental) Task #3 (0313)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period Relevant to this EPATS Task:**
Maryland Environmental Service	**4/18/03-12/31/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1175	52280020	504804	#3 (0313), Barren Island Environmental

Project Budget (Total):	Revisions:	Revision #:
$433,482	$94,486	1

% Complete-Work (Total):	% Expended (Total):
95%	91.02%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
90%	10%	42.59%	57.41%

Project Goal(s):

- To conduct the feasibility level study of restoration of Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Objectives:

- To determine the feasibility of placing dredged material to restore Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental
Project Status – Issues/Solutions (both required):
Subtasks 3.9 – 3.16 (Barren Island):

Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)

- MES continued to coordinate on all aspects of this study with BBL.
- MES will receive a September status report from BBL on November 8th.
- MES submitted the October status report to MPA on November 15th.
- On November 16th, MES received copies of the Draft Final Barren Consolidated report and reviewed it to make sure comments had been addressed.
- On November 30th, MES emailed the team informing them that the Draft Final Barren Consolidated is available for their review/comment. MES responded to requests for copies.

Future Work Anticipated in December:

- On December 1st, MES submitted copies of the Draft Final Consolidated report to MPA/Corps for review/comment.
- MES will submit a copy of the Final Supplemental report to the pound net owners that requested a copy of the pound net results.
- MES will submit the November status report to MPA in Mid-December

Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)

- BBL communicated via email and phone with MES regarding study progress and updates.
- BBL will submit a monthly status report on November 8th.
- On November 16th, BBL submitted copies of the Draft Final Consolidated report to MES.

Future Work Anticipated in December/January:

- BBL will receive comments to the Draft Final Consolidated report.
- BBL will submit a Final Consolidated report to MES.

Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)

- Task is completed. No further activity to report.

Future Work Anticipated in November:

- Task is completed. No further activity to report.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **IGA – Mid Bay Island Study**
Task #, Name: **#3, (0313) Barren Island Environmental**

Signature/Date: Nathaniel K. Brown 01/00/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Integrated Feasibility and EIS Documentation
This project is included under IGA –Mid Bay Island Study (MES)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
07/01/04 – 12/31/04

Budget Line #	PIN #	Contract #
1175	52290020	504804

Task #, Name:

#8, Integrated Feasibility and EIS Documentation

Project Budget (Total):
$436,517

Revisions: **Revision #:**

% Complete-Work (Total):
15%

% Expended (Total):
3.57%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
15%	85%	5.20%	94.80%

Project Goal(s):
This study will focus on restoring hundreds of acres of aquatic and terrestrial habitat for fish, shellfish, reptiles, amphibians, birds and mammals and will include concepts consisting of wetland and upland components.

Project Objectives:

- Project documentation will be in the form of an Integrated Feasibility and Environmental Impact Statement (EIS).
- MES will provide technical coordination and integration services for regulatory compliance relative to the provisions of the federal water pollution control act (FWPCA) and National Environmental Policy Act (NEPA).
- Contract management services and planning and coordination services will be provided.
- Presentation development services will be provided.
- Writing, assembly and production of draft and final environmental documentation for the Mid Bay Islands Integrated Feasibility and Environmental Impact Statement will be provided.

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Integrated Feasibility and EIS Documentation
This project is included under IGA –Mid Bay Island Study (MES)

MPA Project Manager:
Nathaniel K. Brown

Project Status – Issues/Solutions (both required):

- MES continued to coordinate with the Corps on obtaining copies of coordination letters and any responses.
- On November 3rd, MES delivered the draft existing conditions section of the EIS to MPA/Corps.
- On November 4th, MES emailed the Corps a list of outstanding items needed to draft the next EIS section. On November 12th, MES received a follow up to this email with some of the outstanding items.
- On November 18th, MES met with MPA/Corps to discuss the EIS sections and schedule.
- MES received draft copies of sections 1 & 3 from the Corps.
- On November 29th, MES held an internal meeting to discuss the impacts section of the EIS.
- On November 30th, MES submitted a revised schedule and outline

Future Work Anticipated in December/January:

- MES will work on drafting the impacts section of the EIS and submit to MPA/Corps on January 7th.

Signature/Date: Nathaniel K. Brown 01/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 21st Year Monitoring Contract
Task #, Name: HMI 21st Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 21st Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/02-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
845	50030020	293644	21st Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:** **Revision #:**
$306,446	
% Complete-Work (Total):	**% Expended (Total):**
98%	**86.95%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
98%	2%	0.00%	100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 21st Year Monitoring Contract**
Task #, Name: **HMI 21st Year Monitoring Contract**

Project Status – Issues/Solutions (both required):

- A no-cost extension for this project was approved to allow expenditure of funds through FY05.
- All funds will be expended by that time and all final deliverables will be submitted.
- Draft reports are currently being reviewed internally and no delays in final deliverable submission are expected.

Signature/Date: Anthony K. Brown 01/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 22nd Year Monitoring Contract
Task #, Name: HMI 22nd Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 22nd Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/03-04/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
850	50030020	293644	22nd Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:**	**Revision #:**
$320,719		

% Complete-Work (Total):	**% Expended (Total):**
55%	**12.99%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
55%	45%	0.00%	100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 22nd Year Monitoring Contract**
Task #, Name: **HMI 22nd Year Monitoring Contract**

Project Status – Issues/Solutions (both required):

- The summer sampling for Year 22 was completed in September 2003.
- No unusual conditions or delays have befallen the project.
- Sorting of benthic macroinvertebrates in the lab is complete.
- Identification of benthic organisms has begun.
- All samples have been collected by MGS and CBL and analyses have begun.
- Draft reports are scheduled to be submitted to MPA by the end of December 2004.

Signature/Date: Nathan K. Bonn 01/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 23rd Year Monitoring Contract
Task #, Name: HMI 23rd Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 23rd Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/04-01/31/06**

Budget Line #	PIN #	Contract #	Task #, Name:
855	50030020	293644	22nd Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:** **Revision #:**
$321,944	
% Complete-Work (Total):	**% Expended (Total):**
5%	**0.00%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
5%	95%	0.00%	100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 23rd Year Monitoring Contract**
Task #, Name: **HMI 23rd Year Monitoring Contract**
Project Status – Issues/Solutions (both required):

- The first field sampling has been conducted. MDE sampled on September 24, CBL and MGS sampled on Sept. 23rd and 24th.

Signature/Date: 01/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Interagency Agreement MDE/MPA Monitoring
Task #, Name: #2, Baltimore Harbor TMDL Project

Project Name:	**MPA Project Manager:**
Interagency Agreement MDE/MPA Monitoring – Baltimore Harbor TMDL Project	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**01/31/03-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
1215	54010710	500910	#2, Baltimore Harbor TMDL Project

Project Budget (Total):	**Revisions:** **Revision #:**
$164,000	
% Complete-Work (Total):	**% Expended (Total):**
50%	**20.93%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
50%	50%	0.00%	100.00%

Project Goal(s):

- To conduct water quality related computer modeling of Baltimore Harbor.

Project Objectives:

- To estimate non-point source loads, simulate fate of toxics in Baltimore Harbor – harbor models and provide detailed assessment (Upper Bay Model) – VIMS.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Interagency Agreement MDE/MPA Monitoring**
Task #, Name: **#2, Baltimore Harbor TMDL Project**

Project Status – Issues/Solutions (both required):

- The toxic TMDL is currently being drafted.
- Modeling scenarios are currently being run for both the toxics and nutrient TMDLs.
- MDE expects to submit final nutrient and toxic sediment TMDLs to EPA in September 2004.
- The most recent invoice received from MDE on this project and processed was during 01/23/04.

Signature/Date: 01/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: SAV Study at Poplar (AA Comm. College)
Task #, Name: SAV Study at Poplar (AA Comm. College)

Project Name:	**MPA Project Manager:**
SAV Study at Poplar Island (AA Comm. College)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Anne Arundel Community College	**04/01/02-07/31/06**

Budget Line #	PIN #	Contract #	Task #, Name:
1160	52260020	502822	SAV Study at Poplar (AA Comm. College)

Project Budget (Total):		**Revisions:**	**Revision #:**
$149,761			
% Complete-Work (Total):		**% Expended (Total):**	
90%		**88.77%**	
% Complete (Crnt. FY)	**% Var./Balance (Crnt. FY):**	**% Expended (Crnt. FY)**	**% Var./Balance**
98%	**2%**	**100.00%**	**0%**

Project Goal(s):

- To create, through plantings of submerged aquatic vegetation, underwater wetlands for the Poplar Island Environmental Restoration project.

Project Objectives:

- Activities for this study would take place over a four-year time line.
- SAVs would be planted in Poplar Harbor and monitored over the four-year period for growth and survivorship;
- A resource and planting methodology for the state will be established;
- A photographic record will be established.
- A record of plants supplied for other environmental projects, with acknowledgements to MDOT/MPA will be maintained for five years.
- Yearly progress reports will be submitted to MDOT/MPA on this study.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **SAV Study at Poplar (AA Comm. College)**
Task #, Name: **SAV Study at Poplar (AA Comm. College)**

Project Status – Issues/Solutions (both required):

- It is challenging to get Dr. Ailstock to submit monthly project status reports. I have once again reminded him to send-in his reports.
- The most recent invoice received from Dr. Ailstock on this project was received November 29, 2004.
- There have been no reported changes since last month's status report.

Signature/Date: 01/04/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Name:

IGA– Mid Bay Island Study (James Island)
Env. Field Studies & Sons. Env.
#3

MPA Project Manager:

Nathaniel K. Brown

12/02/04

Frank:
Attached are my monthly Project status reports for October '04.
Dr. Allstock is late in sendy his report on the SAV study at Poplar Isl.
A revised version may follow.
Nat Brown

Assignee (s) Consultants/Contr **t to this**

Maryland Environmental Servic

Budget Line #	PIN #	Co
1175	52280020	

Cons.

Project Budget (Total): **:**

$335,931

% Complete-Work (Total):

80%

% Complete (Crnt. FY)	% Var. (Crnt. I
74%	26%

Balance

Project Goal(s):

- To develop environmental documentation supportive work of a feasibility level study for proposed James Island Restoration project.

Project Objectives:

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Name:	**MPA Project Manager:**
IGA– Mid Bay Island Study (James Island) Env. Field Studies & Sons. Env. Rep., Task #3	Nathaniel K. Brown
Assignee (s) Consultants/Contractors):	**Contract Period Relevant to this EPATS Task:**
Maryland Environmental Service	11/01/02-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1175	52280020	504804	#3, Env. Field Studies & Cons. Env. Rep. (James Island)

Project Budget (Total):	**Revisions:** **Revision #:**
$335,931	
% Complete-Work (Total):	**% Expended (Total):**
80%	79.14%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
74%	26%	49.11%	50.89%

Project Goal(s):

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

Project Objectives:

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **IGA – Mid Bay Island Study (James Island)**
Task #, Name: **#3 – Env. Field Studies & Cons. Env. Report (James Island)**
Project Status – Issues/Solutions (both required):

Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)
Subtasks 3.1 – 3.8 (James Island):
Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- MES received updates from Harms on the progress of the reports.
- MES received a September status report from Harms on October 6th.
- MES submitted the September status report to MPA on October 19th.
- On October 25th, MES received revised final versions of the Supplemental and Spring reports from Harms as requested and submitted to MPA/Corps on October 28th after reviewing to make sure outstanding comments had been addressed.

Future Work Anticipated in November:

- MES will submit the October status report to MPA in Mid-November.
- MES will receive copies of the Draft Consolidated report on November 1st.

Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Harms communicated via email and phone with MES regarding study progress and updates.
- Harms submitted a monthly status report to MES on October 6th.
- Harms continued to work with their subcontractor on finalizing the reports and submitting the draft-consolidated report.
- Harms submitted the revised Final Spring and Supplemental reports to MES.

Future Work Anticipated in November:

- Harms will submit the draft-consolidated report to MES.

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report

Future Work Anticipated in November:

- Task is completed. No further activity to report.

Signature/Date: Nathan K. Poe 11/24/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Characterization of Sediments, New Work Projects – Inner Harbor
(This project is included under MES Open Ended Consulting EPATS), Task #45

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
01/01/04-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1215	5400010	500912	#45, Character. Of Sediments, New Work Projects- Inner Harbor

Project Budget (Total):

$353,166

Revisions: **Revision #:**

% Complete-Work (Total):

85.00%

% Expended (Total):

51.75%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
85.00%	15.00%	38.31%	61.69%

Project Goal(s):
Characterize the harbor sediments in the Dundalk Marine Terminal (DMT), Seagirt, and Masonville Terminal New Work Areas. This characterization will identify the physical, chemical and cap related test properties to identify the quality of the sediments. These results from this characterization will be evaluated to determine appropriate placement options.

Project Objectives:
1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Characterization of Sediments, New Work Projects – Inner Harbor**

Task #, Name: **#45, Character. of Sediments, New Work Projects- Inner Harbor**

3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.

Project Status- Issues/Solutions (both required):

- During the month of October MES prepared a scope of work for additional work to further investigate and delineate the Seagirt Area. These additional tasks identified within this scope will support in the planning of the capping at HMI and identify the quantity and quality of the sediments in the study area. EA is in the process of preparing the proposal in response to the scope of work.

- On October 25th, MES staff attended the HMI North Cell Closure meeting at MPA. At this meeting MES updated the group on the status of the volume calculation performed at the Seagirt area and appraised the group on future investigations and delineations.

- The last invoice received on this project was on 10/31/04.

Issues:

- No Issues.

Signature/Date: 11/24/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

Project Name:	**MPA Project Manager:**
Hart-Miller Island Ph Study	Nathaniel K. Brown
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service	2/01/03-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1215	54000010	500912	#38, Hart-Miller Island Ph Study

Project Budget (Total):	**Revisions:** **Revision #:**
$234,173	
% Complete-Work (Total):	**% Expended (Total):**
80%	39.85%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
80% (Adjusted to reflect additional subtasks added August 2004)	20%	10.02%	89.98%

Project Goal(s):

- To review existing and potential conditions in dredged material containment that may cause acid forming conditions and to assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control the acid forming conditions.

Project Objectives:

- To identify and assess existing and potential conditions that may cause acid forming conditions at HMI.
- To identify and assess dredging and dredged material containment operations that may cause acid forming conditions at HMI.
- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

- Identify and assess the suitable solutions for the management and control of acid forming conditions; and to identify and assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control Ph formations.

Project Status – Issues/Solutions (both required):

Issues

- North Cell Closure Scenario Report will not be completed in October due to the timeline of the component information, such as the filling plan.

Solutions

- Report due date revised to December 2004, as discussed at the October 26th team meeting.

Other MES Activities

- Prepared September progress report and reviewed client invoice for accuracy.
- Coordinated with subcontractor in preparation for October submittals and meetings, and planning for the North Cell closure scenario report.
- Participated in the October 25th and 26th North Cell Closure Team (NCCT) meetings.
- Prepared the action item list / meeting summary for the October meetings.
- Reviewed subcontractor submittals and draft handouts for October meetings.

Contractor (M&N / OAS) Activities:

- Organized, attended and participated in October 25th and 26th NCCT meetings including presenting a review of surface covers for confined disposal facilities and PowerPoint handout at the working meeting.
- Developed a list of action items and study schedule for HMI closure team meetings.
- Completed a review of surface covers and caps for dredged material placement facilities and began preparing material for presentation at HMI COC meeting.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

Future Activities:

- MES will coordinate, facilitate at the next NCCT meeting at HMI on November 16th.
- MES will continue to manage M&N and OAS in the development of the closure plan scenario document to be finalized in December.
- OAS will prepare annotated outline of white paper – "Development of Potential Closure Options for North Cell Hart-Miller Island Confined Placement Site."
- M&N and OAS will continue developing the North Cell Closure Scenarios.
- MES, M&N and OAS will attend the NCCT meeting on January 11th and the HMI COC meeting on January 18th.

Signature/Date: Nathan K. Bonn 11/24/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: APG General Reconnaissance
Task #, Name: #32 – APG General Reconnaissance

Project Name:
APG General Reconnaissance
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service/Andrews, Miller & Associates, Inc.

Contract Period Relevant to this EPATS Task:
4/25/02 - 6/30/05

Budget Line #	PIN #	Contract #	Task #, Name:
1215	5400010	500912	#32, APG General Reconnaissance

Project Budget (Total):

$271,849

Revisions: **Revision #:**

% Complete-Work (Total):

98%

% Expended (Total):

96.02%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
98%	2%	17.53%	82.47%

Project Goal(s):

- Place dredged material at the site as a natural resource for protecting valuable environmental habitat and from further shoreline erosion.
- General reconnaissance of the Aberdeen Proving Ground area to develop information regarding environmental and coastal conditions and unexploded ordinance and hazardous materials issues, identify land and water areas that are potentially suitable for use as dredged material placement sites.

Project Objectives:

- To conduct/develop a reconnaissance level of study of land and water areas within the boundaries of Aberdeen Proving Ground (APG) that are potentially suitable as dredged material placement sites with emphasis on water areas in the Chesapeake Bay and tributaries and on land areas with riparian access or otherwise accessible from the APG shoreline.

Project Status Report Form
Prepared by
Harbor Development

Project Name: APG General Reconnaissance
Task #, Name: #32 – APG General Reconnaissance

- Identify and characterize the types, conditions, and prospective locations in composite format of hazardous and toxic materials that may be encountered.
- Identify and characterize the types, ages, conditions and prospective locations in composite format of UXO that may be encountered.

Project Status – Issues/Solutions (both required):
Issues

- Tasks 1-4 of the AMA contract are complete. This includes: the determination of APG Military and Superfund Status Relative to Dredged Material Management; Environmental Conditions Reconnaissance; Hazardous Materials and UXO Reconnaissance and Preliminary Risk Assessment; and Coastal Engineering Reconnaissance. Still underway are the preparation of the final report, supplemental tasks as assigned and general project and task management. Upon completion of the final report, the ten project objectives listed above shall be met.

- For Task 5, The Reconnaissance Study of Environmental Conditions at APG, UXO and Hazard Analysis in the Chesapeake Bay, and Coastal Engineering Reconnaissance Study for APG was finalized in October and MES submitted the two copies of the Final report on October 26, 2004. Upon receipt, MPA requested electronic copies of the report. This request was passed on to the contractor and the electronic copies are expected in December.

- No outstanding issues.
- MPA requested electronic copies of the final report.
- Electronic copies will be generated and submitted to MPA in December.

- The most recent invoice received for this project was on 10/31/04.

Signature/Date: Nathaniel K. Bow 11/24/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Name:	**MPA Project Manager:**
IGA – Mid Bay Island Study (Barren Island Environmental) Task #3 (0313)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period Relevant to this EPATS Task:**
Maryland Environmental Service	**4/18/03-12/31/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1175	52280020	504804	#3 (0313), Barren Island Environmental

Project Budget (Total):	Revisions:	Revision #:
$433,482	$94,486	1

% Complete-Work (Total):	% Expended (Total):
90%	91.12%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
85%	15%	43.21%	56.79%

Project Goal(s):

- To conduct the feasibility level study of restoration of Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Objectives:

- To determine the feasibility of placing dredged material to restore Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental
Project Status – Issues/Solutions (both required):
Subtasks 3.9 – 3.16 (Barren Island):

Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)

- MES continued to coordinate on all aspects of this study with BBL.
- MES will receive a September status report from BBL on October 6th.
- MES received copies of the Final Supplemental report from BBL in early October and submitted copies to MPA/Corps on October 14th after reviewing to make sure comments to the draft final version had been addressed.
- MES worked with BBL to obtain electronic versions of the Final Supplemental and Spring reports in Microsoft Word to use for the EIS.
- MES submitted the September status report to MPA on October 19th.

Future Work Anticipated in November:

- MES will submit the October status report to MPA in Mid-November.
- MES will receive the draft final consolidated report from BBL and submit to MPA/Corps for review.

Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)

- BBL will submit a monthly status report on October 6th.
- BBL submitted a Final Supplemental report to MES on October 8th.
- BBL communicated via email and phone with MES regarding study progress and updates.
- BBL worked to address comments on the Draft Final Supplemental report and make sure these comments were reflected in the Draft Final Consolidated report to ensure consistency

Future Work Anticipated in November:

- BBL will submit a Draft Final Consolidated report to MES.

Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)

- Task is completed. No further activity to report.

Future Work Anticipated in November:

- Task is completed. No further activity to report.

Signature/Date: 11/24/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Integrated Feasibility and EIS Documentation
This project is included under IGA –Mid Bay Island Study (MES)

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):
Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
07/01/04 – 12/31/04

Budget Line #	PIN #	Contract #
1165	52290020	504804

Task #, Name:
#8, Integrated Feasibility and EIS Documentation

Project Budget (Total):
$436,517

Revisions: **Revision #:**

% Complete-Work (Total):
7%

% Expended (Total):
3.57%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
7%	93%	5.20%	94.80%

Project Goal(s):
This study will focus on restoring hundreds of acres of aquatic and terrestrial habitat for fish, shellfish, reptiles, amphibians, birds and mammals and will include concepts consisting of wetland and upland components.

Project Objectives:

- Project documentation will be in the form of an Integrated Feasibility and Environmental Impact Statement (EIS).
- MES will provide technical coordination and integration services for regulatory compliance relative to the provisions of the federal water pollution control act (FWPCA) and National Environmental Policy Act (NEPA).
- Contract management services and planning and coordination services will be provided.
- Presentation development services will be provided.
- Writing, assembly and production of draft and final environmental documentation for the Mid Bay Islands Integrated Feasibility and Environmental Impact Statement will be provided.

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Integrated Feasibility and EIS Documentation
This project is included under IGA –Mid Bay Island Study (MES)

MPA Project Manager:
Nathaniel K. Brown

Project Status – Issues/Solutions (both required):

- MES continued to draft the existing conditions section of the EIS.
- On October 5th, MES prepared for and attended the EIS meeting with MPA/Corps and followed up with a brief email summary of the meeting the same day.
- On October 7th, MES submitted draft action items and highlights from the EIS meeting on October 5th.
- On October 12th, MES requested an extension for submitting the Existing Conditions section from October 29th to November 3rd. A few days later, MES received permission from both MPA and the Corps.
- MES coordinated with the Corps to obtain final copies of the Barren Modeling and James/Barren HTRW reports to use in writing the existing conditions section.
- MES drafted a memo regarding fish abundance comparison data to use in the EIS and sent the memo to the resource agencies on October 19th.
- On October 21st, MES submitted final action items and highlights from the EIS meeting on October 5th.

Future Work Anticipated in November:

- MES will submit a draft of the existing conditions section to MPA/Corps for review/comment.
- MES will hold an internal meeting to discuss the next EIS section that is due.
- MES will submit a draft outline for the next EIS section (Plan Description) that is due and will begin to draft this section.
- MES will request resolution of request for information from CENAB that is preventing completion of the plan formulation section. If necessary, a schedule revision will also be requested.

Signature/Date: Nathaniel K. Brown 11/24/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:

Poplar Island Expansion Feasibility Study
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period:

08/01/03-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	Task #44, Poplar Island Expansion Feasibility Study

Project Budget (Total):

$110,001

Revisions: **Revision #:**

% Complete-Work (Total):

55%

% Expended (Total):

52.99%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
55%	45%	28.78%	71.22%

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Expansion Feasibility Study
Task #, Name: #44, Poplar Island Expansion Feasibility Study

Project Status – Issues/Solutions (both required):

Subtask 44.1 Task Planning, Technical, Environmental and Administrative Services for the Poplar Island Expansion Project Management Plan Feasibility Studies (MES)

- On October 6th, MES received EA's status report.
- MES helped prepare for and attend the public meeting on October 6th.
- MES reviewed and provided comments on the draft minutes from the October 6th public meeting.
- MES continued to obtain noise and light information at Poplar for UMCES.
- On October 14th, MES submitted draft minutes from the September 16th meeting to the team for review/comment.
- On October 18th, MES submitted the monthly status report to MPA.
- MES prepared for and attended the PDT meeting on October 21st. MES also prepared a meeting summary for this meeting.
- On October 28th, MES submitted final minutes from the September 16th meeting to the team.
- On October 29th, MES submitted draft minutes from the October 21st meeting to the team for review/comment.

Future Work Anticipated in November:

- MES will receive comments to the October 21st draft meeting minutes and incorporate comments. MES will send a finalized version to the team.
- MES will prepare for and attend the PDT meeting on November 18th.

Subtask 44.2 Poplar Island Expansion Feasibility Project Management Planning Support (EA/GBA)

- On October 6th, EA submitted the monthly status report to MES.
- EA staff addressed some minor technical questions.
- EA attended the PIES public meeting on October 6th and the PDT meeting on the 21st.

Future Work Anticipated in November:

- EA will attend the next team meeting scheduled for November 18th

Signature/Date: 11/24/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 22nd Year Monitoring Contract
Task #, Name: HMI 22nd Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 22nd Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/03-04/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
850	50030020	293644	22nd Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:**	**Revision #:**
$320,719		

% Complete-Work (Total):	**% Expended (Total):**
55%	**12.99%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
55%	45%	0.00%	100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 22nd Year Monitoring Contract**
Task #, Name: **HMI 22nd Year Monitoring Contract**

Project Status – Issues/Solutions (both required):

- The summer sampling for Year 22 was completed in September 2003.
- No unusual conditions or delays have befallen the project.
- Sorting of benthic macro invertebrates in the lab is complete.
- Identification of benthic organisms has begun.
- All samples have been collected by MGS and CBL and analyses have begun.
- Draft reports are scheduled to be submitted to MPA by the end of December 2004.

Signature/Date: 11/30/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 21st Year Monitoring Contract
Task #, Name: HMI 21st Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 21st Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/02-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
845	50030020	293644	21st Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:** **Revision #:**
$306,446	
% Complete-Work (Total):	**% Expended (Total):**
98%	**86.95%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
98%	2%	0.00%	100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 21st Year Monitoring Contract**
Task #, Name: **HMI 21st Year Monitoring Contract**

Project Status – Issues/Solutions (both required):

- A no-cost extension for this project was approved to allow expenditure of funds through FY05.
- All funds will be expended by that time and all final deliverables will be submitted.
- The most recent invoice on this project was processed on 07/09/04.

Signature/Date: 11/30/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 23rd Year Monitoring Contract
Task #, Name: HMI 23rd Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 23rd Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/04-01/31/06**

Budget Line #	PIN #	Contract #	Task #, Name:
855	50030020	293644	22nd Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:**	**Revision #:**
$321,944		

% Complete-Work (Total):	**% Expended (Total):**
5%	**0.00%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
5%	95%	0.00%	100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 23rd Year Monitoring Contract**
Task #, Name: **HMI 23rd Year Monitoring Contract**
Project Status – Issues/Solutions (both required):

- The first field sampling has been conducted. MDE sampled on September 24, CBL and MGS sampled on Sept. 23rd and 24th.

Signature/Date: Nathan K. Bruce 12/02/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Interagency Agreement MDE/MPA Monitoring
Task #, Name: #2, Baltimore Harbor TMDL Project

Project Name:	**MPA Project Manager:**
Interagency Agreement MDE/MPA Monitoring	Nathaniel K. Brown
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	01/31/03-06/30/05

Budget Line #	PIN #	Contract #	Task #, Name:
1215	54010710	500910	#2, Baltimore Harbor TMDL Project

Project Budget (Total):		**Revisions:**	**Revision #:**
$164,000			
% Complete-Work (Total):		**% Expended (Total):**	
50%		20.93%	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
50%	50%	0.00%	100.00%

Project Goal(s):

- To conduct water quality related computer modeling of Baltimore Harbor.

Project Objectives:

- To estimate non-point source loads, simulate fate of toxics in Baltimore Harbor – harbor models and provide detailed assessment (Upper Bay Model) – VIMS.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Interagency Agreement MDE/MPA Monitoring**
Task #, Name: **#2, Baltimore Harbor TMDL Project**
Project Status – Issues/Solutions (both required):

- The toxic TMDL is currently being drafted.
- Modeling scenarios are currently being run for both the toxics and nutrient TMDLs.
- MDE expects to submit final nutrient and toxic sediment TMDLs to EPA in September 2004.
- The most recent invoice received from MDE on this project and processed was during 01/23/04.

Signature/Date: 12/03/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: SAV Study at Poplar (AA Comm. College)
Task #, Name: SAV Study at Poplar (AA Comm. College)

Project Name:	**MPA Project Manager:**
SAV Study at Poplar Island (AA Comm. College)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Anne Arundel Community College	**04/01/02-07/31/06**

Budget Line #	PIN #	Contract #	Task #, Name:
1160	52260020	502822	SAV Study at Poplar (AA Comm. College)

Project Budget (Total):		**Revisions:**	**Revision #:**
$149,761			
% Complete-Work (Total):		**% Expended (Total):**	
80%		**64.51%**	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
97%	3%	0.00%	100.00%

Project Goal(s):

- To create, through plantings of submerged aquatic vegetation, underwater wetlands for the Poplar Island Environmental Restoration project.

Project Objectives:

- Activities for this study would take place over a four-year time line.
- SAVs would be planted in Poplar Harbor and monitored over the four-year period for growth and survivorship;
- A resource and planting methodology for the state will be established;
- A photographic record will be established.
- A record of plants supplied for other environmental projects, with acknowledgements to MDOT/MPA will be maintained for five years.
- Yearly progress reports will be submitted to MDOT/MPA on this study.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **SAV Study at Poplar (AA Comm. College)**
Task #, Name: **SAV Study at Poplar (AA Comm. College)**

Project Status – Issues/Solutions (both required):

- It is challenging to get Dr. Ailstock to submit monthly project status reports. I have recently once again reminded him to send-in his reports.
- The most recent invoice received from Dr. Ailstock on this project was received November 21, 2003.
- There have been no reported changes since last month's status report.

Signature/Date: 12/02/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II
Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

Project Name:	**MPA Project Manager:**
Analysis of Emissions from Ship & Port Operations – Third Phase (This project is included under MES Open Ended Consulting EPATS)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service/Edwards & Kelcey (E & K)	**12/15/00-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	#15, Anal. Of Emissions from Ship & Port Ops. –3rd Phase

Project Budget (Total):	Revisions:	Revision #:
$161,952	$55,028	3

% Complete-Work (Total):	% Expended (Total):
67%	66.77%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
4%	96%	4.36%	95.64%

Project Goal(s):

- To produce a report on air emissions from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from shop and MPA operations in the Port of Baltimore.
- To produce a report on possible demonstration scale implementation of catalytic after-treatment technologies on tugboats operating in the POB: and to investigate idle reduction technologies for intermodal trucking operations serving the POB.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Analysis of Emissions from Ship & Port Operations – Study Phase II**
Task #, Name: **#15, Analysis of Emissions from Ship & Port Operations – 2ndPhase**

Project Objectives:

- To gather information on air emissions from Port activities.
- To investigate and identify possible targets for reductions in air emissions from Port activities.
- To produce reports that can be management tools in identifying objectives and criteria to reduce emissions from Port activities.

Project Status – Issues/Solutions (both required):

- Andrew Parker contacted MES and requested that the start dates for the Phase III pilot study surveys be delayed to enable MPA to complete identifying the representatives of the tugboat and trucking industries. MES responded that this was acceptable, but that the overall schedule should be tracked, as there is currently a February task completion date identified in the original Task approval from MPA. If that February date is going to change, MPA will also need to approve the schedule change.
- A project update meeting was held on October 29 between MPA, MES and E&K for the purpose of updating Mr. Hamons on the project's three phases. Mr. Hamons directed MES and E&K to proceed as per the project plan, and he would contact the representatives identified in the meeting.
- MES prepared a meeting summary; it will be forwarded to MPA shortly.

Signature/Date: 11/24/04
(MPA Project Manager)

Project Status Report: **to 10/31/04** **Project Manager:** **John Vasina**

Fiscal Year 2004

No.	Line No.	PIN#	Contract #	Description
1	920	600104-B	597849	C&D Pre-Construction Eng. Design
2	930	600104-D	200001-S	Air Gap System
3	1085	600106-E	597827	Oyster Reseeding Program
4	1140	52210040	502814	Chesapeake Bay Ports System
5	1145	52160020	500829	UM Current Meter Study
6	1150	52240020	502821	UM Economic Studies
7	1180	52170020	501918	UM Ballast Water Study
8	1215	54000010	500912	Site Maint. Work at Masonville
9	1215	54000010	500912	Task #37 Masonville Expansion
10	1225	600105-S	598819	Dredged Material Recycling (Agricultural Use)
11	1255	54010740	500910	MDE Ballast Water Program
12	1340	54012010	500905	Task #7 Masonville Expansion (Kurt Iron)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
C&D Pre-Construction Engineering Design		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
U.S. Army Corps of Engineers		**04/23/97 – 09/30/02 (original)**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
920	**600104-B**	**597849**	
Project Budget (Total): **$1,250,400 (as of point of study suspension in FY '01)**		**Revisions:**	**Revision #:**
% of Work Complete (Total): **100.00% (as of point of study suspension in FY '01)**		**% Expended $ (Total):** **99.97% (as of point of study suspension in FY '01)**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
0%	**0%**	**0%**	**0%**

Project Goal(s):
To determine optimal design of the C&D Canal deepening project and to undertake an economic evaluation of the project to justify the project's implementation.

Project Objectives:
To complete the Pre-construction, Engineering and Design phase of the Chesapeake & Delaware (C&D) Canal deepening project.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **The economic evaluation, if based on the currently available information, would reflect number of negative trends that are short term in nature. Therefore, it would not constitute a suitable basis for making a long term decision pertaining to the project.**

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- **Secretary John Porcari recommended to Lt. Colonel Brown of the Philadelphia District Corps of Engineers in his letter of January 16, 2001 to defer consideration of the economic justification of the project until a number of additional factors can be appropriately considered. (including: Vessel operating costs; temporary decline in the number of container vessel arrivals at the Port of Baltimore; shipping industry trends, etc.). The Corps agreed to follow Secretary's recommendation and the project was postponed by three years to allow more representative, long term trends, to be considered.**
- **MPA procured consultant (Dr. John Martin) to investigate the economic feasibility and justification for C&D Canal deepening. Dr. Martin is scheduled to complete his investigations approximately in July 2004.**
- **John Martin's study was completed in September and is currently under pier review.**
- **The Corps of Engineers is in process of issue their C&D report.**

Signature/Date: John Vasina 11-29-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Air Gap System		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Association of Maryland Pilots		**02/18/00 – 03/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
930	**600104-D**	**200001-S; BPO# P020616**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$219,438		**$48,764.00**	**2**
% of Work Complete (Total):		**% Expended $ (Total):**	
100.00%		**100.00%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
100.00%	**0.00%**	**100.00%**	**0.00% (favorable)**

Project Goal(s):

To ensure safety of the container ship lines that call on the Port of Baltimore through the C&D Canal. Because of the bridge over the canal at Chesapeake City, navigation is unusually difficult at certain times. This is due to the varying effects of tide, wind and wave motion, load on a ship, working depth of the water and other factors that may reduce the known clearance between the bridge and the superstructures of ships using the canal.

Project Objectives:

To upgrade, refurbish and maintain the Airdraft Monitoring System at the C&D canal.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **The contract was extended to March 31, 2004. The Board of Public Works allows two years additional extension as long as price negotiated does not exceed a 4% increase for the extended period. Determination has to be made if the new PORTS System will replace the Airdraft Monitoring System maintain by the Pilots.**

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- **Pilots raised issue with clearances under bridges in Chesapeake Bay area (Bay Bridge, Francis Scott Key Bridge)**
- **Pilots requested if the MPA could initiate request to MdTA to conduct survey of the clearances under bridges in Chesapeake Bay area.**

Solutions:

- **Contract was extended to March 31, 2004.**
- **MPA had a meeting with pilots and the representative of MdTA (Nick Deros) to discuss the issues; new surveys will be requested from the MdTA.**
- **MPA is going to issue a letter to Umesh Murthy (MdTA representative) to request the surveys.**
- **Meeting with Pilots and NOAA took place on November 7. Dave McFarland of NOAA reiterated NOAA's determination to install an air gap system under the bridge at Chesapeake City by March 31, 2004.**
- **NOAA confirmed the installation of air gap system at Chesapeake Bay bridge and at Breeze Point.**
- **The contract with pilots will expire 03/31/04.**
- **Eric Nielsen, the President of the Pilots Association was contacted for the final billings of this contract for the period 01/01/04 through 03/31/04.**
- **Maryland Pilots will submit final invoice in June 2004.**
- **The invoice from Maryland Pilots was received.**
- **The activities under this contract were fully substituted by NOAA's PORTS system.**
- **The follow up meetings were held with the representatives of NOAA and pilots in August to assure that the PORTS system covers the navigation needs.**

Signature/Date: John Vasina 11-29-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Oyster Reseeding Program		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Department of Natural Resources		**06/01/02 – 06/30/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1085	**600106-E**	**597827**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$6,500,000			
% of Work Complete (Total):		**% Expended $ (Total):**	
83.00%		**88.98%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
40%	**60%**	**0.00%**	**100.00%**

Project Goal(s):
To provide large quantities of shells for habitat restoration of oyster population in the Chesapeake Bay.

Project Objectives:

To increase oyster population in the Chesapeake Bay.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **Program was originally structured so that each dollar was awarded for each cubic yard of dredged material that was placed in an open water site in the Bay. Under the current Agreement, the MDOT contributions to the Oyster Recovery program were scheduled to end in FY '02.**
- **DNR's George Hearlth provided invoices for the FY 2003 activities in the amount of $1,625,000.**

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Solutions:

- **New Agreement was executed between MDOT and DNR that will secure funding of the program through FY 2005. Beginning in FY 2002, MDOT shall pay to DNR annual payment of $1.625M from the Transportation Trust Fund.**
- **DNR's repayment of any funds previously advanced to by MDOT is forgiven.**
- **Continuation of the program funding was re-authorized in July, 2003 by MDOT.**
- **Description of the program is being placed on the MPA web-site.**
- **Billing by DNR is expected in March 2004 for the FY 2004.**
- **DNR is being contacted (Chris Judy) to bill for FY '04 funds.**
- **DNR submitted invoice in the amount of $1.625M for FY 2004 activities.**
- **DNR also submitted report pertaining to the fund expenditures in FY 2004 as required by the MDOT/DNR Agreement.**
- **The contract will expire June 30, 2005; needs to be extended (if applicable).**

Signature/Date: John Vasina 11-29-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Chesapeake Bay Ports System		**John Vasina**	
Assignee(s) (Consultants/Contractors): The National Oceanic and Atmospheric Administration		**Contract or Task Period:** 10/25/01 – 10/25/06	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1140	**52210040**	**502814**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$1,575,650			
% of Work Complete (Total): 78.00%		**% Expended $ (Total):** 59.06%	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
40.00%	**60.00%**	**0%**	**100%**

Project Goal(s):
To support safe and efficient navigation by providing ship masters and pilots with accurate real-time information required to avoid groundings and collisions.

Project Objectives:
To design, install, manage on ongoing basis, operate, maintain, and repair NOAA's Upper Chesapeake Bay Physical Oceanographic Real-Time System (PORTS).

Project Status - Issues/Solutions (both required):

Issues:

- **New centralized voice system was implemented during the month of March, 2002. The system was installed in Silver Spring, MD, complete with full back up, and providing local (Silver Spring) and toll-free numbers to cover each PORTS.**
- **MPA needs current update of the status.**

Solutions:

- **MPA executed an Addendum to the contract to finance operation and maintenance in FY '04 (cost: $215K);**

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- **MPA approved the new centralized voice system on February 20, 2002.**
- **The toll free number assigned to the PORTS Chesapeake Bay site is (866) 247-6787**
- **Richard Permenter of NOAA gave the update at Harbor Coordination & Safety Committee meeting on October 2, 2002.**
- **Meeting took place in May with NOAA and Md. Pilots to discuss issues pertaining to PORTS system in the Chesapeake Bay.**
- **Richard Permenter is permanently retiring in August, 2003. David MacFarland became new NOAA PORTS Program Manager.**
- **Kate Bosley is working full-time in another program and she is no longer involved in PORTS activities.**
- **Meeting with Md. Pilots and NOAA took place on November 7, 2003. Dave McFarland of NOAAA discussed issues with MPA and Pilots that were raised by Pilots before retirement of Rich Permenter of NOAA.**
- **PORTS system begin fully implemented in the Chesapeake Bay area in February, 2004**
- **There is a plan for celebration of the implementation of the system at the Secretary's level with NOAA.**
- **MPA Office of Communication will continue planning of the celebration; per Darlene Frank, this task will be assigned to other communications personnel after departure of Richard Berkow.**
- **MPA contacted NOAA in May pertaing to the FY 2004 O&M invoice. NOAA will provide MPA with approximately $215K invoice in June 2004.**
- **Meeting is planned for July, 2004 with NOAA, Maryland Pilots and MPA to discuss issue pertaing to safety navigation in the Chesapeake Bay.**
- **MPA accrued the $215K expenditures for FY 2004.**
- **The new Addendum to the Agreement for 2004 was executed in September, 2004.**
- **Marty Welch of NOAA was contacted at (301) 713-2897, ext. 129 in October, 2004 to obtain an accrued bill from NOAA to cover 2004 cost of maintenance of the system.**

Signature/Date: John Vasina 11-29-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
UM Current Meter Study		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland		**05/31/00 – 06/30/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1145	**52160020**	**502829**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$553,701			
% of Work Complete (Total):		**% Expended $ (Total):**	
82.00%		**75.24%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
40.00%	**60.00%**	**14.41%**	**85.59% (favorable)**

Project Goal(s):
To enhance the present shipboard-based Monitoring Program with continuous data to aid the detection of long term change in the Bay ecosystem and to forecast water levels currents and weather over the Chesapeake Bay area that will assist in vessel navigation and environmental work for the State's dredged material management program.

Project Objectives:
The purpose of this contract is to allow the University of Maryland Center for Environmental Studies to consult, deploy and maintain a Chesapeake Bay Observing System (CBOS) for the MPA.

Project Status - Issues/Solutions (both required): No additional issues since September 2004 report.

<u>Issues:</u>

- **The final report will be delivered on or before September 30, 2005 to the MPA. MPA will request interim progress report at the end of the FY 2002.**

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Solutions:

- **MPA will contact Dr. William Boicourt in Spring, 2003 to request the interim progress report.**

Signature/Date: John Vasina 11-29-04
(Project Manager)

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Project Name:		**Project Manager:**	
UM – Economic Studies		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland (Dr. Dennis King)		**02/01/02 – 01/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1150	**52240020**	**502821**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$457,690		**$249,750; $320,879**	**2**
% of Work Complete (Total): **80.00%**		**% Expended $ (Total):** **68.86%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
40.00%	**60.00%**	**22.11%**	**77.89% (favorable)**

Project Goal(s):
To support selection of the dredged material placement sites to be included in the Governor's Strategic Plan for dredged material management .

Project Objectives:
To create an economic model that would address comparison of the costs, risks, and benefits of dredged material management options.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **MPA requested report for the work done to date.**
- **Dr. King asked for the Amendment to the contract to continue work to January 31, 2004.**
- **Dr. King requested meeting with MPA to discuss issues pertaining to the cost/benefit ratios allocations for the DMMP suggested placement options, the Inner Harbor sites economic issues, and the issues pertaining to the economic study of the ballast water issue.**

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Solutions:

- **Dennis King delivered the requested report in April, 2003.**
- **MPA approved Amendment #1 in December 2002.**
- **Several meetings took place in October to address economic issues pertaining to the Strategic Plan.**
- **Dr. King submitted to MPA proposal of the scope of work, under the Amendment #2 to the existing contract, to continue work in Year 3 on the project.**
- **Amendment #2 to the contract was executed in December 2003 for $320,879 with time extension to 01/31/05.**
- **Meetings with Dennis King and MPA take place each month to discuss the issues pertaining to the Corps' economic analysis and other economics issues related to DMMP program.**
- **Dr. King's staff is involved in economic analysis of the Poplar Island expansion; the meeting with the Corps are scheduled to take place in May.**
- **Various frequent meetings are scheduled to discuss Corps DMMP and prepare presentations and analysis.**
- **Dr. King's staff is working with MES on economics analysis for Mid-Chesapeake Bay and Poplar Expansion projects.**
- **Dr. King is also working on the expansion of Dr. Martin's report pertaining to C&D cost/benefit justification study.**
- **Dr. King will meet with us in November to discuss work in 2005.**
- **Amendment #4 is in process.**

Signature/Date: John Vasina 11-29-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
UM Ballast Water Study		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland		**09/01/00 – 12/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1180	**52170020**	**501918**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$673,277		**$308,697**	**1**
% of Work Complete (Total): **85.00%**		**% Expended $ (Total):** **97.80%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
55.00%	**45.00% (favorable)**	**8.81%**	**91.19% (favorable)**

Project Goal(s):
To identify improved methods for ballast water treatment and management and prevention of boat transport of invasive species.

Project Objectives:
To conduct realistic shipboard trials of methods for the treatment of ballast water, with specific emphasis on the Chesapeake Bay. The primary (voraxial separator) and secondary (ultraviolet irradiation and chemical biocide) treatments to be rigorously tested in the ballast tanks of an ocean going commercial vessel in Baltimore Harbor under normal ballasting conditions.

Project Status - Issues/Solutions (both required):
<u>Issues:</u>

- **Additional work is necessary to probe various issues pertaining to the measurement of the particulate separatory efficiency of the primary treatment (voraxial separator) and of the viability of bacteria, zooplankton and phytoplankton subjected to both primary and secondary treatments and other issues that arised during the course of study which need to be addressed in order to successfully complete the ballast water study.**

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- **The new system is being currently installed on Cape Washington by Dr. Wright and his technical support (Hyde Marine, Inc. and General Shipyard Co.) There are issue with possible deployment of the ship in Persian Gulf.**

Solutions:

- **First Amendatory Agreement to the contract was approved in December 2002 for additional funding of $308,697 with the term extended to December, 2004.**
- **Meeting between MPA and UMCES was held in September, 2002 to address issues pertaining to the Amendment.**
- **University of Maryland was requested to provide MPA with a statement of absence of conflict of interest due to principal investigators (Drs. Wright & Dawson) having patent with C-Clean.**
- **The Phase II of the study will be conducted using the same technology (Maritime Solutions, Inc. microfugal separator) provided it is functional.**
- **The Phase II will take place on the MARAD ship (other than Cape May) docked in the Port of Baltimore. The MARAD ship was not allocated to the project as of February 28, 2003.**
- **Trip was made to Flemington, NJ to observe Maritime Solutions' separator in February 2003.**
- **Several meetings are scheduled for June and July to coordinate work of UM**
- **Maritime Solutions, Inc. withdrew from the joint project with UM to pursue testing of their own system.**
- **Drs. David Wright and Roger Dawson, along with project partner Thomas Mackey of Hyde Marine, Inc. presented the results of their earlier work at the 2nd International Ballast Water Treatment R&D Symposium held at the headquarters of the International Maritime Organization (IMO) in London on July 21-23, 2003.**
- **The University of Maryland started to publish a periodical pertaining to the ballast water issues.**
- **UM together with Hyde Marine, Inc. will install experimental treatment system on the board of Cape Washington by the end of November, 2003.**
- **Dr. Wright submitted preliminary proposal for the extension of the contract to MPA in December 2003. (The proposal is currently being reviewed by MPA).**
- **Debbie Aheron of MARAD is discussing details of work with Dr. Wright and both parties try to set up contingencies for possible deployment of the Cape Washington to the Persian Gulf.**
- **Cape Washington was deployed in Gulf war; MPA and UM are looking for temporary placement of the equipment off shore to continue with the study.**
- **Negotiations are in process to place the equipment and continue with the study at MPA's Clinton Street location.**
- **Meeting is scheduled for July 2004 with MPA management to discuss the project in general, ROE, and the amendment to the contract.**
- **ROE was approved in July 2004**

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- **Contract Amendment to proceed with Phase I of the new study cycle is currently in process; expected to be signed in November, 2004.**

Signature/Date: John Vasina 11-29-04
(Project Manager)

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Project Name:		**Project Manager:**	
Site Maintenance Work at Masonville		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Maryland Environmental Service		**09/09/02 – 12/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1215	**54000010**	**500912**	**35**
Project Budget (Total):		**Revisions:**	**Revision #:**
$657,378		**$33,599**	
% of Work Complete (Total): **97.0%**		**% Expended $ (Total):** **97.25%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
90.00%	**10.00% (favorable)**	**37.01%**	**62.29% (favorable)**

Project Goal(s):

To condition the site for further development in support of terminal operations .

Project Objectives:

To suppress phragmites and provide rough grading of the inner harbor Masonville site.

Project Status - Issues/Solutions (both required):

Issues:

- **The scope of work incorporates use of aerial applicator and extensive rental of heavy equipment.**

Solutions:

Active grading and clearing is occurring, with five pieces of equipment in use today. Where grading has occurred, the phragmites growth appears to be mostly controlled. Approximately 50% of the site is graded, and an additional 20% has been cleared and is in the process of being graded. Spraying of approximately 16 acres occurred on July 15, 2003. It is anticipated that this spraying will kill the phragmites

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above ground growth, but only provide minimal killing of the roots. Jim Sammis of WeedPro informed us that we may not see signs of the Phragmites dying off for 7-10 days, but the plants will begin to translocate the herbicide within 24 hours and this will start the dying process. MES observed signs of yellowing on some of the sprayed phragmites. MES will continue to clear and grade the site including the newly sprayed phragmites. All phragmites as well as the root mat are to be hauled off site to the Quarantine Road landfill. All reasonable effort will be made to remove any phragmites roots and above ground material from the site and not buried on site. Once the site is graded, no spraying will occur until September when the phragmites is fully tasseled. At this time, WeedPro will perform an aerial spray of the entire site at the most appropriate time to kill the phragmites roots and plants.

MES is still looking at completion of grading by the end of July, with the exception of the north side where stabilization still needs to occur. Luis has forwarded a sketch of the areas in need of stabilization. MNE has forwarded specifications for stone and geogrid to David Ferguson who is pursuing costs to provide MPA and MNE with a cost to stabilize these two areas.

Craig Huntley of MES first met Ken at the cell 5 site to discuss boring locations. EBA expects to be on site the end of next week and will be using an ATV for accessing the boring sites. Larry Walsh met us to see the site as well. JMT has previously staked out the existing pipe to make locating the alignment easier.

On phase II, the entire site is graded and rolled, except for the northern end that still needs to be stabilized. David Ferguson is to get Craig cost estimates as well as a record of available funds in the contract. Once we have this information, we can determine how much can be stabilized within the existing funding. A final survey needs to be done on the site, but this should wait until the site is fully stabilized. This is the same area where URS is planning SWM and we will coordinate with their plans.

The phragmites are coming back in some areas, but not heavily or to the point of tufting. If spraying is put off as late as possible, this would be around the third week of October. According to Jim Sammis and everyone else Craig have spoken to, unless the Phrag is tufting, there will not be full translocation to the roots. Because of this, and the fact that the phrag is very thin throughout the site. It appears that the most practical approach is to schedule spraying from a truck or with backpack sprayers and to not use aerial spraying. Once this is agreed upon, we need to let Jim Sammis of Weedpro know, so he can schedule accordingly.
Possible new phase of the project could be implemented to accommodate terminal for Mercedes Benz.

Signature/Date: John Vasina 11-29-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Masonville Expansion		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Maryland Environmental Service		**07/15/03 – 12/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1215	**54000010**	**500912**	**37**
Project Budget (Total):		**Revisions:**	**Revision #:**
$178,675		**$20,000**	
% of Work Complete (Total): **69.0%**		**% Expended $ (Total):** **28.76%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
30.00%	**70.00% (favorable)**	**0%**	**100.00% (favorable)**

Project Goal(s):
Preliminary engineering assessment and design for the Masonville Dredged Material Containment Facility.

Project Objectives:
Preliminary design analysis for an expansion of the existing DMCF incorporating features that will facilitate cell closure and conversion and integration into the MPA's Masonville Marine Terminal operation.

Project Status - Issues/Solutions (both required):
<u>Issues:</u>

- **Unanticipated need to design a repalacement of approximately 500 linear feet of 42-inch corrugated metal storm drain pipe which has collapsed at the Masonville site.**

<u>Solutions:</u>

- **Additional funding of $20K was approved on August 12, 2003.**
- **Meeting was held on October 27 with MPA's Engineering Department and**

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Moffatt & Nichol Engineers to discuss additional study needs; specifically, additional borings needed to locate sand borrow areas.

Signature/Date: John Vasina 11-29-04
(Project Manager)

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Project Name:		**Project Manager:**	
Dredge Material Recycling (Agricultural Use)		**John Vasina**	
Assignee(s) (Consultants/Contractors): University of Maryland - Wye Agricultural Laboratory/MES		**Contract or Task Period:** 09/01/97 – 12/31/06	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1225	**600105-S**	**598819**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$384,835			
% of Work Complete (Total): 91.00%		**% Expended $ (Total):** 85.96%	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
40.00%	**60.00%**	**3.32%**	**96.68% (favorable)**

Project Goal(s):
To make preliminary recommendation that the agricultural use of dredge material is either viable option to be considered for Governor's Strategic Plan for Dredged Material Placement or it should not be considered for the inclusion in the Plan. .

Project Objectives:
To address the benefit created through improving unproductive land (farmland). Additional objective is to quantify the value of unproductive farmland vs. the improved value of the land if dredged material increases agricultural yields.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **Need to quantify volume of dredged material that can be realistically applied to the farmland.**
- **Need for assessment of the viability of this option for the Governor's Strategic Plan.**

Need to extend the contract beyond 12/31/02.

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- **MES have scanned Ken Staver's report in as an adobe acrobat pdf file, so whenever MPA decides to distribute to any citizen or other DMMP committees, MES can do that electronically or as a paper file report.**

Solutions:

- **Dr. Ken Staver of University of Maryland gave a presentation on agricultural applications at the Dredged Material Management Program Citizens Advisory Committee meeting on January 9, 2002.**
- **HMI Citizens Oversight Committee visited Wye Institute on August 20, 2002. Dr. Ken Staver gave the tour and presented lecture to the Committee.**
- **MES submitted requested and MPA approved no cost extension to December 31, 2006.**
- **Dr. Ken Staver (principal investigator) will a report to MPA in November, 2003 so the MPA can evaluate viability of this dredged material placement option for the Governor's Strategic Plan.**
- **Meeting with Dr. Staver and MES took place in November, 2003 and the initiation of the new plan for further enhancing the project was approved by MPA. Dr. Staver and MES will present the MPA with the plan in February 2004.**
- **The Wye Agricultural Research Center report was accepted in December, 2003.**
- **A meeting with MPA was held in December to discuss future actions.**
- **A meeting was [planned for February 12 for MES and Wye to develop the requested proposal for future activities with MPA requested a proposal detailing future activity. MES is requesting the ability to allocate $5,000 for laboratory analysis by Wye of recycling project soil samples. Money is available in the budget for this.**
- **MES continues to work on a draft proposal for MPA review for future work. Cece Donovan talked to Ken Staver on March 31 about proposal elements for Wye and set target completion date for a proposal. MES will follow up in July.**
- **Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August1.**
- **MES will submit proposal for new phase of the study in November, 2004.**

Signature/Date: John Vasina 11-29-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

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Project Name:		**Project Manager:**	
MDE Ballast Water Program		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Maryland Department of the Environment		**01/31/03 – 01/01/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1255	**54010740**	**500910**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$161,000		**$0**	
% of Work Complete (Total): **75.00%**		**% Expended $ (Total):** **76.05%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
40.00%	**60.00% (favorable)**	**0.00%**	**0.00% (favorable)**

Project Goal(s):
Implementation of reporting of information by maritime industry to MDE about ballast water. (Maryland legislation enacted in 2000 created an enforceable requirement for the maritime industry).

Project Objectives:
MPA's funding support helps MDE to start the program, draft and promulgate regulations, and set up the ongoing reporting framework.

Project Status - Issues/Solutions (both required):
<u>Issues:</u>

- **Program was originally funded from MPA's operating budget.**

<u>Solutions:</u>

- **Approval has been received from Secretary Porcari to amend the existing MOU between MPA and MDE (Contract No. 500910) and allow MDE to conduct work in support of MDE's ballast water program under this contract.**
- **MDE is submitting quarterly reports.**

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Prepared by John Vasina
Harbor Development

- **MDE's ballast water program regularly update and maintain a ballast water database that is used to collect information about ballast water report forms, ships that enter and depart the State of Maryland, contact information and compliance tracking. MDE is sending compliance verification letters to shipping agents of vessels that did not send in report forms at the end of each month. For example, in 2003, the average compliance rate (prior to receipt of compliance verification letters) was 71%. However, the average compliance rate (after receipt of compliance verification letter) climbed to 94%.**

-

Signature/Date: John Vasina 11-29-04
(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:		**Project Manager:**	
Professional Dredging Engineering		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Gahagan & Bryant Associates, Inc.		**11/25/02 – 12/11/03**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1270	**54012010**	**500905**	**#7– Masonville Expansion (Kurt Iron & Metal)**
Project Budget (Total):		**Revisions:**	**Revision #:**
$36,500			
% of Work Complete (Total):		**% Expended $ (Total):**	
100.00%		**51.76%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
100.00%	**0.00% (favorable)**	**0%**	**100% (favorable)**

Project Goal(s):
To conceptually evaluate new inner harbor facility or facilities for the placement of maintenance and new work dredged materials from the inner harbor sites.

Project Objectives:
Prepare preliminary plans and cost estimates for the alternatives developed. GBA's deliverables will include plan drawings, construction costs estimates, owner costs associated with filling activities, site capacity and containment construction and filling schedules bracketed to capture both the fastest and the most cost effective means of recovering the land.

Project Status - Issues/Solutions (both required): No additional issues since September 2004 report – Task Completed.

<u>Issues:</u>

- **It is necessary to promptly gather information pertaining to these potential dredged material placement sites in order to place them as a possible options for**

Project Status Report Form
Prepared by John Vasina
Harbor Development

consideration in Maryland's Dredged Material Management Plan.

Solutions:

- **A preliminary draft series of plan drawings, tables, charts and schedules were submitted by GBA within 14 days of authorization to proceed with this work (November, 2002).**

Signature/Date: 11-29-04
(Project Manager)

Date: November 30, 2004
For Period: 10/01/04 –10/31/04

Maryland Port Administration
Project Status Report Form
prepared by
Harbor Development

Project Name: EPATS TASK 2 – Technical Support

Project Manager: MPA – Dave Bibo
MES - Cece Donovan

Assignee(s) (Consultants/Contractors):
MES
General Physics

Contract Period: May 1999 – June 2005

Reporting Period: October 2004

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1215	54000010	500912	0302 – Technical Support

Project Budget (Total):

$712,132

Revisions:	**Revision #:**
$ 100,000 added 8/00	1
$ 100,000 added 6/01	2
$ 100,000 added 10/01	3
$ 100,000 added 04/02	4
$ 200,000 added 09/02	5
$16,000 added 03/03	6

% Complete (Total):

Ongoing – tasks assigned as needed by MPA

% Expended (Total):

75%

% Complete (Crnt FY): **Var/Balance:**

% Expended (Crnt FY): **Var/Balance:**

Project Goal(s): To provide support to MPA for dredged material planning.

Project Objectives: To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

Project Status - Issues/Solutions: During this period, MES provided technical support to the DMMP process, and MES also continued technical support to the Corps' DMMP.

Report Period: October 1 through October 31, 2004

October 2004
MES continued support to the DMMP process. The October 13 CAC meeting was postponed, MES plans to attend the rescheduled meeting and GP will also attend and provide a meeting summary. A BEWG meeting is planned for November 9. The October BEWG meeting was cancelled.

MES continued technical coordination with UMCES for GIS mapping and assistance with GIS related impacts analysis for the Corps EIS's, performed under contract to MPA. MES continued to manage and oversee the MPA/MES/MGS Coastal Geology Services IGA for MPA; project status reports were prepared and sent for this IGA. MGS continues to provide technical support to the DMMP process through attendance at BEWG meetings and assistance with the Corps DMMP scoring and option ranking process.

MES has compiled several telephone quotes to print 500 34"x34" educational posters, as requested by MPA. The least costly printer has been determined and will coordinate actual printing this week. The graphic file was received on November 8th. Confirmation that the printer has received the correct graphic file is needed to proceed with printing.

MES performed project management duties related to review, processing and recording of invoices and production of status reports.

MES continued coordination with MPA on an annual report to the Legislature on the State DMMP.

Invoiced for October: $5,950.42

Invoiced to Date up to October 31, 2004: $605,865.64

Remaining: $106,266.36

Signature/Date Dave Bilw 11 30 04
Project Manager

Project Status Report Form
Prepared by MES for
Harbor Development

Project Name:		**MES Project Manager:**	
Poplar Island Environmental Restoration Project (This project is included under MES Open Ended Consulting EPATS)		Melissa Slatnick	
Assignee(s) (Consultants/Contractors):		**Contract Period:**	
Maryland Environmental Service		01/01/04 – 01/31/04	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
	54000010	500912	#46, PIERP Adaptive Mgmt. Plan (AMP)
Project Budget (Total):		**Revisions:**	**Revision #:**
(Contract Amount) $292,019			
% Complete (Total):		**% Expended (Total):**	
45%		**47.04%**	
% Complete (Crnt. FY):	**% Var./Balance (Crnt. FY):**	**% Expended (Crnt. FY):**	**% Var./Balance:**
40%	**60%**	**27.9%**	**72.1%**

Project Goal(s):
- **Continuation of services on the Poplar Island Adaptive Management Plan (AMP) and Project Management Plan (PMP).**
- **Development of the updated Poplar Island Habitat Development Framework (HDF).**

Project Objectives:
- **Provide revised drafts of the HDF.**
- **Provide technical support and contractor oversight for the continued development of the AMP and PMP.**
- **Provide support at the AMP team meetings and HDF development meetings (Habitat Sub-group Meetings).**

Project Name: Poplar Island Environmental Restoration Project
Task #, Name: #46, Adaptive Management Plan (AMP)

Project Status Report Form
Prepared by MES for
Harbor Development

Project Status – Issues/Solutions (both required):

- **Issues**
  - Task management database is not working as well as planned, mainly due to unresponsiveness to preparing task worksheets, but also because of general inaccessibility since EA handles the database and it can only be accessed through specific requests to EA.
  - EA has indicated that they may have difficulty achieving their contract MBE goal because their MBE contractor has determined that the task management database does not require as much input as originally planned.

- **Solutions**
  - EA has recommended using a web-based system for the Poplar Island adaptive management information. The website could be accessed by the entire project team and would make it easier for the project team to look at existing tasks. The website could also potentially allow MES to upload monitoring data in order for MDE to query specific data (this is a request MDE has made in the past, but since MES does not keep data in an Access database, the information can not be easily queried for specific requests).
  - MES has enlisted the assistance of 2 Poplar staff members (Albanese and Delashmutt) to work on getting the operations and environmental tasks up to date.
  - EA will continue to work with Corp to initiate development of 2005 task forms.
  - EA has identified an additional MBE Contractor and within-scope work for that Contractor to perform on the task database.

- **MES Activities:**
  - Contractor oversight and management.
  - Drafted September progress report; reviewed and approved subcontractor and client invoices.
  - Attendance at the October 19th adaptive management meeting.

- **EA Engineering, Inc. Activities:**
  - Prepared for and attended October 19th meeting.
  - Upgraded database to export reports.

- **Future Activities:**
  - MES will coordinate with the MPA on whether a task amendment would be justified to switch existing funds in the task budget currently allocated for subcontractor database management into a web design task.

Total Contract Amount: $292,019

Total 10/31/04 Invoice: $5,649

Total Amount Invoiced as of 10/31/04: $138,605

Signature/Date Dave Belo 11 3 2004
Project Manager

Date: as of 10/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development Task #, Name:_____

Project Name: Poplar Island Site Development

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/04-06/30/05

Budget Line # 910 **PIN #: 51030040** **Contract #: 502813** **Task #, Name:**

Project Budget (Total): $4,170,000

Revisions: **Revision #:**

% Complete (Total): 34%

% Expended - $(Total): 52.14%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
86%	80%	29.92%	71.18% (favorable)

Project Goal(s): Operation of the project efficiently, safely, and in compliance with the regulatory requirements. To manage the material placement to place the maximum amount of material while meeting the objectives of the project.

Project Objectives:

- **Environmental Monitoring, meeting the discharge criteria.**
- **Prepare and maintain the infrastructure for long term sustained operations.**
- **Conduct operations in compliance with environmental concerns.**
- **Recover sand for future operations.**
- **Develop the wetlands into a viable habitat.**
- **Conduct tours and site visits to tell the Poplar Island success story.**

Project Status - Issues/Solutions (both required): The current focus of the facility is

Date: as of 10/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development Task #, Name:_____

the construction of Cell 3D into a viable wetland using dredge material, preparing for the dredging contractor scheduled to arrive in early November, and erosion repair along roads and dikes as needed.

Crust Management: There was no crust management activity during the month of October due to pending inflow scheduled for mid November.

Inflow preparations: All phase 1 cross dikes are complete. Weir structures and crossover pipes have been installed in all cross dikes. Dredge material has been excavated from the cells and placed on the slopes to protect them from erosion. Sand is being placed if front of all phase I spillways to facilitate future sump excavation. Perimeter trenches in cell 3 are being filled with consolidated material. Spillway #3 in cell #2 is being prepared for use.

Cell 3D: Major channel excavations were completed by 8/27. Final grades are being established throughout the cell. Excavated channel material has been transported and placed within the appropriate fill zone in accordance to the USACE plan. Final grading to the +1.5' elevation has fallen slightly behind schedule, due to the need for additional material not in the original plan. The USACE estimated that an additional 3,500 cubic yards of material would be needed to achieve an average cell elevation of +1.5', as of October 31 - 20,430 cubic yards of material has been hauled into cell 3D from cell #6, Cell #5 and Cell #2. MES continues to haul in material into cell 3D to establish target elevations.

Land base: MES has completed all preparations and permitting for the land base parking lot improvements. The property owner has hired a local contractor to grade the parking lot. This contractor has made minor progress clearing/preparing the site. MES continues to work with the property owner complete this task.

Other Activities: MES has maintained the water elevation in cell 5 to facilitate sand removal for cell 3D. Environmental staff made efforts to control an avian botulism outbreak, by quickly removing and disposing of dead birds. Dike and road maintenance conducted thought the Island. A total of 14 tours were conducted on Poplar Island during the month of October.

Signature/Date: Dave Bibo 11 30 04
(Project Manager)

Date: 11/15/04

Project Status Report Form
prepared by
Harbor Development

Project Name: Site 92 Comprehensive Monitoring

MPA Project Manager: Dave Bibo

MES Project Manager: Elizabeth Habic

Assignee(s) (Consultants/Contractors):
MES
MDE
MGS

Contract Period:

05/1/98 – 06/30/06

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1110	600106-H	59910	

Project Budget (Total):

$1,126,259.11 (years 1-7)

Revisions:

Revision #:

% Complete (Total):

Year 1 & Year 2: 100%
Year 3: 100%
Year 4: 100%
Year 5: 100%
Year 6: 75%
Year 7: 10%

% Expended (Total):

54% ($608,019.36 through October 2004)

% Complete (FY 04):
95%:
Revised FY 04 Budget: $200,940.50.
Projected FY 05 Budget: $118,680.93
(FY05 budget is based on FFY05 budget of $241,701.22 split 50/50 with CENAP)

% Expended (FY 04):
94.6%: Balance $190,058.86

Var/Balance:
5.4%/$10,881.64

Expended in FY 05:
Balance $102,719.74

Var/Balance:

Project Goal(s): Management of site monitoring activities at Site 92

Project Objectives: Conduct management activities of site monitoring activities at Site 92

Project Status - Issues/Solutions (both required):
October:
See attached status report

November:
MES will prepare for and conduct a biweekly Contractor/Team meeting in Chesapeake City on November 10th.
MES will distribute draft meeting summaries for the October 6th PI Team meeting and the October 27th Contractor/Team meeting
MES will finalize and distribute final meeting summaries for the October 6th PI Team meeting and the October 27th Contractor/Team meeting.
MES will begin drafting a meeting summary for the November 10th meeting summary.

Dave Bibo
11 30 04

Date: 10/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island South Cell Task #, Name:_____

Project Name: Hart-Miller Island S. Cell Restoration

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 2002-present

Budget Line # 880 **PIN #: 600102-L** **Contract #: 500607** **Task #, Name:**

Project Budget (Total): 1,080,000.00 **Revisions:** **Revision #:**

% Complete – Work (Total): 83% **% Expended - $ (Total): 74.24%**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
30%	70%	10.83%	89.17% (favorable)

Project Goal(s): Restore the Hart-Miller Island South Cell creating a habitat for migratory birds, consisting of mud flats, nesting island, and uplands.

Project Objectives:
- **Provide habitat for migratory birds.**
- **Allow citizens to observe the birds from viewing areas**

Project Status - Issues/Solutions (both required):

South Cell: Geo Con has completed almost all tasks, they have demobilized with the exception of one pickup truck. The USACE is preparing a punch list for items that need to be corrected, prior to closing the contract. Some of the ground cover did not initially prevent erosion and some washouts have occurred in the area of the footpath. It appears that the ground cover has now taken hold but some repairs will still be needed. It has not been decided whether this erosion will be warranty work or not, if it is not warranty MES will perform the repairs. Meadville Land Service, the contractor that did the planting and the subsequent mowing completed the mowing and their equipment has been barged off the island for them to pick up. The communications system is scheduled to be tested by Geo-Con on 11/2/04. There is still an issue with the pole lights outside of the control building as to their pole size. MES will make the repairs on the spillway, the specifications are being prepared and the contract will be advertised soon.

Date: 10/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island South Cell Task #, Name:_____

Signature/Date: Dave Bilo
(Project Manager) 11 30 04

Date: as of 10/31/04

Project Status Report Form

Prepared by

Harbor Development

Project Name: Hart-Miller Island DMCF Task #, Name:_____

Project Name: Hart-Miller Island DMCF **Project Manager: David Bibo**

Assignee(s) (Consultants/Contractors): MES **Contract Period: 07/01/04 – 06/30/05**

Budget Line #815 **PIN #:600102-C** **Contract #: 384002A** **Task #, Name:**

Project Budget (Total): $3,900,000 **Revisions:** **Revision #:**

% Complete (Total): 34% **% Expended (Total): 15.5%**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
30%	70%	11.74%	88.26% (favorable)

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.

Project Objectives:

- **Construction of the S. Cell Restoration Project**
- **HMI Well Monitoring Study, ensuring no migration of material is taking place.**
- **Environmental Monitoring, meeting the discharge criteria.**
- **Gahagan & Bryant Associates (GBA), MES and the MPA are developing closure plans for the north cell. Action is ongoing.**

Project Status - Issues/Solutions (both required): The current focus of the facility is dewatering and material recovery for the temporary berm construction which is under way. Southern Maryland Dredging has completed the Baltimore County dredging project (Pleasure Island Cut) and should be demobilized by 11/16/04. Site personnel are repairing roadways and ramps due to rains. Preventive maintenance work on the

Date: as of 10/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF Task #, Name:_____

spillway gate rail systems in the North cell is now complete. Great Lakes arrival at HMI is expected around February 1, 2005 with a completion date of about March 1, 2005. The relocating of the electrical at the North cell spillways is now complete. The handrail relocation at the three North Cell spillways is now complete along with some other handrail work at the unloading piers.

South Cell: Geo Con has completed almost all tasks, they have demobilized with the exception of one pickup truck. The USACE is preparing a punch list for items that need to be corrected, prior to closing the contract. Some of the ground cover did not initially prevent erosion and some washouts have occurred in the area of the footpath. It appears that the ground cover has now taken hold but some repairs will still be needed. It has not been decided whether this erosion will be warranty work or not, if it is not warranty MES will perform the repairs. Meadville Land Service, the contractor that did the planting and the subsequent mowing completed the mowing and their equipment has been barged off the island for them to pick up. The communications system is scheduled to be tested by Geo-Con on 11/2/04. There is still an issue with the pole lights outside of the control building as to their pole size. MES will make the repairs on the spillway, the specifications are being prepared and the contract will be advertised soon.

Signature/Date: David Bibo
(Project Manager) 11 30 04

Date: as of 10/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF Task #, Name:_____

Project Name: COX CREEK DMCF **Project Manager: David Bibo**

Assignee(s) (Consultants/Contractors): MES **Contract Period: 07/01/04 – 06/30/05**

Budget Line #1015 **PIN #: 53050040** **Contract #: 504907** **Task #, Name:**

Project Budget (Total): $2,739,901 **Revisions:** **Revision #:**

% Complete (Total): **% Expended (Total): 47%**

34%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
34%	66%	12.78%	77.22% (favorable)

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To prepare the site for the first placement cycle.

Project Objectives:

- **Dike raising of both cells.**
- **Site preparation for initial inflow, to include; access channel and spillways**
- **Environmental Monitoring, submitting and receiving the discharge permit.**
- **Dewatering in preparation of future construction, within discharge criteria.**
- **Monitoring and maintenance of the Swan Creek mitigation site.**

Project Status - Issues/Solutions (both required) The current focus of the operation is dewatering the cells, recovering and hauling material for construction of benches for dike raising. This has included trenching, liming of the water, creation of sumps, clearing and grubbing the site and pushing up material, allowing it to dewater and hauling it to the desired location.

Date: as of 10/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF Task #, Name:_____

MES has occupied the new office trailer, a temporary generator is being used. The telephone system has been installed, email has been switched to DSL and the computer network and server has been installed.

The preparation for the transformers in the trailer area and the guardhouse area has been completed. The inspection has been completed, BGE will run the lines and set the transformer, and connect commercial power in mid-November.

The septic system has been installed and the double-wide trailer has been connected to it.

The maintenance shop has been power washed and painted, a new garage door has been installed and the ceiling lights have been removed in preparation for new electrical service. The interior electrical is has been designed, and MES is preparing the solicitation for advertisement. MES has done some initial investigation of the storm sewage system and has attempted to remove blockages, a contract will be awarded in November to complete the work.

nstruction Status:
Dike: Further dike raising will be completed by MES, utilizing a combination of MES employees and contractors. The MES engineering division and geotechnical subcontractors will oversee the construction. MES subcontractor, VSA has mobilized equipment and along with MES equipment operators are currently constructing benches for dike raising. In addition, stockpiling material and clearing and grubbing areas of the north cell as future borrow areas, continues.
Spillway: Construction began in July and the completion date is December 2004. Cianbro continues spillway construction, and has completed the dike penetrations; the steel structure have been delivered to the site and will be erected in mid-November. Pile construction has been completed.

Signature/Date: Dave Bilo
(Project Manager) 11 30 04

*** For Internal Use Only ***

POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT

Environmental Monitoring Task Update

October 2004

All tasks included in this update (except where noted) are funded from the approved FY 05 Poplar Island Environmental Restoration Project Operations and Monitoring Budget. Costs associated with specific Poplar monitoring tasks are not tracked separately, unless requested.

This update does not include MES activities associated with regular operations and crust management environmental monitoring. That information is reported in a separate monthly report to MPA.

Algae sampling

Update: Algae sampling resumed in April and will continue through October 2004. Samples are analyzed by DNR. Two sets of algae samples were collected in October; these are the last algae samples for the year. Algae sampling will resume in April 2005. The sample collected on 9/27 near a cluster of deceased birds that contained *Anabaenopsis* is being tested for toxicity and the test results are pending. In June, *Anabaenopsis* was also found in Cell 1; the resultant analysis indicated there was no toxicity.

MES Tasks for Reporting Period:

- Collected 2 sets of algae samples
- Delivered algae samples to DNR within 24 hours of collection
- Updated algae sampling spreadsheets

Future: Algae monitoring will begin again in April 2005. The algae sampling spreadsheets and graphs will be updated and emailed out to the algae group periodically. If any species of concern are found in the samples, the project team will continue to be notified and proper precautions will be taken at the site.

Post Isabel Monitoring

Update: MES managed additional sediment monitoring in Poplar Harbor by EA and analysis of the samples by MGS. An executive summary of the MGS sediment sampling was received by MES in mid-February. MES received the draft of this report in October. The report is currently being reviewed and comments will be submitted to MGS so the report can be finalized.

MES Tasks for Reporting Period:

- Started reviewing the MGS draft report.
- Complied comments on the MGS draft report.

Future: MES will finish reviewing the MGS sediment report and send comments to MGS so that the report can be finalized. The final report will be forwarded to MPA and CENAB.

Volatile Solids Study

Update: This study was conducted during the month of August 2003 in an effort to determine the percentage of solids in the PIERP discharge that has a biological origin. MES received the final data in November and has begun to interpret the data and prepare a report. MES has also been in consultation with MDE to aid in the data interpretation. MES met with MDE on May 20th and received further guidance to finalize the report.

MES Tasks for Reporting Period:

- Continued to review data and finalize data interpretation based on MDE's guidance.

Future: MES will finalize the data spreadsheets, draft the volatile solids study report and send the report to MPA and CENAB for their review. MES will follow up on the guidance received by MDE when drafting the report.

Habitat Development Framework/
Adaptive Management Plan (EPATS Task 46)

Update - Habitat Development Framework (HDF): The April version of the HDF has been finalized with the incorporation of the comments from the HSG members. The HDF was handed out at the WG meeting on May 25th. This document will be updated again in early 2005 as reports and recommendations are received from the 2003 framework monitoring studies.

Update - Adaptive Management Plan (AMP): MES continues to manage the AMP. Under the EPATS Agreement, progress on this task is reported in a separate progress report.

Future: MES will continue to provide input to the AMP and update the HDF annually.

Cell 4DX Monitoring (EPATS Task 40)

Update: Under the EPATS Agreement, tasks completed by UMCES for Cell 4DX are reported in a separate progress report. The 2004 Cell 4DX Monitoring plan was drafted and implemented in June. Sampling under the 2004 Cell 4DX Monitoring Plan continued until the end of October.

MES Tasks for Reporting Period:

- Continued sampling required by the 2004 Cell 4DX Monitoring Plan.

Future: MES will distribute monthly the spreadsheets detailing the results of the Cell 4DX monitoring. By early 2005, MES will prepare a 2004 Cell 4DX report that will address whether this cell should be monitored in 2005.

Harbor Sedimentation Survey

Update: This project is directly managed through the MPA and their subcontractor (Moffatt and Nichol). MES provided project management and technical review services as requested by MPA. ME S reviewed the draft report in April 2004 and submitted comments.

Future: MES will provide a QA/QC review of the final report if requested by MPA.

Working Group Coordination

Update: MES has been providing all of the planning, coordination, handouts and meeting summaries, for the bi-annual working group and sub-group meetings. MES has also been drafting the monthly WG updates, as requested by CENAB and MPA. The project team decided not to schedule a fall Habitat Sub-group meeting; the next Working Group meeting has been scheduled for November 5, 2004 and will cover both habitat and overall working group issues since the May 2004 meeting.

MES Tasks for Reporting Period:

- Planning for the November WG meeting.
- Development of the September WG update.

Future: MES will continue to provide monthly WG updates (for distribution by the Corps). MES will coordinate all aspects of the November WG meeting.

Poplar Exterior/Framework Monitoring

Update: MES continues to manage the contractors performing the 2004 sediment and the faunal monitoring per the monitoring framework plan. MES prepared a scope of work and coordinated the contractual agreements necessary to initiate the 2004 sediment monitoring. MES is working with the Corps to review the exterior monitoring reports for 2003 in preparation for development of the 2003 Annual Report.

MES Tasks for Reporting Period:

- Contract management for exterior monitoring (contracts managed by MES).

Future: MES will start reviewing the 2003 reports, as they are received, and begin preparing the 2003 Annual Report. Additionally, MES has begun to develop the scope of work for select 2005 monitoring tasks.

Other Tasks

- MES is assisting USFWS and APHIS with the bird and wildlife population control.
- MES drafted a Cell 3D Monitoring Plan and meet with MDE on September 21 to review this plan. Based on comments received at that meeting, the plan was updated and submitted to the project team for review in October. The final draft of this monitoring plan will be forwarded to MDE in November.
- Due to heavy mosquito populations, MDA was contacted and an aerial spray was conducted at the site in mid-October.

- MES assisted USFWS with locating, identifying and removing the dead/sick birds that were discovered on the site.

Project Status Report Form
Prepared by
Harbor Development

Project Name:

Sediment Monitoring and Plant Survival, Cell 4DX, PIERP
(This project is included under MES Open Ended Consulting EPATS)

MES Project Manager:

MPA Project Manager: David Bibo
MES Project Manager:Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract Period:

07/01/03 – 01/31/05

Budget Line #	PIN #:	Contract #:	Task #, Name:
1175	**54000010**	**500912**	#40, Sediment Monitoring & Plant Survival, Cell 4DX, PIERP

Project Budget (Total):
(FY05) $339,058
(Contract Amount) $406,153

Revisions:

Revision #:

% Complete (Total):

65%

% Expended (Total):

24.81%

% Complete (Crnt. FY):	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY):	% Var./Balance:
40%	**60%**	**18.71%**	**91.29%**

Project Goal(s):

- **To monitor the dredged material test plots in Cell 4DX to gauge the suitability of dredged material as a planting substrate by studying the sediment biogeochemistry, pore water biogeochemistry, suitability of the dredged material as a planting substrate and the success of the plants in the dredged material test plots.**

Project Objectives:

- **To monitor the dredged material test plots to quantify the degree of success in meeting the goals of the project for establishing healthy marshes. To monitor the dissolved phase of the water in the dredged material substrate. To conduct analysis on the solid phase dredged material substrate. To determine how the pore water and sediments are affecting the plant growth and success in the dredged material test plots. To evaluate the suitability of the dredged substrates in supporting marsh vegetation and compile a planting list of the most adapted marsh species to the dredged material (contingent task).**

Project Status Report Form
Prepared by
Harbor Development

Project Name: Sediment Monitoring and Plant Survival, Cell 4DX, PIERP
Task #, Name: #40, Sediment Monitoring and Plant Survival, Cell 4DX, PIERP

Project Status – Issues/Solutions (both required):

- **Issues**
  - Subcontractor draft report was due June 30; request was made to extend due date until August in order to finish phytotron experiment and include analysis in report. Contractor has requested an additional extension until end of October, report has not been received yet and MES is working with contractor to get the draft report.
  - The contractor has noted that the results that are being compiled into the draft report indicate that most of the information needed in Cell 4DX has been obtained. Contractor has suggested that UMCES efforts may be more worthwhile in Cell 3D.

- **Solutions**
  - Contractor has been informed that no additional work will be recommended (for Cell 3D, using existing funds) until draft report is received.
  - MES will discuss a potential no-cost task amendment with MPA to determine whether UMCES efforts should now be switched to Cell 3D, building on information gained through the study of 4DX.

- **MES Activities:**
  - Contractor oversight and management.
  - Subcontractor invoice review and processing.
  - September progress report for MPA.
  - Prepare presentation on 4DX monitoring for November 5th PIERP Working Group meeting.
  - Coordinate with subcontractor on November 5th PIERP Working Group meeting presentation.

- **MES Future Activities:**
  - Continued subcontractor oversight and management.
  - Review of UMCES 2003 / 2004 Monitoring Report.
  - Coordinate with MPA and UMCES to determine whether additional studies will be needed in 4DX or 3D for the 2004 / 2005 monitoring year. If needed, prepare a new scope of work and task amendment.

- **UMCES Activities:**
  - Draft the 2003 / 2004 Monitoring Report.
  - Prepare presentation for the November 5th PIERP Working Group meeting.

- **UMCES Future Activities:**
  - Submission of draft report.
  - Recommendations for future monitoring based on 2003 / 2004 results.
  - Attendance and presentation at November 5th PIERP Working Group meeting.

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Total Contract Amount: $406,153

Total Amount of 10/31/04 Invoice: $7,311

Total Amount Invoiced as of 10/31/04: $106,672

Signature/Date Dave Bilo
Project Manager 11 30 04

HART-MILLER ISLAND DMCF
Environmental Monitoring Task Update
October 2004

*****All tasks included in this update (except where noted) are funded from the approved FY 05 Hart-Miller Island Operations and Monitoring Budget. Costs associated with specific HMI monitoring tasks are not tracked separately, unless requested.****

Groundwater Study

Update: All monitoring and analysis for the main component of the groundwater study (dike transmissivity and water quality) has been completed. Four quarterly reports have been finalized and the subcontractor (URS) submitted the draft-consolidated report on December 4, 2003. The final report was received as expected on July 14, 2004. MGS was scheduled to submit the draft report for their component of the study on June 3. MES is continuing to work with MGS to obtain the draft report.

MES Tasks for Reporting Period:

- None

Future: MES will continue to provide updates to the HMI Citizens Oversight Committee as requested. Additionally, MES will continue to coordinate with MDE to determine whether sampling at the "old wells" can be discontinued and replaced with use of the new wells from the groundwater study. MES will continue working with the MGS to obtain the final reports.

Plan of Action (POA) to Control Low pH (EPATS Task 38)

Update: Additional subtasks were added to this task. New subtasks include activities to implement the POA for the closure of the North Cell. Under the EPATS agreement, progress on this task is detailed in a separate progress report.

Future: MES will continue to manage the implementation of the POA for the closure of the North Cell.

Vegetation (*Phragmites*) Monitoring – South Cell

Update: MES continues to implement the *Phragmites* control plan for the wetland and upland areas of the South Cell. Spraying of the upland portion of the South Cell began in August and continued through October. Spraying of the wetland portion began in October.

MES Tasks for Reporting Period:

- Sprayed *Phragmites* in S. Cell wetland areas
- Finished spraying the *Phragmites* in the S. Cell upland areas
- Continued to research vendors and costs for the South Cell upland seed mixture

Future: The *Phragmites* control plan will continue to be followed. MES will begin planning for a spring seeding in the South Cell to help control *Phragmites*. Please see additional details in the following vegetation update.

Vegetation (*Phragmites*) Monitoring – North Cell / DNR Marshes

Update: In October, *Phragmites* spraying was completed in the MD DNR marshes. Approximately 60% of the North Cell has also been sprayed.

MES Tasks for Reporting Period:

- *Phragmites* control
- Equipment repair for *Phragmites* control equipment
- Ordered new tractor sprayer for next year's spraying season

Future: MES will continue spraying *Phragmites* in the North Cell until the plants go dormant (approximately mid November). After spraying is finished, MES will perform all necessary maintenance on the equipment and place it into storage. MES will also store the remaining herbicide and complete the appropriate reporting for herbicide usage. Prior to next year's *Phragmites* control season, MES will send suitable headquarters employees for herbicide application certification and training to provide an increased workforce for *Phragmites* management.

South Cell Monitoring

Update: One set of South Cell water quality samples was collected in October (10/25).

MES Tasks for Reporting Period:

- Water quality monitoring per HMI SCERP monitoring plan.
- Sent UMCES MES's interior water quality data for UMCES report.

Future: MES will begin Year 1 water quality monitoring per the monitoring plan. Jeff Cornwell (UMCES) will finish the Baseline Interior Sediment & Soil Quality sampling per the monitoring plan, and conduct the last visit of this monitoring year in October. A report from UMCES on the first year of monitoring is expected at the end of November; the consolidated report on the first year of monitoring at the South Cell is scheduled for completion in January.

North Cell Closure / Sediment Sampling

Update: The remaining data from the North Cell sediment sampling event was received and is being reviewed and compiled into the summary spreadsheets. A meeting for the N. Cell berm construction was held on October 18th, the next meeting is scheduled for November 22nd.

MES Tasks for Reporting Period:

- Review and preparation of summary tables for North Cell sediment data.

Future: MES will continue to provide requested support to the HMI Closure Planning Team as requested. Once all of the North Cell data is received, MES will prepare a summary report detailing the findings.

HMI Discharge Permit Renewal

Update: The new discharge permit became effective on July 1, 2004. The first quarterly discharge monitoring report based on the new limits was submitted to MDE in October. The discharge monitoring report database was updated to reflect the new permit limits and sampling frequencies.

MES Tasks for Reporting Period:

- Updated discharge monitoring report forms with new permit requirements.

Future: A mixing zone study will need to be undertaken in order to keep the interim limits for ammonia, copper and zinc that were given in the draft permit. In addition, every 6 months MDE is requiring an update letter on the studies that are ongoing, the first update is due January 2005.

HMI Algae Monitoring

Update: Algae sampling resumed in April; two sets of samples were collected (10/7 & 10/21) in October and analyzed by DNR. These were the last samples that will be collected in 2004. Sampling will resume in April 2005.

MES Tasks for Reporting Period:

- Collected two sets of algae samples
- Delivered algae samples to DNR lab for analysis
- Updated the 2004 algae sampling spreadsheet

Future: MES will continue to conduct bi-weekly algae sampling through October 2004. If anything of concern shows up in the analysis, MES will immediately notify MPA and MDE. The algae sampling spreadsheet will be sent out periodically to DNR and MPA.

Other

- MES has initiated mosquito control measures for 2004 including periodic monitoring for larvae and adult populations. The toxic materials permit (TMP) to apply larvicide to the storm water collection trenches near the office building and personnel pier was approved and MES is prepared to conduct control efforts in this area, if needed.

Date: November 30, 2004

Project Status Report Form
prepared by
Harbor Development

Project
Open-Ended Contract for Professional Dredging, Dredged Material Placement, Site Design & Site Operations

Project Manager:
Dave Bibo

Assignee(s) (Consultants/Contractors):
Gahagan & Bryant Associates, Inc. (GBA)

Contract Period:
October 2004

Budget Line #	PIN #:	Contract #:	Task #, Name:
1340	54012010	500905	Task 4 HMI Closure

Project Budget (Total):
238,300

Revisions:

Revision #:

% Complete (Total):
65%

% Expended (Total):
64.75%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
30%	Favorable/70%	00.00%	Favorable/100.00%

Project Goal(s.
Develop a plan for final closure of the North Cell of Hart-Miller Island Dredged Material Placement Site by FY 2009.

Project Objectives:
1. Maximize the potential capacity of the site
2. Include a cap of clean sediment as a final uniform lift of about three feet in FY 2008 & 2009
3. Coordinate with dredging contractors, MES and MPA on near term inflow episodes at HMI

Project Status - Issues/Solutions (both required):

a) Temporary Berm construction underway, b) Scheduling of new work and cap material prior to closure is a continuing need through capping and closure, c) Impacts of MDE discharge permit on placement operations is not yet defined.

FY 2005 Inflow plan has been reviewed.

The Closure Team met October 25 and 26. This meeting set the agenda for addressing closure issues in the next few months.

Signature: David Bibo 11300R
(Project Manager)

Date: November 30, 2004

******INTERNAL USE ONLY*******

Cox Creek DMCF
Task Update
October 2004

****All tasks included in this update (except where noted) are funded from the approved FY 05 Cox Creek Operations and Monitoring Budget. Costs associated with specific Cox Creek monitoring tasks are not tracked separately, unless requested.****

Environmental Monitoring Tasks for Reporting Period:

Update: Monitoring activities at Cox Creek during the reporting period were based on correspondence and coordination with the Maryland Department of the Environment (MDE) that led to the development of an approved storm water monitoring plan (July 2003). Under this plan, stormwater that collects at the facility is tested and discharged to the Patapsco.

With high zinc concentrations occurring throughout the month, MES has been collecting additional daily grab samples and coordinating a 24-hour laboratory turn around time for results to assist in making operational decisions. MES also continues to prepare and submit a monthly report to MDE documenting the metal and ammonia concentrations in the storm water being discharged from Cox Creek.

- Collection of 8-hour composite sample during stormwater discharge
- pH monitoring in the South Cell Sump 1 Pond every two hours
- Maintained and calibrated lab and field equipment daily
- Monitored the pH of the ponds in the South Cell daily
- Monitored the transfer of water from the North Cell to the South Cell.
- Transported daily and weekly samples to laboratory and compared the results with MDE guidelines to maintain discharge.
- Ambient samples of the receiving water were taken to determine the acute ammonia toxicity criteria (performed on 10/06/04 and 10/19/04).
- Hach kit tests were performed to test ammonia concentrations in the Sump pond and in the ambient samples
- Determined when and added lime to the South Cell ponds based on pH levels and metal concentrations.
- Compiled data into weekly and monthly reports for storm-water management and wetland monitoring.
- Continued implementing the monitoring plan for the Swan Creek mitigation area.
- Completed a vegetation survey of the wetlands.
- Maintained analytical databases
- Ordered supplies for environmental monitoring
- Continued mosquito sampling and reporting of site conditions to MES headquarters and Maryland Department of Agriculture (on-going process).

Future: MES will continue the water quality monitoring and prepare the October 2004 monthly report. The Swan Creek Mitigation Area will continue to be implemented and monthly reports on the mitigation site will be submitted under separate cover.

Meetings, Tours & Events:

- 10/12/04 @ 08:30 a.m. - Cox Creek Construction Meeting, on-site.
- 10/12/04 @10:00 a.m. - Spillway progress meeting w/ Cianbro, on-site.
- 10/20/04 @ 05:00 p.m. – Citizen's Oversight Committee Meeting, on-Site.
- 10/25/04 @ 11:00 a.m. - Cox Creek Construction Meeting, on-site.
- 10/26/04 @ 10:00 a.m. - Spillway Progress Meeting w/ Cianbro, on-site
- 10/28/04 - The Critical Area Commission visited the Cox Creek site.

Cox Creek Discharge Permit:

Update: MES prepared information for the public hearing scheduled for November 9, 2004. MES worked with M&N on the Critical Area Commission (CAC) pollution calculations. MPA is currently scheduled for the next CAC meeting in December.

Operations Tasks for Reporting Period:

Update: The MES operations group is currently conducting tasks which can be split into the following categories: general operations, equipment maintenance and repair tasks, and site management and other in an effort to prepare the Cox Creek site for future inflow operations.

Construction Activities:

- VSA & MES further stripped *Phragmites* & root mats to expose useable material in the N. Cell & S. Cell, respectively.
- MES continued to push up and reclaim good quality material from the South Cell.
- MES hauled material from South Cell stockpile to placement area for dike construction. Currently working in area of station 81+00 – 72+00.
- VSA continued to bring the area between stations 19+00 – 22+00 up to the 24' elevation.
- MES created trenches in both the N. Cell and S. Cell to drain water away from construction activities.
- Cianbro continued work on construction of Spillway #001 & Spillway #002 (target date for completion of both spillways middle of December 2004).
- Installed Geo-fabric and around parking apron (completed 10/07/ 04).
- Placed stone around parking apron (completed 10/08/04 & 10/11/04).

Equipment Maintenance and Repair Tasks:

- Daily operational maintenance performed on all heavy equipment.
- Daily servicing of 6" pumps.

- HMI Mechanics and Clark Machine inspected new cracks recently found in Pontoon Excavator under-carriage (completed 10/06/04).
- HMI Mechanics serviced air compressor on Fuel Truck (completed 10/06/04).
- Midlantic Machinery inspected/repaired the Bomag Roller hydraulic system (completed 10/08/04).
- Purchased and picked up the rear fuel tank and tool box for the Ford F-150 Pickup Truck from Acres Automotive (completed 10/13/04).
- Washed down and cleaned Volvo Dump Trucks (completed 10/14/04).
- Clark Machine completed the third round of welding repair and reinforcement work on the Pontoon Excavator under-carriage frame (completed 10/22/04).
- HMI Mechanics assessed the third round of welding work by Clark Machine on the Pontoon Excavator and serviced the air compressor on the Fuel Truck (target date 10/26/04).
- Alban performed 1000 hour PM on Pontoon Excavator (completed 10/26/04).

Site Management and Other:

- New Trailer task list and target dates:
  - Phone system installed by Maryland Inter-Tel (completed 10/01/04).
  - MES IT Department installed computer network (completed 10/18/04)
  - DSL activated by Verizon (completed 10/21/04, MES IT completed software install 10/25/04)).
- Set up rental for two Port-A-Pots at job site (completed 10/01/04).
- Continued tracking assets and assigning appropriate I.D. tags (on-going process).
- Continued working on the new trailer electrical connections (on-going process).
- Septic tank and drain field installed outside old crew trailer (completed 10/20/04 & 10/21/04).
- Septic system hooked up to new trailer and proper functioning of septic system verified with contractor (completed 10/25/04).
- Ordered and installed sign stating "Maryland Environmental Service Main Office" & "Visitors Must Check In Prior to Entering Site" (completed 10/15/04).
- Final bids were collected for purchasing a snow plow for the Chevrolet 2500 (completed 10/21/04). An outside contractor will be hired to perform plowing on an as needed basis.
- Bids collected for both plastic and metal grates for around Maintenance Shop (completed 10/22/04).
- Purchased "Counter" and begin tracking number of loads hauled during MES dike construction efforts (completed 10/08/04).
- Continued removing debris off the wetland area beach. Colossal laborers began working on this task 10/01/04. Additional clean-up activity occurred on 10/15/04 & 10/29/04.
- Communications Electronics, Inc. moved 2-way radio base station from crew trailer to new trailer (completed 10/28/04).

- Purchased 3" water hose & 3/4" garden hose valve for fire hydrant (completed 10/18/04).
- MES Headquarters staff downloaded and labeled photographs of site work for MPA & Citizen's Oversight Committee Meeting on 10/20/04 (completed 10/18/04).
- Ordered signs stating "Caution Underground Cables" (completed 10/22/04).
- Re-graded and compacted stone around parking apron (completed 10/19/04).
- Interviewed candidate for Field Operations Supervisor position (completed 10/21/04).

Construction Activities for the Reporting Period:

Update: MES is conducting construction inspection, subcontractor management, and working on future construction procurements. In an effort to make this update as comprehensive as possible, also included are the tasks completed by various subcontractors during the reporting period.

The following construction activities were completed in October, 2004:

- Cianbro completed installing the piping for spillway #2. The slide rail system was removed and the area backfilled.
- Cianbro completed driving piles for spillway # 1 and set up the pile driving operation at spillway #2
- Cianbro continued to submit and MNE and MES continued reviewing and approving submittals for the gate valve stem and the assembly unit for the gate valves.
- Cianbro began drilling holes in the wooden members of the HDPE pipe support system.
- Findling, Inc. completed the research on the flexible connection before the corrugated metal pipe for spillway #1. It was decided to use HDPE pipe in place of the steel section and to fabricate a connection between the HDPE and the corrugated metal pipe.
- Bayly Septic Systems installed the new septic system.
- MEZ Electric completed installing the electrical panel for the trailer area. Best Electric completed installing the electrical panels for the garage service and the street lighting.
- VSA Inc. completed removal unsuitable material from station 17 to station 21 for the inside dike raising, and began placing material according to the section. As of the end of the month the elevation of the inside section was at approximately +17.
- Work was begun on building the inside section of the dike from station 81 to station 61. The ditch was relocated and material was placed to push out the toe out beyond the old ditch.
- Findling completed the geotechnical analysis for the section from station 61 to station 47. The need for wick drains was ruled out and instead an increased section was proposed.

- Written quotes were received for the replacement of the blocked storm drain system.
- Plans were prepared for the installation of electricity, including lighting and other items in the garage building.

The following activities were in progress during October2004

- Work continued on raising the inside of the dike to 24 feet. Work was concentrated in two areas: in the north cell from station 17 to approximately station 30.
- MNE continued to revise the Erosion and Sediment Control Plan and to respond to comments from MDE.
- Received comments on the plan from MDE and were revising the drawings to respond to the MDE comments.

Project Status Report: **to 09/30/04** **Project Manager:** **John Vasina**

Fiscal Year 2004

No.	Line No.	PIN#	Contract #	Description
1	920	600104-B	597849	C&D Pre-Construction Eng. Design
2	930	600104-D	200001-S	Air Gap System
3	1085	600106-E	597827	Oyster Reseeding Program
4	1140	52210040	502814	Chesapeake Bay Ports System
5	1145	52160020	500829	UM Current Meter Study
6	1150	52240020	502821	UM Economic Studies
7	1180	52170020	501918	UM Ballast Water Study
8	1215	54000010	500912	Site Maint. Work at Masonville
9	1215	54000010	500912	Task #37 Masonville Expansion
10	1225	600105-S	598819	Dredged Material Recycling (Agricultural Use)
11	1255	54010740	500910	MDE Ballast Water Program
12	1340	54012010	500905	Task #7 Masonville Expansion (Kurt Iron)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:	**Project Manager:**
C&D Pre-Construction Engineering Design	**John Vasina**
Assignee(s) (Consultants/Contractors):	**Contract or Task Period:**
U.S. Army Corps of Engineers	**04/23/97 – 09/30/02 (original)**

Budget Line #	PIN #:	Contract #:	Task #, Name:
910 (new 920)	600104-B	597849	

Project Budget (Total): $1,250,400 (as of point of study suspension in FY '01)	**Revisions:**	**Revision #:**

% of Work Complete (Total): 100.00% (as of point of study suspension in FY '01)	**% Expended $ (Total):** 99.97% (as of point of study suspension in FY '01)

% of Work Complete (Crnt. FY):	% Var./Balance:	% Expended $ (Crnt. FY):	% Var./Balance:
0%	0%	0%	0%

Project Goal(s):
To determine optimal design of the C&D Canal deepening project and to undertake an economic evaluation of the project to justify the project's implementation.

Project Objectives:
To complete the Pre-construction, Engineering and Design phase of the Chesapeake & Delaware (C&D) Canal deepening project.

Project Status - Issues/Solutions (both required):

Issues:

- The economic evaluation, if based on the currently available information, would reflect number of negative trends that are short term in nature. Therefore, it would not constitute a suitable basis for making a long term decision pertaining to the project.

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Solutions:

- **Secretary John Porcari recommended to Lt. Colonel Brown of the Philadelphia District Corps of Engineers in his letter of January 16, 2001 to defer consideration of the economic justification of the project until a number of additional factors can be appropriately considered. (including: Vessel operating costs; temporary decline in the number of container vessel arrivals at the Port of Baltimore; shipping industry trends, etc.). The Corps agreed to follow Secretary's recommendation and the project was postponed by three years to allow more representative, long term trends, to be considered.**
- **MPA procured consultant (Dr. John Martin) to investigate the economic feasibility and justification for C&D Canal deepening. Dr. Martin is scheduled to complete his investigations approximately in July 2004.**
- **John Martin's study was completed in September and is currently under pier review.**
- **The Corps of Engineers is in process of issue their C&D report.**

Signature/Date: John Vasina 09-28-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Air Gap System		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Association of Maryland Pilots		**02/18/00 – 03/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
920 (new #930)	**600104-D**	**200001-S; BPO# P020616**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$219,438		**$48,764.00**	**2**
% of Work Complete (Total):		**% Expended $ (Total):**	
100.00%		**100.00%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
100.00%	**0.00%**	**100.00%**	**0.00% (favorable)**

Project Goal(s):

To ensure safety of the container ship lines that call on the Port of Baltimore through the C&D Canal. Because of the bridge over the canal at Chesapeake City, navigation is unusually difficult at certain times. This is due to the varying effects of tide, wind and wave motion, load on a ship, working depth of the water and other factors that may reduce the known clearance between the bridge and the superstructures of ships using the canal.

Project Objectives:

To upgrade, refurbish and maintain the Airdraft Monitoring System at the C&D canal.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **The contract was extended to March 31, 2004. The Board of Public Works allows two years additional extension as long as price negotiated does not exceed a 4% increase for the extended period. Determination has to be made if the new PORTS System will replace the Airdraft Monitoring System maintain by the Pilots.**

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- **Pilots raised issue with clearances under bridges in Chesapeake Bay area (Bay Bridge, Francis Scott Key Bridge)**
- **Pilots requested if the MPA could initiate request to MdTA to conduct survey of the clearances under bridges in Chesapeake Bay area.**

Solutions:

- **Contract was extended to March 31, 2004.**
- **MPA had a meeting with pilots and the representative of MdTA (Nick Deros) to discuss the issues; new surveys will be requested from the MdTA.**
- **MPA is going to issue a letter to Umesh Murthy (MdTA representative) to request the surveys.**
- **Meeting with Pilots and NOAA took place on November 7. Dave McFarland of NOAA reiterated NOAA's determination to install an air gap system under the bridge at Chesapeake City by March 31, 2004.**
- **NOAA confirmed the installation of air gap system at Chesapeake Bay bridge and at Breeze Point.**
- **The contract with pilots will expire 03/31/04.**
- **Eric Nielsen, the President of the Pilots Association was contacted for the final billings of this contract for the period 01/01/04 through 03/31/04.**
- **Maryland Pilots will submit final invoice in June 2004.**
- **The invoice from Maryland Pilots was received.**
- **The activities under this contract were fully substituted by NOAA's PORTS system.**
- **The follow up meetings were held with the representatives of NOAA and pilots in August to assure that the PORTS system covers the navigation needs.**

Signature/Date: John Vasina 09-28-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:	**Project Manager:**
Oyster Reseeding Program	**John Vasina**
Assignee(s) (Consultants/Contractors):	**Contract or Task Period:**
Department of Natural Resources	**06/01/02 – 06/30/05**

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1075 (new #1085)	**600106-E**	**597827**	

Project Budget (Total):	**Revisions:**	**Revision #:**
$6,500,000		

% of Work Complete (Total):	**% Expended $ (Total):**
83.00%	**88.98%**

% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
30%	**70%**	**0.00%**	**100.00%**

Project Goal(s):
To provide large quantities of shells for habitat restoration of oyster population in the Chesapeake Bay.

Project Objectives:

To increase oyster population in the Chesapeake Bay.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **Program was originally structured so that each dollar was awarded for each cubic yard of dredged material that was placed in an open water site in the Bay. Under the current Agreement, the MDOT contributions to the Oyster Recovery program were scheduled to end in FY '02.**
- **DNR's George Hearlth provided invoices for the FY 2003 activities in the amount of $1,625,000.**

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Solutions:

- **New Agreement was executed between MDOT and DNR that will secure funding of the program through FY 2005. Beginning in FY 2002, MDOT shall pay to DNR annual payment of $1.625M from the Transportation Trust Fund.**
- **DNR's repayment of any funds previously advanced to by MDOT is forgiven.**
- **Continuation of the program funding was re-authorized in July, 2003 by MDOT.**
- **Description of the program is being placed on the MPA web-site.**
- **Billing by DNR is expected in March 2004 for the FY 2004.**
- **DNR is being contacted (Chris Judy) to bill for FY '04 funds.**
- **DNR submitted invoice in the amount of $1.625M for FY 2004 activities.**
- **DNR also submitted report pertaining to the fund expenditures in FY 2004 as required by the MDOT/DNR Agreement.**
- **The contract will expire June 30, 2005; needs to be extended (if applicable).**

Signature/Date: John Vasina 09-28/04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:	**Project Manager:**
Chesapeake Bay Ports System	**John Vasina**
Assignee(s) (Consultants/Contractors): The National Oceanic and Atmospheric Administration	**Contract or Task Period:** 10/25/01 – 10/25/06

Budget Line #	PIN #:	Contract #:	Task #, Name:
1130 (new # 1140)	52210040	502814	

Project Budget (Total):	Revisions:	Revision #:
$1,575,650		

% of Work Complete (Total):	% Expended $ (Total):
78.00%	59.06%

% of Work Complete (Crnt. FY):	% Var./Balance:	% Expended $ (Crnt. FY):	% Var./Balance:
30.00%	70.00%	0%	100%

Project Goal(s):
To support safe and efficient navigation by providing ship masters and pilots with accurate real-time information required to avoid groundings and collisions.

Project Objectives:
To design, install, manage on ongoing basis, operate, maintain, and repair NOAA's Upper Chesapeake Bay Physical Oceanographic Real-Time System (PORTS).

Project Status - Issues/Solutions (both required):

Issues:

- New centralized voice system was implemented during the month of March, 2002. The system was installed in Silver Spring, MD, complete with full back up, and providing local (Silver Spring) and toll-free numbers to cover each PORTS.
- MPA needs current update of the status.

Solutions:

- MPA executed an Addendum to the contract to finance operation and maintenance in FY '04 (cost: $215K);

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Prepared by John Vasina
Harbor Development

- **MPA approved the new centralized voice system on February 20, 2002.**
- **The toll free number assigned to the PORTS Chesapeake Bay site is (866) 247-6787**
- **Richard Permenter of NOAA gave the update at Harbor Coordination & Safety Committee meeting on October 2, 2002.**
- **Meeting took place in May with NOAA and Md. Pilots to discuss issues pertaining to PORTS system in the Chesapeake Bay.**
- **Richard Permenter is permanently retiring in August, 2003. David MacFarland became new NOAA PORTS Program Manager.**
- **Kate Bosley is working full-time in another program and she is no longer involved in PORTS activities.**
- **Meeting with Md. Pilots and NOAA took place on November 7, 2003. Dave McFarland of NOAAA discussed issues with MPA and Pilots that were raised by Pilots before retirement of Rich Permenter of NOAA.**
- **PORTS system begin fully implemented in the Chesapeake Bay area in February, 2004**
- **There is a plan for celebration of the implementation of the system at the Secretary's level with NOAA.**
- **MPA Office of Communication will continue planning of the celebration; per Darlene Frank, this task will be assigned to other communications personnel after departure of Richard Berkow.**
- **MPA contacted NOAA in May pertaing to the FY 2004 O&M invoice. NOAA will provide MPA with approximately $215K invoice in June 2004.**
- **Meeting is planned for July, 2004 with NOAA, Maryland Pilots and MPA to discuss issue pertaing to safety navigation in the Chesapeake Bay.**
- **MPA accrued the $215K expenditures for FY 2004.**
- **The new Addendum to the Agreement for 2004 was executed in September, 2004.**
- **Marty Welch of NOAA was contacted at (301) 713-2897, ext. 129 in October, 2004 to obtain an accrued bill from NOAA to cover 2004 cost of maintenance of the system.**

Signature/Date: John Vasina 09-28-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
UM Current Meter Study		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland		**05/31/00 – 06/30/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1135 (MWR # 1145)	**52160020**	**502829**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$553,701			
% of Work Complete (Total):		**% Expended $ (Total):**	
82.00%		**73.64%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
30.00%	**70.00%**	**3.95%**	**96.05% (favorable)**

Project Goal(s):
To enhance the present shipboard-based Monitoring Program with continuous data to aid the detection of long term change in the Bay ecosystem and to forecast water levels currents and weather over the Chesapeake Bay area that will assist in vessel navigation and environmental work for the State's dredged material management program.

Project Objectives:
The purpose of this contract is to allow the University of Maryland Center for Environmental Studies to consult, deploy and maintain a Chesapeake Bay Observing System (CBOS) for the MPA.

Project Status - Issues/Solutions (both required): No additional issues since August 2004 report.

<u>Issues:</u>

- **The final report will be delivered on or before September 30, 2005 to the MPA. MPA will request interim progress report at the end of the FY 2002.**

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Prepared by John Vasina
Harbor Development

Solutions:

- **MPA will contact Dr. William Boicourt in Spring, 2003 to request the interim progress report.**

Signature/Date: John Vasina 09-28-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
UM – Economic Studies		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland (Dr. Dennis King)		**02/01/02 – 01/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1140 (new #1150)	**52240020**	**502821**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$457,690		**$249,750; $320,879**	**2**
% of Work Complete (Total): **78.00%**		**% Expended $ (Total):** **66.06%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
30.00%	**70.00%**	**15.25%**	**84.75% (favorable)**

Project Goal(s):
To support selection of the dredged material placement sites to be included in the Governor's Strategic Plan for dredged material management .

Project Objectives:
To create an economic model that would address comparison of the costs, risks, and benefits of dredged material management options.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **MPA requested report for the work done to date.**
- **Dr. King asked for the Amendment to the contract to continue work to January 31, 2004.**
- **Dr. King requested meeting with MPA to discuss issues pertaining to the cost/benefit ratios allocations for the DMMP suggested placement options, the Inner Harbor sites economic issues, and the issues pertaining to the economic study of the ballast water issue.**

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Solutions:

- **Dennis King delivered the requested report in April, 2003.**
- **MPA approved Amendment #1 in December 2002.**
- **Several meetings took place in October to address economic issues pertaining to the Strategic Plan.**
- **Dr. King submitted to MPA proposal of the scope of work, under the Amendment #2 to the existing contract, to continue work in Year 3 on the project.**
- **Amendment #2 to the contract was executed in December 2003 for $320,879 with time extension to 01/31/05.**
- **Meetings with Dennis King and MPA take place each month to discuss the issues pertaining to the Corps' economic analysis and other economics issues related to DMMP program.**
- **Dr. King's staff is involved in economic analysis of the Poplar Island expansion; the meeting with the Corps are scheduled to take place in May.**
- **Various frequent meetings are scheduled to discuss Corps DMMP and prepare presentations and analysis.**
- **Dr. King's staff is working with MES on economics analysis for Mid-Chesapeake Bay and Poplar Expansion projects.**
- **Dr. King is also working on the expansion of Dr. Martin's report pertaining to C&D cost/benefit justification study.**
- **Dr. King will meet with us in November to discuss work in 2005.**

Signature/Date: John Vasina 09-28-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
UM Ballast Water Study		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland		**09/01/00 – 12/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1170 (new # 1180)	**52170020**	**501918**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$673,277		**$308,697**	**1**
% of Work Complete (Total): **85.00%**		**% Expended $ (Total):** **96.17%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
50.00%	**50.00% (favorable)**	**0.00%**	**100.00% (favorable)**

Project Goal(s):
To identify improved methods for ballast water treatment and management and prevention of boat transport of invasive species.

Project Objectives:
To conduct realistic shipboard trials of methods for the treatment of ballast water, with specific emphasis on the Chesapeake Bay. The primary (voraxial separator) and secondary (ultraviolet irradiation and chemical biocide) treatments to be rigorously tested in the ballast tanks of an ocean going commercial vessel in Baltimore Harbor under normal ballasting conditions.

Project Status - Issues/Solutions (both required):
Issues:

- **Additional work is necessary to probe various issues pertaining to the measurement of the particulate separatory efficiency of the primary treatment (voraxial separator) and of the viability of bacteria, zooplankton and phytoplankton subjected to both primary and secondary treatments and other issues that arised during the course of study which need to be addressed in order to successfully complete the ballast water study.**

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- **The new system is being currently installed on Cape Washington by Dr. Wright and his technical support (Hyde Marine, Inc. and General Shipyard Co.) There are issue with possible deployment of the ship in Persian Gulf.**

Solutions:

- **First Amendatory Agreement to the contract was approved in December 2002 for additional funding of $308,697 with the term extended to December, 2004.**
- **Meeting between MPA and UMCES was held in September, 2002 to address issues pertaining to the Amendment.**
- **University of Maryland was requested to provide MPA with a statement of absence of conflict of interest due to principal investigators (Drs. Wright & Dawson) having patent with C-Clean.**
- **The Phase II of the study will be conducted using the same technology (Maritime Solutions, Inc. microfugal separator) provided it is functional.**
- **The Phase II will take place on the MARAD ship (other than Cape May) docked in the Port of Baltimore. The MARAD ship was not allocated to the project as of February 28, 2003.**
- **Trip was made to Flemington, NJ to observe Maritime Solutions' separator in February 2003.**
- **Several meetings are scheduled for June and July to coordinate work of UM**
- **Maritime Solutions, Inc. withdrew from the joint project with UM to pursue testing of their own system.**
- **Drs. David Wright and Roger Dawson, along with project partner Thomas Mackey of Hyde Marine, Inc. presented the results of their earlier work at the 2nd International Ballast Water Treatment R&D Symposium held at the headquarters of the International Maritime Organization (IMO) in London on July 21-23, 2003.**
- **The University of Maryland started to publish a periodical pertaining to the ballast water issues.**
- **UM together with Hyde Marine, Inc. will install experimental treatment system on the board of Cape Washington by the end of November, 2003.**
- **Dr. Wright submitted preliminary proposal for the extension of the contract to MPA in December 2003. (The proposal is currently being reviewed by MPA).**
- **Debbie Aheron of MARAD is discussing details of work with Dr. Wright and both parties try to set up contingencies for possible deployment of the Cape Washington to the Persian Gulf.**
- **Cape Washington was deployed in Gulf war; MPA and UM are looking for temporary placement of the equipment off shore to continue with the study.**
- **Negotiations are in process to place the equipment and continue with the study at MPA's Clinton Street location.**
- **Meeting is scheduled for July 2004 with MPA management to discuss the project in general, ROE, and the amendment to the contract.**
- **ROE was approved in July 2004**

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- **Contract Amendment to proceed with Phase I of the new study cycle is currently in process; expected to be signed in November, 2004.**

Signature/Date: John Vasina 09-28-04
(Project Manager)

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Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Site Maintenance Work at Masonville		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Maryland Environmental Service		**09/09/02 – 12/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1175 (mw #12/5)	**600105-P**	**500912**	**35**
Project Budget (Total):		**Revisions:**	**Revision #:**
$657,378		**$33,599**	
% of Work Complete (Total): **96.0%**		**% Expended $ (Total):** **97.23%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
80.00%	**20.00% (favorable)**	**36.59%**	**63.41% (favorable)**

Project Goal(s):

To condition the site for further development in support of terminal operations .

Project Objectives:

To suppress phragmites and provide rough grading of the inner harbor Masonville site.

Project Status - Issues/Solutions (both required):

Issues:

- **The scope of work incorporates use of aerial applicator and extensive rental of heavy equipment.**

Solutions:

Active grading and clearing is occurring, with five pieces of equipment in use today. Where grading has occurred, the phragmites growth appears to be mostly controlled. Approximately 50% of the site is graded, and an additional 20% has been cleared and is in the process of being graded. Spraying of approximately 16 acres occurred on July 15, 2003. It is anticipated that this spraying will kill the phragmites

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Harbor Development

above ground growth, but only provide minimal killing of the roots. Jim Sammis of WeedPro informed us that we may not see signs of the Phragmites dying off for 7-10 days, but the plants will begin to translocate the herbicide within 24 hours and this will start the dying process. MES observed signs of yellowing on some of the sprayed phragmites. MES will continue to clear and grade the site including the newly sprayed phragmites. All phragmites as well as the root mat are to be hauled off site to the Quarantine Road landfill. All reasonable effort will be made to remove any phragmites roots and above ground material from the site and not buried on site. Once the site is graded, no spraying will occur until September when the phragmites is fully tasseled. At this time, WeedPro will perform an aerial spray of the entire site at the most appropriate time to kill the phragmites roots and plants.

MES is still looking at completion of grading by the end of July, with the exception of the north side where stabilization still needs to occur. Luis has forwarded a sketch of the areas in need of stabilization. MNE has forwarded specifications for stone and geogrid to David Ferguson who is pursuing costs to provide MPA and MNE with a cost to stabilize these two areas.

Craig Huntley of MES first met Ken at the cell 5 site to discuss boring locations. EBA expects to be on site the end of next week and will be using an ATV for accessing the boring sites. Larry Walsh met us to see the site as well. JMT has previously staked out the existing pipe to make locating the alignment easier.

On phase II, the entire site is graded and rolled, except for the northern end that still needs to be stabilized. David Ferguson is to get Craig cost estimates as well as a record of available funds in the contract. Once we have this information, we can determine how much can be stabilized within the existing funding. A final survey needs to be done on the site, but this should wait until the site is fully stabilized. This is the same area where URS is planning SWM and we will coordinate with their plans.

The phragmites are coming back in some areas, but not heavily or to the point of tufting. If spraying is put off as late as possible, this would be around the third week of October. According to Jim Sammis and everyone else Craig have spoken to, unless the Phrag is tufting, there will not be full translocation to the roots. Because of this, and the fact that the phrag is very thin throughout the site. It appears that the most practical approach is to schedule spraying from a truck or with backpack sprayers and to not use aerial spraying. Once this is agreed upon, we need to let Jim Sammis of Weedpro know, so he can schedule accordingly.
Possible new phase of the project could be implemented to accommodate terminal for Mercedes Benz.

Signature/Date: John Vasina 09-28-04
(Project Manager)

Project Status Report Form
Prepared by John Vasina
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Project Name:		**Project Manager:**	
Masonville Expansion		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Maryland Environmental Service		**07/15/03 – 12/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1175 (new #1215)	**600105-P**	**500912**	**37**
Project Budget (Total):		**Revisions:**	**Revision #:**
$178,675		**$20,000**	
% of Work Complete (Total): **67.0%**		**% Expended $ (Total):** **67.70%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
60.00%	**40.00% (favorable)**	**36.59%**	**63.41% (favorable)**

Project Goal(s):
Preliminary engineering assessment and design for the Masonville Dredged Material Containment Facility.

Project Objectives:
Preliminary design analysis for an expansion of the existing DMCF incorporating features that will facilitate cell closure and conversion and integration into the MPA's Masonville Marine Terminal operation.

Project Status - Issues/Solutions (both required):
Issues:

- **Unanticipated need to design a repalacement of approximately 500 linear feet of 42-inch corrugated metal storm drain pipe which has collapsed at the Masonville site.**

Solutions:

- **Additional funding of $20K was approved on August 12, 2003.**
- **Meeting was held on October 27 with MPA's Engineering Department and**

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Moffatt & Nichol Engineers to discuss additional study needs; specifically, additional borings needed to locate sand borrow areas.

Signature/Date: John Vasina 09-28-04
(Project Manager)

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Project Name:	**Project Manager:**
Dredge Material Recycling (Agricultural Use)	**John Vasina**
Assignee(s) (Consultants/Contractors): University of Maryland - Wye Agricultural Laboratory/MES	**Contract or Task Period:** 09/01/97 – 12/31/06

Budget Line #	PIN #:	Contract #:	Task #, Name:
1190 (new #/225)	600105-S	598819	

Project Budget (Total):	Revisions:	Revision #:
$384,835		

% of Work Complete (Total):	% Expended $ (Total):
91.00%	85.92%

% of Work Complete (Crnt. FY):	% Var./Balance:	% Expended $ (Crnt. FY):	% Var./Balance:
30.00%	70.00%	3.07%	96.93% (favorable)

Project Goal(s):
To make preliminary recommendation that the agricultural use of dredge material is either viable option to be considered for Governor's Strategic Plan for Dredged Material Placement or it should not be considered for the inclusion in the Plan. .

Project Objectives:
To address the benefit created through improving unproductive land (farmland). Additional objective is to quantify the value of unproductive farmland vs. the improved value of the land if dredged material increases agricultural yields.

Project Status - Issues/Solutions (both required):

Issues:

- Need to quantify volume of dredged material that can be realistically applied to the farmland.
- Need for assessment of the viability of this option for the Governor's Strategic Plan.

Need to extend the contract beyond 12/31/02.

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- **MES have scanned Ken Staver's report in as an adobe acrobat pdf file, so whenever MPA decides to distribute to any citizen or other DMMP committees, MES can do that electronically or as a paper file report.**

Solutions:

- **Dr. Ken Staver of University of Maryland gave a presentation on agricultural applications at the Dredged Material Management Program Citizens Advisory Committee meeting on January 9, 2002.**
- **HMI Citizens Oversight Committee visited Wye Institute on August 20, 2002. Dr. Ken Staver gave the tour and presented lecture to the Committee.**
- **MES submitted requested and MPA approved no cost extension to December 31, 2006.**
- **Dr. Ken Staver (principal investigator) will a report to MPA in November, 2003 so the MPA can evaluate viability of this dredged material placement option for the Governor's Strategic Plan.**
- **Meeting with Dr. Staver and MES took place in November, 2003 and the initiation of the new plan for further enhancing the project was approved by MPA. Dr. Staver and MES will present the MPA with the plan in February 2004.**
- **The Wye Agricultural Research Center report was accepted in December, 2003.**
- **A meeting with MPA was held in December to discuss future actions.**
- **A meeting was [planned for February 12 for MES and Wye to develop the requested proposal for future activities with MPA requested a proposal detailing future activity. MES is requesting the ability to allocate $5,000 for laboratory analysis by Wye of recycling project soil samples. Money is available in the budget for this.**
- **MES continues to work on a draft proposal for MPA review for future work. Cece Donovan talked to Ken Staver on March 31 about proposal elements for Wye and set target completion date for a proposal. MES will follow up in July.**
- **Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August1.**
- **MES will submit proposal for new phase of the study in November, 2004.**

Signature/Date: John Vasina 09-08-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
MDE Ballast Water Program		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Maryland Department of the Environment		**01/31/03 – 01/01/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1215 (new # 1255)	**54010740**	**500910**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$161,000		**$0**	
% of Work Complete (Total): **74.00%**		**% Expended $ (Total):** **76.05%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
30.00%	**70.00% (favorable)**	**0.00%**	**0.00% (favorable)**

Project Goal(s):
Implementation of reporting of information by maritime industry to MDE about ballast water. (Maryland legislation enacted in 2000 created an enforceable requirement for the maritime industry).

Project Objectives:
MPA's funding support helps MDE to start the program, draft and promulgate regulations, and set up the ongoing reporting framework.

Project Status - Issues/Solutions (both required):

Issues:

- **Program was originally funded from MPA's operating budget.**

Solutions:

- **Approval has been received from Secretary Porcari to amend the existing MOU between MPA and MDE (Contract No. 500910) and allow MDE to conduct work in support of MDE's ballast water program under this contract.**
- **MDE is submitting quarterly reports.**

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- **MDE's ballast water program regularly update and maintain a ballast water database that is used to collect information about ballast water report forms, ships that enter and depart the State of Maryland, contact information and compliance tracking. MDE is sending compliance verification letters to shipping agents of vessels that did not send in report forms at the end of each month. For example, in 2003, the average compliance rate (prior to receipt of compliance verification letters) was 71%. However, the average compliance rate (after receipt of compliance verification letter) climbed to 94%.**

-

Signature/Date: John Vasina 09-28-04
(Project Manager)

Period to: 09/30/04

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Prepared by John Vasina
Harbor Development

Project Name:		**Project Manager:**	
Professional Dredging Engineering		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Gahagan & Bryant Associates, Inc.		**11/25/02 – 12/11/03**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1270 (new # 1340)	**54012010**	**500905**	**#7– Masonville Expansion (Kurt Iron & Metal)**
Project Budget (Total):		**Revisions:**	**Revision #:**
$36,500			
% of Work Complete (Total):		**% Expended $ (Total):**	
100.00%		**51.76%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
100.00%	**0.00% (favorable)**	**0%**	**100% (favorable)**

Project Goal(s):
To conceptually evaluate new inner harbor facility or facilities for the placement of maintenance and new work dredged materials from the inner harbor sites.

Project Objectives:
Prepare preliminary plans and cost estimates for the alternatives developed. GBA's deliverables will include plan drawings, construction costs estimates, owner costs associated with filling activities, site capacity and containment construction and filling schedules bracketed to capture both the fastest and the most cost effective means of recovering the land.

Project Status - Issues/Solutions (both required): No additional issues since July 2004 report – Task Completed.

<u>Issues:</u>
- **It is necessary to promptly gather information pertaining to these potential dredged material placement sites in order to place them as a possible options for**

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Harbor Development

consideration in Maryland's Dredged Material Management Plan.

Solutions:

- **A preliminary draft series of plan drawings, tables, charts and schedules were submitted by GBA within 14 days of authorization to proceed with this work (November, 2002).**

Signature/Date: John Vasina 09-28-04
(Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:	**MPA Project Manager:**
Poplar Island Expansion Feasibility Study (This project is included under MES Open Ended Consulting EPATS)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service	**08/01/03-12/31/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	Task #44, Poplar Island Expansion Feasibility Study

Project Budget (Total):		**Revisions:**	**Revision #:**
$110,001			
% Complete-Work (Total):		**% Expended (Total):**	
50%		**48.29%**	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
50%	50%	21.70%	78.30%

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

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Project Name: Poplar Island Expansion Feasibility Study
Task #, Name: #44, Poplar Island Expansion Feasibility Study

Project Status – Issues/Solutions (both required):

Subtask 44.1 Task Planning, Technical, Environmental and Administrative Services for the Poplar Island Expansion Project Management Plan Feasibility Studies (MES)

- On September 9th, MES submitted draft minutes from the August 19th meeting to the team for review/comment.
- On September 10th, MES received EA's status report.
- MES prepared for and attended the PDT meeting on September 16th. MES also prepared a meeting summary for this meeting.
- Looked over the draft presentation from EA for the Public Meeting.
- Corresponded internally and with EA regarding remaining funding for GBA.
- On September 19th, MES submitted the monthly status report to MPA.
- On September 21st, MES submitted final minutes from the August 19th meeting.
- MES obtained information for EA on the SAV locations reported in Poplar Harbor.
- MES obtained noise and light information at Poplar for UMCES.

Future Work Anticipated in October:

- MES will prepare for and attend the next PDT meeting on October 21st.
- MES will attend the next public meeting scheduled for October 6th.
- MES will resolve GBA's funding issue.

Subtask 44.2 Poplar Island Expansion Feasibility Project Management Planning Support (EA/GBA)

- On September 28th, EA will attend the planning meeting to discuss the public meeting.
- On September 10th, EA submitted the August status report.
- EA staff addressed some minor technical questions; staff also handled some management issues associated with the subcontractor.

Future Work Anticipated in October:

- EA and GBA will attend the next team meeting scheduled for September 16th.
- EA and GBA will attend the next public meeting scheduled for October 6th.

Signature/Date: Nathan R. Poor 11/03/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Characterization of Sediments, New Work Projects – Inner Harbor
(This project is included under MES Open Ended Consulting EPATS), Task #45

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
01/01/04-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1175	5400010	500912	#45, Character. Of Sediments, New Work Projects- Inner Harbor

Project Budget (Total):

$353,166

Revisions: **Revision #:**

% Complete-Work (Total):

80.00%

% Expended (Total):

50.26%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
80.00%	20.00%	21.91%	78.09%

Project Goal(s):
Characterize the harbor sediments in the Dundalk Marine Terminal (DMT), Seagirt, and Masonville Terminal New Work Areas. This characterization will identify the physical, chemical and cap related test properties to identify the quality of the sediments. These results from this characterization will be evaluated to determine appropriate placement options.

Project Objectives:
1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;

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Harbor Development

Project Name: **Characterization of Sediments, New Work Projects – Inner Harbor**

Task #, Name: **#45, Character. of Sediments, New Work Projects- Inner Harbor**

3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.

Project Status- Issues/Solutions (both required):

- During the month of September MES and EA performed the initial set of volume calculations to determine dredged materials quantities for capping HMI. A cross section of the Seagirt Area was also prepared to delineate the subsurface. This information was prepared to identify the locations where additional information is required on potential sand borrow areas and to delineate the quality of the sediments within the study area.

- A written response to OAS technical memo was distributed on September 27, 2004.

- MES is preparing a scope of work for additional work to further investigate and delineate the Seagirt Area. These additional tasks identified within this scope will support in the planning of the capping at HMI and identify the quantity and quality of the sediments in the study area.

- The last invoice received on this project was on 09/30/04.

Issues:

- No Issues.

Signature/Date: 11/03/04
(MPA Project Manager)

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Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Name:	**MPA Project Manager:**
IGA– Mid Bay Island Study (James Island) Env. Field Studies & Sons. Env. Rep., Task #3	Nathaniel K. Brown
Assignee (s) Consultants/Contractors):	**Contract Period Relevant to this EPATS Task:**
Maryland Environmental Service	11/01/02-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1165	52270020	504804	#3, Env. Field Studies & Cons. Env. Rep. (James Island)

Project Budget (Total):	**Revisions:** **Revision #:**
$335,931	
% Complete-Work (Total):	**% Expended (Total):**
79%	60.98%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
72%	28%	4.58%	95.42%

Project Goal(s):

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

Project Objectives:

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

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Project Name: **IGA – Mid Bay Island Study (James Island)**
Task #, Name: **#3 – Env. Field Studies & Cons. Env. Report (James Island)**

Project Status – Issues/Solutions (both required):

Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)

Subtasks 3.1 – 3.8 (James Island):
Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- MES received updates from Harms on the progress of the reports.
- On September 1st, MES staff participated in a site visit to James Island and prepared a site visit summary to submit to MPA.
- MES received an August status report from Harms on September 7th.
- Corresponded with Harms on depth of one of the sampling locations that seemed deeper than previous sampling at the same location. Harms explained that they drifted a bit off site over a ledge.
- MES submitted the August status report to MPA on September 20th.
- On September 24th, MES received the Final Spring and Supplemental reports from Harms. MES reviewed the reports to make sure the comments had been addressed.
- On September 28th, MES submitted comments that were not addressed in the Final Spring and Supplemental reports.
- On September 30th, MES submitted the James site visit summary to MPA.

Future Work Anticipated in October:

- MES will receive a September status report from Harms on October 6th. MES will submit the September status report to MPA in Mid-October.
- MES anticipates receiving a revised Final Supplemental and Final Spring report from Harms.

Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Harms communicated via email and phone with MES regarding study progress and updates.
- On September 7th, Harms submitted a monthly status report.
- Harms continues to work with their subcontractor on finalizing the reports and submitting the draft consolidated report.
- Harms submitted the Final Spring and Supplemental reports to MES.

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Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Future Work Anticipated in October:

- Harms will submit the revised Final Spring and Supplemental reports to MES.
- Harms will submit a monthly status report to MES on October 6th.

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report

Future Work Anticipated in October:

- Task is completed. No further activity to report.

Signature/Date: Nathan K. Bum 11/03/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: SAV Study at Poplar (AA Comm. College)
Task #, Name: SAV Study at Poplar (AA Comm. College)

Project Name:	**MPA Project Manager:**
SAV Study at Poplar Island (AA Comm. College)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Anne Arundel Community College	**04/01/02-07/31/06**

Budget Line #	PIN #	Contract #	Task #, Name:
1150	52260020	502822	SAV Study at Poplar (AA Comm. College)

Project Budget (Total):		**Revisions:**	**Revision #:**
$149,761			
% Complete-Work (Total):		**% Expended (Total):**	
80%		**64.51%**	
% Complete (Crnt. FY)	**% Var./Balance (Crnt. FY):**	**% Expended (Crnt. FY)**	**% Var./Balance**
97%	**3%**	**00.00%**	**100.00%**

Project Goal(s):

- To create, through plantings of submerged aquatic vegetation, underwater wetlands for the Poplar Island Environmental Restoration project.

Project Objectives:

- Activities for this study would take place over a four-year time line.
- SAVs would be planted in Poplar Harbor and monitored over the four-year period for growth and survivorship;
- A resource and planting methodology for the state will be established;
- A photographic record will be established.
- A record of plants supplied for other environmental projects, with acknowledgements to MDOT/MPA will be maintained for five years.
- Yearly progress reports will be submitted to MDOT/MPA on this study.

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Project Name: **SAV Study at Poplar (AA Comm. College)**
Task #, Name: **SAV Study at Poplar (AA Comm. College)**

Project Status – Issues/Solutions (both required):

- Attached is a quarterly report for July to September 2004 report from Dr. Ailstock. It is challenging to get him to submit monthly project status reports.
- The most recent invoice received from Dr. Ailstock on this project was received November 21, 2003.
- There has been no reported changes since last month's status report.

Signature/Date: 11/03/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Integrated Feasibility and EIS Documentation
This project is included under IGA –Mid Bay Island Study (MES)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
07/01/04 – 12/31/04

Budget Line #	PIN #	Contract #
1165	52290020	504804

Task #, Name:

#8, Integrated Feasibility and EIS Documentation

Project Budget (Total):
$436,517

Revisions: **Revision #:**

% Complete-Work (Total):
5%

% Expended (Total):
1.51%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
5%	95%	2.19%	97.81%

Project Goal(s):
This study will focus on restoring hundreds of acres of aquatic and terrestrial habitat for fish, shellfish, reptiles, amphibians, birds and mammals and will include concepts consisting of wetland and upland components.

Project Objectives:
- Project documentation will be in the form of an Integrated Feasbility and Environmental Impact Statement (EIS).
- MES will provide technical coordination and integration services for regulatory compliance relative to the provisions of the federal water pollution control act (FWPCA) and National Environmental Policy Act (NEPA).

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- Contract management services and planning and coordination services will be provided.
- Presentation development services will be provided.
- Writing, assembly and production of draft and final environmental documentation for the Mid Bay Islands Integrated Feasibility and Environmental Impact Statement will be provided.

Project Name: Integrated Feasibility and EIS Documentation
This project is included under IGA –Mid Bay Island Study (MES)

Project Status – Issues/Solutions (both required):

- MES held internal team meetings to discuss upcoming deadlines and assign writing tasks.
- Continued discussions of how to address fish abundance issue in EIS.
- MES continued to coordinate with the Corps on resolving comments to section 2 of the EIS. On September 10th, MES submitted a revised draft of section 2 to the Corps/MPA.
- Coordinated with Corps to obtain final copy of the Barren Modeling report to use in writing the EIS.
- Received comments from the Corps on the draft outline for the Existing Conditions section of the EIS.
- MES corresponded with EPA and MDE on the cumulative impacts section of the EIS, particularly for water quality issues.
- MES coordinated with MGS to obtain dates of shoreline erosion figures to use in EIS.

Future Work Anticipated in October/November:

- On October 5th, MES will prepare for and attend the EIS meeting.
- MES will submit a revised draft of section 2 that addresses all comments received thus far to MPA/Corps.
- MES will work on drafting the Existing Conditions section of the EIS.
- MES will request an extension for submitting the Existing Conditions section to November 3rd

Signature/Date: 11/03/04
(MPA Project Manager)

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Project Name: **Analysis of Emissions from Ship & Port Operations – Study Phase II**
Task #, Name: **#15, Analysis of Emissions from Ship & Port Operations – 2ndPhase**

Project Name:	**MPA Project Manager:**
Analysis of Emissions from Ship & Port Operations – Third Phase (This project is included under MES Open Ended Consulting EPATS)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service/Edwards & Kelcey (E & K)	**12/15/00-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	#15, Anal. Of Emissions from Ship & Port Ops. –3rd Phase

Project Budget (Total):	Revisions:	Revision #:
$161,952	$55,028	3

% Complete-Work (Total):	% Expended (Total):
66%	66.43%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
3%	97%	3.35%	96.65%

Project Goal(s):

- To produce a report on air emissions from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from shop and MPA operations in the Port of Baltimore.
- To produce a report on possible demonstration scale implementation of catalytic after-treatment technologies on tugboats operating in the POB: and to investigate idle reduction technologies for intermodal trucking operations serving the POB.

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Project Name: **Analysis of Emissions from Ship & Port Operations – Study Phase II**
Task #, Name: **#15, Analysis of Emissions from Ship & Port Operations – 2ndPhase**

Project Objectives:

- To gather information on air emissions from Port activities.
- To investigate and identify possible targets for reductions in air emissions from Port activities.
- To produce reports that can be management tools in identifying objectives and criteria to reduce emissions from Port activities.

Project Status – Issues/Solutions (both required):

- A kick off meeting for the Phase III study was held on September 14, 2004. MES, Edwards & Kelcey (E&K) and Williams Associates Engineers attended the meeting, with Rick Sheckells from MPA in attendance by phone. In the meeting, a discussion was held on the actions that will be initiated to gather information on pilot scale study of air emission reductions from tugboat after-treatment systems and trucking idle reduction technologies. Action items were identified in the meeting summary, and after inquiry by Nat Brown from MPA, he was informed of the outcome of the meeting and support needed from MPA.
- Andrew Parker contacted MES and requested that the start dates for the pilot study surveys be delayed to enable MPA to complete identifying the representatives of the tugboat and trucking industries. MES responded that this was acceptable, but that the overall schedule should be tracked, as there is currently a February task completion date identified in the original Task approval from MPA. If that February date is going to change, MPA will also need to approve the schedule change.
- E&K, in their monthly status report, indicated that they had received Paul Swenson's contact information from Mr. Sheckells. His phone number is 410-732-9614. Mr. Swenson referred E&K to Mr. John Archer of Moran as a tugboat contact. His phone number is 410-732-9642. E&K is waiting for MPA to make the first contact with Sam Azarello as a trucking contact, although that may be superceded by the information in the next bullet.
- E&K also received an update on the Port Access study referred to in the original task proposal. MPA had requested that this study be used in the completion of the Phase III study. E&K contacted Paul Oberle, MDOT, to learn the status of their Port Access study. They are just starting and have only had a project kick-off meeting. The contractor is

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Project Name: **Analysis of Emissions from Ship & Port Operations – Study Phase II**

Task #, Name: **#15, Analysis of Emissions from Ship & Port Operations – 2ndPhase**

Cambridge Systemmatics. Mr. Oberle indicated that their first task is a gate truck survey at the various terminals. The CS PM is Don Vary (301-347-0100). Mr. Oberle will let Don know that that Andrew will call him next week to discuss this task and their schedule. Mr. Oberle said he would make task information available to E&K if it were useful. It does sound useful. Andrew will let inform MES of the results of the call. E&K relayed that it may suggest that the truck idle activity survey be delayed to take advantage of their work and/or join them with the survey effort.

Signature/Date: 11/03/04
(MPA Project Manager)

Project Status Report Form
Prepared by
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Project Name: Interagency Agreement MDE/MPA Monitoring
Task #, Name: #2, Baltimore Harbor TMDL Project

Project Name:	**MPA Project Manager:**
Interagency Agreement MDE/MPA Monitoring	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**01/31/03-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
1215	54010710	500910	#2, Baltimore Harbor TMDL Project

Project Budget (Total):		**Revisions:**	**Revision #:**
$164,000			
% Complete-Work (Total):		**% Expended (Total):**	
50%		**20.93%**	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
50%	50%	0.00%	100.00%

Project Goal(s):

- To conduct water quality related computer modeling of Baltimore Harbor.

Project Objectives:

- To estimate non-point source loads, simulate fate of toxics in Baltimore Harbor – harbor models and provide detailed assessment (Upper Bay Model) – VIMS.

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Project Name: **Interagency Agreement MDE/MPA Monitoring**
Task #, Name: **#2, Baltimore Harbor TMDL Project**
Project Status – Issues/Solutions (both required):

- The toxic TMDL is currently being drafted.
- Modeling scenarios are currently being run for both the toxics and nutrient TMDLs.
- MDE expects to submit final nutrient and toxic sediment TMDLs to EPA in September 2004.

Signature/Date: Nathan K. Ban 11/03/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 21st Year Monitoring Contract
Task #, Name: HMI 21st Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 21st Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/02-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
840	50030020	293644	21st Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions: Revision #:**
$306,446	
% Complete-Work (Total):	**% Expended (Total):**
98%	**86.95%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
98%	2%	0.00%	100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

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Project Name: **HMI 21st Year Monitoring Contract**
Task #, Name: **HMI 21st Year Monitoring Contract**

Project Status – Issues/Solutions (both required):

- Draft reports are currently being reviewed internally and no delays in final deliverable submission are expected
- A no-cost extension for this project was approved to allow expenditure of funds through FY05.
- All funds will be expended by that time and all final deliverables will be submitted.

Signature/Date: 11/03/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 22nd Year Monitoring Contract
Task #, Name: HMI 22nd Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 22nd Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/03-04/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
845	50030020	293644	22nd Year Monitoring Contract, (MDE)

Project Budget (Total):		**Revisions:**	**Revision #:**
$320,719			
% Complete-Work (Total):		**% Expended (Total):**	
50%		**12.99%**	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
50%	50%	0.00%	100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

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Project Name: HMI 22nd Year Monitoring Contract
Task #, Name: HMI 22nd Year Monitoring Contract

- The summer sampling for Year 22 was completed in September 2003.
- No unusual conditions or delays have befallen the project.
- Sorting of benthic macroinvertebrates in the lab is complete.
- Identification of benthic organisms has begun.
- All samples have been collected by MGS and CBL and analyses **have begun.**
- Draft reports are scheduled to be submitted to MPA by the end of December 2004.

Signature/Date: 11/03/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 23rd Year Monitoring Contract
Task #, Name: HMI 23rd Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 23rd Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/04-01/31/06**

Budget Line #	PIN #	Contract #	Task #, Name:
846	50030020	293644	22nd Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:**	**Revision #:**
$321,944		

% Complete-Work (Total):	**% Expended (Total):**
5%	**0.00%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
5%	95%	0.00%	100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

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Project Name: **HMI 23rd Year Monitoring Contract**
Task #, Name: **HMI 23rd Year Monitoring Contract**
Project Status – Issues/Solutions (both required):

- The first field sampling has been conducted. MDE sampled on September 24, CBL and MGS sampled on Sept. 23rd and 24th.

Signature/Date: 11/03/04
(MPA Project Manager)

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Project Name: APG General Reconnaissance
Task #, Name: #32 – APG General Reconnaissance

Project Name:
APG General Reconnaissance
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service/Andrews, Miller & Associates, Inc.

Contract Period Relevant to this EPATS Task:
4/25/02 - 6/30/05

Budget Line #	PIN #	Contract #	Task #, Name:
1175	5400010	500912	#32, APG General Reconnaissance

Project Budget (Total):

$271,849

Revisions: **Revision #:**

% Complete-Work (Total):

95%

% Expended (Total):

95.34%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
95%	5%	3.32%	96.68%

Project Goal(s):

- Place dredged material at the site as a natural resource for protecting valuable environmental habitat and from further shoreline erosion.
- General reconnaissance of the Aberdeen Proving Ground area to develop information regarding environmental and coastal conditions and unexploded ordinance and hazardous materials issues, identify land and water areas that are potentially suitable for use as dredged material placement sites.

Project Objectives:

- To conduct/develop a reconnaissance level of study of land and water areas within the boundaries of Aberdeen Proving Ground (APG) that are potentially suitable as dredged material placement sites with emphasis on water areas in the Chesapeake Bay and tributaries and

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Project Name: APG General Reconnaissance
Task #, Name: #32 – APG General Reconnaissance

on land areas with riparian access or otherwise accessible from the APG shoreline.

- Identify and characterize the types, conditions, and prospective locations in composite format of hazardous and toxic materials that may be encountered.
- Identify and characterize the types, ages, conditions and prospective locations in composite format of UXO that may be encountered.

Project Status – Issues/Solutions (both required):
Issues

- Tasks 1-4 of the AMA contract are complete. This includes: the determination of APG Military and Superfund Status Relative to Dredged Material Management; Environmental Conditions Reconnaissance; Hazardous Materials and UXO Reconnaissance and Preliminary Risk Assessment; and Coastal Engineering Reconnaissance. Still underway are the preparation of the final report, supplemental tasks as assigned and general project and task management. Upon completion of the final report, the ten project objectives listed above shall be met.

- For Task 5, Final draft of the: The Reconnaissance Study of Environmental Conditions at APG, UXO and Hazard Analysis in the Chesapeake Bay, and Coastal Engineering Reconnaissance Study for APG were delivered to MES September 30, 2004. A few minor modifications were found in the final report and these comments were submitted to AMA. The final report modifications are expected to be returned to MES in October and the final report will be delivered to MPA in October.

- No outstanding issues.

- The most recent invoice received for this project was on 09/30/04.

Signature/Date: Nathan L. Poore 11/03/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Name:

IGA – Mid Bay Island Study (Barren Island Environmental) Task #3 (0313)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
4/18/03-12/31/04

Budget Line #	PIN #	Contract #
1165	52270020	504804

Task #, Name:
#3 (0313), Barren Island Environmental

Project Budget (Total):

$433,482

Revisions: **$94,486**

Revision #: **1**

% Complete-Work (Total):

90%

% Expended (Total):

91.21%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
85%	15%	43.82%	56.18%

Project Goal(s):

- To conduct the feasibility level study of restoration of Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Objectives:

- To determine the feasibility of placing dredged material to restore Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

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Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Status – Issues/Solutions (both required):

Subtasks 3.9 – 3.16 (Barren Island):

Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)

- MES continued to coordinate on all aspects of this study with BBL.
- On September 2nd, MES staff participated in a site visit to Barren Island and charged this time to Task 1 as approved by MPA since funding is quite low for the Barren task.
- On September 9th, MES received BBL's August status report.
- MES submitted the August status report to MPA on September 20th.
- On September 30th, MES submitted the Barren site visit summary to MPA.

Future Work Anticipated in October:

- MES will receive copies of the Final Supplemental report from BBL and review to make sure comments have been addressed.
- MES will submit the September status report to MPA in Mid-October.
- MES will receive a September status report from BBL on October 6th.

Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)

- BBL submitted a monthly status report on September 9th.
- BBL communicated via email and phone with MES regarding study progress and updates.
- BBL continues to work on the reports.
- BBL worked to address comments on the Draft Final Supplemental report and make sure these comments were reflected in the Draft Final Consolidated report to ensure consistency.

Future Work Anticipated in October:

- BBL will submit a monthly status report on October 6th.
- BBL will submit a Final Supplemental report to MES.
- BBL will submit a Draft Final Consolidated report to MES.

Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)

- Task is completed. No further activity to report.

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Harbor Development

Project Name: **IGA – Mid Bay Island Study**
Task #, Name: **#3, (0313) Barren Island Environmental**
Future Work Anticipated in October:

- Task is completed. No further activity to report.

Signature/Date: Nathan K. Bun 11/03/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

Project Name:	**MPA Project Manager:**
Hart-Miller Island Ph Study	Nathaniel K. Brown
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service	2/01/03-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	#38, Hart-Miller Island Ph Study

Project Budget (Total):	**Revisions:** **Revision #:**
$234,173	
% Complete-Work (Total):	**% Expended (Total):**
80%	39.52%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
80% (Adjusted to reflect additional subtasks added August 2004)	20%	8.48%	91.52%

Project Goal(s):

- To review existing and potential conditions in dredged material containment that may cause acid forming conditions and to assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control the acid forming conditions.

Project Objectives:

- To identify and assess existing and potential conditions that may cause acid forming conditions at HMI.
- To identify and assess dredging and dredged material containment operations that may cause acid forming conditions at HMI.
- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.

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Prepared by
Harbor Development

Project Name: **Hart-Miller Island Ph Study**
Task #, Name: **#38, Hart-Miller Island Ph Study**

- Identify and assess the suitable solutions for the management and control of acid forming conditions; and to identify and assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control Ph formations.

Project Status – Issues/Solutions (both required):

Issues

- None

Solutions

- None

Other MES Activities

- Prepared August progress report and reviewed client invoice for accuracy.
- Finalized contract change order for additional North Cell closure work by subcontractor.
- Coordinated with subcontractor in preparation for October submittals and meetings.
- Presented the results of the HMI Ph Buffering Plan of Action to the HMI Citizens Oversight Committee meeting on September 21.

Contractor (M&N / OAS) Activities:

- Planning for North Cell closure scenario report.
- Review of geotechnical plans for permeability evaluations of new work dredging sediments.

Future Activities:

- MES will coordinate, facilitate and attend two working meetings in October for the development of the closure plan scenario.
- MES will continue to manage M&N and OAS in the development of the closure plan scenario document scheduled to be finalized the end of October.
- MES will attend additional North Cell closure meetings that are planned for November (to be scheduled by DNR).

Signature/Date: Nathan K. Zinn 11/03/04
(MPA Project Manager)

Date: as of 9/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development Task #, Name:_____

Project Name: Poplar Island Site Development

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/04-06/30/05

Budget Line # 900 **PIN #: 51030040**

Contract #: 502813 **Task #, Name:**

Project Budget (Total): $4,120,000

Revisions: **Revision #:**

% Complete (Total): 25%

% Expended - $(Total): 34.29%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
25%	25%	34.29%	65.71% (favorable)

Project Goal(s): Operation of the project efficiently, safely, and in compliance with the regulatory requirements. To manage the material placement to place the maximum amount of material while meeting the objectives of the project.

Project Objectives:

- **Environmental Monitoring, meeting the discharge criteria.**
- **Prepare and maintain the infrastructure for long term sustained operations.**
- **Conduct operations in compliance with environmental concerns.**
- **Recover sand for future operations.**
- **Develop the wetlands into a viable habitat.**
- **Conduct tours and site visits to tell the Poplar Island success story.**

Project Status - Issues/Solutions (both required): The current focus of the facility is

Date: as of 9/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development Task #, Name:_____

the construction of Cell 3D into a viable wetland using dredge material, completion of the phase 1 cell cross dikes and weir boxes installation, discharging water from the undeveloped wetland cells, erosion repair along roads/dikes, crust management in active cells as conditions allow.

Crust Management: There was no crust management activity during the month of September due to wetland cell inundation and bench construction activity in cell 2.

Cross dikes: All phase 1 cross dikes are complete. Weir structures and crossover pipes have been installed in all cross dikes. Dredge material has been excavated from the cells and placed on the slopes to protect them from erosion during the 04 federal inflow event.

Cell 3D: Major channel excavations were completed by 8/27. Fine grading of channels and the development of a 20:1 slope along the top channel edge will continue through October. 98% of the excavated channel material has been transported and placed within the appropriate fill zone in accordance to the USACE plan. Final grading to the +1.5′ elevation has fallen slightly behind schedule. The USACE estimated that an additional 3,500 cubic yards of material would be needed to achieve an average cell elevation of +1.5′, as of 30 September, over 6,675 cubic yards of material has already been hauled into cell 3D from the surcharge pad and cell 5 stockpile. MES estimates an additional 6,000 to 8,000 will be needed to achieve target marsh elevations throughout the cell.

Land base: MES has completed all preparations and permitting for the land base parking lot improvements. MES continues to work with the property owner to schedule a contractor to begin the work.

Other Activities: MES has maintained the water elevation in cell 5 to facilitate sand removal and dike construction. Pre-construction meetings were held on site for the 04/05 federal inflow event scheduled to begin late October/early November. Environmental staff made efforts to control an avian botulism outbreak in cell 1. A pad was constructed in the southwest corner of cell 3A to facilitate a future maintenance shelter. MES reconstructed the southeast slope of cell 6. The slope was armored with concrete pipe recycled from the cell 1 Isabel breach. Dike and road maintenance conducted thought the Island. A total of 19 tours were conducted on Poplar Island during the month of September.

Signature/Date: David L Bulo 102104
(Project Manager)

Project Status Report Form
Prepared by MES for
Harbor Development

Project Name:

Poplar Island Environmental Restoration Project (This project is included under MES Open Ended Consulting EPATS)

MES Project Manager:

Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract Period:

01/01/04 – 01/31/04

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
	54000010	500912	#46, PIERP Adaptive Mgmt. Plan (AMP)

Project Budget (Total):

(Contract Amount) $292,019

Revisions:

Revision #:

% Complete (Total):

45%

% Expended (Total):

45.10%

% Complete (Crnt. FY):	**% Var./Balance (Crnt. FY):**	**% Expended (Crnt. FY):**	**% Var./Balance:**
45%	**55%**	**25.26%**	74.74%

Project Goal(s):
- **Continuation of services on the Poplar Island Adaptive Management Plan (AMP) and Project Management Plan (PMP).**
- **Development of the updated Poplar Island Habitat Development Framework (HDF).**

Project Objectives:
- **Provide revised drafts of the HDF.**
- **Provide technical support and contractor oversight for the continued development of the AMP and PMP.**
- **Provide support at the AMP team meetings and HDF development meetings (Habitat Sub-group Meetings).**

Project Name: Poplar Island Environmental Restoration Project
Task #, Name: #46, Adaptive Management Plan (AMP)

Project Status – Issues/Solutions (both required):

- **<u>Issues</u>**

Project Status Report Form
Prepared by MES for
Harbor Development

- Task management database needs to be updated for Fiscal Year 2005.
- EA has indicated that they may have difficulty achieving their MBE goal because their MBE contractor has determined that the task management database does not require as much input as originally planned.

- **Solutions**

  - MES will continue to finalize 2004 task closeouts and develop 2005 task forms.
  - EA will work with Corp to initiate development of 2005 task forms.
  - EA has identified an additional MBE Contractor and within-scope work for that Contractor to perform. MES has reviewed the MBE Contractor's qualifications and internally added the Contractor to EA's contract list.

- **MES Activities:**

  - Contractor oversight and management.
  - Drafted August progress report; reviewed and approved subcontractor and client invoices.
  - Continued updating all closed, existing and FY 05 environmental work tasks for inclusion in the task management database.

- **EA Engineering, Inc. Activities:**

  - Scheduled and prepared for October 19 AMP review meeting.
  - Completed initial data entry into AMP database.
  - Revised/upgraded database as necessary based on experience of Phoenix.

- **Future Activities:**

  - MES will finalize all closed, existing and FY05 environmental tasks sheets. The information will be forwarded to EA for incorporation into the task management database.

Total Contract Amount: $292,019

Total 09/30/04 Invoice: $9,587

Total Amount Invoiced as of 09/30/04: $132,956

Project Manager/Date: David T Bibs 102904

******INTERNAL USE ONLY*******

Cox Creek DMCF
Task Update
September 2004

****All tasks included in this update (except where noted) are funded from the approved FY 05 Cox Creek Operations and Monitoring Budget. Costs associated with specific Cox Creek monitoring tasks are not tracked separately, unless requested.****

Environmental Monitoring Tasks for Reporting Period:

Update: Monitoring activities at Cox Creek during the reporting period were based on correspondence and coordination with the Maryland Department of the Environment (MDE) that led to the development of an approved storm water monitoring plan (July 2003). Under this plan, stormwater that collects at the facility is tested and discharged to the Patapsco.

With high zinc concentrations occurring throughout the month, MES has been collecting additional daily grab samples and coordinating a 24-hour laboratory turn around time for results to assist in making operational decisions. MES also continues to prepare and submit a monthly report to MDE documenting the metal and ammonia concentrations in the storm water being discharged from Cox Creek.

- Collection of 8-hour composite sample during stormwater discharge
- pH monitoring in the South Cell Sump 1 Pond every two hours
- Maintained and calibrated lab and field equipment daily
- Monitored the pH of the ponds in the South Cell daily
- Monitored the transfer of water from the North Cell to the South Cell
- Transported daily and weekly samples to laboratory and compared the results with MDE guidelines to maintain discharge
- A weekly ambient sample of the receiving water was taken to determine the acute ammonia toxicity criteria (performed on 09/02/04, 09/09/04, 09/24/04 and 09/27/04)
- Hach kit tests were performed to test ammonia concentrations in the Sump pond and in the ambient samples
- Determined when and added lime to the South Cell ponds based on pH levels and metal concentrations
- Compiled data into weekly and monthly reports
- Began implementing the supplementary monitoring plan for the Swan Creek mitigation area
- Completed a vegetation survey of the wetlands
- Performed seining of the wetland to determine fish diversity
- Maintained analytical databases
- Ordered supplies for environmental monitoring

- Continued mosquito sampling and reporting of site conditions to MES headquarters and Maryland Department of Agriculture (on-going process).

Future: MES will continue the water quality monitoring and prepare the September 2004 monthly report. The Swan Creek Mitigation Area plan was finalized and submitted to MPA for review. The plan will be implemented and monthly reports on the mitigation site will be submitted under separate cover.

Meetings, Tours & Events:

- 09/10/04 National Aquarium of Baltimore (NAIB) and the North County Land Trust came out to survey their acre plot of wetland.
- 09/10/04 – the "Bird Lady" came out to observe the bird populations in the Swan Creek Wetland.
- 09/14/04 @ 8:00 a.m. - Cox Creek Construction Meeting - Location: On-site.
- 09/14/04 @10:00 a.m. - Spillway construction meeting w/ Cianbro - Location: On-site.
- 09/24/04 Biohabitats came out to the Swan Creek Wetlands for their company Volunteer Day.
- 09/28/04 @ 8:30 a.m. - Cox Creek Construction Meeting - Location: On-site.
- 09/28/04 @10:00 a.m. - Spillway construction meeting w/ Cianbro - Location: On-site.

Cox Creek Discharge Permit:

Update: MES meet with the MPA on September 9, 2004 to review the draft discharge permit limits. The meeting minutes were distributed on September 17, 2004. On September 24, 2004 MES submitted the Letter Report on Cox Creek and HMI Groundwater Issues to MPA. The Critical Area Commission (CAC) pollution calculations were performed and discussed several times during this month. The meeting with the CAC it is scheduled for the beginning of November. The public hearing for the Cox Creek discharge permit is tentatively scheduled for November 9, 2004.

Operations Tasks for Reporting Period:

Update: The MES operations group is currently conducting tasks which can be split into the following categories: general operations, equipment maintenance and repair tasks, and site management and other in an effort to prepare the Cox Creek site for future inflow operations.

Construction Activities:

- VSA & MES further stripped *Phragmites* & root mats to expose useable material in the N. Cell & S. Cell, respectively.
- MES continued to push up and reclaim good quality material from the South Cell.

- MES hauled material from South Cell stockpile to the berm construction areas in the South Cell.
- MES continued to create a berm in South Cell to hold water back from toe of perimeter dike – required for future bench construction.
- MES hauled material from South Cell stockpile to placement area for dike construction. Currently working in area of station 81+00 – 72+00.
- VSA continued to bring the area between stations 19+00 – 22+00 up to the 24' elevation.
- MES Created trenches in both the N. Cell and S. Cell to drain water away from construction activities.
- MES excavated the manway to allow for removal of concrete plug at end of storm drain system (completed 09/02/04).
- Cianbro continued work on construction of Spillway #001 & Spillway #002 (target date for completion of both spillways - end of November 2004).

Equipment Maintenance and Repair Tasks:

- Daily operational maintenance performed on all heavy equipment.
- Daily servicing of 6" pumps.
- McClung-Logan performed fluid sampling & 500 hr. PM service on Volvo Dump Trucks (completed 9/07/04).
- Goodyear completed 10,000 mile service for Ford Explorer, and 5,000 mile service on Chevrolet 2500 Extended Cab (completed 09/10/04 and 9/17/04, respectively).
- Preventative maintenance service was performed on the D6R LGP Dozer, CAT 325 Short Reach Excavator and D5N Dozer (completed 09/08/04 and 09/09/04).
- HMI Mechanic assessed the second round of welding work on the Pontoon Excavator, and replaced all lock nuts provided by manufacturer (completed 09/01/04).
- Communications Electronics, Inc. installed 2-way radios in the Bomag Roller and new F-150 Pickup Truck (completed 09/02/04).
- Purchased snow tires for Ford F-150 & Goodyear mounted/balanced as required (completed 09/10/04).
- Arranged for installation of spray-in bed liner for Ford F-150 pickup (completed 09/22/04).
- Had Ford Explorer faulty brake sensor fixed by Norris Ford (completed 09/23/04).
- Ordered 2-way radios for Water Truck and Road Grader (completed 09/23/04).
- 500 hr. preventative maintenance service and fluid sampling on both Volvo Dump Trucks (completed 09/16/04).
- Purchased and installed step rails and tow hitch on Ford F-150 (completed 09/17/04).
- Cutter Marine performed PM service on Boston Whaler (completed 09/30/04).

Site Management and Other:

- Colossal Contractors, Inc. finished power washing and painting the Maintenance Shop (completed 09/21/04).

- Colossal Contractors removed old ceiling lights throughout maintenance shop (completed 09/24/04).
- New Trailer task list and target dates:
  - ✓ Continued working with MES IT Department for computer network install (target date for system install 10/15/04).
  - ✓ Phone system to be installed by Maryland Inter-Tel (target date 10/01/04).
  - ✓ Possible DSL service is being checked into and may replace the satellite dish if available. (DSL verification completed 08/06/04, target date for service install 10/15/04).
  - ✓ Continue working with Verizon to have phone lines moved over to New Trailer (completed 09/17/04).
- Continued working on the new trailer electrical and sewage service connections (on-going process).
- CR 6 stone delivery awaiting final site preparations prior to delivery.
- WTM Enterprises, Inc. completed their efforts to clean out the storm water drain system (completed 09/20/04). The concrete plug may be removed from the drain now, and the water allowed to flow through the system to the storm water pond.
- Ordered and installed sign stating "Maryland Environmental Service Main Office". Other signs stating "Visitors Must Check In Prior to Entering Site" still to be installed (target date 10/11/04).
- Further patched holes in main access road with cold asphalt patch (completed 09/14/04).
- Options for snow plowing the facility entrance road and parking area have been researched. A snowplow for the Chevrolet 2500 will be purchased and prices are being obtained. In addition, an outside contractor will be hired to perform plowing on an as needed basis.
- Millenium Chemicals was contacte and a copy of their warning siren information was obtained. A safety tailgate was completed on this topic on 09/02/04.
- Obtained prices on new fiberglass grates for the Maintenance Shop drainage system (completed 09/27/04).
- Purchased new 3" water hose fitting for fire hydrant (completed 09/23/04).
- Obtained contact information for Baltimore Aquarium site visits to Cox Creek and forwarded to the MPA as requested (completed 09/23/04).

Construction Activities for the Reporting Period:

Update: MES is conducting construction inspection, subcontractor management, and working on future construction procurements. In an effort to make this update as comprehensive as possible, also included are the tasks completed by various subcontractors during the reporting period.

The following construction activities were completed in September:

- Cianbro installed several sections of corrugated pipe on the downstream section of spillway #1 and backfilled with stone and clay. The slide rail system was removed and installed at spillway #2.

- Cianbro worked on installing the piping for spillway #2. The slide rail system was installed and the upstream area excavated. The sleeves were pushed through the slurry wall and the pipes placed and the area backfilled.
- Cianbro began driving piles for spillway #1
- Cianbro continued to submit and MNE and MES continued reviewing and approving submittals for various parts of the spillway construction project, particularly for the grating and for the pile driving equipment.
- Two progress meetings were held in September.
- MNE inspected the spillway structure and the gate valve system and several issues were identified and reported to Cianbro (regarding the stem on the valve and the attachment mechanism and the bracing of the structures during transport and erection).
- Findling, Inc. researched information on the flexible connection before the corrugated metal pipe for spillway #1.
- Bids were received for the septic system installation and a contract awarded to Bayly Septic Systems.
- MEZ Electric continued installing the electrical panel for the trailer area.
- VSA Inc. completed removal unsuitable material from station 17 to station 21 for the inside dike raising and began placing material according to the section. As of the end of the month the elevation of the inside section was at approximately +17.
- Work was begun on building the inside section of the dike from station 81 to station 61. The ditch was relocated and material was placed to push out the toe out beyond the old ditch.
- Findling completed the geotechnical analysis for the section from station 61 to station 47. The need for wick drains was ruled out and instead an increased section was proposed.

The following activities were in progress during September:

- Moffatt and Nichol received comments from MPA Engineering on the 90% design of the revised unloading pier. A meeting was held with MPA Harbor Development to discuss the 90% design.
- MNE submitted the Erosion and Sediment Control Plan to MDE and received comments on the plan from MDE and were revising the drawings to respond to the MDE comments.
- MES continued working on the construction of the inside toe of the dike, which will be the foundation for the eventual dike raising to elevation +36.

Date: 10/15/04

Project Status Report Form
prepared by
Harbor Development

Project Name: Site 92 Comprehensive Monitoring

MPA Project Manager: Dave Bibo

MES Project Manager: Elizabeth Habic

Assignee(s) (Consultants/Contractors):
MES
MDE
MGS

Contract Period:

05/1/98 – 06/30/06

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1100	600106-H	599910	

Project Budget (Total):

$1,126,259.11 (years 1-7)

Revisions:

Revision #:

% Complete (Total):

Year 1 & Year 2: 100%
Year 3 & Year 4: 100%
Year 5: 100%
Year 6: 70%
Year 7: 10%

% Expended (Total):

54% ($603,554.61 through September 2005)

% Complete (FY 04):
90%:
Revised FY 04 Budget: $200,940.50.
FY 05 Budget: $120,850.61
(FY05 budget is based on FFY05 budget of $241,701.22 split 50/50 with CENAP)

% Expended (FY 04):
92.4%: Balance $185,594.11

Var/Balance:
7.6%/$15,346.39

Expended in FY 05:
Balance $98,254.99

Var/Balance:

Project Goal(s): Management of site monitoring activities at Site 92

Project Objectives: Conduct management activities of site monitoring activities at Site 92

Project Status - Issues/Solutions (both required):
September:
See attached status report

October:
MES will prepare for and moderate a PI Team meeting in Chesapeake City on October 6th.
MES will draft a meeting summary for the October 6th PI Team meeting.
MES will draft and distribute the draft Year 7 Site Management Plan for review and then submittal to MDE.
MES will distribute the Year 7 Site Monitoring Plan to the PI Team.

David Bibo
10 29 04

Date: as of 9/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF Task #, Name:_____

Project Name: Hart-Miller Island DMCF **Project Manager: David Bibo**

Assignee(s) (Consultants/Contractors): MES **Contract Period: 07/01/04 – 06/30/05**

Budget Line #810 **PIN #:600102-C** **Contract #: 384002A** **Task #, Name:**

Project Budget (Total): $3,900,000 **Revisions:** **Revision #:**

% Complete (Total): 25% **% Expended (Total): 12.09%**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
___20%	___80%	8.83%	91.17% (favorable)

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.

Project Objectives:

- **Environmental Monitoring, meeting the discharge criteria.**
- **Gahagan & Bryant Associates (GBA), MES and the MPA are developing closure plans for the north cell. Action is ongoing.**

Project Status - Issues/Solutions (both required): The current focus of the facility is dewatering, material recovery and bench construction. Southern Maryland Dredging has completed the Bill's Boats dredging project and resumed inflowing material for Pleasure Island Cut completion is now late October. Site personnel are repairing and raising benches, at the North and East sides of the North Cell for the construction of a temporary berm, to prevent future freeboard issues. Approval of the temporary berm was granted . Preventive maintenance work continues on the spillway gate rail systems in the North

Date: as of 9/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF Task #, Name:_____

cell as inflow/dewatering conditions allow. Great Lakes is the low bidder for this years Federal work, their arrival at HMI is expected sometime in January or February. MES has had a couple of dry runs for hurricane preparation and are remaining alert to the track of future storms. MES has obtained quotes for relocating the electrical at the North cell spillways and are working on handrail relocation and replacement prior to the electrical work being completed.

Signature/Date: David Belvo 10 2004

Date: 9/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island South Cell Task #, Name:_____

Project Name: Hart-Miller Island S. Cell Restoration **Project Manager: David Bibo**

Assignee(s) (Consultants/Contractors): MES **Contract Period: 3/01/99 - 04/30/10**

Budget Line # 865 **PIN #: 600102-L** **Contract #: 500607** **Task #, Name:**

Project Budget (Total): 1,080,000.00 **Revisions:** **Revision #:**

% Complete – Work (Total): 71% **% Expended - $ (Total): 73.79%**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
1%	80%	9.07%	90.73% (favorable)

Project Goal(s): Restore the Hart-Miller Island South Cell creating a habitat for migratory birds, consisting of mud flats, nesting island, and uplands.

Project Objectives:
- **Provide habitat for migratory birds.**
- **Allow citizens to observe the birds from viewing areas**

Project Status - Issues/Solutions (both required):
South Cell: The USACE contractor, Geo Con, has completed almost all of the contract requirements. The pumping and sprinkler systems were successfully tested in late September, the communications system still needs to be tested. Geo-Con must also prepare and provide as-build drawings and correct punch list items before they demobilize. Baker, the USACE and the project sponsors are preparing a punch list for Geo-Con. Major item of work remaining is the repair to the walkway due to erosion because of sparse ground cover and some electrical repairs.
MES will prepare contract documents and sub-contract the spillway repairs. The spillway is currently being evaluated and a revised design is being prepared to correct the deterioration.
Meadville Land Service subcontractor of Geo-Con performed replacement plantings. Due to the height of some of the volunteer plants in the South Cell there is a need to mow some of the uplands to a lower height to help the survivability of the new plantings and allow them to become established. MLS has been contracted by MES to perform this mowing and will finish mowing and some manual weeding on 10/01/04.

Date: 9/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island South Cell Task #, Name:_____

Signature/Date: David Bibo 10 29 04
(Project Manager)

Date: as of 9/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF Task #, Name:_____

Project Name: COX CREEK DMCF **Project Manager: David Bibo**

Assignee(s) (Consultants/Contractors): MES **Contract Period: 07/01/04 – 06/30/05**

Budget Line #765 **PIN #: 53050040** **Contract #: 504907** **Task #, Name:**

Project Budget (Total): $2,239,901 **Revisions:** **Revision #:**

% Complete (Total): 25% **% Expended (Total): 51.13%**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
25%	75%	0%	

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To prepare the site for the first placement cycle.

Project Objectives:

- **Dike raising of both cells.**
- **Site preparation for initial inflow, to include; access channel and spillways**
- **Environmental Monitoring, submitting and receiving the discharge permit.**
- **Dewatering in preparation of future construction, within discharge criteria.**
- **Monitoring and maintenance of the Swan Creek mitigation site.**

Project Status - Issues/Solutions (both required) The current focus of the operation is dewatering the cells, recovering and hauling material for construction of benches for dike raising. This has included trenching, liming of the water, creation of sumps, clearing and grubbing the site and pushing up material, allowing it to dewater and hauling it to the desired location.

Date: as of 9/30/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF Task #, Name:_____

The office trailer will be ready for use in mid-October, the phones lines have been moved and the telephone system has been installed, DSL service will be available on October 18, 2004 and the computer network and server will be installed at that time.

The design of the electrical system has been completed; MES currently has contractors making preparation for the transformers in the trailer area and the guardhouse area. As soon as an inspection is completed, BGE will run the lines and set the transformer, and connect commercial power.

The septic system design was approved by Anne Arundel County, a contract has been awarded and installation is scheduled for mid-October.

The maintenance shop has been power washed and painted, a new garage door has been installed and the ceiling lights have been removed in preparation for new electrical service. The interior electrical is under design, and upon completion the work will be advertised. MES has done some initial investigation of the storm sewage system and has attempted to remove blockages.

nstruction Status:
Dike: Further dike raising will be completed by MES, utilizing a combination of MES employees and contractors. The MES engineering division and geotechnical subcontractors will oversee the construction. MES subcontractor, VSA has mobilized equipment and along with MES equipment operators are currently constructing benches for dike raising. In addition, stockpiling material and clearing and grubbing areas of the north cell as future borrow areas, continues.
Spillway: Construction began in July and the completion date is December 15, 2004. Cianbro continues spillway construction, and has completed the dike penetrations; the steel structure have been fabricated and galvanized off site. Pile construction has begun and will continue for another 5 weeks. .

Signature/Date: David Bilo 10.29.04
(Project Manager)

*** For Internal Use Only ***

POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT

Environmental Monitoring Task Update

September 2004

All tasks included in this update (except where noted) are funded from the approved FY 05 Poplar Island Environmental Restoration Project Operations and Monitoring Budget. Costs associated with specific Poplar monitoring tasks are not tracked separately, unless requested.

This update does not include MES activities associated with regular operations and crust management environmental monitoring. That information is reported in a separate monthly report to MPA.

Algae sampling

Update: Algae sampling resumed in April and will continue through October 2004. Samples are analyzed by DNR. In September, an additional sample was collected on 9/27 due to a cluster of deceased birds near Cell 1. *Anabaenopsis* can be toxic; however, it is more toxic in fresh water than brackish water. The operations and monitoring staff on site was notified of the results and appropriate safety measures were triggered. The sample that contained *Anabaenopsis* is being tested for toxicity and the test results are pending. In June, *Anabaenopsis* was also found in Cell 1; the resultant analysis indicated there was no toxicity.

MES Tasks for Reporting Period:

- Collected 2 sets of algae samples and 1 additional sample related to the deceased birds
- Delivered algae samples to DNR within 24 hours of collection
- Updated algae sampling spreadsheets

Future: Algae monitoring will continue until November. The algae sampling spreadsheets and graphs will be updated and emailed out to the algae group periodically. If any species of concern are found in the samples, the project team will continue to be notified and proper precautions will be taken at the site.

Post Isabel Monitoring

Update: MES managed additional sediment monitoring in Poplar Harbor by EA and analysis of the samples by MGS. An executive summary of the MGS sediment sampling was received by MES in mid-February. MES is still awaiting the delivery of the full report on this sampling and data analysis.

MES Tasks for Reporting Period:

- No activity on this task in September 2004.

Future: MES will review the MGS sediment report when it is received from MGS. The final report will be forwarded to MPA and CENAB.

Volatile Solids Study

Update: This study was conducted during the month of August 2003 in an effort to determine the percentage of solids in the PIERP discharge that has a biological origin. MES received the final data in November and has begun to interpret the data and prepare a report. MES has also been in consultation with MDE to aid in the data interpretation. MES met with MDE on May 20th and received further guidance to finalize the report.

MES Tasks for Reporting Period:

- Continued to review data and finalize data interpretation based on MDE's guidance.

Future: MES will finalize the data spreadsheets, draft the volatile solids study report and send the report to MPA and CENAB for their review. MES will follow up on the guidance received by MDE when drafting the report.

Habitat Development Framework/
Adaptive Management Plan (EPATS Task 46)

Update - Habitat Development Framework (HDF): The April version of the HDF has been finalized with the incorporation of the comments from the HSG members. The HDF was handed out at the WG meeting on May 25th. This document will be updated again in early 2005 as reports and recommendations are received from the 2003 framework monitoring studies.

Update - Adaptive Management Plan (AMP): MES continues to manage the AMP. Under the EPATS Agreement, progress on this task is reported in a separate progress report.

Future: MES will continue to provide input to the AMP and update the HDF annually.

Cell 4DX Monitoring (EPATS Task 40)

Update: Under the EPATS Agreement, tasks completed by UMCES for Cell 4DX are reported in a separate progress report. The 2004 Cell 4DX Monitoring plan was drafted and implemented in June. Sampling under the 2004 Cell 4DX Monitoring Plan continues.

MES Tasks for Reporting Period:

- Continued sampling required by the 2004 Cell 4DX Monitoring Plan.

Future: MES will distribute monthly the spreadsheets detailing the results of the Cell 4DX monitoring. By early 2005, MES will prepare a 2004 Cell 4DX report.

Harbor Sedimentation Survey

Update: This project is directly managed through the MPA and their subcontractor (Moffatt and Nichol). MES provided project management and technical review services as requested by MPA. ME S reviewed the draft report in April 2004 and submitted comments.

Future: MES will provide a QA/QC review of the final report if requested by MPA.

Working Group Coordination

Update: MES has been providing all of the planning, coordination, handouts and meeting summaries, for the bi-annual working group and sub-group meetings. MES has also been drafting the monthly WG updates, as requested by CENAB and MPA. The HSG was scheduled to meet in late August/early September; however, there was a consensus that an update memo would be more appropriate as there was little to review with the HSG. The next Working Group meeting has been scheduled for November 5, 2004.

MES Tasks for Reporting Period:

- Development of August WG update.
- Distribution of July and August WG update.
- Preliminary planning for the November WG meeting.

Future: MES will continue to provide monthly WG updates (for distribution by the Corps). In place of a Habitat Subgroup meeting, MES will prepare an update for the HSG. The update is planned to include the Corps' plan for relocating the habitat islands. MES is still awaiting receipt of this plan. MES will coordinate all aspects of the November WG meeting.

Poplar Exterior/Framework Monitoring

Update: MES continues to manage the contractors performing the 2004 sediment and the faunal monitoring per the monitoring framework plan. MES prepared a scope of work and coordinated the contractual agreements necessary to initiate the 2004 sediment monitoring. MES is working with the Corps to review the exterior monitoring reports for 2003 in preparation for development of the 2003 Annual Report.

MES Tasks for Reporting Period:

- Contract management for exterior monitoring (contracts managed by MES).

Future: MES will start reviewing the 2003 reports, as they are received, and begin preparing the 2003 Annual Report. Additionally, MES has begun to develop the scope of work for select 2005 monitoring tasks.

Other Tasks

- MES is assisting USFWS and APHIS with the bird and wildlife population control.
- MES drafted a Cell 3D Monitoring Plan and meet with MDE on September 21 to review this plan. Based on comments received at that meeting, the plan is being updated and will be submitted to the project team for review in October.
- Due to heavy mosquito populations, MDA was contacted and an aerial spray was conducted at the site in late September.
- MES assisted USFWS with locating, identifying and removing the dead/sick birds that were discovered on the site during the last week in September.

PROGRESS REPORT

Project: OPEN-WATER PLACEMENT SITE 92 **Period: September 2004**
MPA Contract No.: 599910
MPA PIN: 600106-H
CENAP Contract No.: DACW61-03-C-00031
MPA/CENAP Contract Amounts:

Year 3: $157,430.09
Year 4: $162,130.72
Year 5: $164,790.13
Year 6: $122,424.27
Year 7: $118,680.93

A. Site Management

1. MES continued drafting the Year 7 Site Management Plan.

B. Consolidation and Resuspension

1. MGS discovered and corrected an error in the Hurricane Isabel Study and forwarded the revised Final Report to MES for distribution to the PI Team.

2. MGS completed the 9-month post-placement bathymetric survey (September 27-28, 2004) and sediment coring cruise (September 30, 2004).

3. MGS completed the pre-placement bathymetric survey (September 27-28, 2004) and sediment coring cruise (September 30, 2004).

4. MGS submitted a monthly status report to MES for the month of August on September 1, 2004.

C. Benthic Community Evaluation

The benthic community evaluation will not be performed until approximately 18 months after the end of all placement activities at Site 92.

D. Technical Support

1. MDE attended the July 13th PI Team meeting.

2. MDE attended the August 11th conference call with B+B Dredging.

3. MDE attended the August 18th conference call with CENAP and B+B Dredging.

4. MDE reviewed prior documentation, letters and memos related to the use of a hopper dredge at Site 92.

5. MDE reviewed and commented on MGS recommendations in the Year 5 Placement Consolidation to minimize future sedimentation loss associated with thin lift placement to reach target elevations.

6. MDE reviewed the Year 4 Final Comprehensive Monitoring Plan.

7. MDE composed a memo to CENAP in response to comments by B+B Dredging regarding the use of hopper dredges for open-water placement at Site 92.

8. MDE submitted a quarterly status report to MES for the months of July and August on September 29th.

E. Technical Integration

1. MES distributed the electronic version of the final Year 5 Placement, Consolidation, and Erosion Study Report.

2. MES finalized, printed and mailed the Year 5 Comprehensive Monitoring Report to the PI Team on September 13th.

3. MES coordinated studies and principal investigators to maximize efficiencies and exchange information during the study period.

4. MES communicated with principal investigators as necessary to review findings of the studies and to coordinate activities.

5. MES verified and tracked deliverables and findings as necessary.

6. MES provided overall program QA/QC to ensure that report and project elements met stated technical objectives.

7. MES provided technical information and guidance as necessary for current and future Site 92 placement actions, permits, certifications and specifications.

8. MES advised MPA and CENAP on proposed schedules and tasks involved in the Site 92 environmental documentation.

9. MES reviewed the MGS Pooles Island Capacity Estimate and coordinated with MGS on the assumptions used in the report.

F. Project Management

1. MES coordinated with MGS and MDE for submittal of project status reports.

2. MES tracked and processed invoices and coordinated with MGS and MDE on invoice submittals.

3. MES forwarded the MGS Pooles Island Capacity Estimate report to CENAP.

4. MES submitted a draft of the FFY05 Site 92 Comprehensive Monitoring Budget and Scope of Work to CENAP.

5. MES monitored progress on all work tasks and informed the clients on its status.

6. MES submitted a monthly status report for the month of August on September 15, 2004 to MPA and CENAP.

7. MES submitted a monthly financial report to MPA for the month of August on September 20th.

G. Turbidity Plume Monitoring

1. Turbidity plume monitoring is conducted only when placed materials exceed the authorized elevation of –14 MLLW and dragging is determined necessary. The elevation at Site 92 will be evaluated after all placement has ended for Year 7 and the Study Team will determine whether dragging is necessary and thus whether Turbidity Plume Monitoring is necessary.

HART-MILLER ISLAND DMCF
Environmental Monitoring Task Update
September 2004

*****All tasks included in this update (except where noted) are funded from the approved FY 05 Hart-Miller Island Operations and Monitoring Budget. Costs associated with specific HMI monitoring tasks are not tracked separately, unless requested.*****

Groundwater Study

Update: All monitoring and analysis for the main component of the groundwater study (dike transmissivity and water quality) has been completed. Four quarterly reports have been finalized and the subcontractor (URS) submitted the draft-consolidated report on December 4, 2003. The final report was received as expected on July 14, 2004. MGS was scheduled to submit the draft report for their component of the study on June 3. MES is continuing to work with MGS to obtain the draft report.

MES Tasks for Reporting Period:

- None

Future: MES will continue to provide updates to the HMI Citizens Oversight Committee as requested. Additionally, MES will continue to coordinate with MDE to determine whether sampling at the "old wells" can be discontinued and replaced with use of the new wells from the groundwater study. MES will continue working with the MGS to obtain the final reports.

Plan of Action (POA) to Control Low pH (EPATS Task 38)

Update: Additional subtasks were added to this task. New subtasks include activities to implement the POA for the closure of the North Cell. Under the EPATS agreement, progress on this task is detailed in a separate progress report.

Future: MES will continue to manage the implementation of the POA for the closure of the North Cell.

Vegetation (*Phragmites*) Monitoring – South Cell

Update: MES continues to implement the Phragmites control plan for the wetland and upland areas of the South Cell. Spraying of the upland portion of the South Cell began in August and continued through September. Meadville Land Service (MLS) mowed the South Cell upland area and replaced some dead shrubs and saplings.

MES Tasks for Reporting Period:

- Finished spraying of upland portion of South Cell
- Distributed a memo reviewing the S. Cell *Phragmites* Plan for CENAB & MPA
- Continued to research vendors and costs for the South Cell upland seed mixture

Future: The *Phragmites* control plan will continue to be followed. MES will begin planning for a spring seeding in the South Cell to help control *Phragmites*. Please see additional details in the following vegetation update.

Vegetation (*Phragmites*) Monitoring – North Cell / DNR Marshes

Update: In October, *Phragmites* spraying finished in the MD DNR marshes. Approximately 60% of the North Cell has also been sprayed.

MES Tasks for Reporting Period:

- *Phragmites* control
- Equipment repair for *Phragmites* control equipment

MES Tasks for Reporting Period:

Future: MES will continue spraying Phragmites in the North Cell until the plants go dormant (approximately mid October). After spraying is finished, MES will perform all necessary maintenance on the equipment and place it into storage. MES will also store the remaining herbicide and complete the appropriate reporting for herbicide usage. Prior to next year's Phragmites control season, MES will send suitable headquarters employees for herbicide application certification and training to provide an increased workforce for *Phragmites* management.

South Cell Monitoring

Update: One set of South Cell water quality samples were collected in September (9/27). The mudflat water distribution system was tested on 9/29 with MPA, USACE, and MD DNR present. UMCES conducted Interior Sediment & Soil Quality sampling on 9/08 and removed the data loggers. On 9/29 Jeff Cornwell (UMCES) provided MES with a brief overview of the data collected during the first monitoring year.

MES Tasks for Reporting Period:

- Water quality monitoring per HMI SCERP monitoring plan.
- Coordinated UMCES site visit.
- 9/29 UMCES meeting

Future: MES will begin Year 1 water quality monitoring per the monitoring plan. Jeff Cornwell (UMCES) will finish the Baseline Interior Sediment & Soil Quality sampling per the monitoring plan, and conduct the last visit of this monitoring year in October. A report from UMES on the first year of monitoring is expected at the end of November; the consolidated report on the first year of monitoring at the South Cell is scheduled for completion in January.

North Cell Closure / Sediment Sampling

Update: The remaining data from the North Cell sediment sampling event was received and is being reviewed and compiled into the summary spreadsheets. The next meeting for the N. Cell berm construction will be on October 18th.

MES Tasks for Reporting Period:

- Review and preparation of summary tables for North Cell sediment data.

Future: MES will continue to provide requested support to the HMI Closure Planning Team as requested. Once all of the North Cell data is received, MES will prepare a summary report detailing the findings. MES will prepare an "Issues" memo pertaining to mining closure material from the North Cell.

HMI Discharge Permit Renewal

Update: The new discharge permit became effective on July 1, 2004. On September 9, 2004, MES met with MPA to review the new permit.

MES Tasks for Reporting Period:

- 9/9 meeting with MPA to review the new permit requirements.

Future: A mixing zone study will need to be undertaken in order to keep the interim limits for ammonia, copper and zinc that were given in the draft permit. In addition, every 6 months MDE is requiring an update letter on the studies that are ongoing, the first update is due January 2005. The quarterly Discharge Monitoring Reports will be updated for the new permit limits and sampling requirements.

HMI Algae Monitoring

Update: Algae sampling resumed in April; two sets of samples were collected (9/09 & 9/23) in September and analyzed by DNR.

MES Tasks for Reporting Period:

- Collected two sets of algae samples
- Delivered algae samples to DNR lab for analysis
- Updated the 2004 algae sampling spreadsheet

Future: MES will continue to conduct bi-weekly algae sampling through October 2004. If anything of concern shows up in the analysis, MES will immediately notify MPA and MDE. The algae sampling spreadsheet will be sent out periodically to DNR and MPA.

Other

- MES has initiated mosquito control measures for 2004 including periodic monitoring for larvae and adult populations. The toxic materials permit (TMP) to apply larvicide to the

storm water collection trenches near the office building and personnel pier was approved and MES is prepared to conduct control efforts in this area, if needed.

- MES attended the HMI Citizens Oversight Committee meeting on 9/21 and presented the results of the HMI Soil Buffering Plan of Action Report.

Project Status Report Form
Prepared by MES for
Harbor Development

Project Name:

Sediment Monitoring and Plant Survival, Cell 4DX, PIERP
(This project is included under MES Open Ended Consulting EPATS)

MES Project Manager:

Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract Period:

07/01/03 – 01/31/05

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1175	**54000010**	**500912**	#40, Sediment Monitoring & Plant Survival, Cell 4DX, PIERP

Project Budget (Total):
(FY05) $339,058
(Contract Amount) $406,153

Revisions:

Revision #:

% Complete (Total):

50%

% Expended (Total):

23.01%

% Complete (Crnt. FY):

% Var./Balance (Crnt. FY):

% Expended (Crnt. FY):

14.64%

% Var./Balance:

Project Goal(s):

- **To monitor the dredged material test plots in Cell 4DX to gauge the suitability of dredged material as a planting substrate by studying the sediment biogeochemistry, pore water biogeochemistry, suitability of the dredged material as a planting substrate and the success of the plants in the dredged material test plots.**

Project Objectives:

- **To monitor the dredged material test plots to quantify the degree of success in meeting the goals of the project for establishing healthy marshes. To monitor the dissolved phase of the water in the dredged material substrate. To conduct analysis on the solid phase dredged material substrate. To determine how the pore water and sediments are affecting the plant growth and success in the dredged material test plots. To evaluate the suitability of the dredged substrates in supporting marsh vegetation and compile a planting list of the most adapted marsh species to the dredged material (contingent task).**

Project Status Report Form
Prepared by MES for
Harbor Development

Project Name: Sediment Monitoring and Plant Survival, Cell 4DX, PIERP
Task #, Name: #40, Sediment Monitoring and Plant Survival, Cell 4DX, PIERP

Project Status – Issues/Solutions (both required):

- **Issues**
  - Subcontractor draft report was due June 30; request was made to extend due date until August in order to finish phytotron experiment and include analysis in report. Contractor has requested an additional extension until end of October.
  - The contractor has noted that the results that are being compiled into the draft report indicate that most of the information needed in Cell 4DX has been obtained. Contractor has suggested that UMCES efforts may be more worthwhile in Cell 3D.

- **Solutions**
  - Draft report due date revised to August 30.
  - MES will discuss a potential no-cost task amendment with MPA to determine whether UMCES efforts should now be switched to Cell 3D, building on information gained through the study of 4DX.

- **MES Activities:**
  - Contractor oversight and management.
  - Subcontractor invoice review and processing.
  - August progress report for MPA.
  - Implemented new 4DX monitoring plan.

- **MES Future Activities:**
  - Continued subcontractor oversight and management.
  - Review of UMCES 2003 / 2004 Monitoring Report.
  - Coordinate with MPA and UMCES to determine whether additional studies will be needed in 4DX or 3D for the 2004 / 2005 monitoring year. If needed, prepare a new scope of work and task amendment.

- **UMCES Activities:**
  - Finalized phytotron experiment.
  - Draft 2003 / 2004 Monitoring Report.

- **UMCES Future Activities:**
  - Submission of draft report.
  - Recommendations for future monitoring based on 2003 / 2004 results.
  - Attendance and update at November PIERP Working Group meeting.

Total Contract Amount: $406,153
Total Amount of 09/30/04 Invoice: $5,288
Total Amount Invoiced as of 09/30/04: $99,361

David Bliss 10 29 04

Project Status Report Form
Prepared by
Harbor Development

Project Name:
MPA-MES-Maryland Geological Survey (MGS) 3-Way Coastal Geology Services IGA
(This project includes no billings by MES. All MES labor associated with this contract is billed through EPATs Task 2 or the cost center the services are associated with, through prior arrangement and with approval by MPA.)

MPA Project Manager:
Dave Bibo

MES Task Manager
Cecelia L. Donovan

Assignee(s) (Consultants/Contractors):
Maryland Environmental Service
Maryland Geological Survey

Contract Period:
April 3, 1996 Through Dec 31, 2006

Budget Line #	PIN #:	Contract #:	Task #, Name:
	600105-S	**596924**	

Project Budget (Total):	Revisions:	Revision #:
$300,000 (Original)		
$600,000 (Revised Total)	$300,000	1
$900,000 (Revised Total)	$300,000	2

% Complete (Total):	% Expended (Total):
47%	**53%**

% Complete (Crnt. FY):	% Rem. (Crnt. FY):	Expended (Crnt. FY):	Balance:
50%	**50%**	**$0**	**$159,311.27 committed to tasks but not yet invoiced** $302,215.21 not yet committed to tasks

Project Goal(s): To provide coastal geology services to Port-related projects by the Maryland Geological Survey, with technical oversight by MES.
Project Objectives: To provide coastal geology services to the Dredged Material Management Program and Port related projects. To support environmental monitoring and documentation of MPA projects associated with Port activities, dredging projects, and environmental restoration projects and alternatives.
Project Status - Issues/Solutions (both required):

- No invoices received in August or September – MGS reviewed payments and one task appears to be incorrectly summed – this will be checked and corrected for next month.
- One new task was identified – Task 39 – Poplar Island Sediment Quality Monitoring 2004. MES recieved a cost proposal from MGS, it was relayed to MPA for approval in October.

Signature/Date: David Bibo 10 28 04
Project Manager

Project Status Report Form
Prepared by
Harbor Development

MGS-MES-MPA Three Way Agreement
MPA Contract # 596924, Pin # 600105S
Monthly Activity Report
Monthly Activity Report
August 2004

Task Number	Task Name	Activity
21	James Island Survey and Interpretation	No activity
23	Barren Island Acoustic Sub-Bottom Survey	No activity
24	Holland Island Acoustic Sub-Bottom Survey	No activity
25	Inner Harbor Sites Acoustic Sub-Bottom Survey	No activity
26	James Island Acoustic Sub-Bottom and Side-Scan	No activity
27	Site 170 Acoustic Sub-Bottom and Side-Scan	No activity
28	Sparrows Point Acoustic Sub-Bottom and Side-Scan	No activity
29	Poplar Island Acoustic Sub-Bottom Survey	No activity
30	HMI Anoxic Well Monitoring	No activity.
32	Sharps Island Side Scan	No activity
34	Poplar Sediment Chemistry 02/03	No activity.
35	DMMP Support	Jeff Halka attended Citizens committee meeting.
36	NOB 8-10 Resurvey	No activity.
37	PI-Isabel Oysters	Draft report in preparation.
38	PI-Isabel Sed Chem	Completed.

Project Status Report Form
Prepared by
Harbor Development

Monthly Activity Report
September 2004

Task Number	Task Name	Activity
21	James Island Survey and Interpretation	No activity
23	Barren Island Acoustic Sub-Bottom Survey	No activity
24	Holland Island Acoustic Sub-Bottom Survey	No activity
25	Inner Harbor Sites Acoustic Sub-Bottom Survey	No activity
26	James Island Acoustic Sub-Bottom and Side-Scan	No activity
27	Site 170 Acoustic Sub-Bottom and Side-Scan	No activity
28	Sparrows Point Acoustic Sub-Bottom and Side-Scan	No activity
29	Poplar Island Acoustic Sub-Bottom Survey	No activity
30	HMI Anoxic Well Monitoring	No activity.
32	Sharps Island Side Scan	No activity
34	Poplar Sediment Chemistry 02/03	No activity.
35	DMMP Support	Jeff Halka attended BEWG and Executive Committee meetings.
36	NOB 8-10 Resurvey	Draft report in preparation.
37	PI-Isabel Oysters	Draft report in preparation.

Date: October 29, 2004

Project Status Report Form
prepared by
Harbor Development

Project
Open-Ended Contract for Professional Dredging, Dredged Material Placement, Site Design & Site Operations

Project Manager:
Dave Bibo

Assignee(s) (Consultants/Contractors):
Gahagan & Bryant Associates, Inc. (GBA)

Contract Period:
September 2004

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1270	54012010	500905	Task 4 HMI Closure

Project Budget (Total):
238,300

Revisions:

Revision #:

% Complete (Total):
65%

% Expended (Total):
64.75%

% Complete (Crnt FY):	**Var/Balance:**	**% Expended (Crnt FY):**	**Var/Balance:**
30%	Favorable/70%	00.00%	Favorable/100.00%

Project Goal(s.
Develop a plan for final closure of the North Cell of Hart-Miller Island Dredged Material Placement Site by FY 2009.

Project Objectives:
1. Maximize the potential capacity of the site
2. Include a cap of clean sediment as a final uniform lift of about three feet in FY 2008 & 2009
3. Coordinate with dredging contractors, MES and MPA on near term inflow episodes at HMI

Project Status - Issues/Solutions (both required):

Pending issues are a) Temporary Berm construction b) Scheduling of new work and cap material prior to closure, c) Impacts of upcoming MDE discharge permit.

Inflow plans have been reviewed in regards to filling to maximize capacity.

The Closure Team is scheduled to meet October 25 and 26. This meeting should set the agenda for addressing closure issues.

Signature: David Bibo
(Project Manager)

Date: October 29, 2004

Date: October 29, 2004

Project Status Report Form
prepared by
Harbor Development

Project

Open-Ended Contract for Professional Dredging, Dredged Material Placement, Site Design & Site Operations

Project Manager:

David Bibo

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc. (GBA)

Contract Period:

September 2004

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1270	54012010	500905	Task 10 - Poplar Island-Post Isabel Survey & Sampling

Project Budget (Total):

85,200

Revisions: **Revision #:**

% Complete (Total):

85%

% Expended (Total):

82.28%

% Complete (Crnt FY):	**Var/Balance:**	**% Expended (Crnt FY):**	**Var/Balance:**
50%	Favorable/50%	7.21%	Favorable/82.79%

Project Goal(s):

Collect hydrographic and topographic survey data along the perimeter of all future wetland cells and throughout Poplar Harbor. Sediment samples will be collected and tested for grain size and other related laboratory testing to determine the source of any significant locations of sediment transport.

Project Objectives:

Project Status - Issues/Solutions (both required):

- All field work complete.
- Preparation of hydrographic survey report.

Signature: David Bibo
(Project Manager)

Date: October 29, 2004

Date: October 29, 2004
For Period: 9/01/04 –9/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name: EPATS TASK 2 – Technical Support

Project Manager: MPA – Dave Bibo
MES - Cece Donovan

Assignee(s) (Consultants/Contractors):
MES
General Physics

Contract Period: May 1999 – June 2005

Reporting Period: September 2004

Budget Line #	PIN #:	Contract #:	Task #, Name:
1175	54000010	500912	0302 – Technical Support

Project Budget (Total):

$712,132

Revisions:	Revision #:
$ 100,000 added 8/00	1
$ 100,000 added 6/01	2
$ 100,000 added 10/01	3
$ 100,000 added 04/02	4
$ 200,000 added 09/02	5
$16,000 added 03/03	6

% Complete (Total):

Ongoing – tasks assigned as needed by MPA

% Expended (Total):

84.24%

% Complete (Crnt FY): **Var/Balance:**

% Expended (Crnt FY): 26.53% **Var/Balance:** 73.47% favorable

Project Goal(s): To provide support to MPA for dredged material planning.

Project Objectives: To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

Project Status - Issues/Solutions: During this period, MES provided technical support to the DMMP process, and MES also continued technical support to the Corps' DMMP process, with General Physics attending a September 8 Port Safety Committee Meeting and MES and GP attending an Executive Committee meeting on September 21.

Report Period: September 1 through September 30, 2004

September 2004
MES continued support to the DMMP process. A September 7 BEWG meeting was held. Updates were given on the Federal and State DMMP's, PIES and Mid Bay EIS's, Innovative Use, and the C&D Canal Economic Analysis report, which was upcoming. MES prepared for and attended the Executive Committee meeting on September 21; GP also attended and provided a meeting summary. The October 13 CAC meeting was postponed, MES plans to attend the rescheduled meeting and GP will also attend and provide a meeting summary.

MES continued technical coordination with UMCES for GIS mapping and assistance with GIS related impacts analysis for the Corps EIS's, performed under contract to MPA. MES continued to manage and oversee the MPA/MES/MGS Coastal Geology Services IGA for MPA; project status reports were prepared and sent for this IGA. MGS continues to provide technical support to the DMMP process through attendance at BEWG meetings and assistance with the Corps DMMP scoring and option ranking process.

MES performed project management duties related to review, processing and recording of invoices and production of status reports.

MES initiated coordination with MPA on an annual report to the Legislature on the State DMMP.

MES received word from MPA that support on printing of an educational poster is requested. This is anticipated to occur beginning in October.

Invoiced for September: $4,058.63

Invoiced to Date up to September 30, 2004: $599,915.22

Remaining: $112,216.78

David Bibo
10.29.04

Project Status Report Form
Prepared by MES for
Harbor Development

Project Name:

Poplar Island Environmental Restoration Project (This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager: David Bibo

MES Project Manager: Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract Period:

01/01/04 – 06/30/05

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
	54000010	500912	#46, PIERP Adaptive Mgmt. Plan (AMP)

Project Budget (Total):

(Contract Amount) $292,019

Revisions:

Revision #:

% Complete (Total):

40%

% Expended (Total):

41.82%

% Complete (Crnt. FY):	**% Var./Balance (Crnt. FY):**	**% Expended (Crnt. FY):**	**% Var./Balance:**
12%	**82%**	**20.78%**	**79.22%/Favorable**

Project Goal(s):
- **Continuation of services on the Poplar Island Adaptive Management Plan (AMP) and Project Management Plan (PMP).**
- **Development of the updated Poplar Island Habitat Development Framework (HDF).**

Project Objectives:
- **Provide revised drafts of the HDF.**
- **Provide technical support and contractor oversight for the continued development of the AMP and PMP.**
- **Provide support at the AMP team meetings and HDF development meetings (Habitat Sub-group Meetings).**

Project Name: Poplar Island Environmental Restoration Project
Task #, Name: #46, Adaptive Management Plan (AMP)

Project Status Report Form
Prepared by MES for
Harbor Development

Project Status – Issues/Solutions (both required):

- **Issues**
  - Task management database needs to be updated for Fiscal Year 2005.
  - EA has indicated that they may have difficulty achieving their MBE goal.

- **Solutions**
  - MES will continue to finalize 2004 task closeouts and develop 2005 task forms.
  - EA will work with Corp to initiate development of 2005 task forms.
  - EA has identified an additional MBE Contractor and within-scope work for that Contractor to perform. MES has reviewed the MBE Contractor's qualifications and internally added the Contractor to EA's contract list.

- **MES Activities:**
  - Contractor oversight and management.
  - Drafted July progress report; reviewed and approved subcontractor and client invoices.
  - Continued review of final PIERP AMP distributed by EA on July 13, 2004.
  - Continued review of final PIERP PMP distributed by EA on July 16, 2004.
  - Continued updating all closed, existing and FY 05 environmental work tasks for inclusion in the task management database.

- **EA Engineering, Inc. Activities:**
  - Continued working on reformatting task management database work plan form to make database export more compatible for reviewing and editing.
  - Completed AMP database; subcontractor is now working to fill information into database.
  - Competed expanded list of target species for birds and fish for AMP in response to Habitat Subgroup request (added decapods).

- **Future Activities:**
  - MES will continue to update all closed, existing and FY05 environmental tasks sheets. The information will be forwarded to EA for incorporation into the task management database.
  - MES will evaluate whether a dedicated person will be required for recording, tracking and updating MES tasks for the AMP.

Total Contract Amount: $292,019

Total 08/31/04 Invoice: $43,322

Total Amount Invoiced as of 08/31/04: $122,123

POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT (PIERP)

MONTHLY UPDATE

August 2004

Editor: Mark Mendelsohn, United States Army Corp of Engineers, Baltimore District (CENAB)
Prepared by: Jennifer Harlan, Maryland Environmental Service (MES)

Operations Update:

Weir box installation between the interior cross dikes in Cell 1 continues. The weir boxes will allow water to flow between the cells. Construction of the final interior cross dike in Cell 3 continued; this cross dike was 90% complete by the end of the month. Sand used in this construction is being recovered from Cells 5 and 6.

Crust management activities continued in upland Cell 2 and wetland Cells 1 and 3. The water level in Cell 5 was maintained via pumping to allow for sand recovery for use in the interior cross dikes and other site projects. Slope and washout repairs were conducted throughout the site. Construction of a turnaround at Spillway 1 on the upper dike began. The operations group continued working on the new PIERP landbase.

Upcoming Operations Activities:

Inflow:
Dewatering of the Phase I cells will continue. The operations staff will continue placing the weir boxes in the interior cross dikes to allow water to flow between cells. All weir boxes will be in place and the perimeter trenches will be filled in before the next inflow season begins. Additionally, all spillways will be examined and prepared for the upcoming inflow, expected to start in October 2004.

Habitat Development Update:

Cell 3D:
The development of wetland Cell 3D continues. This cell is scheduled to be opened to tidal flow and planted in the early part of 2005. The planting specifications have been advertised and the contract will be awarded in September for a Spring 2005 planting. This award date will give the planting contractor time to collect seed during the fall collection window. It is anticipated that the National Aquarium in Baltimore will coordinate volunteer planting activities in approximately 6 acres of Cell 3D. The MES operations group, working closely with the Corps, continues digging and shaping the channels of this cell. During August, the perimeter trenches on the southern and western sides of Cell 3D were maintained and cleaned out on a regular basis. A haul road was created from the eastern side of the cell to the habitat islands to allow for removal of previously stockpiled material. A low ground pressure dump was used to move material around the cell. The habitat island was shaped and graded and final grading of the cell began. Construction of the cell was approximately 90% complete by the end of the month and should be finished by the middle of October. Drainage trenches were maintained to keep the cell as dry as possible. All water that collects in the sumps is pumped into Cell 3 daily.

Other Habitat Development:
Moffatt and Nichol has completed the draft report for the modeling they conducted to look at sediment transport in the vicinity of PIERP and the report is currently being reviewed. Findings will be forwarded to the Working Group once the study has been completed.

USFWS is monitoring the small vegetation control test plots that were installed on two of the shell covered nesting islands in Cell 4. Spot spraying of *Phragmites* in Cells 1, 3, 4, 4DX, 5, and 6 continued.

In an attempt to lure in the smaller heron colonies, egret decoys were placed on top of fence posts on the remnant island in Cell 1 by USFWS and MES. USGS and USFWS monitored this site and a conservative estimate of nests would be 40-45 with 80-100 young fledged from these nests. USGS and USFWS would like to put the decoys on this island again next year as well as an additional island, the small remnant in the north end of Cell 1.

UMCES is continuing the study in Cell 4DX. The SAV study is also continuing; the SAV buoys were re-seeded this month.

Monitoring Update:

Discharge from PIERP has continued to meet the Maryland Department of the Environment (MDE) water quality guidance; however there have been instances when certain parameters have been recorded above the state water quality criteria at the spillways, 100-yd locations and the water quality reference point. Due to this, MES, MPA and MDE met in May and discussed options to address these issues. MES will continue following up on their guidance and will update the Working Group on any significant changes to the current monitoring. The WQ Certification was renewed in August. MES has received all of the data from the sampling conducted in August to determine how much of the turbidity in the effluent has a biological origin. This data has been reviewed and a report has been drafted, however after discussions with MDE, MES will conduct more data interpretation before the report is finalized. Once finished, the Working Group will be updated on the findings.

Flora/Fauna Update:

Diamondback Terrapin nesting season is complete and hatchlings have started emerging from the nests. At the end of August, 181 nests were located and marked and 307 hatchlings had been collected and tagged.

Algae samples were collected twice during August. During the August 9th sampling event, high levels of blue-green algae were noted in Cell 1. However, the majority of the blue-green algae identified were not toxic strains. A June sample from Cell 1 that had high levels of *Anabaenopsis* was sent out by DNR for toxicity testing; the tests came back negative. Additionally, no fish or bird mortality has been observed at the site. Safety precautions are being utilized by anyone coming into contact with the water in Cell 1.

Other:

Safety:
As discussed at the Poplar Island Working Group meeting, to ensure that all activities occurring on the project site are coordinated and everyone is following the appropriate safety procedures, please contact the site to inform staff of a visit a day or so in advance. This would also be the appropriate time to set up any transportation that is needed. Also, if you bring your own boat to the island (again, please coordinate this ahead of time), you will need to go to the office compound and check in as soon as you get there. For safety reasons, if you are by yourself, you will need to be accompanied by an MES employee for the time you are on the island. For those of you who might take boats into Cell 6, this also needs to be coordinated with someone at the facility.

Upcoming:

- Two breakwaters will be installed in Poplar Harbor. One will be for protection of the personnel pier; the other will protect the spillways in Cell 3 and the future opening of Cell 3D from being filled in with sand.

Tours:

Tours of interest scheduled for September are: MPT and the Baltimore Sun, in addition to various school groups and local groups are scheduled for tours. The tour season is in full swing and the schedule is quickly filling. Please contact Chrissy Albanese (chrissyalbanese@earthlink.net) if you would like to schedule a tour.

Meetings held in August: Site Operations meeting on 8/19. Cell 3D planting pre-bid on 8/11.

Poplar Island Expansion Study:
Work continued on the Supplemental EIS and General Reevaluation Report (GRR) which will be released to the public in the summer of 2005. A public meeting will be held on Tilghman Island on October 6, 2004 to meet with citizens to review the study progress. A newsletter is being prepared for a September mailing.

Plan formulation to date is leaning towards a NE expansion of approximately 575 acres of which 25 acres will be a tidal gut. At least 50 percent wetlands is planned in the 550 acre vegetated area.

If you would like more information on the Expansion Study, please contact Ms. Gwendolyn Meyer at Gwendolyn.C.Meyer@usace.army.mil or 410-962-9505.

The Poplar Island Project website can now be accessed through the CENAB website at the following address: www.nab.usace.army.mil/projects/Maryland/PoplarIsland/index.html.

For further information please contact Mark Mendelsohn at (410) 962-9499 or electronically at mark.mendelsohn@usace.army.mil.

******INTERNAL USE ONLY*******

Cox Creek DMCF
Task Update
August 2004

****All tasks included in this update (except where noted) are funded from the approved FY 05 Cox Creek Operations and Monitoring Budget. Costs associated with specific Cox Creek monitoring tasks are not tracked separately, unless requested.****

Environmental Monitoring Tasks for Reporting Period:

Update: Monitoring activities at Cox Creek during the reporting period were based on correspondence and coordination with the Maryland Department of the Environment (MDE) that led to the development of an approved storm water monitoring plan (July 2003). Under this plan, stormwater that collects at the facility is tested and discharged to the Patapsco.

With high zinc concentrations occurring throughout the month, MES has been collecting additional daily grab samples and coordinating a 24-hour laboratory turn around time for results to assist in making operational decisions. MES also continues to prepare and submit a monthly report to MDE documenting the metal and ammonia concentrations in the storm water being discharged from Cox Creek.

MPA submitted a report to MDE detailing the quality of the sand and the suitability as a potential borrow source. After discussions with MDE, it was determined that this sand could be used on the dikes and roadways around the facility.

- Collection of 8-hour composite sample during stormwater discharge
- pH monitoring in the South Cell Sump 1 Pond every two hours
- Maintained and calibrated lab and field equipment daily
- Monitored the pH of the ponds in the South Cell daily
- Monitored the transfer of water from the North Cell to the South Cell.
- Transported daily and weekly samples to laboratory and compared the results with MDE guidelines to maintain discharge.
- A weekly ambient sample of the receiving water was taken to determine the acute ammonia toxicity criteria (performed on 08/06/04, 08/09/04, 08/19/04 and 08/27/04).
- Hach kit tests were performed to test ammonia concentrations in the Sump pond and in the ambient samples
- Determined when and added lime to the South Cell ponds based on pH levels and metal concentrations.
- Compiled data into weekly and monthly reports
- Began implementing the supplementary monitoring plan for the Swan Creek mitigation area.
- Began a vegetation survey of the wetlands.

- Maintained analytical databases
- Ordered supplies for environmental monitoring
- Continued mosquito sampling and reporting of site conditions to MES headquarters and Maryland Department of Agriculture (on-going process).
- The possible use of sand taken from the site for placement on the perimeter dikes was further reviewed. MDE determined that the sand could be placed on the perimeter dikes.

Future: MES will continue the water quality monitoring and prepare the July 2004 monthly report. The Swan Creek Mitigation Area Monitoring Plan will be implemented and monthly reports on the mitigation site will be submitted under separate cover.

Meetings, Tours & Events:

- 08/03/04 @10:00 a.m. - Spillway construction meeting w/ Cianbro - Location: On-site
- 08/04/04 @ 1:00 p.m. - Cox Creek Construction Meeting - Location: On-site.
- 08/17/04 @ 8:00 a.m. - Cox Creek Construction Meeting - Location: On-site.
- 08/17/04 @10:00 a.m. - Spillway construction meeting w/ Cianbro - Location: On-site.
- 08/31/04 @ 8:00 a.m. - Cox Creek Construction Meeting - Location: On-site.
- 08/31/04 @10:00 a.m. - Spillway construction meeting w/ Cianbro - Location: On-site.

Cox Creek Discharge Permit:

Update: MES submitted the meeting summary from the Cox Creek Public Information Meeting to MPA on August 13. In response to Rebecca Kolberg's inquiries about groundwater monitoring at Cox Creek, on August 13 MES forwarded a memorandum prepared for the MPA and MDE's use. The meeting to review the draft discharge permit limits is scheduled for September 9, 2004. The public hearing is tentatively scheduled for November 9, 2004.

Operations Tasks for Reporting Period:

Update: The MES operations group is currently conducting tasks which can be split into the following categories: general operations, equipment maintenance and repair tasks, and site management and other in an effort to prepare the Cox Creek site for future inflow operations.

Construction Activities:

- Further stripped *Phragmites* & root mats to expose useable material.
- Continued to push up and reclaim good quality material from the South Cell.
- Hauled material from South Cell stockpile to the berm construction areas in the South Cell.
- Continued to create a berm in South Cell to hold water back from toe of perimeter dike – required for future bench construction.

- Assisted Cianbro with removing mud from Spillway #1 on 08/10/04.
- VSA completed back filling the under cut area with sand (approximate Stations 19+00 – 22+00). This area was successfully compacted and brought back to its original elevation, and work will continue in this location bringing the elevation up to the 24' level.
- VSA continued to strip *Phragmites* & root mats to expose useable material in the N. Cell.
- Removed and then replaced all 6" and 4" pumps to proper staging areas and continued pumping as needed within the facility. The pumps were brought to higher ground prior to heavy rains forecasted as a result of Hurricane Charley.
- Reclaimed sand from areas within the N. Cell and placed this material on perimeter dike roads (as needed).

Equipment Maintenance and Repair Tasks:

- Daily operational maintenance performed on all heavy equipment.
- Daily servicing of 6" pumps.
- Scheduled repair work identified during PM checks.
- HMI Mechanic assessed additional welding work (completed 08/09/04).
- Work previously identified during PM checks was completed: work on D5N Dozer door guide, equalizer bar grease pins, and transmission oil dip-stick was completed on 08/02/04, work on the Long Reach Track Excavator hydraulic oil leak and bucket grease fitting was completed 08/03/04, new bucket teeth for the Short Reach Excavator were installed on 08/09/04, an assessment of the inner swing bearing seal on the Pontoon Excavator was completed on 08/10/04 (the seal was found to be in good condition and will not need to be replaced).
- Additional welding repair work by Clark Machine on pontoon excavator under-carriage frame was completed 08/06/04 and 08/31/04. After the second round of welding was completed, the manufacturer decided that the machine should be run with the current modifications in place and monitored closely for any signs of further damage.
- HMI Mechanic performed PM for Light Tower on 08/09/04 (power source for Isco Auto Sampler).
- Communication Electronics Inc. adjusted 2-way radios in Chevrolet Crew Cab and Long Reach Track Excavator on 08/03/04.
- Alban Tractor flipped theD6R LGP Dozer tracks and replaced the sprocket segments between 08/17/04 and 08/20/04. A rental D6 Dozer was utilized during this time period.

Site Management and Other:

- Researched hiring an outside contractor to Power wash & paint walls and clean oil spill in Maintenance Shop (due to lack of available site personnel). Colossal Contractors, Inc., an MBE, will perform this work in mid September '04.
- New Trailer task list and target dates:
  - Bids were collected and window shades/blinds will be installed 08/31/04.
  - Continued working with MES IT Department for computer network install

(cables installed 08/04/04, target date for system install 09/30/04)
- Continued collecting bids for the installation of a phone system
(bids received and vendor selected 08/31/04, target date for system install 9/30/04).
- Possible DSL service was checked into and will replace the satellite dish
(DSL verification on 08/06/04, target date for service install 09/30/04)
- Purchased all remaining office furniture.

- MES Engineering Department continued working on the new trailer electrical, sewage, and water service connections. Mahon Plumbing connected the water service and gray water discharge on 08/26/04.
- CR 6 stone delivery awaiting water line installation and site preparations prior to delivery. The area for the stone apron was graded and geo-fabric purchased on 08/30/04 & 08/31/04, respectively.
- John Deere "Gator" purchased and delivered to job site 08/11/04.
- Best Fence installed new swing gate at first entrance location on 08/15/04.
- WTM Enterprises attempted to clean the storm drain system using a large vacuum truck on 08/02/04, and a 6" rental pump on 8/26/04. During this work both sediment and large debris were identified to exist in the drainage system. Further cleaning will be required. When the water quality is considered acceptable the concrete plug may be removed from the drain and the water allowed to flow through the system to the storm water management pond.
- Reviewed any possible safety issues pertaining to the collapsed storm drain. Once some of the water and debris were removed on 08/26/04 the area previously thought to be a "cavern" or "sink hole" was identified to be only a valve box compartment.
- Purchased a "Visitors Must Sign In Prior To Entering Site" sign on 08/13/04. A "Maryland Environmental Service Office" sign was ordered on 08/26/04.
- Looked into repairing the wetland road drainage areas. These areas will be repaired using concrete "Railroad Sleepers" (target date for install no later than 09/30/04).
- Contacted MTA Police Department on 8/23/04 and acquired a copy of the second police report for the replacement tools thought to have been stolen from the office trailer on or before 08/04/04.
- Implemented new site security measures and discussed details and requirements with all MES employees on 08/06/04.
- Removed and disposed of old fence material/piping near new front gate on 08/27/04.
- Began looking into options for snow plowing facility entrance road and parking areas. A snow plow for the Chevrolet 2500 will be purchased for limited use, and a outside contractor will be hired for the bulk of the work.
- Contacted Millenium Chemicals and acquired a copy of the warning siren information on 08/25/04.

Construction Activities for the Reporting Period:

Update: MES is conducting construction inspection, subcontractor management, and working on future construction procurements. In an effort to make this update as comprehensive as possible, also included are the tasks completed by various subcontractors during the reporting period.

The following construction activities were completed in August, 2004:

- Cianbro worked on installing the piping for Spillway #1. The slide rail system was installed and the upstream area excavated. The sleeves were pushed through the slurry wall without incident, the pipes were placed and the area backfilled. Work started on the downstream installation of the corrugated pipe.
- Cianbro continued to submit and MNE and MES continued reviewing and approving submittals for various parts of the spillway construction project.
- Two progress meetings were held in August.
- MNE made a site visit to the Cianbro fabrication shop to inspect the progress of the fabrication of the spillway structures.
- The Health Department in AA Co. approved the proposed septic system for the administrative offices at Cox Creek.
- A bid package was put together for the septic system installation.
- Mahon completed the installation of the water hookups for the trailers
- MEZ Electric began installing the electrical panel for the trailer area.
- VSA Inc. undercut and removed unsuitable material from station 17 to station 21 for the inside dike raising

The following activities were in progress during August 2004:

- Moffatt and Nichol completed the 90% design of the revised unloading pier. Copy submitted to MPA Engineering for review.
- MES continued working on the construction of the inside toe of the dike, which will be the foundation for the eventual dike raising to elevation +36.

Date: 8/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island South Cell Task #, Name:_____

Project Name: Hart-Miller Island S. Cell Restoration

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 03.01.99 04.30.10

Budget Line # 865 **PIN #: 600102-L**

Contract #: 500607 **Task #, Name:**

Project Budget (Total): 1,080,000.00

Revisions: **Revision #:**

% Complete – Work (Total): 71%

% Expended - $ (Total): 71%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
1%	99%	2.76%	97.34% (favorable)

Project Goal(s): Restore the Hart-Miller Island South Cell creating a habitat for migratory birds, consisting of mud flats, nesting island, and uplands.

Project Objectives:
- **Provide habitat for migratory birds.**
- **Allow citizens to observe the birds from viewing areas**

Project Status - Issues/Solutions (both required):
South Cell: There has been no construction activity in the South Cell since the last report. The USACE contractor, Geo Con, has completed almost all of the contract requirements. Major item of work remaining is the testing, and demonstration of the sprinkler system and related equipment and training of DNR and MES employees in the operation sequence. Geo-Con must also prepare and provide as-build drawings and correct punch list items before they demobilize. Also, yet to be resolved is the spillway repairs, which began in early December, it was discovered during the initial excavation and sand blasting that the steel structure had sustained extensive damage due to rusting. The spillway is currently being reevaluated and a revised design is being prepared to correct the deterioration. The additional repairs to the spillway will require a change order from the USACE.

Signature/Date: David Bibo 092704

Date: as of 8/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development Task #, Name:_____

Project Name: Poplar Island Site Development

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/04 - 07/13/05

Budget Line # 900 **PIN #: 51030040** **Contract #: 502813** **Task #, Name:**

Project Budget (Total): $4,120,000

Revisions: **Revision #:**

% Complete (Total): 17%

% Expended - $(Total): 34.29%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
15%	85%	0% (Due To Advance)	100%(favorable)

Project Goal(s): Operation of the project efficiently, safely, and in compliance with the regulatory requirements. To manage the material placement to place the maximum amount of material while meeting the objectives of the project.

Project Objectives:

- **Environmental Monitoring, meeting the discharge criteria.**
- **Prepare and maintain the infrastructure for long term sustained operations.**
- **Conduct operations in compliance with environmental concerns.**
- **Recover sand for future operations.**
- **Develop the wetlands into a viable habitat.**
- **Conduct tours and site visits to tell the Poplar Island success story.**

Project Status - Issues/Solutions (both required): The current focus of the facility is

Date: as of 8/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development Task #, Name:_____

the construction of Cell 3D into a viable wetland using dredge material, completion of the phase 1 cell cross dikes and weir boxes installation, discharging water from the undeveloped wetland cells, erosion repair along roads/dikes, crust management in active cells as conditions allow.

Crust Management: There was minimal crust management activity during the month of August. This is due to the other priorities and a dispute over the benches built in cell 2, that would not allow activity in that area.

Cross dikes: Weir structures and crossover pipe placement has been on hold due to unfavorable weather conditions. Construction of the final cross dike in cell 3 (station 257+00) has been completed. Dredge material is being excavated from the wetland development cells and placed on the slopes of the cross dikes to protect them from erosion during the next inflow event. This task is approximately 65% complete.

Cell 3D: Major channel excavations were completed by 8/27. Fine grading of channels and the development of a 20:1 slope along the top channel edge will continue through September. Approximately, 95% of the excavated channel material has been transported and placed within the appropriate fill zones in accordance to the USACE plan. Final grading of the cell is currently on schedule and will be completed by 9/23/04. The USACE is evaluating the remaining volume of cut material to determine the amount of additional material needed to achieve the +1.5' low marsh zone throughout the cell.

Land base: MES has completed a full topographic survey of the site and the grading plan is has been approved by both MDE and the property owner. MES and the property owner have scheduled a contractor to begin the work.

Other Activities: MES is maintaining the water elevation in cell 5 to facilitate sand removal and dike construction. Pre-bid meetings were held on site for the 3D outlet structure and the Coaches Island shoreline restoration projects. MES assisted USACE with test pits on the bench of cell #2, test pits in cell 5 and bollard installation around new survey monuments. Dike and road maintenance have been weekly activities due to heavy rains August.

Signature/Date: David Belo 09.27.04
(Project Manager)

Date: as of 8/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF Task #, Name:_____

Project Name: COX CREEK DMCF **Project Manager: David Bibo**

Assignee(s) (Consultants/Contractors): MES **Contract Period: 07/01/04 – 06/30/05**

Budget Line #765 **PIN #: 53050040** **Contract #: 504907** **Task #, Name:**

Project Budget (Total): $2,239,901 **Revisions:** **Revision #:**

% Complete (Total): 17% **% Expended (Total): 51.13%**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
17%	83%	0% (Due To Advance)	100%(favorable)

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.

Project Objectives:

- **Dike raising of both cells.**
- **Site preparation for initial inflow, to include; access channel and spillways**
- **Environmental Monitoring, submitting and receiving the discharge permit.**
- **Dewatering in preparation of future construction, within discharge criteria.**
- **Monitoring and maintenance of the Swan Creek mitigation site.**

Project Status - Issues/Solutions (both required) The current focus of the operation is dewatering the cells, recovering and hauling material for construction of benches for dike raising. This has included trenching, liming of the water, creation of sumps, clearing and grubbing the site and pushing up material, allowing it to dewater and hauling it to the desired location. The doublewide trailer is set up for use, the office

Date: as of 8/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF Task #, Name:_____

will move as soon as the telephone system and lines are installed. The design of the electrical system has been completed and BGE is prepared to run the lines and set the transformer, payment has been made and installation has been delayed until September. The septic system design was approved by Anne Arundel County, installation is anticipated for October.

Personnel from Hart-Miller Island continue to help with the startup of the Cox Creek DMCF. MES now has sole use of the maintenance building; initial preparation of the building has begun. The interior electrical is under design, and upon completion the work will be advertised. MES has done some initial investigation of the storm sewage system and has attempted to remove blockages. During the dewatering process it was discovered that the pipe is broken and may have undercut portions of the pavement, investigation revealed that there is no undercutting.

Construction Status:
Further dike raising will be completed by MES, utilizing a combination of MES employees and contractors. The MES engineering division and geotechnical subcontractors will oversee the construction. VSA has mobilized equipment and along with MES are currently constructing benches for dike raising. In addition, stockpiling material and clearing and grubbing areas of the north cell as future borrow areas, continues.
Cianbro began spillway construction, and has completed dike penetration for one spillway; the steel structure is being fabricated and galvanized off site. Construction began in July and the completion date remains February 2005, although we anticipate completion in the fall.

Signature/Date: David Belo 09.27.04
(Project Manager)

Date: 9/27/04

Project Status Report Form
prepared by
Harbor Development

Project Name: Site 92 Comprehensive Monitoring

MPA Project Manager: Dave Bibo

MES Project Manager: Elizabeth Habic

Assignee(s) (Consultants/Contractors):
MES
MDE
MGS

Contract Period:

05/1/98 – 06/30/06

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1100	600106-H	599910	

Project Budget (Total):

$1,126,259.11 (years 1-7)

Revisions:

Revision #:

% Complete (Total):

Year 1 & Year 2: 100%
Year 3: 100%
Year 4: 100%
Year 5: 98%
Year 6: 65%
Year 7: 5%

% Expended (Total):

53% ($597,018.72 through August 2004)

% Complete (FY 04):
90%:
Revised FY 04 Budget: $200,940.50.
Projected FY 05 Budget: $120,850.61
(FY05 budget is based on FFY05 budget of $241,701.22 split 50/50 with CENAP)

% Expended (FY 04):
89%: Balance $179,058.22

Var/Balance:
11%/$21,882.28

Expended in FY 05:
Balance $91,719.10

Var/Balance:
Budget not yet approved.

Project Goal(s): Management of site monitoring activities at Site 92

Project Objectives: Conduct management activities of site monitoring activities at Site 92

Project Status - Issues/Solutions (both required):
August:
See attached status report
September:
MES will distribute the draft Year 7 Site Monitoring Plan to the PI Team for review.
MES will draft and distribute the draft Year 7 Site Management Plan to MPA and CENAP for review if the contractor operations plan is received.
MES will distribute the electronic version of the Final Year 5 Placement, Consolidation, and Erosion Study Report to the PI Team.
MES will create the electronic version of the Final Year 5 Comprehensive Monitoring Report and distribute both the CD-ROM version and a hard copy of the report to members of the PI Team.

Date: 9/27/04

Project Status Report Form
prepared by
Harbor Development

Project Name: Site 92 Comprehensive Monitoring Task #, Name:_____

Project Status - Issues/Solutions (both required):

Signature/Date: David Belo 09.27.04
(Project Manager)

POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT (PIERP)

MONTHLY UPDATE

July 2004

Editor: Mark Mendelsohn, United States Army Corp of Engineers, Baltimore District (CENAB)
Prepared by: Jennifer Harlan, Maryland Environmental Service (MES)

Operations Update:

Weir box installation between interior cross dikes B/C in Cell 1 was completed in July. The weir boxes will allow water to flow between the cells. Installation of these weir structures in all of the interior cross dikes will continue through September. The operations group continued working on the new PIERP landbase.

Crust management activities continued in upland Cell 2 and wetland Cells 1 and 3. Water levels in Cells 4 and 5 were maintained via pumping to allow for sand recovery for use in the interior cross dikes and other site projects. Sand reclaimed from these cells was stockpiled on the center dike for drying. Slope and washout repairs continued in Cell 4.

Construction of the final interior cross dike in Cell 3 commenced and the building surcharge pad was completed.

Upcoming Operations Activities:

Dewatering of the Phase I cells will continue. The interior cross dikes in Cell 3 will be finished this summer. The operations staff will continue placing the weir boxes in the interior cross dikes to allow water to flow between cells. All weir boxes will be in place and the perimeter trenches will be filled in before the next inflow season begins

Habitat Development Update:

Cell 3D:
The development of wetland Cell 3D continues. This cell is scheduled to be opened to tidal flow and planted in the early part of 2005. The current plans are to advertise the planting specifications in July and award the contract in September for a Spring 2005 planting. It is anticipated that the National Aquarium in Baltimore will coordinate volunteer planting activities in approximately 6 acres of Cell 3D. This award date will give the planting contractor time to collect seed during the fall collection window. The MES operations group, working closely with the Corps, continues digging and shaping the channels of this cell. During July, the perimeter trenches on the southern and western sides of Cell 3D were maintained and cleaned out on a regular basis. The interior trenches on the western half of the cell were filled in and grading in that area began. Material was stockpiled from the large first order channels and placed on the habitat island to dry out. A haul road was created from the eastern side of the cell to the habitat islands to allow for removal of the stockpiled material. A low ground pressure dump was rented to test its effectiveness in moving material around the cell. The habitat island was roughly shaped to its final size. Interior trenches were cut into the eastern half of the cell to facilitate drainage to the main channels. Material that was excavated from the channels was hauled to the northern dike (eastern end) to increase the elevation in that area. All water that collects in the sumps is pumped into Cell 3 daily.

Other Habitat Development:

Moffatt and Nichol has completed the draft report for the modeling they conducted to look at sediment transport in the vicinity of PIERP and the report is currently being reviewed. Findings will be forwarded to the Working Group once the study has been completed.

USFWS is monitoring the small vegetation control test plots that were installed on two of the shell covered nesting islands in Cell 4. Spot spraying of *Phragmites* in Cells 1, 3, 4, 4DX, 5, and 6 continued.

In an attempt to lure in the smaller heron colonies, egret decoys were placed on top of fence posts on the remnant island in Cell 1 by USFWS and MES. USGS and USFWS monitored these nests and counted approximately 30 nests with an estimated 70 chicks in the nests during June. USGS continued tern nest surveys; nests in Cells 3, 5 and 4DX were marked and counted.

UMCES is continuing the study in Cell 4DX and collected sediment samples from the dredged material test plots in July. The SAV study is also continuing; the SAV buoys were re-seeded this month. Additionally, the remaining exclusion fencing was repositioned and repaired.

USFWS conducted SAV sampling in Poplar Harbor in July. They found grass at 44 out of the 282 sampling points randomly chosen for the July episode. In comparison, in July 2003 they found grass at 10 of 282 different random sampling points in the Harbor. Most of the grass was horned pondweed. Their sampling was conducted in mid- to late July. From casual observations prior to the sampling, there was likely a great deal more horned pondweed in the Harbor during June than what was sampled in July, as would be expected.

Monitoring Update:

Discharge from PIERP has continued to meet the Maryland Department of the Environment (MDE) water quality guidance; however there have been instances when certain parameters have been recorded above the state water quality criteria at the spillways, 100-yd locations and the water quality reference point. Due to this, MES, MPA and MDE met in May and discussed options to address these issues. MES will be following up on their guidance over the summer and will update the Working Group on any significant changes to the current monitoring. The renewal process for the WQ Certification has begun; the current certification expires in August. MES has received all of the data from the sampling conducted in August to determine how much of the turbidity in the effluent has a biological origin. This data has been reviewed and a report has been drafted, however after discussions with MDE, MES will conduct more data interpretation before the report is finalized. Once finished, the Working Group will be updated on the findings.

Flora/Fauna Update:

Diamondback Terrapin nesting season continues. At the end of July, 174 nests were located and marked. Towards the end of July ringing of the marked nests with flashing began.

APHIS continues the bird and wildlife population control, per our depredation permit. MES received a Toxic Material Permit (TMP) from MDE to conduct hand application of a bacterial larvicide to control mosquitoes on Coaches and Jefferson Islands, which occurred on July 15th.

Algae samples were collected twice during July. During both sampling events, high levels of blue-green algae were noted in Cell 1. However, the majority of the blue-green algae identified were not toxic strains. Additionally, no fish or bird mortality has been observed at the site. Safety precautions are being utilized by anyone coming into contact with the water in Cell 1.

During July, NOAA conducted the summer sampling event in Poplar Harbor, Cell 4DX and the reference sites.

Other:

Safety:
As discussed at the Poplar Island Working Group meeting, to ensure that all activities occurring on the project site are coordinated and everyone is following the appropriate safety procedures, please contact the site a day or so ahead of time to inform on site staff of a visit (and to set up any transportation times as needed). Also, if you bring your own boat to the island (again, please coordinate this ahead of time), you will need to go to the office compound and check in as soon as you get there. For safety reasons, if you are by yourself, you will need to be accompanied by an MES employee for the time you are on the island. For those of you who might take boats into Cell 6, this also needs to be coordinated with someone at the facility.

Upcoming:

- Two breakwaters will be installed in Poplar Harbor. One will be for protection of the personnel pier; the other will protect the spillways in Cell 3 and the future opening of Cell 3D from being filled in with sand.

Tours:

Tours of interest scheduled for August are: Washington College on 8/6, JEDS Audubon Camp on 8/12 and Team DNR on 8/24. In addition, various school groups and local groups are scheduled for tours. The tour season is in full swing and the schedule is quickly filling. Please contact Chrissy Albanese (chrissyalbanese@earthlink.net) if you would like to schedule a tour.

Meetings held in July: Site Operations meetings on 7/1, 7/15 & 7/29. Cell 3D operations meeting on 7/29.

Poplar Island Expansion Study:
Work continued on the Supplemental EIS and General Reevaluation Report (GRR) which will be released to the public in the summer of 2005. The team prepared for the August progress review meeting with Corps HQ and Regional offices. Environmental and geotechnical studies occurred in July. A public meeting will be held on Tilghman Island in October 2004 to meet with citizens to review the study progress. The team will meet with MD Charter Boat Captains Executive Board on October 5th to go over the Expansion and Mid-Bay Studies. A newsletter is being prepared for a September mailing. The monthly team meeting did not occur in July.

Plan formulation to date is leaning towards a NE expansion of approximately 550 acres, with at least 50% wetlands.

If you would like more information on the Expansion Study, please contact Ms. Gwendolyn Meyer at Gwendolyn.C.Meyer@usace.army.mil or 410-962-9505.

The Poplar Island Project website can now be accessed through the CENAB website at the following address: www.nab.usace.army.mil/projects/Maryland/PoplarIsland/index.html.

For further information please contact Mark Mendelsohn at (410) 962-9499 or electronically at mark.mendelsohn@usace.army.mil.

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POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT

Environmental Monitoring Task Update

August 2004

All tasks included in this update (except where noted) are funded from the approved FY 05 Poplar Island Environmental Restoration Project Operations and Monitoring Budget. Costs associated with specific Poplar monitoring tasks are not tracked separately, unless requested.

This update does not include MES activities associated with regular operations and crust management environmental monitoring. That information is reported in a separate monthly report to MPA.

Algae sampling

Update: Algae sampling resumed in April and will continue through October 2004. Samples were analyzed by DNR and in one sample in June Anabaenopsis was found in Cell 1. Anabaenopsis can be toxic, however it is more toxic in fresh water than brackish water and no fish or bird mortality was seen at the site. DNR had the sample that contained Anabaenopsis tested for toxicity and the tests came back negative.

MES Tasks for Reporting Period:

- Collected 2 sets of algae samples
- Delivered algae samples to DNR within 24 hours of collection
- Updated algae sampling spreadsheets

Future: Algae monitoring will continue until November. The algae sampling spreadsheets and graphs will be updated and emailed out to the algae group periodically. If any species of concern are found in the samples, the project team will be notified immediately and proper precautions will be taken at the site.

Post Isabel Monitoring

Update: MES is managing additional sediment monitoring in Poplar Harbor by EA and MGS. An executive summary of the MGS sediment sampling was received by MES in mid-February. MES is still awaiting the delivery of the full report on this sampling and data analysis.

MES Tasks for Reporting Period:

- No activity on this task in June 2004.

Future: MES will separately track all environmental monitoring costs associated with the storm. MES will review the MGS sediment report when it is received from MGS. The final report will be forwarded to MPA and CENAB.

Volatile Solids Study

Update: This study was conducted during the month of August 2003 in an effort to determine the percentage of solids in the PIERP discharge that has a biological origin. MES received the final data in November and has begun to interpret the data and prepare a report. MES has also been in consultation with MDE to aid in the data interpretation. MES met with MDE on May 20th and received further guidance to finalize the report.

MES Tasks for Reporting Period:

- Continued to review data and finalize data interpretation based on MDE's guidance.

Future: MES will finalize the data spreadsheets, draft the volatile solids study report and send the report to MPA and CENAB for their review. MES will follow up on the guidance received by MDE when drafting the report.

Habitat Development Framework/ Adaptive Management Plan (EPATS Task 46)

Update - Habitat Development Framework (HDF): The April version of the HDF has been finalized with the incorporation of the comments from the HSG members. The HDF was handed out at the WG meeting on May 25th. This document will be updated in early 2005 as reports and recommendations are received from the framework monitoring studies.

Update - Adaptive Management Plan (AMP): MES continues to manage the AMP. Under the EPATS Agreement, progress on this task is reported in a separate progress report.

Future: MES will continue to provide input to the AMP and update the HDF annually.

Cell 4DX Monitoring (EPATS Task 40)

Update: Under the EPATS Agreement, tasks completed by UMCES for Cell 4DX are reported in a separate progress report. The 2004 Cell 4DX Monitoring plan was drafted and implemented in June. Sampling under the 2004 Cell 4DX Monitoring Plan continues.

MES Tasks for Reporting Period:

- Continued sampling required by the 2004 Cell 4DX Monitoring Plan.

Future: MES will distribute monthly the spreadsheets detailing the results of the Cell 4DX monitoring. In the winter, MES will prepare a 2004 Cell 4DX report.

Harbor Sedimentation Survey

Update: This project is directly managed through the MPA and their subcontractor (Moffatt and Nichol). MES is providing project management and technical review services as requested by MPA. The draft report from Moffatt and Nichol was received on April 5. ME S reviewed the report and submitted comments.

M&N Tasks for Reporting Period:

- Incorporate comments and prepare final report.

MES Tasks for Reporting Period:

- None

Future: MES will provide a QA/QC review of the final report in order to be sure all comments were addressed.

Working Group Coordination

Update: MES has been providing all of the planning, coordination, handouts and meeting summaries, for the bi-annual working group and sub-group meetings. MES has also been drafting the monthly WG updates, as requested by CENAB and MPA. The HSG was scheduled to meet in late August/early September; however, there was a consensus that an update memo would be more appropriate as there was little to review with the HSG.

MES Tasks for Reporting Period:

- Development of July WG update.
- Distribution of June WG update.
- Distribution of Working Group meeting minutes.

Future: MES will continue to provide monthly WG updates (for distribution by the Corps). MES will prepare an update for the HSG.

Poplar Exterior/Framework Monitoring

Update: MES continues to manage the contractors performing the 2004 sediment and the faunal monitoring per the monitoring framework plan. MES prepared a scope of work and coordinated the contractual agreements necessary to initiate the 2004 sediment monitoring. MES is working with the Corps to review the exterior monitoring reports for 2003 in preparation for development of the 2003 Annual Report.

MES Tasks for Reporting Period:

- Contract management for exterior monitoring (contracts managed by MES).

Future: MES will start reviewing the 2003 reports, as they are received, and begin preparing the 2003 Annual Report.

Other Tasks

- MES is assisting USFWS and APHIS with the bird and wildlife population control.
- MES drafted a Cell 3D Monitoring Plan that is currently being reviewed by the Project Team. There will be a meeting on September 21 to review this plan with MDE.

September 15, 2004

Mr. David Bibo
Harbor Development
Maryland Port Administration
The Maritime Center II
2310 Broening Highway
Baltimore, Maryland 21224-6621

Reference: Comprehensive Monitoring of the Site 92 Open Water Placement Site
Progress Report for August 2004
MPA Contract No.: 599910 Pin No.: 600106-H
MES Contract No.: 99-07-11

Dear Mr. Bibo:

Enclosed is a progress report that details project activities on the Comprehensive Monitoring of the Site 92 Open Water Placement Site for August 2004. Please contact me at 410-729-8335 with any questions or comments.

Sincerely,

Elizabeth Habic
Environmental Specialist
Environmental Dredging & Restoration Division

Enclosure

Cc: Nat Brown

PROGRESS REPORT

Project: OPEN-WATER PLACEMENT SITE 92 **Period: August 2004**
MPA Contract No.: 599910
MPA PIN: 600106-H
CENAP Contract No.: DACW61-03-C-00031
MPA/CENAP Contract Amounts:
Year 3: $157,430.09
Year 4: $162,130.72
Year 5: $164,790.13
Year 6: $122,424.27

A. Site Management

1. MES began drafting the Year 7 Site Management Plan.

2. MES created a scow placement figure of placement years 1 through 6 to include in the Year 7 Site Management Plan.

B. Consolidation and Resuspension

1. MGS finalized the Year 5 Placement, Consolidation, and Erosion Study Report and forwarded it to MES for distribution to the PI Team.

2. MGS prepared for the 9-month post placement bathymetric survey and coring cruise.

3. MGS completed the 2004 capacity study funded by CENAP and forwarded it to MES.

4. MGS submitted a monthly status report to MES for the month of July on August 2, 2004.

C. Benthic Community Evaluation

The benthic community evaluation will not be performed until approximately 18 months after the end of all placement activities at Site 92.

D. Technical Support

1. MDE activities will be reflected in the quarterly progress report submitted in October.

E. Technical Integration

1. MES drafted the Year 7 Site Monitoring Plan and distributed it to CENAP and MPA for review on August 16th.

2. MES worked with MGS on creating the electronic version of the final Year 5 Placement, Consolidation, and Erosion Study Report.

3. MES incorporated comments and finalized the Year 5 Comprehensive Monitoring Report.

4. MES coordinated the printing of the Year 5 Comprehensive Monitoring Report.

5. MES coordinated studies and principal investigators to maximize efficiencies and exchange information during the study period.

6. MES communicated with principal investigators as necessary to review findings of the studies and to coordinate activities.

7. MES verified and tracked deliverables and findings as necessary.

8. MES provided overall program QA/QC to ensure that report and project elements met stated technical objectives.

9. MES provided technical information and guidance as necessary for current and future Site 92 placement actions, permits, certifications and specifications.

10. MES advised MPA and CENAP on proposed schedules and tasks involved in the Site 92 environmental documentation.

F. Project Management

1. MES incorporated comments and finalized the meeting summary from the July 14th PI Team meeting.

2. MES distributed the final meeting summary from the July 14th PI Team meeting on August 18th.

3. MES coordinated with MGS and MDE for submittal of project status reports.

4. MES tracked and processed invoices and coordinated with MGS and MDE on final invoice submittals for the end of the federal fiscal year.

5. MES reviewed and submitted comments on the MGS Pooles Island Capacity Estimate report funded by CENAP.

6. MES submitted invoice details and a cost tracking spreadsheet to CENAP to begin FFY04 reconciliation.

7. MES coordinated with MDE and CENAP to finalize the Courthouse Point contract amendment.

8. MES monitored progress on all work tasks and informed the clients on its status.

9. MES submitted a monthly status report for the month of July on August 13, 2004 to MPA and CENAP.

10. MES submitted a monthly financial report to MPA for the month of July on August 18th.

G. Turbidity Plume Monitoring

1. Following the completion of CENAP's post-placement survey, the team determined that dragging is unnecessary, so turbidity plume monitoring will not be conducted during placement Year 6.

Project Status Report Form
For
Harbor Development

Project Name:

Sediment Monitoring and Plant Survival, Cell 4DX, PIERP
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager: David Bibo

MES Project Manager: Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract Period:

07/01/03 – 01/31/06

Budget Line #	PIN #:	Contract #:	Task #, Name:
1175	**54000010**	**500912**	#40, Sediment Monitoring & Plant Survival, Cell 4DX, PIERP

Project Budget (Total):
(FY04) $150,000
(Contract Amount) $406,153

Revisions:

Revision #:

% Complete (Total):

50%

% Expended (Total):

21.71%

% Complete (Crnt. FY):	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY):	% Var./Balance:
10%	**90%**	**11.71%**	**88.29%/Favorable**

Project Goal(s):

- **To monitor the dredged material test plots in Cell 4DX to gauge the suitability of dredged material as a planting substrate by studying the sediment biogeochemistry, pore water biogeochemistry, suitability of the dredged material as a planting substrate and the success of the plants in the dredged material test plots.**

Project Objectives:

- **To monitor the dredged material test plots to quantify the degree of success in meeting the goals of the project for establishing healthy marshes. To monitor the dissolved phase of the water in the dredged material substrate. To conduct analysis on the solid phase dredged material substrate. To determine how the pore water and sediments are affecting the plant growth and success in the dredged material test plots. To evaluate the suitability of the dredged substrates in supporting marsh vegetation and compile a planting list of the most adapted marsh species to the dredged material (contingent task).**

Project Status Report Form
For
Harbor Development

Project Name: Sediment Monitoring and Plant Survival, Cell 4DX, PIERP
Task #, Name: #40, Sediment Monitoring and Plant Survival, Cell 4DX, PIERP

Project Status – Issues/Solutions (both required):

- **Issues**
  - Subcontractor draft report was due June 30; request was made to extend due date until August in order to finish phytotron experiment and include analysis in report.

- **Solutions**
  - Draft report due date revised to August 15. Subcontractor has still not submitted report. MES will continue to work with the subcontractor to get the required deliverable.

- **MES Activities:**
  - Contractor oversight and management.
  - Subcontractor invoice review and processing.
  - July progress report for MPA.
  - Implemented new 4DX monitoring plan.

- **MES Future Activities:**
  - Continued subcontractor oversight and management.
  - Review of UMCES 2003 / 2004 Monitoring Report.
  - Coordinate with MPA and UMCES to determine whether additional studies will be needed in 4DX or 3D for the 2004 / 2005 monitoring year.

- **UMCES Activities:**
  - Finalized phytotron experiment.
  - Draft 2003 / 2004 Monitoring Report.

- **UMCES Future Activities:**
  - Submission of draft report.
  - Recommendations for future monitoring based on 2003 / 2004 results.

Total Contract Amount: $406,153

Total Amount of 08/31/04 Invoice: $15,272

Total Amount Invoiced as of 08/31/04: $94,073

David J. Belo 09. 27. 04

****Internal Use Only****

HART-MILLER ISLAND DMCF
Environmental Monitoring Task Update
August 2004

****All tasks included in this update (except where noted) are funded from the approved FY 05 Hart-Miller Island Operations and Monitoring Budget. Costs associated with specific HMI monitoring tasks are not tracked separately, unless requested.****

Groundwater Study

Update: All monitoring and analysis for the main component of the groundwater study (dike transmissivity and water quality) has been completed. Four quarterly reports have been finalized and the subcontractor (URS) submitted the draft-consolidated report on December 4, 2003. The final report was received as expected on July 14, 2004. MGS was scheduled to submit the draft report for their component of the study on June 3. MES is continuing to work with MGS to obtain the draft report.

MES Tasks for Reporting Period:

- Subcontractor management, invoice processing.
- Contacted MDE to determine whether sampling at the "old wells" can be discontinued and replaced with the new wells.
- Final groundwater study was transmitted to MDE on August 24, 2004.

Future: MES will continue to provide updates to the HMI Citizens Oversight Committee as requested. Additionally, MES will continue to coordinate with MDE to determine whether sampling at the "old wells" can be discontinued and replaced with use of the new wells from the groundwater study. MES will continue working with the MGS to obtain the final reports.

Plan of Action (POA) to Control Low pH (EPATS Task 38)

Update: Additional subtasks were added to this task. New subtasks include activities to implement the POA. Under the EPATS agreement, progress on this task is detailed in a separate progress report.

Future: MES will continue to manage the implementation of the POA.

Vegetation (*Phragmites*) Monitoring

Update: Small stands of *Phragmites* have started growing in some areas of the South Cell. This issue was discussed at the S. Cell Progress meeting and MES is awaiting Corps reply for control responsibility. While an official reply from the Corps has not been received, MES drafted a *Phragmites* control plan for the wetland and upland areas of the S. Cell. This plan was handed out at the June 29th S. Cell meeting and the MPA gave approval to MES to implement this plan. Spraying of the upland portion of the South Cell began in August.

MES Tasks for Reporting Period:

- Finished procuring supplies needed for South Cell spray
- Started spraying of upland portion of South Cell
- Drafted a memo reviewing the S. Cell Phragmites Plan for CENAB & MPA
- Researched vendors and costs for the South Cell upland seed mixture

Future: MES will await Corps reply for control responsibility in the upland area of the S. Cell. The *Phragmites* control plan will continue to be followed. MES is currently researching costs for the S. Cell upland seed mixture that will be spread over the areas where *Phragmites* control occurs. The memo reviewing the S. Cell Phragmites Plan will be forwarded in early September.

South Cell Monitoring

Update: One set of South Cell water quality samples was collected on August 23rd. Fecal coliform sampling was conducted once in August. Jeff Cornwell conducted interior sediment and soil quality sampling on August 25th and installed two data loggers: one for pH and one for DO.

MES Tasks for Reporting Period:

- Water quality monitoring per HMI SCERP monitoring plan.
- Collected fecal coliform sampling.
- Coordinated site visits and sampling with UMCES.

Future: MES will continue water quality monitoring. Jeff Cornwell (UMCES) will continue Interior Sediment & Soil Quality sampling per the monitoring plan and will be out in early September to remove the data loggers. A report from UMES on the first year of monitoring is expected in November; the consolidated report on the first year of monitoring at the South Cell is scheduled for completion in January.

North Cell Closure / Sediment Sampling

Update: MES provided technical support at a North Cell closure meeting with the HMI Closure Planning Team held on 8/30. MES also attended a meeting with DNR on 8/30 to discuss possible end use scenarios. Half of the data from the North Cell sediment sampling event was received.

MES Tasks for Reporting Period:

- Attendance at closure meeting.
- Attendance at DNR HMI End Use meeting.
- Review and preparation of summary tables for North Cell sediment data.

Future: MES will continue to provide requested support to the HMI Closure Planning Team as requested. Once all of the North Cell data is received, MES will prepare a summary report detailing the findings.

HMI Discharge Permit Renewal

Update: The new discharge permit became effective on July 1, 2004.

MES Tasks for Reporting Period:

- Ordered new field sampling meters.

Future: A mixing zone study will need to be undertaken in order to keep the interim limits for ammonia, copper and zinc that were given in the draft permit. In addition, every 6 months MDE is requiring an update letter on the studies that are ongoing. The quarterly Discharge Monitoring Reports will be updated for the new permit limits and sampling requirements. MES has scheduled a meeting with MDE on September 9, 2004 to discuss the new permit.

HMI Algae Monitoring

Update: Algae sampling resumed in April; two sets of samples were collected (8/12 & 8/26) in August and analyzed by DNR.

MES Tasks for Reporting Period:

- Collected two sets of algae samples
- Delivered algae samples to DNR lab for analysis
- Updated the 2004 algae sampling spreadsheet

Future: MES will continue to conduct bi-weekly algae sampling through October 2004. If anything of concern shows up in the analysis, MES will immediately notify MPA and MDE. The algae sampling spreadsheet will be sent out periodically to DNR and MPA.

Other

- MES has initiated mosquito control measures for 2004 including periodic monitoring for larvae and adult populations. The toxic materials permit (TMP) to apply larvicide to the storm water collection trenches near the office building and personnel pier was approved and MES is prepared to conduct control efforts in this area, if needed.

Date: September 27, 2004

Project Status Report Form
prepared by
Harbor Development

Project
Open-Ended Contract for Professional Dredging, Dredged Material Placement, Site Design & Site Operations

Project Manager:
Dave Bibo

Assignee(s) (Consultants/Contractors):
Gahagan & Bryant Associates, Inc. (GBA)

Contract Period:
06.11.02 – 12.11.04

Budget Line #	PIN #:	Contract #:	Task #, Name:
1270	54012010	500905	Task 4 HMI Closure

Project Budget (Total):
160,800

Revisions:

Revision #:

% Complete (Total):
95%

% Expended (Total):
95.95%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
40%	Favorable/60%	00.00%	Favorable/100.00%

Project Goal(s.
Develop a plan for final closure of the North Cell of Hart-Miller Island Dredged Material Placement Site by FY 2009.

Project Objectives:
1. Maximize the potential capacity of the site
2. Include a cap of clean sediment as a final uniform lift of about three feet in FY 2008 & 2009
3. Coordinate with dredging contractors, MES and MPA on near term inflow episodes at HMI

Project Status - Issues/Solutions (both required):

Pending issues are a) Temporary Berm design, b) Scheduling of new work and cap material prior to closure, c) Impacts of upcoming MDE discharge permit.

Signature: David F. Bibo
(Project Manager)

Date: September 27, 2004

POPLAR ISLAND
ENVIRONMENTAL RESTORATION PROJECT

OPERATIONS & ENVIRONMENTAL MONITORING
MONTHLY STATUS REPORT

July 2004

Operations Summary:

During July, the placement of the weir boxes in Cell 1 continued. The placement of the pipes and boxes in crossdike 1 B/C was completed and the excavated area was back filled. The weir box installation for crossdike 1 A/B began and continued into August.

Repair of washouts around the site continued in July. Much of this effort was concentrated in Phase II where the interior dikes in Cells 4, 5 and 6 were repaired. The operations group continued working on the new PIERP landbase.

Sand was recovered from Cell 4 and stockpiled for drying on the longitudinal dike in Phase II. Construction of the final interior cross dike in Cell 3 commenced and the building surcharge pad was completed.

During July, the remaining material was added to the building site surcharge to bring it up to the final elevation. Final grading on the surcharge was completed and wash outs on the edges of the surcharge were repaired.

Cell 3D:

In July, the perimeter trenches on the western and southern sides of Cell 3D were maintained to allow rain water to flow towards the sumps; the water that collected in these sumps was pumped into Cell 3 to be discharged through Spillway 6. The interior trenches on the western portion of the cell were filled in and the area was graded to remove existing vegetation.

The habitat island was rough-cut to its final size; the excess material was stockpiled on the island for future use in raising the elevation along the northern edge of the cell. A four-foot tall sand haul road was placed from the eastern edge of the cell to the habitat island to facilitate the removal of this stockpiled material. The moving of this material began at the end of the month and continued into August.

Interior trenches were cut into the eastern half of the cell to allow rainwater to reach the main channels in the cell where it could work its way towards the eastern most sump. Excavation of the smallest channels on the western portion of the cell began in July.

Monitoring Summary:

During the month of July the de-watering and crust management of Cells 2 and 3 continued. Spillway 1 was open and discharging precipitation that had collected in Cell 2. In Cell 3, a pump at Spillway 6 was actively discharging residual water from precipitation. During July, 3.48 inches of rainfall accumulated on the site, with an average pH of 7.45.

Sample Collection Activities:

A total of 72 environmental monitoring samples were collected during the July 2004 monitoring period.

- 10 soil samples
- 13 algae samples
- 1 Cell 4DX metal sample
- 22 Cell 4DX TSS samples
- 19 daily samples
- 6 weekly samples (metals, nutrients, alkalinity)
- 2 metal blanks

Daily Samples tested for pH, turbidity, dissolved oxygen, dissolved oxygen percent saturation, salinity, conductivity, temperature [FIELD], & total suspended solids [CEL].
Metals samples tested for daily parameters.
Nutrient samples tested for daily parameters.
Quarterly samples tested for bi-weekly or weekly parameters plus priority pollutant organics.

Daily Field Test Results:

Daily sample field test results are summarized in the attached Spillway Summary Spreadsheets. Spillway 1 in upland Cell 2 and the pumps at Spillway 6 in wetland Cell 3 were utilized at the facility during the July reporting period. The water discharged from these spillways/pumps was the result of de-watering, crust management activities and precipitation. The following table outlines the number of discharge days and the average field test results recorded at each spillway during the month of July 2004:

Spillway #	Discharge Days	Average Turbidity (NTU)	Average pH (units)	Average Dissolved Oxygen (mg/l)	Average Dissolved Oxygen Saturation (%)	Average Salinity (ppt)	Average Temperature (Degrees C)
1	5	16	7.26	6.92	92.1	15.3	24.3
2	0	--	--	--	--	--	--
4	0						
3D	0	--	--	--	--	--	--
5	0	--	--	--	--	--	--
6	20	33	7.60	5.29	64.6	10.1	22.4

Note: pH range specified in Maryland Surface Water Criteria of 6.5 – 8.5 units, and monthly average turbidity of 50 mg/l specified in Water Quality Certification, utilized as operational goals. Dissolved oxygen, salinity and temperature readings are collected without limits.

MDE has approved the use of pumps to discharge water from the wetland cells. This technique is needed to help discharge all of the water from the wetland cells since the elevation in these wetland cells is below sea level and the level of the spillways. In June, all discharge of effluent at Spillway 6 was accomplished by pumping.

Daily Total Suspended Solids Results:

Effluent total suspended solids (TSS) samples were collected once a day from each active spillway. The following table summarizes both the maximum and average TSS analytical results for each sample location during the July 2004 monitoring period.

Spillway Locations:

TSS Results	Spillway 1 (mg/l)	Spillway 2 (mg/l)	Spillway 4 (mg/l)	Pump 3D (mg/l)	Spillway 5 (mg/l)	Spillway 6 (mg/l)
Average	20	--	--	--	--	50
Maximum	32	--	--	--	--	254

Note: Effluent TSS limits of 800 mg/l daily maximum and 400 mg/l monthly average specified in the Water Quality Certification utilized as operational goals.

Weekly/Bi-weekly Sampling:

Nutrient sampling was performed on each active spillway on a weekly basis. Nutrient samples were collected at Spillways 1 and 6 on 7/19/04, at Spillway 6 on 7/7/04, 7/12/04 and 7/26/04, and at Spillway 1 on 7/13/04. Metal sampling was performed on a weekly basis in Cells 2 and 3. Metal samples were collected at Spillways 1 and 6 on the same dates the nutrient samples were taken.

Quarterly Priority Pollutant Sampling:

No quarterly sampling was performed during the July monitoring period.

Other Environmental Projects:

The crew from Anne Arundel Community College came out once during July to straighten up their exclusion fencing around planted SAV areas and re-filled their seed dispersal baskets in both the notch area and in Cell 4DX.

USFWS continued efforts to trap and relocate the remaining foxes on the site. USFWS also conducted SAV sampling in Poplar Harbor in July. They found grass at 44 out of the 282 sampling points randomly chosen for the July episode. In comparison, in July 2003 they found grass at 10 of 282 different random sampling points in the Harbor. Most of the grass was horned pondweed. Their sampling was conducted in mid- to late July. From casual observations prior to the sampling, there was likely a great deal more horned pondweed in the Harbor during June than what was sampled in July, as would be expected.

Diamondback Terrapin nesting season continues. At the end of July, 174 nests were located and marked. Towards the end of July, staff started ringing the marked nests with flashing.

MES received a Toxic Material Permit (TMP) from MDE to conduct hand application of a bacterial larvicide to control mosquitoes on Coaches and Jefferson Islands; this application occurred on July 15th.

During July, NOAA conducted the summer sampling event in Poplar Harbor, Cell 4DX and the reference sites.

USGS continued their survey of tern nesting success on the habitat islands in Cells 1, 3, 4DX and 5. Additional bi-weekly bird surveys continued on the entire site. Included in this bird count were counts of other animals such as butterflies, amphibians and small mammals.

Phragmites control continued this month. *Phragmites* stands in Cells 1, 3, 4, 5 and 6 were sprayed to control the spread of existing stands.

During July, soil and algae sampling continued on a bi-weekly basis. The presence of a possible toxic blue-green algae was discovered in Cell 1. This specific alga is thought to only be toxic in fresh water environments and there have been no observed fish or bird mortality at the site.

Date: September 27, 2004
For Period: 8/01/04 –8/31/04

Maryland Port Administration
Project Status Report Form

Project Name: EPATS TASK 2 – Technical Support

MPA Project Manager: David Bibo
MES Project Manager: Cece Donovan

Assignee(s) (Consultants/Contractors):
MES
General Physics

Contract Period: May 1999 – June 2005

Reporting Period: August 2004

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1175	54000010	500912	0302 – Technical Support

Project Budget (Total):

$712,132

Revisions:	**Revision #:**
$ 100,000 added 8/00	1
$ 100,000 added 6/01	2
$ 100,000 added 10/01	3
$ 100,000 added 04/02	4
$ 200,000 added 09/02	5
$16,000 added 03/03	6

% Complete (Total):

Ongoing – tasks assigned as needed by MPA

% Expended (Total):

83.67%

% Complete (Crnt FY): **Var/Balance:**

% Expended (Crnt FY):18.42%

Var/Balance: 81.58% (favorable)

Project Goal(s): To provide support to MPA for dredged material planning.

Project Objectives: To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

Project Status - Issues/Solutions: During this period, MES provided technical support to the DMMP process, and MES also continued technical support to the Corps' DMMP process, with a CAC meeting held on on August 11. General Physics attended the August 11 CAC meeting and prepared a meeting summary. General Physics also planned to attend a September 8 Port Safety Committee Meeting, and will prepare a meeting summary for distribution. The contract extension for General Physics was executed.

Report Period: August 1, 2004 through August 31, 2004

August 2004
MES continued support to the DMMP process. A meeting summary was prepared and distributed for the July 6 BEWG meeting. No August meeting was held, but planning for a September 7 meeting was initiated.

MES continued technical coordination with UMCES for GIS mapping, performed under contract to MPA. MES continued to manage and oversee the MPA/MES/MGS Coastal Geology Services IGA for MPA; project status reports were prepared and sent for this IGA. MGS continues to provide technical support to the DMMP process through attendance at BEWG meetings and assistance with the Corps DMMP scoring and option ranking process.

MES performed project management duties related to review, processing and recording of invoices and production of status reports.

MES delivered a presentation the Citizens Committee on the Cardiff Mine study on August 11.

MES executed the contract with Ms. Flanigan for EPATs Task 50. MES will be coordinating with MPA on an annual report to the Legislature on the State DMMP.

Invoiced for August: $4,127.15

Invoiced To Date up to August 31, 2004: $595,856.59

Remaining: $116,275.41

David Bibo 09.27.04

Date: September 27, 2004

Project Status Report Form
prepared by
Harbor Development

Project

Open-Ended Contract for Professional Dredging, Dredged Material Placement, Site Design & Site Operations

Project Manager:

David Bibo

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc. (GBA)

Contract Period:

10.10.03-12.11.04

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1270	54012010	500905	Task 10 - Poplar Island-Post Isabel Survey & Sampling

Project Budget (Total):

85,200

Revisions: **Revision #:**

% Complete (Total):

85%

% Expended (Total):

79.56%

% Complete (Crnt FY):	**Var/Balance:**	**% Expended (Crnt FY):**	**Var/Balance:**
35%	Favorable/65%	4.30%	Favorable/95.70%

Project Goal(s):

Collect hydrographic and topographic survey data along the perimeter of all future wetland cells and throughout Poplar Harbor. Sediment samples will be collected and tested for grain size and other related laboratory testing to determine the source of any significant locations of sediment transport.

Project Objectives:

Project Status - Issues/Solutions (both required):

All field work complete.

1. Compared to historic bathymetric data, GBA October 2003 survey data, and Moffat-Nichol survey data from 2002 to aid EA and CENAB in determining the source of a discrepancy in the Moffat-Nichol survey data.

Signature: David Bibo
(Project Manager)

Date: **September 27, 2004**

Date: September 27, 2004

Project Status Report Form
prepared by
Harbor Development

Project	**Project Manager:**
Open-Ended Contract for Professional Dredging, Dredged Material Placement, Site Design & Site Operations	David Bibo
Assignee(s) (Consultants/Contractors):	**Contract Period:**
Gahagan & Bryant Associates, Inc. (GBA)	02.10.04 -12.11.04

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1270	54012010	500905	Task 15 -Chesapeake Bay Northern Approach Navigation Channel

Project Budget (Total):	**Revisions:**	**Revision #:**
$83,800		

% Complete (Total):	**% Expended (Total):**
99.50%	99.13%

% Complete (Crnt FY):	**Var/Balance:**	**% Expended (Crnt FY):**	**Var/Balance:**
90%	Favorable/10%	97.87%	Favorable/2.13%

Project Goal(s):

To prepare a report that analyzes the use of the C&D Canal, Shoaling rates, and O&M for the C&D Canal and the Northern Approach channels at the current authorized depth.

Project Objectives:

1. Review three aspects of the use of the C&D Canal and the Northern Approach Channel to the Port of Baltimore; a) Shoaling characteristics, b) Ship traffic by draft Traffic conditions, and c) Restrictive effects of shoaling over time on ships by type and commodity. Review of commodity impacts of the Northern Approach at various depths.
2. Review related correspondence, specifically recent documents prepared to request justification of the Northern Approach. Review cost and economic evaluations presented in previous design reports.
3. Coordinate with the federal (CENAB & CENAP) and state agencies, Maryland and Delaware Pilots and others to collect shoaling, traffic and shipping data. Budget based on six meetings.
4. Shoaling and Traffic Study – Prepare an analysis of traffic/shoaling patterns, rates of shoaling and impacts on commodities at various depths.
5. Northern Approach O&M Cost Estimates – Prepare an analysis of the dredging program costs (O&M costs) for maintaining the 35ft Northern Passage Channel System.

6. Interface with Economic Studies Prepared by Others – Detailed economic studies, including cost benefits analysis will be prepared by others. GBA will interface with the evaluation of economic justification of the Northern Passage from multiple perspectives, including the Standard Corps Process and also an analysis, which includes local benefits.

7. Participate in periodic project meetings chaired by MPA and prepare power point presentations and meeting notes. Budget based on six project meetings.

8. Prepare a study report with presentation of evaluations made and findings of the work.

Project Status - Issues/Solutions (both required):

Previous Month: GBA completed a "Northern Passage Channel System Annual Cost Analysis Memo," and submitted to MPA. The Memo contained initial annual cost estimates for use in MPA's cost benefit analysis. Historical analysis of reported COE pay costs and quantities completed. Initial detailed engineers cost estimates were prepared and under GBA internal review. NPCS cost analysis draft report is under GBA internal review.

Moffatt and Nichol Engineers (MN) was authorized to perform modeling for hydraulic analysis of sediment transportation. MN submitted "Chesapeake & Delaware (C&D) Canal Approach Channel Shoaling Analysis – Hydrodynamics and Sedimentation Modeling Draft Report" on June 23rd. GBA and MPA reviewed through end of June. Began initial analysis on determining dredging volumes for channel depths 30, 25, and 20.

Current Month: Presentation information was prepared and reports reviewed and finalized during August. Currently , no action/ assignments are being performed.

Signature: David Bilo **Date:** **September 27, 2004**
(Project Manager)

Project Listing

Project Manager: Nathaniel K. Brown
Prepared: September 27, 2004 **Data Current to:** 08/31/04, SFY '05

	Project Name	Line	PIN #	Contract	Description
1	21st Year Monitoring Contract, (MDE)	840	50030020	293644	21st Year Monitoring Contract, (MDE)
2	22nd Year Monitoring Contract, (MDE)	845	50030020	293644	22nd Year Monitoring Contract, (MDE)
3	23rd Year Monitoring Contract, (MDE)	846	50030020	293644	23rd Year Monitoring C[illegible] (MDE)
4	MES Open Ended Consulting EPATS	1175	54000010	500912	[illegible]nal. Of Emissions [illegible] Port Oprs. – 3rd
5	MES Open Ended Consulting EPATS	1175	54000010		[illegible] General
6	MES Open Ended Consulting EPATS	1175			[illegible]iller Island
7	MES Open Ended Consulting EPATS	1175			[illegible]and [illegible]y Study
8	MES Open Ended Consulting EPATS	1175	5[illegible]		[illegible]ts, New
9	IGA- Mid Bay Island Study (MES)	1165	522[illegible]		[illegible]es & [illegible]l)
10	IGA- Mid Bay Island Study (MES)	1165	52280[illegible]		[illegible]nd
11	Interagency Agrmt. MDE/MPA Monit.	1215	5401071[illegible]		
12	SAV Study at Poplar (AA Comm. College)	1150	52260020		[illegible] Poplar (AA [illegible] College)

10/04/04

Frank.
Attached are my monthly project status reports for August 2004.
Nat

Project Listing

Project Manager: Nathaniel K. Brown
Prepared: September 27, 2004 **Data Current to:** 08/31/04, SFY '05

	Project Name	Line	PIN #	Contract	Description
1	21st Year Monitoring Contract, (MDE)	840	50030020	293644	21st Year Monitoring Contract, (MDE)
2	22nd Year Monitoring Contract, (MDE)	845	50030020	293644	22nd Year Monitoring Contract, (MDE)
3	23rd Year Monitoring Contract, (MDE)	846	50030020	293644	23rd Year Monitoring Contract, (MDE)
4	MES Open Ended Consulting EPATS	1175	54000010	500912	Task 15: Anal. Of Emissions from Ship & Port Oprs. – 3rd Phase
5	MES Open Ended Consulting EPATS	1175	54000010	500912	Task 32: APG General Reconnaissance
6	MES Open Ended Consulting EPATS	1175	54000010	500912	Task 38: Hart-Miller Island pH Study
7	MES Open Ended Consulting EPATS	1175	54000010	500912	Task 44: Poplar Island Expansion Feasibility Study
8	MES Open Ended Consulting EPATS	1175	54000010	500912	Character of Sediments, New Work Projects
9	IGA- Mid Bay Island Study (MES)	1165	52280020	504804	Task 3: Env. Field Studies & Cons. Env. Rep (James Isl)
10	IGA- Mid Bay Island Study (MES)	1165	52280020	504804	Task 3 (0313): Barren Island Environmental
11	Interagency Agrmt. MDE/MPA Monit.	1215	54010710	500910	Task 2: Baltimore Harbor TMDL Project
12	SAV Study at Poplar (AA Comm. College)	1150	52260020	502822	SAV Study at Poplar (AA Comm. College)

Project Status Report Form
Prepared by
Harbor Development

Project Name: SAV Study at Poplar (AA Comm. College)
Task #, Name: SAV Study at Poplar (AA Comm. College)

Project Name:	**MPA Project Manager:**
SAV Study at Poplar Island (AA Comm. College)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Anne Arundel Community College	**04/01/02-07/31/06**

Budget Line #	PIN #	Contract #	Task #, Name:
1150	52260020	502822	SAV Study at Poplar (AA Comm. College)

Project Budget (Total):	**Revisions:** **Revision #:**
$149,761	
% Complete-Work (Total):	**% Expended (Total):**
80%	**64.51%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
97%	3%	00.00%	100.00%

Project Goal(s):

- To create, through plantings of submerged aquatic vegetation, underwater wetlands for the Poplar Island Environmental Restoration project.

Project Objectives:

- Activities for this study would take place over a four-year time line.
- SAVs would be planted in Poplar Harbor and monitored over the four-year period for growth and survivorship;
- A resource and planting methodology for the state will be established;
- A photographic record will be established.
- A record of plants supplied for other environmental projects, with acknowledgements to MDOT/MPA will be maintained for five years.
- Yearly progress reports will be submitted to MDOT/MPA on this study.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **SAV Study at Poplar (AA Comm. College)**
Task #, Name: **SAV Study at Poplar (AA Comm. College)**

Project Status – Issues/Solutions (both required):

- Attached is a quarterly report for July to September 2004 report from Dr. Ailstock. It is challenging to get him to submit monthly project status reports.
- The most recent invoice received from Dr. Ailstock on this project was received November 21, 2003.

Signature/Date: 10/04/04
(MPA Project Manager)

Progress Report for the Underwater Wetlands Creation Project For Poplar Island

M. Stephen Ailstock, Ph.D.
Anne Arundel Community College
Environmental Center
101 College Parkway
Arnold, Maryland 21012
July 1-September 30, 2004
Report Nine

Assessment of Work

The summer SAV growing season has focused on the collection and transplanting of plants and seeds of *Ruppia maritima* and *Potamogeton perfoliatus* to the areas of the Notch and Cell 4DX. This work is summarized in Table One.

Table 1. Anne Arundel Community College Summary of SAV Activities and Planting Poplar Island Area of the Notch and Cell 4DX

Date	Species	Propagule	Planting Location	Quantity	Activity
July 1, 2004	*R. maritima*	plants	Cell 4DX	Remaining 2003 Ruppia	spread at Cell 4DX-"T's" baskets retrieved and returned to AACC for cleaning
July 9, 2004	*P. perfoliatus*	seed wrack		14 baskets	harvesting at CBEC
July 14, 2004	*P. perfoliatus*	seed wrack	Notch	4 baskets	deployment buoys
	P. perfoliatus	seed wrack	Cell 4DX	4 baskets	dispersed at "T's"
July 21, 2004	*P. perfoliatus*	seed wrack	Cell 4DX	4 baskets	deployment buoy
	P. perfoliatus	seed wrack	Notch	4 baskets	deployment buoy
	P. perfoliatus	seed wrack		14 baskets	harvesting at CBEC
July 22, 2004	*P. perfoliatus*	seed wrack		14 baskets*	harvesting at CBEC
July 28, 2004	*P. perfoliatus*	seed wrack		14 baskets	harvesting at CBEC
July 29, 2004	*P. perfoliatus*	seed wrack	4 "T" locations in Cell 4DX	4 baskets	spread
	P. perfoliatus	seed wrack	Notch	4 baskets	spread
	P. perfoliatus	seed wrack	Notch	4 baskets	deployment buoy

Table 1 continued. Anne Arundel Community College Summary of SAV Activities and Planting Poplar Island Area of the Notch and Cell 4DX

Date	Species	Propagule	Planting Location	Quantity	Activity
August 2, 2004	*P. perfoliatus*	seed wrack		12 baskets	harvesting at CBEC
August 5, 2004	*P. perfoliatus*	seed wrack	Cell 4DX	4 baskets	deployment buoy
	P. perfoliatus	seed wrack	Notch	4 bags	scattered
August 10, 2004	*R. maritima*	seed wrack		6 bags	harvested at Claiborne
August 12, 2004	*R. maritima*	seed wrack		14 bags	harvested at Claiborne
August 19, 2004	*R. maritima*	seed wrack	Cell 4DX	From collection dates 8/10 and 8/12	scattered
	R. maritima	seed wrack	Notch	From collection dates 8/10 and 8/12	scattered
September 2,2004	*R. maritima*	seed wrack		10 baskets	harvested at Slaughter Cr

* in cold storage

Considerable time was also spent in developing methods of extracting quantities of viable seeds from harvested plants and seed wrack of the primary SAV species. This work has progressed well and currently the isolated seeds are being tested for viability and to evaluate storage methods that will allow the deployment of these propagules at Poplar Island throughout the year at times favorable in terms of water quality and the natural plant life cycles. These seeds will be used for supplemental plantings at Poplar Island in the Notch and 4DX in the coming year after the sites are evaluated at the beginning of the growing season. The quantity including material to be used for experimentation is in excess of 5 million seeds for *R. maritima* and *P. perfoliatus* combined. A final seed-collecting trip to obtain additional *R. maritima* is scheduled for late September as the seed wrack accumulates along the shorelines of our collecting locations.

Remaining work for the 2004 growing season will include site visits to evaluate plantings to date and to retrieve the protective exclosures and seed deployment buoys which have proven vulnerable to ice and over winter colonization by various types of epiphytes. These will be reused and deployed again next year, the last full season of the current three-year project.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Interagency Agreement MDE/MPA Monitoring
Task #, Name: #2, Baltimore Harbor TMDL Project

Project Name:	**MPA Project Manager:**
Interagency Agreement MDE/MPA Monitoring	Nathaniel K. Brown
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	01/31/03-06/30/05

Budget Line #	PIN #	Contract #	Task #, Name:
1215	54010710	500910	#2, Baltimore Harbor TMDL Project

Project Budget (Total):		**Revisions:**	**Revision #:**
$164,000			
% Complete-Work (Total):		**% Expended (Total):**	
50%		20.93%	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
50%	50%	0.00%	100.00%

Project Goal(s):

- To conduct water quality related computer modeling of Baltimore Harbor.

Project Objectives:

- To estimate non-point source loads, simulate fate of toxics in Baltimore Harbor – harbor models and provide detailed assessment (Upper Bay Model) – VIMS.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Interagency Agreement MDE/MPA Monitoring**
Task #, Name: **#2, Baltimore Harbor TMDL Project**
Project Status – Issues/Solutions (both required):

- The toxic TMDL is currently being drafted.
- Modeling scenarios are currently being run for both the toxics and nutrient TMDLs.
- MDE expects to submit final nutrient and toxic sediment TMDLs to EPA in September 2004.

Signature/Date: 10/04/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 21st Year Monitoring Contract
Task #, Name: HMI 21st Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 21st Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/02-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
840	50030020	293644	21st Year Monitoring Contract, (MDE)

Project Budget (Total):		**Revisions:**	**Revision #:**
$306,446			
% Complete-Work (Total):		**% Expended (Total):**	
95%		**86.95%**	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
95%	5%	0.00%	100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 21st Year Monitoring Contract**
Task #, Name: **HMI 21st Year Monitoring Contract**

Project Status – Issues/Solutions (both required):

- A no-cost extension for this project was approved to allow expenditure of funds through FY05.
- All funds will be expended by that time and all final deliverables will be submitted.

Signature/Date: 10/04/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 22nd Year Monitoring Contract
Task #, Name: HMI 22nd Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 22nd Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/03-04/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
845	50030020	293644	22nd Year Monitoring Contract, (MDE)

Project Budget (Total):		**Revisions:**	**Revision #:**
$320,719			
% Complete-Work (Total):		**% Expended (Total):**	
50%		**12.99%**	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
50%	50%	0.00%	100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 22nd Year Monitoring Contract**
Task #, Name: **HMI 22nd Year Monitoring Contract**
Project Status – Issues/Solutions (both required):

- The summer sampling for Year 22 was completed in September 2003.
- No unusual conditions or delays have befallen the project.
- Sorting of benthic macroinvertebrates in the lab is approximately complete.
- Identification of benthic organisms has begun.
- All samples have been collected by MGS and CBL and analyses have begun.
- Draft reports are scheduled to be submitted to MPA by the end of December 2004

Signature/Date: 10/04/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 23rd Year Monitoring Contract
Task #, Name: HMI 23rd Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 23rd Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/04-01/31/06**

Budget Line #	PIN #	Contract #	Task #, Name:
846	50030020	293644	22nd Year Monitoring Contract, (MDE)

Project Budget (Total):		**Revisions:**	**Revision #:**
$321,944			
% Complete-Work (Total):		**% Expended (Total):**	
5%		**0.00%**	
% Complete (Crnt. FY)	**% Var./Balance (Crnt. FY):**	**% Expended (Crnt. FY)**	**% Var./Balance**
5%	**95%**	**0.00%**	**100.00%**

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 23rd Year Monitoring Contract**
Task #, Name: **HMI 23rd Year Monitoring Contract**
Project Status – Issues/Solutions (both required):

- The first field sampling has been conducted. MDE sampled on September 24, CBL and MGS sampled on Sept. 23rd and 24th.

Signature/Date: 10/04/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

Project Name:	**MPA Project Manager:**
Hart-Miller Island Ph Study	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service	**2/01/03-12/31/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	#38, Hart-Miller Island Ph Study

Project Budget (Total):	**Revisions:** **Revision #:**
$234,173	
% Complete-Work (Total):	**% Expended (Total):**
75%	**38.55%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balan,ce
75% (Adjusted to reflect additional subtasks added August 2004)	25%	3.95%	97.05%

Project Goal(s):

- To review existing and potential conditions in dredged material containment that may cause acid forming conditions and to assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control the acid forming conditions.

Project Objectives:

- To identify and assess existing and potential conditions that may cause acid forming conditions at HMI.
- To identify and assess dredging and dredged material containment operations that may cause acid forming conditions at HMI.
- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

- Identify and assess the suitable solutions for the management and control of acid forming conditions; and to identify and assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control Ph formations.

Project Status – Issues/Solutions (both required):

Issues

- None

Solutions

- None

Other MES Activities

- Prepared July progress report and reviewed client invoice for accuracy.
- Prepared contract change order documentation for additional tasks related to POA implementation.
- Facilitated kick-off meeting for additional subtasks (August 20).
- Attended DNR North Cell closure planning meeting (August 30).
- Attended North Cell Closure Team meeting (August 31).

Contractor (M&N / OAS) Activities:

- Attendance at two closure-planning meetings.
- Prepared draft memo on preliminary review of data collected for Harbor new work sediment (EA Report).

Future Activities:

- MES will continue to manage M&N and OAS in the development of the closure plan scenario document scheduled to be finalized the end of October.
- MES will present the results of the POA to the HMI Citizens Oversight Committee (COC). Additionally, MES will begin to discuss the North Cell closure plans with the COC.
- The last invoice received on this project was on 08/31/04.

Signature/Date: _____
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Characterization of Sediments, New Work Projects – Inner Harbor
(This project is included under MES Open Ended Consulting EPATS), Task #45

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
01/01/04-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1175	5400010	500912	#45, Character. Of Sediments, New Work Projects- Inner Harbor

Project Budget (Total):

$353,166

Revisions: **Revision #:**

% Complete-Work (Total):

80.00%

% Expended (Total):

86.48%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
80.00%	20.00%	15.02%	84.98%

Project Goal(s):
Characterize the harbor sediments in the Dundalk Marine Terminal (DMT), Seagirt, and Masonville Terminal New Work Areas. This characterization will identify the physical, chemical and cap related test properties to identify the quality of the sediments. These results from this characterization will be evaluated to determine appropriate placement options.

Project Objectives:
1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;

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Project Name: **Characterization of Sediments, New Work Projects – Inner Harbor**

Task #, Name: **#45, Character. of Sediments, New Work Projects- Inner Harbor**

3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.

Project Status- Issues/Solutions (both required):

- During the month of August MES and EA participated in a meeting at MPA regarding the new work dredging sediment analysis data being investigated as possible cap material at HMI. At this meeting OA Systems, MPA, EA and MES identified that additional investigation may be needed to characterize the sediments in the Seagirt Area. MES has also forwarded to MPA a technical Memo from OA Systems commenting on the "Characterization of Dredged Materials New Work Dredging Projects, Baltimore Harbor, Maryland, Seagirt and Dundalk Marine Terminals."

- MES is preparing a scope of work for a change order to further investigate and delineate the Seagirt Area. These additional tasks identified within this scope will support in the planning of the capping at HMI and identify the quantity and quality of the sediments in the study area.

- The last invoice received on this project was on 08/31/04.

Issues:

- No Issues.

Signature/Date: _____
(MPA Project Manager)

Project Status Report Form
Prepared by
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Project Name:	**MPA Project Manager:**
Poplar Island Expansion Feasibility Study (This project is included under MES Open Ended Consulting EPATS)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service	**08/01/03-12/31/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	Task #44, Poplar Island Expansion Feasibility Study

Project Budget (Total):	**Revisions:** **Revision #:**
$110,001	
% Complete-Work (Total):	**% Expended (Total):**
40%	**42.58%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
40%	60%	13.10%	86.90%

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

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Project Name: Poplar Island Expansion Feasibility Study
Task #, Name: #44, Poplar Island Expansion Feasibility Study

Project Status – Issues/Solutions (both required):

Subtask 44.1 Task Planning, Technical, Environmental and Administrative Services for the Poplar Island Expansion Project Management Plan Feasibility Studies (MES)

- MES communicated with the contractors and MPA on the contractual concerns related to the additional Poplar planning work requested by MPA.
- Coordinated with the Corps to obtain an electronic version of the most recent proposed alignments for the expansion.
- MES reviewed the revised PIES SEIS outline.
- MES received a monthly status report from EA on August 6th.
- On August 13th, MES submitted the monthly status report to MPA.
- MES prepared for and attended the PDT meeting schedule on August 19th. MES also prepared a meeting summary for the meeting.

Future Work Anticipated in September/October:

- MES will prepare for and attend the next PDT meeting on September 16th.
- MES will attend the next public meeting scheduled for October 6th.

Subtask 44.2 Poplar Island Expansion Feasibility Project Management Planning Support (EA/GBA)

- On August 6th, EA submitted the July status report.
- EA had one staff member attend the August 19th team meeting.
- EA staff addressed some minor technical questions; staff also handled some management issues associated with the subcontractor.

Future Work Anticipated in September/October:

- EA and GBA will attend the next team meeting scheduled for September 16th.
- EA and GBA will attend the next public meeting scheduled for October 6th.

Signature/Date: _____
(MPA Project Manager)

Project Status Report Form
Prepared by
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Project Name: **IGA – Mid Bay Island Study (James Island)**
Task #, Name: **#3 – Env. Field Studies & Cons. Env. Report (James Island)**

Project Name:	**MPA Project Manager:**
IGA – Mid Bay Island Study (James Island) Env. Field Studies & Sons. Env. Rep., Task #3	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period Relevant to this EPATS Task:**
Maryland Environmental Service	**11/01/02-12/31/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1165	52270020	504804	#3, Env. Field Studies & Cons. Env. Rep. (James Island)

Project Budget (Total):	**Revisions:** **Revision #:**
$335,931	
% Complete-Work (Total):	**% Expended (Total):**
78%	**60.25%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
70%	30%	2.81%	97.19%

Project Goal(s):

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

Project Objectives:

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

Project Status Report Form
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Project Name: **IGA – Mid Bay Island Study (James Island)**
Task #, Name: **#3 – Env. Field Studies & Cons. Env. Report (James Island)**

Project Status – Issues/Solutions (both required):

Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)

Subtasks 3.1 – 3.8 (James Island):
Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- MES received updates from Harms on the progress of the reports.
- MES received comments from MDE on the Draft Final James Supplemental report and responded to his comments/questions on July 2nd.
- MES received a July status report from Harms on August 5th. On this same day, Harms informed MES that they have had a heavy workload and have been unable to complete the revisions to the Spring and Supplemental reports but anticipate addressing the comments the week of August 9th.
- MES submitted the July status report to MPA on August 13th.

Future Work Anticipated in September:

- MES will receive an August status report from Harms on September 7th. MES will submit the August status report to MPA in Mid-September.
- MES anticipates receiving the Final Supplemental, Final Spring and Draft Consolidated reports from Harms.

Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Harms communicated via email and phone with MES regarding study progress and updates.
- On August 5th, Harms submitted a monthly status report.
- Harms continues to work with their subcontractor on finalizing the reports and submitting the draft consolidated report.

Future Work Anticipated in September:

- Harms will submit the Final Spring and Supplemental reports along with the Draft Consolidated to MES.
- Harms will submit a monthly status report to MES on September 7th

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Harbor Development

Project Name: **IGA – Mid Bay Island Study (James Island)**
Task #, Name: **#3 – Env. Field Studies & Cons. Env. Report (James Island)**

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report.

Future Work Anticipated in September:

- Task is completed. No further activity to report.

Signature/Date: _____
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Name:	**MPA Project Manager:**
IGA – Mid Bay Island Study (Barren Island Environmental) Task #3 (0313)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period Relevant to this EPATS Task:**
Maryland Environmental Service	**4/18/03-12/31/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1165	52270020	504804	#3 (0313), Barren Island Environmental

Project Budget (Total):	Revisions:	Revision #:
$433,482	$94,486	1

% Complete-Work (Total):	% Expended (Total):
88%	90.84%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
81%	19%	41.43%	58.57%

Project Goal(s):

- To conduct the feasibility level study of restoration of Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Objectives:

- To determine the feasibility of placing dredged material to restore Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

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Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Status – Issues/Solutions (both required):

Subtasks 3.9 – 3.16 (Barren Island):

Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)

- MES continued to coordinate on all aspects of this study with BBL.
- MES coordinated with the Corps to obtain an electronic version of the latest proposed Barren alignments that includes the shoreline protection option.
- On August 3rd, MES received BBL's July status report.
- On August 6th, MES received additional Corps comments to the Draft Final Barren Supplemental report.
- On August 8th, MES submitted comments on the Draft Final Supplemental to BBL.
- On August 10th, MPA informed MES they had no comments to the Draft Barren Consolidated report.
- On August 11th, MES received Corps comment to the Draft Barren Consolidated report.
- MES prepared responses to the Corps comments on the Draft Barren Consolidated report and submitted to the Corps on August 13th.
- MES submitted the July status report to MPA on August 13th.
- At the end of the month, MES submitted comments to the Draft Barren Consolidated report to BBL.

Future Work Anticipated in September

- MES will submit the August status report to MPA in Mid-September.
- MES will participate in a site visit to Barren Island and submit a trip report to MPA.

Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)

- BBL submitted a monthly status report on August 3rd.
- BBL communicated via email and phone with MES regarding study progress and updates.
- BBL received comments from MES on the Draft Final Supplemental report.
- BBL received comments from MES on the Draft Barren Consolidated report.

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Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

- BBL continues to work on the reports.

Future Work Anticipated in September:

- BBL will submit a monthly status report on September 9th.
- BBL will submit a Final Supplemental report to MES.
- BBL will submit a Draft Final Consolidated report to MES

Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)

- Task is completed. No further activity to report.
- Future Work Anticipated in August:
- Task is completed. No further activity to report.

Signature/Date: _____
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Analysis of Emissions from Ship & Port Operations – Study Phase II**
Task #, Name: **#15, Analysis of Emissions from Ship & Port Operations – 2ndPhase**

Project Name:	**MPA Project Manager:**
Analysis of Emissions from Ship & Port Operations – Third Phase (This project is included under MES Open Ended Consulting EPATS)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service/Edwards & Kelcey (E & K)	**12/15/00-06/30/05**

Budget Line #	**PIN #**	**Contract #**	**Task #, Name:**
1175	**54000010**	**500912**	**#15, Anal. Of Emissions from Ship & Port Oprs. –2nd Phase**

Project Budget (Total):	**Revisions:**	**Revision #:**
$161,952	**$55,028**	**3**

% Complete-Work (Total):	**% Expended (Total):**
66%	**66.01%**

% Complete (Crnt. FY)	**% Var./Balance (Crnt. FY):**	**% Expended (Crnt. FY)**	**% Var./Balance**
2%	**98%**	**2.14%**	**97.86%**

Project Goal(s):

- To produce a report on air emissions from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from shop and MPA operations in the Port of Baltimore.

Project Objectives:

- To produce a report on air emissions from Port activities.

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Project Name: **Analysis of Emissions from Ship & Port Operations – Study Phase II**
Task #, Name: **#15, Analysis of Emissions from Ship & Port Operations – 2ndPhase**

- To produce a second report on objectives and criteria to reduce emissions from Port activities.

Project Status – Issues/Solutions (both required):

- MES has executed the contract with Edwards and Kelcey for Phase III studies. A kick off meeting is scheduled for September 14, 2004.

Signature/Date: _____
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: **APG General Reconnaissance**
Task #, Name: **#32 – APG General Reconnaissance**

Project Name:
APG General Reconnaissance
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service/Andrews, Miller & Associates, Inc.

Contract Period Relevant to this EPATS Task:
4/25/02 - 6/30/05

Budget Line #	PIN #	Contract #	Task #, Name:
1175	5400010	500912	#32, APG General Reconnaissance

Project Budget (Total):

$271,849

Revisions: **Revision #:**

% Complete-Work (Total):

95%

% Expended (Total):

95.29%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
95%	5%	2.15%	97.83%

Project Goal(s):

- Place dredged material at the site as a natural resource for protecting valuable environmental habitat and from further shoreline erosion.
- General reconnaissance of the Aberdeen Proving Ground area to develop information regarding environmental and coastal conditions and unexploded ordinance and hazardous materials issues, identify land and water areas that are potentially suitable for use as dredged material placement sites.

Project Objectives:

- To conduct/develop a reconnaissance level of study of land and water areas within the boundaries of Aberdeen Proving Ground (APG) that are potentially suitable as dredged material placement sites with emphasis on water areas in the Chesapeake Bay and tributaries and

Project Status Report Form
Prepared by
Harbor Development

Project Name: APG General Reconnaissance
Task #, Name: #32 – APG General Reconnaissance

on land areas with riparian access or otherwise accessible from the APG shoreline.

- Identify and characterize the types, conditions, and prospective locations in composite format of hazardous and toxic materials that may be encountered.
- Identify and characterize the types, ages, conditions and prospective locations in composite format of UXO that may be encountered.

Project Status – Issues/Solutions (both required):
Issues

- Tasks 1-4 of the AMA contract are complete. This includes: the determination of APG Military and Superfund Status Relative to Dredged Material Management; Environmental Conditions Reconnaissance; Hazardous Materials and UXO Reconnaissance and Preliminary Risk Assessment; and Coastal Engineering Reconnaissance. Still underway are the preparation of the final report, supplemental tasks as assigned and general project and task management.

- For Task 5, Final draft of the: The Reconnaissance Study of Environmental Conditions at APG, UXO and Hazard Analysis in the Chesapeake Bay, and Coastal Engineering Reconnaissance Study For APG were submitted by BBL to MES. MES submitted these final draft reports to MPA and APG for review; comments were received in January and submitted to AMA for incorporation in to the consolidated report. AMA delivered the draft consolidation report to MES in April and MES forwarded a copy to MPA. The report review and editorial markup is now complete and the report comments were submitted to AMA in August. The final report is in the process of revision by AMA. AMA is anticipating completion of the Final report by the end of September.

- No outstanding issues.

- The most recent invoice received for this project was on 08/31/04.

Signature/Date: _____
(MPA Project Manager)

Project Status Report: to 08/31/04 **Project Manager:** John Vasina

Fiscal Year 2004

No.	Line No.	PIN#	Contract #	Description
1	880	600104-B	597849	C&D Pre-Construction Eng. Design
2	890	600104-D	200001-S	Air Gap System
3	1040	600106-E	597827	Oyster Reseeding Program
4	1095	52210040	502814	Chesapeake Bay Ports System
5	1100	52160020	500829	UM Current Meter Study
6	1105	52240020	502821	UM Economic Studies
7	1130	52170020	501918	UM Ballast Water Study
8	1135	600105-P	500912	Site Maint. Work at Masonville
9	1150	600105-S	598819	Dredged Material Recycling (Agricultural Use)
10	1175	54010740	500910	MDE Ballast Water Program
11	1180	600105-S	595919	Evaluation of Thin Layer Sites
12	1230	54012010	500905	Masonville Expansion (Kurt Iron)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:	**Project Manager:**
C&D Pre-Construction Engineering Design	**John Vasina**
Assignee(s) (Consultants/Contractors):	**Contract or Task Period:**
U.S. Army Corps of Engineers	**04/23/97 – 09/30/02 (original)**

Budget Line #	PIN #:	Contract #:	Task #, Name:
910	600104-B	597849	

Project Budget (Total): $1,250,400 (as of point of study suspension in FY '01)	**Revisions:**	**Revision #:**

% of Work Complete (Total): 100.00% (as of point of study suspension in FY '01)	**% Expended $ (Total):** 99.97% (as of point of study suspension in FY '01)

% of Work Complete (Crnt. FY):	% Var./Balance:	% Expended $ (Crnt. FY):	% Var./Balance:
0%	0%	0%	0%

Project Goal(s):
To determine optimal design of the C&D Canal deepening project and to undertake an economic evaluation of the project to justify the project's implementation.

Project Objectives:
To complete the Pre-construction, Engineering and Design phase of the Chesapeake & Delaware (C&D) Canal deepening project.

Project Status - Issues/Solutions (both required):

Issues:

- The economic evaluation, if based on the currently available information, would reflect number of negative trends that are short term in nature. Therefore, it would not constitute a suitable basis for making a long term decision pertaining to the project.

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Solutions:

- **Secretary John Porcari recommended to Lt. Colonel Brown of the Philadelphia District Corps of Engineers in his letter of January 16, 2001 to defer consideration of the economic justification of the project until a number of additional factors can be appropriately considered. (including: Vessel operating costs; temporary decline in the number of container vessel arrivals at the Port of Baltimore; shipping industry trends, etc.). The Corps agreed to follow Secretary's recommendation and the project was postponed by three years to allow more representative, long term trends, to be considered.**
- **MPA procured consultant (Dr. John Martin) to investigate the economic feasibility and justification for C&D Canal deepening. Dr. Martin is scheduled to complete his investigations approximately in July 2004.**
- **John Martin's study was completed in September and is currently under pier review.**

Signature/Date: John Vasina 09-27-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Air Gap System		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Association of Maryland Pilots		**02/18/00 – 03/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
920	**600104-D**	**200001-S; BPO# P020616**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$219,438		**$48,764.00**	**2**
% of Work Complete (Total):		**% Expended $ (Total):**	
100.00%		**100.00%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
100.00%	**0.00%**	**100.00%**	**0.00% (favorable)**

Project Goal(s):

To ensure safety of the container ship lines that call on the Port of Baltimore through the C&D Canal. Because of the bridge over the canal at Chesapeake City, navigation is unusually difficult at certain times. This is due to the varying effects of tide, wind and wave motion, load on a ship, working depth of the water and other factors that may reduce the known clearance between the bridge and the superstructures of ships using the canal.

Project Objectives:

To upgrade, refurbish and maintain the Airdraft Monitoring System at the C&D canal.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **The contract was extended to March 31, 2004. The Board of Public Works allows two years additional extension as long as price negotiated does not exceed a 4% increase for the extended period. Determination has to be made if the new PORTS System will replace the Airdraft Monitoring System maintain by the Pilots.**

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- **Pilots raised issue with clearances under bridges in Chesapeake Bay area (Bay Bridge, Francis Scott Key Bridge)**
- **Pilots requested if the MPA could initiate request to MdTA to conduct survey of the clearances under bridges in Chesapeake Bay area.**

Solutions:

- **Contract was extended to March 31, 2004.**
- **MPA had a meeting with pilots and the representative of MdTA (Nick Deros) to discuss the issues; new surveys will be requested from the MdTA.**
- **MPA is going to issue a letter to Umesh Murthy (MdTA representative) to request the surveys.**
- **Meeting with Pilots and NOAA took place on November 7. Dave McFarland of NOAA reiterated NOAA's determination to install an air gap system under the bridge at Chesapeake City by March 31, 2004.**
- **NOAA confirmed the installation of air gap system at Chesapeake Bay bridge and at Breeze Point.**
- **The contract with pilots will expire 03/31/04.**
- **Eric Nielsen, the President of the Pilots Association was contacted for the final billings of this contract for the period 01/01/04 through 03/31/04.**
- **Maryland Pilots will submit final invoice in June 2004.**
- **The invoice from Maryland Pilots was received.**
- **The activities under this contract were fully substituted by NOAA's PORTS system.**

Signature/Date: John Vasina 09-27-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Oyster Reseeding Program		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Department of Natural Resources		**06/01/02 – 06/30/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1075	**600106-E**	**597827**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$6,500,000			
% of Work Complete (Total):		**% Expended $ (Total):**	
82.00%		**88.98%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
20%	**80%**	**0.00%**	**100.00%**

Project Goal(s):
To provide large quantities of shells for habitat restoration of oyster population in the Chesapeake Bay.

Project Objectives:

To increase oyster population in the Chesapeake Bay.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **Program was originally structured so that each dollar was awarded for each cubic yard of dredged material that was placed in an open water site in the Bay. Under the current Agreement, the MDOT contributions to the Oyster Recovery program were scheduled to end in FY '02.**
- **DNR's George Hearlth provided invoices for the FY 2003 activities in the amount of $1,625,000.**

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Solutions:

- **New Agreement was executed between MDOT and DNR that will secure funding of the program through FY 2005. Beginning in FY 2002, MDOT shall pay to DNR annual payment of $1.625M from the Transportation Trust Fund.**
- **DNR's repayment of any funds previously advanced to by MDOT is forgiven.**
- **Continuation of the program funding was re-authorized in July, 2003 by MDOT.**
- **Description of the program is being placed on the MPA web-site.**
- **Billing by DNR is expected in March 2004 for the FY 2004.**
- **DNR is being contacted (Chris Judy) to bill for FY '04 funds.**
- **DNR submitted invoice in the amount of $1.625M for FY 2004 activities.**
- **DNR also submitted report pertaining to the fund expenditures in FY 2004 as required by the MDOT/DNR Agreement.**
- **The contract will expire June 30, 2005; needs to be extended (if applicable).**

Signature/Date: John Vasina 09-27-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:	**Project Manager:**
Chesapeake Bay Ports System	**John Vasina**
Assignee(s) (Consultants/Contractors): The National Oceanic and Atmospheric Administration	**Contract or Task Period:** 10/25/01 – 10/25/06

Budget Line #	PIN #:	Contract #:	Task #, Name:
1130	52210040	502814	

Project Budget (Total):	Revisions:	Revision #:
$1,575,650		

% of Work Complete (Total):	% Expended $ (Total):
77.00%	59.06%

% of Work Complete (Crnt. FY):	% Var./Balance:	% Expended $ (Crnt. FY):	% Var./Balance:
20.00%	80.00%	0%	100%

Project Goal(s):
To support safe and efficient navigation by providing ship masters and pilots with accurate real-time information required to avoid groundings and collisions.

Project Objectives:
To design, install, manage on ongoing basis, operate, maintain, and repair NOAA's Upper Chesapeake Bay Physical Oceanographic Real-Time System (PORTS).

Project Status - Issues/Solutions (both required):

Issues:

- New centralized voice system was implemented during the month of March, 2002. The system was installed in Silver Spring, MD, complete with full back up, and providing local (Silver Spring) and toll-free numbers to cover each PORTS.
- MPA needs current update of the status.

Solutions:

- MPA executed an Addendum to the contract to finance operation and maintenance in FY '04 (cost: $215K);

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- **MPA approved the new centralized voice system on February 20, 2002.**
- **The toll free number assigned to the PORTS Chesapeake Bay site is (866) 247-6787**
- **Richard Permenter of NOAA gave the update at Harbor Coordination & Safety Committee meeting on October 2, 2002.**
- **Meeting took place in May with NOAA and Md. Pilots to discuss issues pertaining to PORTS system in the Chesapeake Bay.**
- **Richard Permenter is permanently retiring in August, 2003. David MacFarland became new NOAA PORTS Program Manager.**
- **Kate Bosley is working full-time in another program and she is no longer involved in PORTS activities.**
- **Meeting with Md. Pilots and NOAA took place on November 7, 2003. Dave McFarland of NOAAA discussed issues with MPA and Pilots that were raised by Pilots before retirement of Rich Permenter of NOAA.**
- **PORTS system begin fully implemented in the Chesapeake Bay area in February, 2004**
- **There is a plan for celebration of the implementation of the system at the Secretary's level with NOAA.**
- **MPA Office of Communication will continue planning of the celebration; per Darlene Frank, this task will be assigned to other communications personnel after departure of Richard Berkow.**
- **MPA contacted NOAA in May pertaing to the FY 2004 O&M invoice. NOAA will provide MPA with approximately $215K invoice in June 2004.**
- **Meeting is planned for July, 2004 with NOAA, Maryland Pilots and MPA to discuss issue pertaing to safety navigation in the Chesapeake Bay.**
- **MPA accrued the $215K expenditures for FY 2004.**
- **The new Addendum to the Agreement for 2004 was executed in September, 2004.**

Signature/Date: John Vasina 09-27-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

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Project Name:		**Project Manager:**	
UM Current Meter Study		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland		**05/31/00 – 06/30/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1135	**52160020**	**502829**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$553,701			
% of Work Complete (Total):		**% Expended $ (Total):**	
81.00%		**73.03%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
10.00%	**90.00%**	**0.00%**	**100.00% (favorable)**

Project Goal(s):
To enhance the present shipboard-based Monitoring Program with continuous data to aid the detection of long term change in the Bay ecosystem and to forecast water levels currents and weather over the Chesapeake Bay area that will assist in vessel navigation and environmental work for the State's dredged material management program.

Project Objectives:
The purpose of this contract is to allow the University of Maryland Center for Environmental Studies to consult, deploy and maintain a Chesapeake Bay Observing System (CBOS) for the MPA.

Project Status - Issues/Solutions (both required): No additional issues since July 2004 report.

<u>Issues:</u>

- **The final report will be delivered on or before September 30, 2005 to the MPA. MPA will request interim progress report at the end of the FY 2002.**

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Solutions:

- **MPA will contact Dr. William Boicourt in Spring, 2003 to request the interim progress report.**

Signature/Date: John Vasina 09-27-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

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Project Name:		**Project Manager:**	
UM – Economic Studies		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland (Dr. Dennis King)		**02/01/02 – 01/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1140	**52240020**	**502821**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$457,690		**$249,750; $320,879**	**2**
% of Work Complete (Total): **76.00%**		**% Expended $ (Total):** **62.42%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
20.00%	**80.00%**	**8.05%**	**91.95% (favorable)**

Project Goal(s):
To support selection of the dredged material placement sites to be included in the Governor's Strategic Plan for dredged material management .

Project Objectives:
To create an economic model that would address comparison of the costs, risks, and benefits of dredged material management options.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **MPA requested report for the work done to date.**
- **Dr. King asked for the Amendment to the contract to continue work to January 31, 2004.**
- **Dr. King requested meeting with MPA to discuss issues pertaining to the cost/benefit ratios allocations for the DMMP suggested placement options, the Inner Harbor sites economic issues, and the issues pertaining to the economic study of the ballast water issue.**

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Solutions:

- **Dennis King delivered the requested report in April, 2003.**
- **MPA approved Amendment #1 in December 2002.**
- **Several meetings took place in October to address economic issues pertaining to the Strategic Plan.**
- **Dr. King submitted to MPA proposal of the scope of work, under the Amendment #2 to the existing contract, to continue work in Year 3 on the project.**
- **Amendment #2 to the contract was executed in December 2003 for $320,879 with time extension to 01/31/05.**
- **Meetings with Dennis King and MPA take place each month to discuss the issues pertaining to the Corps' economic analysis and other economics issues related to DMMP program.**
- **Dr. King's staff is involved in economic analysis of the Poplar Island expansion; the meeting with the Corps are scheduled to take place in May.**
- **Various frequent meetings are scheduled to discuss Corps DMMP and prepare presentations and analysis.**
- **Dr. King's staff is working with MES on economics analysis for Mid-Chesapeake Bay and Poplar Expansion projects.**
- **Dr. King is also working on the expansion of Dr. Martin's report pertaining to C&D cost/benefit justification study.**

Signature/Date: John Vasina 09-27-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
UM Ballast Water Study		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland		**09/01/00 – 12/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1170	**52170020**	**501918**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$673,277		**$308,697**	**1**
% of Work Complete (Total): **84.00%**		**% Expended $ (Total):** **96.17%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
20.00%	**80.00% (favorable)**	**0.00%**	**100.00% (favorable)**

Project Goal(s):
To identify improved methods for ballast water treatment and management and prevention of boat transport of invasive species.

Project Objectives:
To conduct realistic shipboard trials of methods for the treatment of ballast water, with specific emphasis on the Chesapeake Bay. The primary (voraxial separator) and secondary (ultraviolet irradiation and chemical biocide) treatments to be rigorously tested in the ballast tanks of an ocean going commercial vessel in Baltimore Harbor under normal ballasting conditions.

Project Status - Issues/Solutions (both required):
<u>Issues:</u>

- **Additional work is necessary to probe various issues pertaining to the measurement of the particulate separatory efficiency of the primary treatment (voraxial separator) and of the viability of bacteria, zooplankton and phytoplankton subjected to both primary and secondary treatments and other issues that arised during the course of study which need to be addressed in order to successfully complete the ballast water study.**

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- **The new system is being currently installed on Cape Washington by Dr. Wright and his technical support (Hyde Marine, Inc. and General Shipyard Co.) There are issue with possible deployment of the ship in Persian Gulf.**

Solutions:

- **First Amendatory Agreement to the contract was approved in December 2002 for additional funding of $308,697 with the term extended to December, 2004.**
- **Meeting between MPA and UMCES was held in September, 2002 to address issues pertaining to the Amendment.**
- **University of Maryland was requested to provide MPA with a statement of absence of conflict of interest due to principal investigators (Drs. Wright & Dawson) having patent with C-Clean.**
- **The Phase II of the study will be conducted using the same technology (Maritime Solutions, Inc. microfugal separator) provided it is functional.**
- **The Phase II will take place on the MARAD ship (other than Cape May) docked in the Port of Baltimore. The MARAD ship was not allocated to the project as of February 28, 2003.**
- **Trip was made to Flemington, NJ to observe Maritime Solutions' separator in February 2003.**
- **Several meetings are scheduled for June and July to coordinate work of UM**
- **Maritime Solutions, Inc. withdrew from the joint project with UM to pursue testing of their own system.**
- **Drs. David Wright and Roger Dawson, along with project partner Thomas Mackey of Hyde Marine, Inc. presented the results of their earlier work at the 2nd International Ballast Water Treatment R&D Symposium held at the headquarters of the International Maritime Organization (IMO) in London on July 21-23, 2003.**
- **The University of Maryland started to publish a periodical pertaining to the ballast water issues.**
- **UM together with Hyde Marine, Inc. will install experimental treatment system on the board of Cape Washington by the end of November, 2003.**
- **Dr. Wright submitted preliminary proposal for the extension of the contract to MPA in December 2003. (The proposal is currently being reviewed by MPA).**
- **Debbie Aheron of MARAD is discussing details of work with Dr. Wright and both parties try to set up contingencies for possible deployment of the Cape Washington to the Persian Gulf.**
- **Cape Washington was deployed in Gulf war; MPA and UM are looking for temporary placement of the equipment off shore to continue with the study.**
- **Negotiations are in process to place the equipment and continue with the study at MPA's Clinton Street location.**
- **Meeting is scheduled for July 2004 with MPA management to discuss the project in general, ROE, and the amendment to the contract.**
- **ROE was approved in July 2004**

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- **Contract Amendment to proceed with Phase I of the new study cycle is currently in process; expected to be signed in September, 2004.**

Signature/Date: John Vasina 09-27-04
(Project Manager)

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Project Name:		**Project Manager:**	
Site Maintenance Work at Masonville		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Maryland Environmental Service		**09/09/02 – 12/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1175	**600105-P**	**500912**	**35**
Project Budget (Total):		**Revisions:**	**Revision #:**
$657,378		**$33,599**	
% of Work Complete (Total):		**% Expended $ (Total):**	
95.0%		**97.21%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
40.00%	**60.00% (favorable)**	**36.13%**	**63.87% (favorable)**

Project Goal(s):

To condition the site for further development in support of terminal operations .

Project Objectives:

To suppress phragmites and provide rough grading of the inner harbor Masonville site.

Project Status - Issues/Solutions (both required):

Issues:

- **The scope of work incorporates use of aerial applicator and extensive rental of heavy equipment.**

Solutions:

Active grading and clearing is occurring, with five pieces of equipment in use today. Where grading has occurred, the phragmites growth appears to be mostly controlled. Approximately 50% of the site is graded, and an additional 20% has been cleared and is in the process of being graded. Spraying of approximately 16 acres occurred on July 15, 2003. It is anticipated that this spraying will kill the phragmites

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Prepared by John Vasina
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above ground growth, but only provide minimal killing of the roots. Jim Sammis of WeedPro informed us that we may not see signs of the Phragmites dying off for 7-10 days, but the plants will begin to translocate the herbicide within 24 hours and this will start the dying process. MES observed signs of yellowing on some of the sprayed phragmites. MES will continue to clear and grade the site including the newly sprayed phragmites. All phragmites as well as the root mat are to be hauled off site to the Quarantine Road landfill. All reasonable effort will be made to remove any phragmites roots and above ground material from the site and not buried on site. Once the site is graded, no spraying will occur until September when the phragmites is fully tasseled. At this time, WeedPro will perform an aerial spray of the entire site at the most appropriate time to kill the phragmites roots and plants.

MES is still looking at completion of grading by the end of July, with the exception of the north side where stabilization still needs to occur. Luis has forwarded a sketch of the areas in need of stabilization. MNE has forwarded specifications for stone and geogrid to David Ferguson who is pursuing costs to provide MPA and MNE with a cost to stabilize these two areas.

Craig Huntley of MES first met Ken at the cell 5 site to discuss boring locations. EBA expects to be on site the end of next week and will be using an ATV for accessing the boring sites. Larry Walsh met us to see the site as well. JMT has previously staked out the existing pipe to make locating the alignment easier.

On phase II, the entire site is graded and rolled, except for the northern end that still needs to be stabilized. David Ferguson is to get Craig cost estimates as well as a record of available funds in the contract. Once we have this information, we can determine how much can be stabilized within the existing funding. A final survey needs to be done on the site, but this should wait until the site is fully stabilized. This is the same area where URS is planning SWM and we will coordinate with their plans.

The phragmites are coming back in some areas, but not heavily or to the point of tufting. If spraying is put off as late as possible, this would be around the third week of October. According to Jim Sammis and everyone else Craig have spoken to, unless the Phrag is tufting, there will not be full translocation to the roots. Because of this, and the fact that the phrag is very thin throughout the site. It appears that the most practical approach is to schedule spraying from a truck or with backpack sprayers and to not use aerial spraying. Once this is agreed upon, we need to let Jim Sammis of Weedpro know, so he can schedule accordingly.
Possible new phase of the project could be implemented to accommodate terminal for Mercedes Benz.

Signature/Date: John Vasina 09-27-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Dredge Material Recycling (Agricultural Use)		**John Vasina**	
Assignee(s) (Consultants/Contractors): University of Maryland - Wye Agricultural Laboratory/MES		**Contract or Task Period:** 09/01/97 – 12/31/06	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1190	**600105-S**	**598819**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$384,835			
% of Work Complete (Total): 90.00%		**% Expended $ (Total):** 85.78%	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
16.00%	**84.00%**	**2.07%**	**97.93% (favorable)**

Project Goal(s):
To make preliminary recommendation that the agricultural use of dredge material is either viable option to be considered for Governor's Strategic Plan for Dredged Material Placement or it should not be considered for the inclusion in the Plan. .

Project Objectives:
To address the benefit created through improving unproductive land (farmland). Additional objective is to quantify the value of unproductive farmland vs. the improved value of the land if dredged material increases agricultural yields.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **Need to quantify volume of dredged material that can be realistically applied to the farmland.**
- **Need for assessment of the viability of this option for the Governor's Strategic Plan.**

Need to extend the contract beyond 12/31/02.

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Prepared by John Vasina
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- **MES have scanned Ken Staver's report in as an adobe acrobat pdf file, so whenever MPA decides to distribute to any citizen or other DMMP committees, MES can do that electronically or as a paper file report.**

Solutions:

- **Dr. Ken Staver of University of Maryland gave a presentation on agricultural applications at the Dredged Material Management Program Citizens Advisory Committee meeting on January 9, 2002.**
- **HMI Citizens Oversight Committee visited Wye Institute on August 20, 2002. Dr. Ken Staver gave the tour and presented lecture to the Committee.**
- **MES submitted requested and MPA approved no cost extension to December 31, 2006.**
- **Dr. Ken Staver (principal investigator) will a report to MPA in November, 2003 so the MPA can evaluate viability of this dredged material placement option for the Governor's Strategic Plan.**
- **Meeting with Dr. Staver and MES took place in November, 2003 and the initiation of the new plan for further enhancing the project was approved by MPA. Dr. Staver and MES will present the MPA with the plan in February 2004.**
- **The Wye Agricultural Research Center report was accepted in December, 2003.**
- **A meeting with MPA was held in December to discuss future actions.**
- **A meeting was [planned for February 12 for MES and Wye to develop the requested proposal for future activities with MPA requested a proposal detailing future activity. MES is requesting the ability to allocate $5,000 for laboratory analysis by Wye of recycling project soil samples. Money is available in the budget for this.**
- **MES continues to work on a draft proposal for MPA review for future work. Cece Donovan talked to Ken Staver on March 31 about proposal elements for Wye and set target completion date for a proposal. MES will follow up in July.**
- **Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August1.**

Signature/Date: John Vasina 09-27-04
(Project Manager)

Project Status Report Form

Prepared by Maryland Environmental Service (MES) for

Harbor Development

Project Name:
Dredged Material Recycling

MPA Project Manager:
John Vasina

Assignee(s) (Consultants/Contractors):
Maryland Environmental Service
USDA- Beltsville
University of Maryland - Wye Agricultural Research Center

MES Task Manager: Cecelia L. Donovan

Contract Period: 9/1/1997 – 12/31/2006

Budget Line #	PIN #:	Contract #:	Task #, Name:
	600105-S	598819	

Project Budget (Total):	Revisions:	Revision #:
$384,835.39 (Original)		

% Complete (Total):	% Expended (Total):
90%	85%

% Complete (Crnt. FY):	% Rem. (Crnt. FY):	Expended (Crnt. FY):	Balance:
16%	84%	$1118.59	$54,707.68

Project Goal(s): To investigate the feasibility of using dredged material on agricultural land as a soil supplement or soil amendment.

Project Objectives: The MPA initiated this project in 1998, with three major objectives – to perform a feasibility study for agricultural recycling of dredged material; to attempt to find recycling options for up to 500,000 cubic yards of dredged material annually; and to investigate agricultural, horticultural and industrial application of dredged material, defining soil and water quality and crop germination and production factors.

Progress Towards Objectives: Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August 1. MES is in the process of reviewing and editing the Wye proposal and preparation of an overall proposal for the next phase of this work for MPA.

Project Status - Issues/Solutions (both required):

- MES continues to work on a draft proposal for MPA review for future work. It will be combined with Ken Staver's proposal and folded into an overall proposal for the entire task for submission to MPA.
-

Signature/Date: Cecelia L. Donovan 9/16/04
Project Manager

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
MDE Ballast Water Program		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Maryland Department of the Environment		**01/31/03 – 01/01/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1215	**54010740**	**500910**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$161,000		**$0**	
% of Work Complete (Total):		**% Expended $ (Total):**	
73.00%		**76.05%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
20.00%	**80.00% (favorable)**	**0.00%**	**0.00% (favorable)**

Project Goal(s):
Implementation of reporting of information by maritime industry to MDE about ballast water. (Maryland legislation enacted in 2000 created an enforceable requirement for the maritime industry).

Project Objectives:
MPA's funding support helps MDE to start the program, draft and promulgate regulations, and set up the ongoing reporting framework.

Project Status - Issues/Solutions (both required):
<u>Issues:</u>

- **Program was originally funded from MPA's operating budget.**

<u>Solutions:</u>

- **Approval has been received from Secretary Porcari to amend the existing MOU between MPA and MDE (Contract No. 500910) and allow MDE to conduct work in support of MDE's ballast water program under this contract.**
- **MDE is submitting quarterly reports.**

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- **MDE's ballast water program regularly update and maintain a ballast water database that is used to collect information about ballast water report forms, ships that enter and depart the State of Maryland, contact information and compliance tracking. MDE is sending compliance verification letters to shipping agents of vessels that did not send in report forms at the end of each month. For example, in 2003, the average compliance rate (prior to receipt of compliance verification letters) was 71%. However, the average compliance rate (after receipt of compliance verification letter) climbed to 94%.**

-

Signature/Date: John Vasina 09-27-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Professional Dredging Engineering		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Gahagan & Bryant Associates, Inc.		**11/01/01 – 10/30/02**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1220	**600105-S**	**595919**	**#9A – Evaluation of Thin Layer Sites**
Project Budget (Total):		**Revisions:**	**Revision #:**
$21,555			
% of Work Complete (Total):		**% Expended $ (Total):**	
100.00%		**100.00%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
0.00%	**100.00% (favorable)**	**0.00%**	**100.00% (favorable)**

Project Goal(s):
To make preliminary recommendation that thin layer sites are either viable option to be considered for Governor's Strategic Plan for Dredged Material Placement or they should not be considered for inclusion in the Plan.

Project Objectives:
Generation of a concept-level appraisal of the application of maintenance dredging materials in a thin layer at wetland sites in Chesapeake Bay.

Project Status - Issues/Solutions (both required): No additional issues since May 2004 report – Task is completed.

<u>Issues:</u>

- **Project is currently in process of amendment; the work is going to be performed under new GBA / MPA contract #500905.**
- **The ACE Baltimore District is arranging for demonstration of the wetland thin layering at Blackwater. Troy Deale of Aztec Development will conduct the demonstration.**

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Solutions:

- **Additional funding need is going to be covered from the new open-ended contract with GBA; contract #500905, PIN #54012010.**

Signature/Date: John Vasina 09-27-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Professional Dredging Engineering		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Gahagan & Bryant Associates, Inc.		**11/25/02 – 12/11/03**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1270	**54012010**	**500905**	**#7– Masonville Expansion (Kurt Iron & Metal)**
Project Budget (Total):		**Revisions:**	**Revision #:**
$36,500			
% of Work Complete (Total):		**% Expended $ (Total):**	
100.00%		**51.76%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
100.00%	**0.00% (favorable)**	**0%**	**100% (favorable)**

Project Goal(s):
To conceptually evaluate new inner harbor facility or facilities for the placement of maintenance and new work dredged materials from the inner harbor sites.

Project Objectives:
Prepare preliminary plans and cost estimates for the alternatives developed. GBA's deliverables will include plan drawings, construction costs estimates, owner costs associated with filling activities, site capacity and containment construction and filling schedules bracketed to capture both the fastest and the most cost effective means of recovering the land.

Project Status - Issues/Solutions (both required): No additional issues since July 2004 report – Task Completed.

<u>Issues:</u>

- **It is necessary to promptly gather information pertaining to these potential dredged material placement sites in order to place them as a possible options for**

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Harbor Development

consideration in Maryland's Dredged Material Management Plan.

Solutions:

- **A preliminary draft series of plan drawings, tables, charts and schedules were submitted by GBA within 14 days of authorization to proceed with this work (November, 2002).**

Signature/Date: John Vasina 09-27-06
(Project Manager)

Project Status Report Form
Prepared by MES for
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Project Name:

Poplar Island Environmental Restoration Project (This project is included under MES Open Ended Consulting EPATS)

MES Project Manager: Melissa Slatnik

MPA Project Manager: Dave Bibo

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract Period:

01/01/04 – 01/31/04

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
	54000010	500912	#46, PIERP Adaptive Mgmt. Plan (AMP)

Project Budget (Total):

(Contract Amount) $292,019

Revisions:

Revision #:

% Complete (Total):

35%

% Expended (Total):

26.98%

% Complete (Crnt. FY):	**% Var./Balance (Crnt. FY):**	**% Expended (Crnt. FY):**	**% Var./Balance:**
35%	**65% (Favorable)**	**.54%**	**99.46%**

Project Goal(s):
- **Continuation of services on the Poplar Island Adaptive Management Plan (AMP) and Project Management Plan (PMP).**
- **Development of the updated Poplar Island Habitat Development Framework (HDF).**

Project Objectives:
- **Provide revised drafts of the HDF.**
- **Provide technical support and contractor oversight for the continued development of the AMP and PMP.**
- **Provide support at the AMP team meetings and HDF development meetings (Habitat Sub-group Meetings).**

Project Name: Poplar Island Environmental Restoration Project
Task #, Name: #46, Adaptive Management Plan (AMP)

Project Status Report Form
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Harbor Development

Project Status – Issues/Solutions (both required):

- **Issues**

  - Task management database needs to be updated for Fiscal Year 2005.
  - EA has indicated that they may have difficulty achieving their MBE goal.

- **Solutions**

  - MES will finalize 2004 task closeouts and 2005 task forms.
  - EA will work with Corp to initiate development of 2005 task forms.
  - EA has identified an additional MBE Contractor and within-scope work for that Contractor to perform. MES is in the process of reviewing that Contractor's qualifications for addition to the Scope of Work.

- **MES Activities:**

  - Contractor oversight and management.
  - Drafted June progress report; reviewed and approved subcontractor and client invoices.
  - Began review of final PIERP AMP distributed by EA on July 13, 2004.
  - Began review of final PIERP PMP distributed by EA on July 16, 2004.
  - Continued updating all closed, existing and FY 05 environmental work tasks for inclusion in the task management database.

- **EA Engineering, Inc. Activities:**

  - Prepared June progress report.
  - Finished organizing photos for appendix to PMP and finalizing other PMP attachments.
  - Distributed Final PMP on July 16, 2004.
  - Distributed Final AMP on July 13, 2004.
  - Continued working on AMP database for FY05 tasks.
  - Continued preparation of expanded lists of target species for AMP in response to PIERP Habitat Subgroup request.

- **Future Activities:**

  - MES will continue to update all closed, existing and FY05 environmental tasks sheets. The information will be forwarded to EA for incorporation into the task management database.
  - EA will continue to refine and update the AMP.
  - MES will evaluate whether a dedicated person will be required for recording, tracking and updating MES tasks for the AMP.

Project Status Report Form
Prepared by MES for
Harbor Development

Total Contract Amount: $292,019

Total 07/31/04 Invoice: $1,149.39

Total Amount Invoiced as of 07/31/04: $78,801

Contract Balance: $213,218

Project Manager/Date: David Bilo 082004

******INTERNAL USE ONLY*******

Cox Creek DMCF
Task Update
July 2004

****All tasks included in this update (except where noted) are funded from the approved FY 05 Cox Creek Operations and Monitoring Budget. Costs associated with specific Cox Creek monitoring tasks are not tracked separately, unless requested.****

Environmental Monitoring Tasks for Reporting Period:

Update: Monitoring activities at Cox Creek during the reporting period were based on correspondence and coordination with the Maryland Department of the Environment (MDE) that led to the development of an approved storm water monitoring plan (July 2003). Under this plan, stormwater that collects at the facility is tested and discharged to the Patapsco.

With high zinc concentrations occurring throughout the month, MES has been collecting additional daily grab samples and coordinating a 24-hour laboratory turn around time for results to assist in making operational decisions. MES also continues to prepare and submit a monthly report to MDE documenting the metal and ammonia concentrations in the storm water being discharged from Cox Creek.

MPA submitted a report to MDE detailing the quality of the sand and the suitability as a potential borrow source and the MPA, MDE and MES are currently discussing the results. A determination of use is expected in August.

- Collection of 8-hour composite sample during stormwater discharge
- pH monitoring in the South Cell Sump 1 Pond every two hours
- Maintained and calibrated lab and field equipment daily
- Monitored the pH of the ponds in the South Cell daily
- Monitored the transfer of water from the North Cell to the South Cell.
- Transported daily and weekly samples to laboratory and compared the results with MDE guidelines to maintain discharge.
- A weekly ambient sample of the receiving water was taken to determine the acute ammonia toxicity criteria (performed on 07/08/04, 07/23/04 and 07/28/04).
- Hach kit tests were performed to test ammonia concentrations in the Sump pond and in the ambient samples
- Determined when lime would be periodically added to the South Cell Sump 1 pond based on pH levels and metal concentrations.
- Added lime to South Cell ponds to maintain proper pH levels for discharge.
- Compiled data into weekly and monthly reports
- Developed a supplementary monitoring plan for the Swan Creek mitigation area. A new monitoring plan report was prepared and a copy was sent to the MPA for review.

- Maintained analytical databases
- Ordered supplies for environmental monitoring
- Continued mosquito sampling and reporting of site conditions to MES headquarters and Maryland Department of Agriculture (on-going process).
- The possible use of sand taken from the site for placement on the perimeter dikes was further reviewed. Sample data was reviewed and a summary report was prepared and sent to the MPA. The MPA forwarded the information to the MDE.

Future: MES will continue the water quality monitoring and prepare the June 2004 monthly report. The Swan Creek Mitigation Area plan will be finalized and submitted to MPA for review. Once approved, this plan will be implemented and monthly reports on the mitigation site will be submitted under separate cover.

Meetings, Tours & Events:

- 07/07/04 @10:00 a.m. – Spillway construction meeting w/ Cianbro – Location: On-site
- 07/09/04 - A progress meeting was held with Moffatt and Nichol- Location: MNE.
- 07/20/04 @10:00 a.m. – Spillway construction meeting w/ Cianbro – Location: On-site
- 07/20/04 @ 1:00 p.m. - Run through of Public Information Meeting - Location: On-site
- 07/21//04 @ 8:00 a.m. - Cox Creek Progress Meeting – Location: On-site.
- 07/22/04 @7:00 p.m. – Cox Creek Public Information Meeting – Location: Orchard Beach Volunteer Fire Department, Anne Arundel County, Station 11

Cox Creek Discharge Permit:

Update: The Cox Creek NPDES permit application package was finalized and submitted to MPA the end of April and delivered to MDE on May 5, 2004. This package included the EPA application Form 1 General, Form 2D NPDES, information on planned operations, general information on a chemical translator studies, information from the ammonia study, and potential options available to control Cox Creek discharge water quality.

In preparation of the Cox Creek public information meeting, MES met with the MPA on July 9th, 19th and 20th and finalized the presentation, handouts and station information. The public meeting was held on July 22, 2004 and MES staff were present to deliver the presentation and man the stations.

Future: MES will draft the meeting summary from the public meeting.

Operations Tasks for Reporting Period:

Update: The MES operations group is currently conducting tasks which can be split into the following categories: general operations, equipment maintenance and repair tasks,

and site management and other in an effort to prepare the Cox Creek site for future inflow operations.

Construction Activities:

- Continued to push up suitable material in the South Cell.
- Hauled material from South Cell stockpile to berm construction areas in the South Cell.
- Continued to create berm in South Cell to hold water back from toe of perimeter dike – required for future bench construction
- Further stripped *Phragmites* and root mats to expose useable material.
- Installed drainage ditches in the North and S. Cells as needed.
- Continued to place #57 Stone in eroded areas on dikes.
- Finished trenching & preparing areas around trailer for electrical lines and stone placement, respectively. Conduit installed and trenches backfilled. Stone placement awaiting water line installation.

Equipment Maintenance and Repair Tasks:

- Daily operational maintenance performed on all heavy equipment.
- Daily servicing of 6" pumps.
- Contacted Alban Tractor about PM schedule for all rental equipment.
- Set-up PM service with Alban for Short Reach Excavator, Long Reach Excavator, Pontoon Excavator, D6 Dozer, and D5 Dozer (all PM services completed 07/12/04, 07/13/04, & 07/14/04).
- Completed manufacturer training class for new Bomag Roller (07/20/04).
- McClung-Logan repaired the steps on one Volvo Dump Truck (7/19/04).
- Welding repair work by Clark Machine on pontoon excavator under-carriage frame

(completed 07/26/04 – 7/28/04).

Site Management and Other:

- Power washed & painted walls and cleaned oil spill in Maintenance Shop when time allowed (little work has been done on this task due to lack of available personnel).
- Allied Trailers fixed the new trailer conference room door latch, cleaned up debris inside and outside, painted skirting to match existing color, fixed and painted inside paneling, and fixed the door locks on 07/12/04. Walk through with Allied Trailers and MES representatives also held 07/12/04. All installation work on trailer is complete and the invoice has been paid.
- Refrigerator, microwave, filing cabinets, bookshelves and all remaining office furniture such as desks and chairs were purchased for new trailer.
- Continue working on the new trailer electrical, sewage, and water service connections (on-going process).
- Three bids were collected for a John Deere "Gator" and the purchase order paperwork completed.

- Obtained bids on new swing gate for site entrance and scheduled installation with Best Fence for 08/15/04. Since the DPO limit was recently raised this purchase will be made under a DPO.
- Three bids were collected for cleaning the storm drain system and the purchase order paperwork was completed. WTM Enterprises (Waste-Tron) will complete this work.
- Site personnel reviewed the location of a possible access road for any construction activities to take place at the storm water management pond. The access road will likely require significant earthwork, heavy equipment use, and armor stone removal in adjacent areas around the perimeter dike. Minor repairs to discharge area (placement of Rip-Rap) will be discussed at a later date if required.
- Purchased six crane mats for site use.
- Started making arrangements and collecting bids for the installation of a phone system in the new trailer.
- A second generator was rented and MES electricians wired the generator to the new trailer on 07/20/04.
- Began working with the MES IT Department and the satellite dish company for setting up the new trailer computer network and possibly moving the satellite dish. The use of the satellite dish may be discontinued if DSL service is available for the site.
- Contacted and met with MTA Police Department regarding the tools thought to have been stolen from the maintenance shop.
- Patched holes in the site entrance road with cold asphalt patch
- Reviewed any required work for repairing the wetland road drainage areas.

Construction Activities for the Reporting Period:

Update: MES is conducting construction inspection, subcontractor management, and working on future construction procurements. In an effort to make this update as comprehensive as possible, also included are the tasks completed by various subcontractors during the reporting period.

The following construction activities were completed in July, 2004:

- Cianbro mobilized on site and began excavation for Spillway #1; several lengths of the corrugated metal pipe were placed and flowable fill placed.
- Cianbro continued to submit and MNE and MES continued reviewing and approving submittals for various parts of the spillway construction project.
- Site visits were made to the Cianbro fabrication shop to inspect the progress of the fabrication of the spillway structures.
- Follow-up discussions were held with Cianbro and E2Si to discuss the support for excavation proposed by Cianbro. The Icon system was approved and the system was mobilized on site at the end of July
- Discussions continued with the Health Department in AA Co. regarding the proposed septic system for the administrative offices at Cox Creek. A concept plan was submitted for review and comment

- MES signed the contract with BGE for installation of the electrical service for the trailer and maintenance facility.
- MES selected a contractor for the electric and water hookups for the trailers
- A contract was executed with VSA Inc. for the rental of equipment with operators for the construction of the foundation for the dike raising to +36
- VSA mobilized on site at the end of July and began working on the toe construction

The following activities were in progress during July 2004

- Moffatt and Nichol continued on the design of the revised unloading pier.
- MES continued working on the construction of the inside toe of the dike, which will be the foundation for the eventual dike raising to elevation +36.

Date: 7/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island South Cell Task #, Name:_____

Project Name: Hart-Miller Island S. Cell Restoration **Project Manager: David Bibo**

Assignee(s) (Consultants/Contractors): MES **Contract Period: 2002-present**

Budget Line # 865 **PIN #: 600102-L** **Contract #: 500607** **Task #, Name:**

Project Budget (Total): 1,080,000.00 **Revisions:** **Revision #:**

% Complete – Work (Total): 70% **% Expended - $ (Total): 71.54%**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
70%	30%	0.90	99.10(favorable)

Project Goal(s): Restore the Hart-Miller Island South Cell creating a habitat for migratory birds, consisting of mud flats, nesting island, and uplands.

Project Objectives:
- **Provide habitat for migratory birds.**
- **Allow citizens to observe the birds from viewing areas**

Project Status - Issues/Solutions (both required):
South Cell: There has been no construction activity in the South Cell since the last report. The USACE contractor, Geo Con, has completed almost all of the contract requirements. Major item of work remaining is the testing, and demonstration of the sprinkler system and related equipment and training of DNR and MES employees in the operation sequence. Geo-Con must also prepare and provide as-build drawings and correct punch list items before they demobilize. Also, yet to be resolved is the spillway repairs, which began in early December, it was discovered during the initial excavation and sand blasting that the steel structure had sustained extensive damage due to rusting. The spillway is currently being reevaluated and a revised design is being prepared to correct the deterioration. The additional repairs to the spillway will require a change order from the USACE.

Signature/Date: Dave Bibo 08 2004

Date: as of 7/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF Task #, Name:_____

Project Name: Hart-Miller Island DMCF **Project Manager: David Bibo**

Assignee(s) (Consultants/Contractors): MES **Contract Period: 07/01/04 – 06/30/05**

Budget Line #810 **PIN #:600102-C** **Contract #: 384002A** **Task #, Name:**

Project Budget (Total): $3,900,000 **Revisions:** **Revision #:**

% Complete (Total): 20% **% Expended (Total): 8%**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
___20%	___80%	8.83%	91.17% (favorable)

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.

Project Objectives:

- **Construction of the S. Cell Restoration Project**
- **Environmental Monitoring, meeting the discharge criteria.**
- **Gahagan & Bryant Associates (GBA), MES and the MPA are developing closure plans for the north cell. Action is ongoing.**

Project Status - Issues/Solutions (both required): The current focus of the facility is monitoring in-flow, dewatering and bench construction. Langenfelder Marine is currently inflowing material from berths 4&5 under a state contract. Southern Maryland Dredging is dredging the Pleasure Island cut and inflowing material under a Baltimore County contract. Site personnel are repairing and raising benches, preparing the north end and East and West sides of the North Cell for the construction of a

Date: as of 7/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF Task #, Name:_____

temporary berm, to prevent future freeboard issues. Preventive maintenance work continues on the North cell spillway gate rails as inflow conditions allow. The King fisher crew boat has been painted and the Blue Heron is back from being in dry dock for paint and maintenance.
South Cell: There has been no construction activity in the South Cell since the last report. The USACE contractor, Geo Con, has completed almost all of the contract requirements. Major item of work remaining is the testing, and demonstration of the sprinkler system and related equipment and training of DNR and MES employees in the operation sequence. Geo-Con must also prepare and provide as-build drawings and correct punch list items before they demobilize. Also, yet to be resolved is the spillway repairs, which began in early December, it was discovered during the initial excavation and sand blasting that the steel structure had sustained extensive damage due to rusting. The spillway is currently being reevaluated and a revised design is being prepared to correct the deterioration. The additional repairs to the spillway will require a change order from the USACE.

Signature/Date: David Bilo 08 2004
(Project Manager)

Date: as of 7/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development Task #, Name:_____

Project Name: Poplar Island Site Development

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/04 - 07/13/05

Budget Line # 900 **PIN #: 51030040** **Contract #: 502813** **Task #, Name:**

Project Budget (Total): $4,120,000 **Revisions:** **Revision #:**

% Complete (Total): 8%

% Expended - $(Total): 34.29 5%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
8%	92%	0%	100% (favorable)

Project Goal(s): Operation of the project efficiently, safely, and in compliance with the regulatory requirements. To manage the material placement to place the maximum amount of material while meeting the objectives of the project.

Project Objectives:

- **Environmental Monitoring, meeting the discharge criteria.**
- **Prepare and maintain the infrastructure for long term sustained operations.**
- **Conduct operations in compliance with environmental concerns.**
- **Recover sand for future operations.**
- **Develop the wetlands into a viable habitat.**
- **Conduct tours and site visits to tell the Poplar Island success story.**

Project Status - Issues/Solutions (both required): The current focus of the facility is

Date: as of 7/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development Task #, Name:_____

the construction of Cell 3D into a viable wetland using dredge material, completion of the phase 1 cell cross dikes and weir boxes installation, discharging water from the undeveloped wetland cells, erosion repair along roads/dikes, crust management in active cells as conditions allow.

Crust Management: Cell 2 - was limited to internal trenching in the cell. USACE directed MES not to excavate perimeter trenches in cell 2. Crust management in cells 1 and 3 - was limited to perimeter trenching to facilitate drainage to pumps and spillways.

Cross dikes: Weir structures and crossover pipe placement has been on hold due to unfavorable weather conditions. Construction of the final cross dike in cell 3A (station 257+00) is approximately 45% complete. Dredge material has been excavated form the wetland development cells and placed on the slopes of the cross dikes to protect them from erosion during the 04 federal inflow event. This task is approximately 55% complete.

Cell 3D: MES began preliminary excavations in cell 3D in late February. Major excavations will be completed by 8/23. Fine grading of channels and the development of a 20:1 slope along the top channel edge will continue through August. 90% of the excavated channel material has been transported and stockpiled in the appropriate fill zone in accordance to the USACE plan. Final grading of the cell is currently on schedule and will be completed by 9/23/04. The USACE is monitoring the available cut material to determine if +1.5' low marsh zone can be achieved with 3D material.

Land base: MES has completed a full topographic survey of the site and the grading plan is currently being amended for the property owner and MDE approval.

Other Activities: MES is maintaining the water elevation in cell 5 to facilitate sand removal and dike construction. The USACE has delegated the sand stockpiled for cell 6 closure as a source for dike material. Dike and road maintenance have been weekly activities due to heavy rains in July.

Signature/Date: David A. Bilo 082004
(Project Manager)

Date: as of 7/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF Task #, Name:_____

Project Name: COX CREEK DMCF **Project Manager: David Bibo**

Assignee(s) (Consultants/Contractors): MES **Contract Period: 07/01/04 – 06/30/05**

Budget Line #1005 **PIN #: 53050040** **Contract #: 504907** **Task #, Name:**

Project Budget (Total): $2,239,901 **Revisions:** **Revision #:**

% Complete (Total): 8% **% Expended (Total): 5 %**

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
8%	92%	5.14%	94.86% (favorable)

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.

Project Objectives:

- **Dike raising of both cells.**
- **Site preparation for initial inflow, to include; access channel and spillways**
- **Environmental Monitoring, submitting and receiving the discharge permit.**
- **Dewatering in preparation of future construction, within discharge criteria.**
- **Monitoring and maintenance of the Swan Creek mitigation site.**

Project Status - Issues/Solutions (both required) The current focus of the operation is dewatering the cells, recovering and hauling material for future construction. This has included trenching, liming of the water, creation of sumps, clearing and grubbing the site and pushing up material, allowing it to dewater and hauling it to the desired location. The doublewide trailer is being set up for use as the site office, computer and

Date: as of 7/31/04

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF Task #, Name:_____

telephone lines have been run, we are awaiting installation of a telephone system and delivery of a new server for DSL service. Due to delays in establishing services occupancy of the trailer has been delayed. The design of the electrical system has been completed and BGE is prepared to run the lines and set the transformer, payment has been made and installation should begin in August. The septic system design was completed in July and submitted to Anne Arundel county for approval. We do not anticipate having a permit before September.
Personnel from Hart-Miller Island continue to help with the startup of the Cox Creek DMCF. MES now has sole use of the maintenance building; initial preparation of the building has begun. The interior electrical is under design, and upon completion the work will be advertised. One overhead door has been repaired; additional repairs to other doors will be bid and awarded in July/August. MES has done some initial investigation of the storm sewage system and has attempted to remove blockages. During the dewatering process it was discovered that the pipe is broken and may have undercut portions of the pavement, future investigation continues.

Construction Status:
Further dike raising will be completed by MES, utilizing a combination of MES employees and contractors. The MES engineering division and geotechnical subcontractors will oversee the construction. VSA has mobilized equipment and along with MES are currently constructing benches for dike raising. In addition, stockpiling material and clearing and grubbing areas of the north cell as future borrow areas, continues.
Cianbro began spillway construction has begun, with preparation work for the dike penetration; the steel structure is being fabricated and galvanized off site. Construction began in July and the completion date remains February 2005, although we anticipate completion in the fall.

Signature/Date: David Belo 08 2004
(Project Manager)

PROGRESS REPORT

Project: OPEN-WATER PLACEMENT SITE 92 Period: July 2004
MPA Contract No.: 599910
MPA PIN: 600106-H
CENAP Contract No.: DACW61-03-C-00031
MPA/CENAP Contract Amounts:
Year 3: $157,430.09
Year 4: $162,130.72
Year 5: $164,790.13
Year 6: $122,424.27

A. Site Management

1. MES forwarded the electronic version of CENAP's Year 7 pre-placement hydrographic survey to MGS for plotting.

2. MES created a contour map of CENAP's Year 7 pre-placement hydrographic survey and distributed in to the PI Team.

B. Consolidation and Resuspension

1. MGS completed editing the draft Year 5 Placement, Consolidation, and Erosion Study Report based on comments from the PI Team.

2. MGS forwarded the draft final Year 5 Placement, Consolidation, and Erosion Study Report to MES for distribution to the PI Team.

3. MGS completed the draft Hurricane Isabel Report and forwarded the report to MES for distribution to the PI Team.

4. MGS worked up the six-month post placement survey with tidal corrections.

5. All surveys for the 2004 capacity study were worked up and completed with tidal corrections and secondary corrections.

6. MGS commenced analyses on post-processed data for the 2004 capacity study.

7. MGS submitted a monthly status report to MES for the month of June on July 2, 2004.

C. Benthic Community Evaluation

The benthic community evaluation will not be performed until approximately 18 months after the end of all placement activities at Site 92.

D. Technical Support

1. MDE attended the July 14th PI Team meeting.

2. MDE reviewed the draft Year 5 Placement, Consolidation, and Erosion Study Report.

3. MDE reviewed the draft Year 5 Comprehensive Monitoring Report.

4. MDE reviewed the draft Hurricane Isabel Report.

5. MDE submitted a quarterly status report to MES for the months of April, May, and June on July 15, 2004.

6. MDE worked on responding to letters from John Williams and the Cecil County Commissioner's Office opposing the issuance of the Year 7 Water Quality Certificate.

E. Technical Integration

1. MES reviewed the draft Hurricane Isabel report submitted by MGS.

2. MES gathered comments on the draft Hurricane Isabel Report from the PI Team and presented these comments to MGS.

3. MES distributed the draft final Year 5 Placement, Consolidation, and Erosion Study Report to the PI Team for review.

4. MES reviewed the MGS draft final Year 5 Placement, Consolidation, and Erosion Study Report.

5. MES gathered comments on the MGS Year 5 Placement, Consolidation, and Erosion Study Report from the PI Team.

6. MES drafted the Year 5 Comprehensive Monitoring Report and distributed it to the PI Team for review on July 15th.

7. MES coordinated studies and principal investigators to maximize efficiencies and exchange information during the study period.

8. MES communicated with principal investigators as necessary to review findings of the studies and to coordinate activities.

9. MES verified and tracked deliverables and findings as necessary.

10. MES provided overall program QA/QC to ensure that report and project elements met stated technical objectives.

11. MES provided technical information and guidance as necessary for current and future Site 92 placement actions, permits, certifications and specifications.

12. MES advised MPA and CENAP on proposed schedules and tasks involved in the Site 92 environmental documentation.

F. Project Management

1. MES prepared and distributed a draft agenda for the July 14th PI Team meeting on July 9th.

2. MES prepared for and conducted a PI Team meeting on July 14th.

3. MES drafted the meeting summary from the July 14th PI Team meeting and distributed it to the PI Team for review on July 29th.

4. MES coordinated with MGS and MDE for submittal of project status reports and invoices.

5. MES tracked and processed invoices and coordinated with MGS and MDE on final invoice submittals for the end of the state and federal fiscal years.

6. MES monitored progress on all work tasks and informed the clients on its status.

7. MES submitted a monthly status report for the month of June on July 15, 2004 to MPA and CENAP.

8. MES submitted a monthly financial report to MPA for the month of June on July 19th.

9. MES coordinated with MGS on submittal of the Year 5 Placement, Consolidation and Erosion report and the Hurricane Isabel report.

10. MES received the CENAP amendment for the MGS Capacity Estimate study, reviewed, approved and returned it to CENAP.

11. MES generated the Interagency Agreement with MGS to perform the Remaining Capacity Estimate study and forwarded it to MGS for signature.

G. Turbidity Plume Monitoring

1. Following the completion of CENAP's post-placement survey, the team determined that dragging is unnecessary, so turbidity plume monitoring will not be conducted during placement Year 6.

MGS-MES-MPA Three Way Agreement
MPA Contract # 596924, Pin # 600105S

Monthly Activity Report
July 2004

Task Number	Task Name	Activity
21	James Island Survey and Interpretation	No activity
23	Barren Island Acoustic Sub-Bottom Survey	No activity
24	Holland Island Acoustic Sub-Bottom Survey	No activity
25	Inner Harbor Sites Acoustic Sub-Bottom Survey	No activity
26	James Island Acoustic Sub-Bottom and Side-Scan	No activity
27	Site 170 Acoustic Sub-Bottom and Side-Scan	No activity
28	Sparrows Point Acoustic Sub-Bottom and Side-Scan	No activity
29	Poplar Island Acoustic Sub-Bottom Survey	No activity
30	HMI Anoxic Well Monitoring	Final report submitted.
32	Sharps Island Side Scan	No activity
34	Poplar Sediment Chemistry 02/03	No activity.
35	DMMP Support	William Panageotou attended BEWG meeting.
36	NOB 8-10 Resurvey	Reviewing Side-scan data.
37	PI-Isabel Oysters	Draft report in preparation.
38	PI-Isabel Sed Chem	No activity.

HART-MILLER ISLAND DMCF
Environmental Monitoring Task Update
July 2004

****All tasks included in this update (except where noted) are funded from the approved FY 05 Hart-Miller Island Operations and Monitoring Budget. Costs associated with specific HMI monitoring tasks are not tracked separately, unless requested.****

Groundwater Study

Update: All monitoring and analysis for the main component of the groundwater study (dike transmissivity and water quality) has been completed. Four quarterly reports have been finalized and the subcontractor (URS) submitted the draft-consolidated report on December 4, 2003. The final report was received as expected on July 14, 2004. URS has requested additional funding for the groundwater project but after an intensive review of URS' request, MES has determined there is no justification for additional funding. MES sent a letter to URS explaining the status of the contract and the denial of additional funding. MGS was scheduled to submit the draft report for their component of the study on June 3. MES is continuing to work with MGS to obtain the draft report.

MES Tasks for Reporting Period:

- Subcontractor management, invoice processing.
- Review of final consolidated report.

Future: MES will continue to provide updates to the HMI Citizens Oversight Committee as requested. Additionally, MES will coordinate with MDE to determine whether sampling at the "old wells" can be discontinued and replaced with use of the new wells from the groundwater study. MES will continue working with the MGS to obtain the final reports.

Plan of Action (POA) to Control Low pH (EPATS Task 38)

Update: This task is complete; however a meeting was held on April 27 to discuss Moffatt and Nichol's (and their subcontractor OAS) participation in planning for the closure of the HMI North Cell (NC). Per MPA's request, additional tasks related to the HMI NC closure will be added to Moffatt and Nichol's contract. An update on the pH study was given to the MPA at a staff meeting on July 13th. Under the EPATS agreement, progress on this task is detailed in a separate progress report.

MES Tasks for Reporting Period:

- Contractor management, invoice processing
- Developed scope of work for additional NC closure tasks.
- Coordination with Moffatt and Nichol and OA Systems for new tasks.

Future: Upon receipt of a proposal and cost estimate from Moffatt and Nichol, MES will prepare a proposal for the new tasks and submit it to MPA for approval. The new tasks will be a

continuation of EPATS Task 38. A kick-off meeting for the new tasks will be held on August 20, 2004.

Vegetation (*Phragmites*) Monitoring

Update: Small stands of *Phragmites* have started growing in some areas of the South Cell. This issue was discussed at the S. Cell Progress meeting and MES is awaiting Corps reply for control responsibility. While an official reply from the Corps has not been received, MES drafted a *Phragmites* control plan for the wetland and upland areas of the S. Cell. This plan was handed out at the June 29th S. Cell meeting and the MPA gave approval to MES to implement this plan. Spraying will be conducted in early Fall.

MES Tasks for Reporting Period:

- Procure supplies needed for South Cell spray

Future: MES will await Corps reply for control responsibility in the upland area of the S. Cell. The *Phragmites* control plan will be implemented and spraying should start in August.

South Cell Monitoring

Update: One set of South Cell water quality samples was collected on July 20th. As per the SCERP monitoring plan, interior water quality sampling has been reduced from bi-weekly to monthly. Fecal coliform sampling was conducted once in July. Jeff Cornwell conducted interior sediment and soil quality sampling on July 15th.

MES Tasks for Reporting Period:

- Water quality monitoring per HMI SCERP monitoring plan.
- Collected fecal coliform sampling.
- Coordinated site visits and sampling with UMCES.

Future: MES will continue water quality monitoring. Jeff Cornwell (UMCES) will continue Interior Sediment & Soil Quality sampling per the monitoring plan.

North Cell Closure / Sediment Sampling

Update: MES provided technical support at a North Cell closure meeting with the HMI Closure Planning Team held on 7/27. The final three North Cell sediment samples were collected on July 1st.

MES Tasks for Reporting Period:

- Attendance at closure meeting.
- Coordinated with contract laboratory and engineering group for N. Cell sampling.
- Conducted North Cell sediment sampling at 3 locations.

Future: MES will continue to provide requested support to the HMI Closure Planning Team, as requested. Once all of the data is received, MES will prepare a report detailing the findings.

MES will continue to provide requested support to the HMI End Use Planning Group whose first meeting is August 30th.

HMI Discharge Permit Renewal

Update: The new discharge permit became effective on July 1, 2004. Environmental staff continues to train the field staff on new sampling requirements.

MES Tasks for Reporting Period:

- Continued to trained Inspectors on new sampling requirements and frequencies.
- Ordered new field sampling meters.

Future: A mixing zone study will need to be undertaken in order to keep the interim limits for ammonia, copper and zinc that were given in the draft permit. In addition, every 6 months MDE is requiring an update letter on the studies that are ongoing. The quarterly Discharge Monitoring Reports will be updated for the new permit limits and sampling requirements.

HMI Algae Monitoring

Update: Algae sampling resumed in April; three sets of samples were collected (7/01, 7/15 & 7/29) in July and analyzed by DNR.

MES Tasks for Reporting Period:

- Collected three sets of algae samples
- Delivered algae samples to DNR lab for analysis
- Updated the 2004 algae sampling spreadsheet

Future: MES will continue to conduct bi-weekly algae sampling through October 2004. If anything of concern shows up in the analysis, MES will immediately notify MPA and MDE. The algae sampling spreadsheet will be sent out periodically to DNR and MPA.

Other

- MES has initiated mosquito control measures for 2004 including periodic monitoring for larvae and adult populations. The toxic materials permit (TMP) to apply larvicide to the storm water collection trenches near the office building and personnel pier was approved and MES is preparing to conduct control efforts in this area.
- MES is drafting the April – June quarterly project status updates for MPA to post on the Safe Harbors Website. This will be finalized in August

Date: July 31, 2004

Project Status Report Form
prepared by
Harbor Development

Project

Open-Ended Contract for Professional Dredging, Dredged Material Placement, Site Design & Site Operations

Project Manager:

David Bibo

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

July 2004

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1270	54012010	500905	Task 9 - Poplar Island Field Barge Readings & Analysis

Project Budget (Total):

41,000

Revisions:

Revision #:

% Complete (Total):

95%

% Expended (Total):

91.89%

% Complete (Crnt FY):	**Var/Balance:**	**% Expended (Crnt FY):**	**Var/Balance:**
100%	Favorable/0%	91.89%	Favorable/8.11%

Project Goal(s)::

- Collect barge measurements in the field, collecting soil samples at the dredging locations, laboratory testing and data analysis. 2 men in a skiff at the Poplar Island barge unloading area will observe barge readings approximately 5 to 6 days per week during the first week and then 3 to 4 days per week during the later 2 to 3 weeks. 2 men with sampling equipment will take samples of the in-situ dredged material within the barge at the Poplar Island Weeks Marine unloader locations. The samples will be tested for moisture content and estimates of in-situ void ratios and material unit weight will be computed.

Project Objectives:

Project Status - Issues/Solutions (both required):

- All field work completed.
- Laboratory testing complete and data analysis is currently underway.
- Draft is progress and expect for completion by end of March 2004.

Signature: Dave Bibo **Date:** August 20, 2004
(Project Manager)

Date: July 31, 2004

Project Status Report Form
prepared by
Harbor Development

Project	**Project Manager:**
Open-Ended Contract for Professional Dredging, Dredged Material Placement, Site Design & Site Operations	David Bibo
Assignee(s) (Consultants/Contractors):	**Contract Period:**
Gahagan & Bryant Associates, Inc. (GBA)	July 2004

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1270	54012010	500905	Task 15 -Chesapeake Bay Northern Approach Navigation Channel

Project Budget (Total):	**Revisions:**	**Revision #:**
$83,800		

% Complete (Total):	**% Expended (Total):**
60%	59.30%

% Complete (Crnt FY):	**Var/Balance:**	**% Expended (Crnt FY):**	**Var/Balance:**
100%	Favorable/0%	72.23%	Favorable/27.77%

Project Goal(s):

To prepare a report that analyzes the use of the C&D Canal, Shoaling rates, and O&M for the C&D Canal and the Northern Approach channels at the current authorized depth.

Project Objectives:

1. Review three aspects of the use of the C&D Canal and the Northern Approach Channel to the Port of Baltimore; a) Shoaling characteristics, b) Ship traffic by draft Traffic conditions, and c) Restrictive effects of shoaling over time on ships by type and commodity. Review of commodity impacts of the Northern Approach at various depths.
2. Review related correspondence, specifically recent documents prepared to request justification of the Northern Approach. Review cost and economic evaluations presented in previous design reports.
3. Coordinate with the federal (CENAB & CENAP) and state agencies, Maryland and Delaware Pilots and others to collect shoaling, traffic and shipping data. Budget based on six meetings.
4. Shoaling and Traffic Study – Prepare an analysis of traffic/shoaling patterns, rates of shoaling and impacts on commodities at various depths.
5. Northern Approach O&M Cost Estimates – Prepare an analysis of the dredging program costs (O&M costs) for maintaining the 35ft Northern Passage Channel System.

6. Interface with Economic Studies Prepared by Others – Detailed economic studies, including cost benefits analysis will be prepared by others. GBA will interface with the evaluation of economic justification of the Northern Passage from multiple perspectives, including the Standard Corps Process and also an analysis, which includes local benefits.

7. Participate in periodic project meetings chaired by MPA and prepare power point presentations and meeting notes. Budget based on six project meetings.

8. Prepare a study report with presentation of evaluations made and findings of the work.

Project Status - Issues/Solutions (both required):

Previous month: GBA presented shoaling studies of the C&D Canal and the Northern Approach channels and compared these to vessel traffic based on commodity and vessel draft. Shoaling rates have been analyzed for individual reaches within the study area.

Current: GBA completed a "Northern Passage Channel System Annual Cost Analysis Memo," and submitted to MPA. The Memo contained initial annual cost estimates for use in MPA's cost benefit analysis. Historical analysis of reported COE pay costs and quantities completed. Initial detailed engineers cost estimates were prepared and under GBA internal review. NPCS cost analysis draft report is under GBA internal review.

Moffatt and Nichol Engineers (MN) was authorized to perform modeling for hydraulic analysis of sediment transportation. MN submitted "Chesapeake & Delaware (C&D) Canal Approach Channel Shoaling Analysis – Hydrodynamics and Sedimentation Modeling Draft Report" on June 23rd. GBA and MPA reviewed through end of June. Began initial analysis on determining dredging volumes for channel depths 30, 25, and 20.

Signature: David F. Bilo **Date:** August 20, 2004
(Project Manager)

Date: August 20, 2004

Project Status Report Form
prepared by
Harbor Development

Project

Open-Ended Contract for Professional Dredging, Dredged Material Placement, Site Design & Site Operations

Project Manager:

David Bibo

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc. (GBA)

Contract Period:

July 2004

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1270	54012010	500905	Task 10 - Poplar Island-Post Isabel Survey & Sampling

Project Budget (Total):

85,200

Revisions: **Revision #:**

% Complete (Total):

80%

% Expended (Total):

78.65%

% Complete (Crnt FY):	**Var/Balance:**	**% Expended (Crnt FY):**	**Var/Balance:**
100%	Favorable/0%	78.83%	Favorable/21.17%

Project Goal(s):

Collect hydrographic and topographic survey data along the perimeter of all future wetland cells and throughout Poplar Harbor. Sediment samples will be collected and tested for grain size and other related laboratory testing to determine the source of any significant locations of sediment transport.

Project Objectives:

Project Status - Issues/Solutions (both required):

All field work complete.

1. Compilation of final reports incorporating Hydrographic, Sidescan Sonar, and Sediment Sampling is in progress.

Signature: David F. Bibo **Date:** **August 20, 2004**
(Project Manager)

Date: August 20, 2004
For Period: 7/01/04

Project Status Report Form
prepared by
Harbor Development

Project Name: EPATS TASK 2 – Technical Support

MPA Project Manager: Dave Bibo
MES Project Manager: Cece Donovan

Assignee(s) (Consultants/Contractors):
MES
General Physics

Contract Period: May 1999 – June 2005

Reporting Period: July 2004

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1175	54000010	500912	0302 – Technical Support

Project Budget (Total):

$712,132

Revisions:	**Revision #:**
$ 100,000 added 8/00	1
$ 100,000 added 6/01	2
$ 100,000 added 10/01	3
$ 100,000 added 04/02	4
$ 200,000 added 09/02	5
$16,000 added 03/03	6

% Complete (Total):

Ongoing – tasks assigned as needed by MPA

% Expended (Total):

82.38%

% Complete (Crnt FY): **Var/Balance:**

% Expended (Crnt FY): **Var/Balance:**
0%

Project Goal(s): To provide support to MPA for dredged material planning.

Project Objectives: To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

Project Status - Issues/Solutions: During this period, MES provided technical support to the DMMP process, and MES also continued technical support to the Corps' DMMP process, with a BEWG meeting held on on July 6. General Physics prepared and distributed a meeting summary for the Citizens Committee meeting on June 9. MES received a letter requesting continued use of General Physics for DMMP meeting support. A contract amendment was prepared to extend the General Physics contract for another year. It is with General Physics for signature now.

Report Period: July 1, 2004 through July 31, 2004

July 2004
MES continued support to the DMMP process. A BEWG meeting was held on July 6. At the end of July, a decision was made to cancel the August BEWG meeting due to lack of agenda items. At the July meeting, the Corps contractor presented the preferred suite of options for the Federal DMMP. This is also planned to be submitted to the Citizen's Committee meeting on August 11.

MES continued technical coordination with UMCES for GIS mapping, performed under contract to MPA. MES continued to manage and oversee the MPA/MES/MGS Coastal Geology Services IGA for MPA; project status reports were prepared and sent for this IGA. MGS continues to provide technical support to the DMMP process through attendance at BEWG meetings and assistance with the Corps DMMP scoring and option ranking process.

MES performed project management duties related to review, processing and recording of invoices and production of status reports.

MES plans to deliver a presentation the Citizens Committee on the Cardiff mine August 11.

MES initiated a new proposal under the EPATs IGA for CAC Facilitation from Fran Flanigan at MPA's request. This will be designated Task 50 under the EPATs IGA. The contract was approved in July, billing and reporting will now occur under a project report for that task. The contract with Ms. Flanigan is in the MES approval process and should be mailed to her for signature in August. MES will be coordinating with MPA on an annual report to the Legislature on the State DMMP.

Invoiced for July: $ not available on 8/15

Invoiced To Date up to June 30, 2004: $586,647.91

Remaining: $125,484.09

Project Manager David F. Bibo
Date 08 20 04

Date: 07/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name:
Harbor Feasibility Study

Project Manager:
Steve Storms

Assignee(s) (Consultants/Contractors):
GBA-Moffatt & Nichol Joint Venture

Contract Period:
04/01/03 – 03/31/05 (Task: 06/15/03-03/31/05)

Budget Line #	PIN #:	Contract #:	Task #, Name:
1245	54040010	503902	03: Sparrows Point Consolidated Report

Project Budget (Total):	Revisions:	Revision #:
$425,115	Originally $439,137	1

% Complete (Total):	% Expended (Total):
99	99

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
99		99	$5,245

Project Goal(s):
Provide for the environmentally safe and cost effective means of managing dredged material removed from federal, state, and private navigation channels inside the North Point – Rock Point line.

Project Objectives:
Conduct feasibility level study of options for management of harbor dredged material (inside the North Point – Rock Point line).

Project Status - Issues/Solutions (both required):

Sampling for environmental and geotech at Sparrows Pt completed.

Draft reports for environmental, geotechnical, coastal engineering, hydrodynamics and sediment modeling, and dredging engineering were due by mid-October.

Date: 07/30/04

Project Status Report Form
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Harbor Development

Project Name: Harbor Feasibility Study
Task #, Name: 03: Sparrows Point Consolidated Report

November 3. Comments on draft reports due. (done)

November 14. Draft final reports are due. (done)

November 16. Comments on draft final reports due within two days. (done)

November 21. Final individual discipline reports (environmental, geotech, coastal, modeling, and dredging engineering) due. (done)

December 12. Draft Sparrows Point consolidated report due. (done)

December 22. Sparrows Point draft consolidated comments due. (done)

January 2. Draft final Sparrows Point consolidated report due. (done)

January 9. Final Sparrows Point consolidated report due. (done)

Task completed.

Signature/Date: Stephen E Storm
(Project Manager)

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Date: July 30, 2004

Project Status Report Form
prepared by
Harbor Development

Project
Study of Inner Harbor Sites: Hawkins Point/ Thoms Cove Containment Facility, Deadship Anchorage Containment Facility and Sollers Point Containment Facility

Project Manager:
Stephen Storms

Assignee(s) (Consultants/Contractors):
GBA-M&N A Joint Venture

Contract Period:
July 2004

Budget Line #	PIN #:	Contract #:	Task #, Name:
1245	54040010	503902	Task 4 – Harbor Team Support

Project Budget (Total):
$137,902

Revisions:

Revision #:

% Complete (Total):
84%

% Expended (Total):
83.54%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
100%	Favorable/00.00%	100.00%	Favorable/00.00%

Project Goal(s)

Provide technical support to the Harbor Team in the areas of: Harbor Team Meetings; debriefing meetings; conference calls and emails; coordination with agencies; mapping and presentation deliverables; Power Point presentations; and other special technical assistance as needed.

Project Objectives:

Preliminary tables, graphs and Power Point Presentations for the Reconnaissance level Studies for Masonville and Sparrows Point: August and September 2003.

Reconnaissance level Dredging Engineering and Costs Report for Masonville and Sparrows Point: Draft Report October 2003 and Final Report November 2003.

Reconnaissance level Consolidated Report for Masonville and Sparrows Point: Draft Report November 2003 and Final Report December 2003.

Project Status - Issues/Solutions (both required):

JV Meeting July 30, 2004

Signature: Stephen E Storms
Project Manager

Date: August 31, 2004

Date: 07/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name:
Harbor Feasibility Study

Project Manager:
Steve Storms

Assignee(s) (Consultants/Contractors):
GBA-Moffatt & Nichol Joint Venture

Contract Period:
04/01/03 – 03/31/05 (Task: 02/01/04-07/30/04)

Budget Line #	PIN #:	Contract #:	Task #, Name:
1245	54040010	503902	05: Interim Study Tasks

Project Budget (Total):
$128,149

Revisions:
Originally $128,300

Revision #:
1

% Complete (Total):
93

% Expended (Total):
93

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
00		00	$9,261

Project Goal(s):
Interim study tasks as assigned.

Project Objectives:

Project Status - Issues/Solutions (both required):

Task underway, but no recent invoices.

Date: 07/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name: Harbor Feasibility Study
Task #, Name: 05: Interim Study Tasks

Signature/Date: Stephen E Storms
(Project Manager)

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Date: July 31, 2004

Project Status Report Form
prepared by
Harbor Development

Project
Study of Inner Harbor Sites: Hawkins Point/ Thoms Cove Containment Facility, Deadship Anchorage Containment Facility and Sollers Point Containment Facility

Project Manager:
Stephen Storms

Assignee(s) (Consultants/Contractors):
GBA-M&N A Joint Venture

Contract Period:
July 2004

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1245	54040010	503902	Task 6 – Masonville Interim Feasibility Studies

Project Budget (Total):
$794,832

Revisions: **Revision #:**

% Complete (Total):
25%

% Expended (Total):
24.32%

% Complete (Crnt FY):	**Var/Balance:**	**% Expended (Crnt FY):**	**Var/Balance:**
100%	Favorable/0%	100%	Favorable/0%

Project Goal(s)

Prepare an Interim Feasibility Study identifying dredged material placement site alignments and options for further study and verification in the final Feasibility Study phase for Masonville. The Interim study is being prepared due to funding restrictions in completing the Feasibility study. The interim report will be a stand-alone document that could be utilized and incorporated in the final Feasibility Study.

Project Objectives:

Conduct additional environmental, geotechnical, coastal, and dredging and site engineering to further define the feasibility, options, cost and capacity of dredged material placement sites recommended in the Reconnaissance Study. Emphasis is placed on the required field studies and other work that is time sensitive in order to allow for an expeditious completion of the feasibility phase. Analysis of some data will be deferred until final funding is received.

The study will utilize existing hydrographic survey data. Additional geotechnical borings will be performed to further refined knowledge of subsurface conditions. Environmental studies will include spring and summer samplings to further define water and sediment quality, fisheries, plankton and benthic sampling.

Project Status Report Form **(Continued)**
prepared by
Harbor Development

Project:	**Contract #:**	**Task #, Name:**
Study of Inner Harbor Sites: Hawkins Point/ Thoms Cove Containment Facility, Deadship Anchorage Containment Facility and Sollers Point Containment Facility	503902	Task 6 – Masonville Interim Feasibility Studies

Project Status - Issues/Solutions (both required):

Geotechnical borings have been performed for both sand borrow and foundation analysis. Testing and analysis is underway. Preliminary results are being presented, however, the final report has not been issued. Minor changes are being made, such as, a closer look at a potential sand source within the project location.

Five alignments are being analyzed during this study. Major areas of study include: northeast corner due to poor soil conditions, westward expansion since this was not presented to the Harbor team and community, perimeter area as it relates to auto processing facilities, and all areas in regards to sand borrow. A memo-type summary will be prepared to address costs and capacity issues of different alignment options in this area for the project team. Facility engineering issues are being coordinated with the alignments. Required infrastructure work is being identified and meetings are held with the appropriate authorities to determine modifications that will be required and the estimated costs of the modifications..

Environmental testing and analysis continues with sampling results received.

Sand borrow continues to be of concern due to dike locations, Kurt Iron and other factors. Borings in the proposed new work areas of Seagirt are being performed to study sand deposits in that area.

Signature: Stephen E Storm
(Project Manager)

Date: August 31, 2004

Date: July 31, 2004

Project Status Report Form
prepared by
Harbor Development

Project

Study of Inner Harbor Sites: Hawkins Point/ Thoms Cove Containment Facility, Deadship Anchorage Containment Facility and Sollers Point Containment Facility

Project Manager:

Stephen Storms

Assignee(s) (Consultants/Contractors):

GBA-M&N A Joint Venture

Contract Period:

July 2004

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1245	54040010	503902	Task 7 – Sparrows Point Interim Feasibility Studies

Project Budget (Total):

$470,899

Revisions: **Revision #:**

% Complete (Total):

35%

% Expended (Total):

34.59%

% Complete (Crnt FY):	**Var/Balance:**	**% Expended (Crnt FY):**	**Var/Balance:**
100%	Favorable/0%	99.32%	Favorable/.68%

Project Goal(s)

Prepare an Interim Feasibility Study identifying dredged material placement site alignments and options for further study and verification in the final Feasibility Study phase for the Sparrows Point site. The Interim study is being prepared due to funding restrictions in completing the Feasibility study. The interim report will be a stand-alone document that could be utilized and incorporated in the final Feasibility Study.

Project Objectives:

Conduct additional environmental, geotechnical, coastal, hydrographic surveys, and dredging and site engineering to further define the feasibility, options, cost and capacity of dredged material placement sites recommended in the Reconnaissance Study. Emphasis is placed on the required field studies and other work that is time sensitive in order to allow for an expeditious completion of the feasibility phase. Analysis of some data will be deferred until final funding is received.

The study will include hydrographic surveys. Additional geotechnical borings and soil samplings will also be performed. An evaluation will be made on foundation conditions and stabilization requirements fro the weak, deep substrate previously identified. Environmental studies will include spring and summer samplings to further define water and sediment quality, fisheries, plankton and benthic sampling.

Date: July 31, 2004

Project Status Report Form (continued)
prepared by
Harbor Development

Project:	**Contract #:**	**Task #, Name:**
Study of Inner Harbor Sites: Hawkins Point/ Thoms Cove Containment Facility, Deadship Anchorage Containment Facility and Sollers Point Containment Facility	503902	Task 7 – Sparrows Point Interim Feasibility Studies

Project Status - Issues/Solutions (both required):

Geotechnical services including the more in-depth review of soil improvement techniques that could be utilized at the Sparrows Point site is underway.

Alignments have been refined. Information has been presented to ISG in regards to the alignment option being reviewed, including the proposed wetlands. ISG has been requested to identify locations of their various operations, drainage outfalls and other infrastructure features.

The JV is pursuing obtaining additional information regarding community enhancements through Bob Hoyt (Ecologix Group, Inc.).

Signature: Stephen E Stomas
(Project Manager)

Date: September 13, 2004

Date: July 31, 2004

Project Status Report Form
prepared by
Harbor Development

Project

Study of Inner Harbor Sites: Hawkins Point/ Thoms Cove Containment Facility, Deadship Anchorage Containment Facility and Sollers Point Containment Facility

Project Manager:

Stephen Storms

Assignee(s) (Consultants/Contractors):

GBA-M&N A Joint Venture

Contract Period:

July 2004

Budget Line #	PIN #:	Contract #:	Task #, Name:
1245	54040010	503902	Task 8 – BP Fairfield Reconnaissance Pre-Feasibility Studies

Project Budget (Total):

$612,014

Revisions: **Revision #:**

% Complete (Total):

20%

% Expended (Total):

19.60%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
100%	Favorable/0%	99.12%	Favorable/.88%

Project Goal(s)

Prepare a Reconnaissance Study addressing the suitability of identifying dredged material placement site alignments and options for a dredged material placement at the BP Fairfield site. The Recon study is being prepared due to funding restrictions in completing the Feasibility study. The interim report will be a stand-alone document that could be utilized and incorporated in the final Feasibility Study.

Project Objectives:

Conduct additional environmental, geotechnical, coastal, and dredging and site engineering to further define the feasibility, options, cost and capacity of dredged material placement sites recommended in the Reconnaissance Study. Emphasis is placed on the required field studies and other work that is time sensitive in order to allow for an expeditious completion of the feasibility phase. Analysis of some data will be deferred until final funding is received.

The study will utilize existing hydrographic survey data. Additional geotechnical borings will be performed to further refined knowledge of subsurface conditions. Environmental studies will include spring and summer samplings to further define water and sediment quality, fisheries, plankton and benthic sampling.

Date: July 31, 2004

Project Status Report Form **(continued)**
prepared by
Harbor Development

Project:	**Contract #:**	**Task #, Name:**
Study of Inner Harbor Sites: Hawkins Point/ Thoms Cove Containment Facility, Deadship Anchorage Containment Facility and Sollers Point Containment Facility	503902	Task 8 – BP Fairfield Reconnaissance Pre-Feasibility Studies

Project Status - Issues/Solutions (both required):

Geotechnical report is being prepared and due to be complete in August.

Access to the property is delaying for environmental sampling and other studies. MPA is working with the Owner to resolve the access problem.

Alignments are being adjusted based on the current geotechnical information.

The Recon level study will continue but may face delays or adjustments to the report due to missing information.

Signature: Stephen E Thoms
(Project Manager)

Date: August 31, 2004

Date: July 31, 2004

Project Status Report Form
prepared by: Harbor Development

Project

Open-Ended Contract for Professional Dredging, Dredged Material Placement, Site Design & Site Operations

Project Manager:

Stephen Storms

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc. (GBA)

Contract Period:

July 2004

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1270	54012010	500905	Task 13 - Dredging Program Policy Technical Assistance

Project Budget (Total):
160,600

Revisions: **Revision #:**

% Complete (Total):
82%

% Expended (Total):
82.45%

% Complete (Crnt FY):	**Var/Balance:**	**% Expended (Crnt FY):**	**Var/Balance:**
100%	Favorable/0%	99.72%	Favorable/.28%

Project Goal(s):

Project Objectives:

1. **Review/develop documents for the following DMMP related activities:**

a. CENAB/MPA DMMP Documents & Correspondence
b. Poplar Island Expansion GRR/EIS
c. Eastern Neck Study Feasibility/EIS
d. Mid-Bay Island Study Feasibility/EIS
e. Baltimore Harbor Placement Site Studies
f. Project cost share and credits
g. Future PCA documents and language
h. WRDA documents and language

2. Develop and evaluate alternatives for "Acceleration Strategies" for the DMMP activities described in item 1 above.
3. Prepare documents and presentations related to "Acceleration Strategies" for the DMMP activities described in item 1 above. The presentations will include:
   a. Schedules, Policy/Program flow diagrams, cost estimates, and proposed document language.
4. Participate in meetings designated by MPA (estimate 12 meetings).
5. Prepare Memorandum Reports on the findings and evaluations made.

Project Status - Issues/Solutions (both required):

Work this month included reviewing CENAB Poplar Island filling plan, strategies for new work and maintenance placement at various MPA sites, new work sediment quality. Also, meeting attendance and preparation for meetings: BEWG, CAC, MPA.

Signature: Stephen E Storms **Date: August 31, 2004**
(Project Manager)

Project Status Report: to 07/31/04 **Project Manager:** John Vasina

Fiscal Year 2004

No.	Line No.	PIN#	Contract #	Description
1	880	600104-B	597849	C&D Pre-Construction Eng. Design
2	890	600104-D	200001-S	Air Gap System
3	1040	600106-E	597827	Oyster Reseeding Program
4	1095	52210040	502814	Chesapeake Bay Ports System
5	1100	52160020	500829	UM Current Meter Study
6	1105	52240020	502821	UM Economic Studies
7	1130	52170020	501918	UM Ballast Water Study
8	1135	600105-P	500912	Site Maint. Work at Masonville
9	1150	600105-S	598819	Dredged Material Recycling (Agricultural Use)
10	1175	54010740	500910	MDE Ballast Water Program
11	1180	600105-S	595919	Evaluation of Thin Layer Sites
12	1230	54012010	500905	Masonville Expansion (Kurt Iron)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
C&D Pre-Construction Engineering Design		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
U.S. Army Corps of Engineers		**04/23/97 – 09/30/02**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
910	**600104-B**	**597849**	
Project Budget (Total): **$1,250,400 (as of point of study suspension in FY '01)**		**Revisions:**	**Revision #:**
% of Work Complete (Total): **100.00% (as of point of study suspension in FY '01)**		**% Expended $ (Total):** **99.97% (as of point of study suspension in FY '01)**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
0%	**0%**	**0%**	**0%**

Project Goal(s):
To determine optimal design of the C&D Canal deepening project and to undertake an economic evaluation of the project to justify the project's implementation.

Project Objectives:
To complete the Pre-construction, Engineering and Design phase of the Chesapeake & Delaware (C&D) Canal deepening project.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **The economic evaluation, if based on the currently available information, would reflect number of negative trends that are short term in nature. Therefore, it would not constitute a suitable basis for making a long term decision pertaining to the project.**

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- **Secretary John Porcari recommended to Lt. Colonel Brown of the Philadelphia District Corps of Engineers in his letter of January 16, 2001 to defer consideration of the economic justification of the project until a number of additional factors can be appropriately considered. (including: Vessel operating costs; temporary decline in the number of container vessel arrivals at the Port of Baltimore; shipping industry trends, etc.). The Corps agreed to follow Secretary's recommendation and the project was postponed by three years to allow more representative, long term trends, to be considered.**
- **MPA procured consultant (Dr. John Martin) to investigate the economic feasibility and justification for C&D Canal deepening. Dr. Martin is scheduled to complete his investigations approximately in July 2004.**

Signature/Date: John Vasina 08-19-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Air Gap System		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Association of Maryland Pilots		**02/18/00 – 03/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
920	**600104-D**	**200001-S; BPO# P020616**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$219,438		**$48,764.00**	**2**
% of Work Complete (Total):		**% Expended $ (Total):**	
100.00%		**100.00%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
100.00%	**0.00%**	**100.00%**	**0.00% (favorable)**

Project Goal(s):

To ensure safety of the container ship lines that call on the Port of Baltimore through the C&D Canal. Because of the bridge over the canal at Chesapeake City, navigation is unusually difficult at certain times. This is due to the varying effects of tide, wind and wave motion, load on a ship, working depth of the water and other factors that may reduce the known clearance between the bridge and the superstructures of ships using the canal.

Project Objectives:

To upgrade, refurbish and maintain the Airdraft Monitoring System at the C&D canal.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **The contract was extended to March 31, 2004. The Board of Public Works allows two years additional extension as long as price negotiated does not exceed a 4% increase for the extended period. Determination has to be made if the new PORTS System will replace the Airdraft Monitoring System maintain by the Pilots.**

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Prepared by John Vasina
Harbor Development

- **Pilots raised issue with clearances under bridges in Chesapeake Bay area (Bay Bridge, Francis Scott Key Bridge)**
- **Pilots requested if the MPA could initiate request to MdTA to conduct survey of the clearances under bridges in Chesapeake Bay area.**

Solutions:

- **Contract was extended to March 31, 2004.**
- **MPA had a meeting with pilots and the representative of MdTA (Nick Deros) to discuss the issues; new surveys will be requested from the MdTA.**
- **MPA is going to issue a letter to Umesh Murthy (MdTA representative) to request the surveys.**
- **Meeting with Pilots and NOAA took place on November 7. Dave McFarland of NOAA reiterated NOAA's determination to install an air gap system under the bridge at Chesapeake City by March 31, 2004.**
- **NOAA confirmed the installation of air gap system at Chesapeake Bay bridge and at Breeze Point.**
- **The contract with pilots will expire 03/31/04.**
- **Eric Nielsen, the President of the Pilots Association was contacted for the final billings of this contract for the period 01/01/04 through 03/31/04.**
- **Maryland Pilots will submit final invoice in June 2004.**
- **The invoice from Maryland Pilots was received.**

Signature/Date: John Vasina 08-19-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Oyster Reseeding Program		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Department of Natural Resources		**06/01/02 – 06/30/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1075	**600106-E**	**597827**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$6,500,000			
% of Work Complete (Total):		**% Expended $ (Total):**	
80.00%		**88.98%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
10%	**100%**	**0.00%**	**100.00%**

Project Goal(s):
To provide large quantities of shells for habitat restoration of oyster population in the Chesapeake Bay.

Project Objectives:

To increase oyster population in the Chesapeake Bay.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **Program was originally structured so that each dollar was awarded for each cubic yard of dredged material that was placed in an open water site in the Bay. Under the current Agreement, the MDOT contributions to the Oyster Recovery program were scheduled to end in FY '02.**
- **DNR's George Hearlth provided invoices for the FY 2003 activities in the amount of $1,625,000.**

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Solutions:

- **New Agreement was executed between MDOT and DNR that will secure funding of the program through FY 2005. Beginning in FY 2002, MDOT shall pay to DNR annual payment of $1.625M from the Transportation Trust Fund.**
- **DNR's repayment of any funds previously advanced to by MDOT is forgiven.**
- **Continuation of the program funding was re-authorized in July, 2003 by MDOT.**
- **Description of the program is being placed on the MPA web-site.**
- **Billing by DNR is expected in March 2004 for the FY 2004.**
- **DNR is being contacted (Chris Judy) to bill for FY '04 funds.**
- **DNR submitted invoice in the amount of $1.625M for FY 2004 activities.**
- **DNR also submitted report pertaining to the fund expenditures in FY 2004 as required by the MDOT/DNR Agreement.**
- **The contract will expire June 30, 2005; needs to be extended (if applicable).**

Signature/Date: 08-19-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Chesapeake Bay Ports System		**John Vasina**	
Assignee(s) (Consultants/Contractors): The National Oceanic and Atmospheric Administration		**Contract or Task Period:** 10/25/01 – 10/25/06	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1130	**52210040**	**502814**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$1,575,650			
% of Work Complete (Total): 77.00%		**% Expended $ (Total):** 59.06%	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
10.00%	**90.00%**	**0%**	**100%**

Project Goal(s):
To support safe and efficient navigation by providing ship masters and pilots with accurate real-time information required to avoid groundings and collisions.

Project Objectives:
To design, install, manage on ongoing basis, operate, maintain, and repair NOAA's Upper Chesapeake Bay Physical Oceanographic Real-Time System (PORTS).

Project Status - Issues/Solutions (both required):

Issues:

- **New centralized voice system was implemented during the month of March, 2002. The system was installed in Silver Spring, MD, complete with full back up, and providing local (Silver Spring) and toll-free numbers to cover each PORTS.**
- **MPA needs current update of the status.**

Solutions:

- **MPA executed an Addendum to the contract to finance operation and maintenance in FY '04 (cost: $215K);**

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- **MPA approved the new centralized voice system on February 20, 2002.**
- **The toll free number assigned to the PORTS Chesapeake Bay site is (866) 247-6787**
- **Richard Permenter of NOAA gave the update at Harbor Coordination & Safety Committee meeting on October 2, 2002.**
- **Meeting took place in May with NOAA and Md. Pilots to discuss issues pertaining to PORTS system in the Chesapeake Bay.**
- **Richard Permenter is permanently retiring in August, 2003. David MacFarland became new NOAA PORTS Program Manager.**
- **Kate Bosley is working full-time in another program and she is no longer involved in PORTS activities.**
- **Meeting with Md. Pilots and NOAA took place on November 7, 2003. Dave McFarland of NOAAA discussed issues with MPA and Pilots that were raised by Pilots before retirement of Rich Permenter of NOAA.**
- **PORTS system begin fully implemented in the Chesapeake Bay area in February, 2004**
- **There is a plan for celebration of the implementation of the system at the Secretary's level with NOAA.**
- **MPA Office of Communication will continue planning of the celebration; per Darlene Frank, this task will be assigned to other communications personnel after departure of Richard Berkow.**
- **MPA contacted NOAA in May pertaing to the FY 2004 O&M invoice. NOAA will provide MPA with approximately $215K invoice in June 2004.**
- **Meeting is planned for July, 2004 with NOAA, Maryland Pilots and MPA to discuss issue pertaing to safety navigation in the Chesapeake Bay.**
- **MPA accrued the $215K expenditures for FY 2004.**

Signature/Date: John Vasina 08-19-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
UM Current Meter Study		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland		**05/31/00 – 06/30/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1135	**52160020**	**502829**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$553,701			
% of Work Complete (Total):		**% Expended $ (Total):**	
81.00%		**73.03%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
10.00%	**90.00%**	**0.00%**	**100.00% (favorable)**

Project Goal(s):
To enhance the present shipboard-based Monitoring Program with continuous data to aid the detection of long term change in the Bay ecosystem and to forecast water levels currents and weather over the Chesapeake Bay area that will assist in vessel navigation and environmental work for the State's dredged material management program.

Project Objectives:
The purpose of this contract is to allow the University of Maryland Center for Environmental Studies to consult, deploy and maintain a Chesapeake Bay Observing System (CBOS) for the MPA.

Project Status - Issues/Solutions (both required): No additional issues since June 2004 report.

<u>Issues:</u>

- **The final report will be delivered on or before September 30, 2005 to the MPA. MPA will request interim progress report at the end of the FY 2002.**

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Solutions:

- **MPA will contact Dr. William Boicourt in Spring, 2003 to request the interim progress report.**

Signature/Date: John Vasina 08-19-04
(Project Manager)

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Project Name:		**Project Manager:**	
UM – Economic Studies		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland (Dr. Dennis King)		**02/01/02 – 01/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1140	**52240020**	**502821**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$457,690		**$249,750; $320,879**	**2**
% of Work Complete (Total):		**% Expended $ (Total):**	
76.00%		**59.83%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
10.00%	**90.00%**	**0.00%**	**100.00% (favorable)**

Project Goal(s):
To support selection of the dredged material placement sites to be included in the Governor's Strategic Plan for dredged material management .

Project Objectives:
To create an economic model that would address comparison of the costs, risks, and benefits of dredged material management options.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **MPA requested report for the work done to date.**
- **Dr. King asked for the Amendment to the contract to continue work to January 31, 2004.**
- **Dr. King requested meeting with MPA to discuss issues pertaining to the cost/benefit ratios allocations for the DMMP suggested placement options, the Inner Harbor sites economic issues, and the issues pertaining to the economic study of the ballast water issue.**

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Solutions:

- **Dennis King delivered the requested report in April, 2003.**
- **MPA approved Amendment #1 in December 2002.**
- **Several meetings took place in October to address economic issues pertaining to the Strategic Plan.**
- **Dr. King submitted to MPA proposal of the scope of work, under the Amendment #2 to the existing contract, to continue work in Year 3 on the project.**
- **Amendment #2 to the contract was executed in December 2003 for $320,879 with time extension to 01/31/05.**
- **Meetings with Dennis King and MPA take place each month to discuss the issues pertaining to the Corps' economic analysis and other economics issues related to DMMP program.**
- **Dr. King's staff is involved in economic analysis of the Poplar Island expansion; the meeting with the Corps are scheduled to take place in May.**
- **Various frequent meetings are scheduled to discuss Corps DMMP and prepare presentations and analysis.**
- **Dr. King's staff is working with MES on economics analysis for Mid-Chesapeake Bay and Poplar Expansion projects.**

Signature/Date: John Vasina 08-19-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
UM Ballast Water Study		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
University of Maryland		**09/01/00 – 12/31/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1170	**52170020**	**501918**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$673,277		**$308,697**	**1**
% of Work Complete (Total): **84.00%**		**% Expended $ (Total):** **96.17%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
10.00%	**90.00% (favorable)**	**0.00%**	**100.00% (favorable)**

Project Goal(s):
To identify improved methods for ballast water treatment and management and prevention of boat transport of invasive species.

Project Objectives:
To conduct realistic shipboard trials of methods for the treatment of ballast water, with specific emphasis on the Chesapeake Bay. The primary (voraxial separator) and secondary (ultraviolet irradiation and chemical biocide) treatments to be rigorously tested in the ballast tanks of an ocean going commercial vessel in Baltimore Harbor under normal ballasting conditions.

Project Status - Issues/Solutions (both required):
<u>Issues:</u>

- **Additional work is necessary to probe various issues pertaining to the measurement of the particulate separatory efficiency of the primary treatment (voraxial separator) and of the viability of bacteria, zooplankton and phytoplankton subjected to both primary and secondary treatments and other issues that arised during the course of study which need to be addressed in order to successfully complete the ballast water study.**

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Prepared by John Vasina
Harbor Development

- **The new system is being currently installed on Cape Washington by Dr. Wright and his technical support (Hyde Marine, Inc. and General Shipyard Co.) There are issue with possible deployment of the ship in Persian Gulf.**

Solutions:

- **First Amendatory Agreement to the contract was approved in December 2002 for additional funding of $308,697 with the term extended to December, 2004.**
- **Meeting between MPA and UMCES was held in September, 2002 to address issues pertaining to the Amendment.**
- **University of Maryland was requested to provide MPA with a statement of absence of conflict of interest due to principal investigators (Drs. Wright & Dawson) having patent with C-Clean.**
- **The Phase II of the study will be conducted using the same technology (Maritime Solutions, Inc. microfugal separator) provided it is functional.**
- **The Phase II will take place on the MARAD ship (other than Cape May) docked in the Port of Baltimore. The MARAD ship was not allocated to the project as of February 28, 2003.**
- **Trip was made to Flemington, NJ to observe Maritime Solutions' separator in February 2003.**
- **Several meetings are scheduled for June and July to coordinate work of UM**
- **Maritime Solutions, Inc. withdrew from the joint project with UM to pursue testing of their own system.**
- **Drs. David Wright and Roger Dawson, along with project partner Thomas Mackey of Hyde Marine, Inc. presented the results of their earlier work at the 2nd International Ballast Water Treatment R&D Symposium held at the headquarters of the International Maritime Organization (IMO) in London on July 21-23, 2003.**
- **The University of Maryland started to publish a periodical pertaining to the ballast water issues.**
- **UM together with Hyde Marine, Inc. will install experimental treatment system on the board of Cape Washington by the end of November, 2003.**
- **Dr. Wright submitted preliminary proposal for the extension of the contract to MPA in December 2003. (The proposal is currently being reviewed by MPA).**
- **Debbie Aheron of MARAD is discussing details of work with Dr. Wright and both parties try to set up contingencies for possible deployment of the Cape Washington to the Persian Gulf.**
- **Cape Washington was deployed in Gulf war; MPA and UM are looking for temporary placement of the equipment off shore to continue with the study.**
- **Negotiations are in process to place the equipment and continue with the study at MPA's Clinton Street location.**
- **Meeting is scheduled for July 2004 with MPA management to discuss the project in general, ROE, and the amendment to the contract.**
- **ROE was approved in July 2004**

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Prepared by John Vasina
Harbor Development

- **Contract Amendment to proceed with Phase I of the new study cycle is currently in process.**

Signature/Date: John Vasina 08-19-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Site Maintenance Work at Masonville		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Maryland Environmental Service		**09/09/02 – 02/29/04**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1175	**600105-P**	**500912**	**35**
Project Budget (Total):		**Revisions:**	**Revision #:**
$657,378		**$33,599**	
% of Work Complete (Total):		**% Expended $ (Total):**	
95.0%		**95.64%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
10.00%	**100.00% (favorable)**	**0.00%**	**100.00% (favorable)**

Project Goal(s):

To condition the site for further development in support of terminal operations .

Project Objectives:

To suppress phragmites and provide rough grading of the inner harbor Masonville site.

Project Status - Issues/Solutions (both required):

Issues:

- **The scope of work incorporates use of aerial applicator and extensive rental of heavy equipment.**

Solutions:

Active grading and clearing is occurring, with five pieces of equipment in use today. Where grading has occurred, the phragmites growth appears to be mostly controlled. Approximately 50% of the site is graded, and an additional 20% has been cleared and is in the process of being graded. Spraying of approximately 16 acres occurred on July 15, 2003. It is anticipated that this spraying will kill the phragmites

Project Status Report Form
Prepared by John Vasina
Harbor Development

above ground growth, but only provide minimal killing of the roots. Jim Sammis of WeedPro informed us that we may not see signs of the Phragmites dying off for 7-10 days, but the plants will begin to translocate the herbicide within 24 hours and this will start the dying process. MES observed signs of yellowing on some of the sprayed phragmites. MES will continue to clear and grade the site including the newly sprayed phragmites. All phragmites as well as the root mat are to be hauled off site to the Quarantine Road landfill. All reasonable effort will be made to remove any phragmites roots and above ground material from the site and not buried on site. Once the site is graded, no spraying will occur until September when the phragmites is fully tasseled. At this time, WeedPro will perform an aerial spray of the entire site at the most appropriate time to kill the phragmites roots and plants.

MES is still looking at completion of grading by the end of July, with the exception of the north side where stabilization still needs to occur. Luis has forwarded a sketch of the areas in need of stabilization. MNE has forwarded specifications for stone and geogrid to David Ferguson who is pursuing costs to provide MPA and MNE with a cost to stabilize these two areas.

Craig Huntley of MES first met Ken at the cell 5 site to discuss boring locations. EBA expects to be on site the end of next week and will be using an ATV for accessing the boring sites. Larry Walsh met us to see the site as well. JMT has previously staked out the existing pipe to make locating the alignment easier.

On phase II, the entire site is graded and rolled, except for the northern end that still needs to be stabilized. David Ferguson is to get Craig cost estimates as well as a record of available funds in the contract. Once we have this information, we can determine how much can be stabilized within the existing funding. A final survey needs to be done on the site, but this should wait until the site is fully stabilized. This is the same area where URS is planning SWM and we will coordinate with their plans.

The phragmites are coming back in some areas, but not heavily or to the point of tufting. If spraying is put off as late as possible, this would be around the third week of October. According to Jim Sammis and everyone else Craig have spoken to, unless the Phrag is tufting, there will not be full translocation to the roots. Because of this, and the fact that the phrag is very thin throughout the site. It appears that the most practical approach is to schedule spraying from a truck or with backpack sprayers and to not use aerial spraying. Once this is agreed upon, we need to let Jim Sammis of Weedpro know, so he can schedule accordingly.

Possible new phase of the project could be implemented to accommodate terminal for Mercedes Benz.

Signature/Date: John Vasina 08-19-04

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Dredge Material Recycling (Agricultural Use)		**John Vasina**	
Assignee(s) (Consultants/Contractors): University of Maryland - Wye Agricultural Laboratory/MES		**Contract or Task Period:** 09/01/97 – 12/31/06	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1190	**600105-S**	**598819**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$384,835			
% of Work Complete (Total): 100.00%		**% Expended $ (Total):** 85.49%	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
100.00%	**0.00%**	**0.00%**	**0.00% (favorable)**

Project Goal(s):
To make preliminary recommendation that the agricultural use of dredge material is either viable option to be considered for Governor's Strategic Plan for Dredged Material Placement or it should not be considered for the inclusion in the Plan. .

Project Objectives:
To address the benefit created through improving unproductive land (farmland). Additional objective is to quantify the value of unproductive farmland vs. the improved value of the land if dredged material increases agricultural yields.

Project Status - Issues/Solutions (both required):

<u>Issues:</u>

- **Need to quantify volume of dredged material that can be realistically applied to the farmland.**
- **Need for assessment of the viability of this option for the Governor's Strategic Plan.**

Need to extend the contract beyond 12/31/02.

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Harbor Development

- **MES have scanned Ken Staver's report in as an adobe acrobat pdf file, so whenever MPA decides to distribute to any citizen or other DMMP committees, MES can do that electronically or as a paper file report.**

Solutions:

- **Dr. Ken Staver of University of Maryland gave a presentation on agricultural applications at the Dredged Material Management Program Citizens Advisory Committee meeting on January 9, 2002.**
- **HMI Citizens Oversight Committee visited Wye Institute on August 20, 2002. Dr. Ken Staver gave the tour and presented lecture to the Committee.**
- **MES submitted requested and MPA approved no cost extension to December 31, 2006.**
- **Dr. Ken Staver (principal investigator) will a report to MPA in November, 2003 so the MPA can evaluate viability of this dredged material placement option for the Governor's Strategic Plan.**
- **Meeting with Dr. Staver and MES took place in November, 2003 and the initiation of the new plan for further enhancing the project was approved by MPA. Dr. Staver and MES will present the MPA with the plan in February 2004.**
- **The Wye Agricultural Research Center report was accepted in December, 2003.**
- **A meeting with MPA was held in December to discuss future actions.**
- **A meeting was [planned for February 12 for MES and Wye to develop the requested proposal for future activities with MPA requested a proposal detailing future activity. MES is requesting the ability to allocate $5,000 for laboratory analysis by Wye of recycling project soil samples. Money is available in the budget for this.**
- **MES continues to work on a draft proposal for MPA review for future work. Cece Donovan talked to Ken Staver on March 31 about proposal elements for Wye and set target completion date for a proposal. MES will follow up in July.**

Signature/Date: John Vasina 08-19-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
MDE Ballast Water Program		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Maryland Department of the Environment		**01/31/03 – 01/01/05**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1215	**54010740**	**500910**	
Project Budget (Total):		**Revisions:**	**Revision #:**
$161,000		**$0**	
% of Work Complete (Total):		**% Expended $ (Total):**	
72.00%		**76.05%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
10.00%	**90.00% (favorable)**	**0.00%**	**0.00% (favorable)**

Project Goal(s):
Implementation of reporting of information by maritime industry to MDE about ballast water. (Maryland legislation enacted in 2000 created an enforceable requirement for the maritime industry).

Project Objectives:
MPA's funding support helps MDE to start the program, draft and promulgate regulations, and set up the ongoing reporting framework.

Project Status - Issues/Solutions (both required):

Issues:

- **Program was originally funded from MPA's operating budget.**

Solutions:

- **Approval has been received from Secretary Porcari to amend the existing MOU between MPA and MDE (Contract No. 500910) and allow MDE to conduct work in support of MDE's ballast water program under this contract.**
- **MDE is submitting quarterly reports.**

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Prepared by John Vasina
Harbor Development

- **MDE's ballast water program regularly update and maintain a ballast water database that is used to collect information about ballast water report forms, ships that enter and depart the State of Maryland, contact information and compliance tracking. MDE is sending compliance verification letters to shipping agents of vessels that did not send in report forms at the end of each month. For example, in 2003, the average compliance rate (prior to receipt of compliance verification letters) was 71%. However, the average compliance rate (after receipt of compliance verification letter) climbed to 94%.**
-

Signature/Date: John Vasina 08-19-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Professional Dredging Engineering		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Gahagan & Bryant Associates, Inc.		**11/01/01 – 10/30/02**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1220	**600105-S**	**595919**	**#9A – Evaluation of Thin Layer Sites**
Project Budget (Total):		**Revisions:**	**Revision #:**
$21,555			
% of Work Complete (Total):		**% Expended $ (Total):**	
100.00%		**100.00%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
0.00%	**100.00% (favorable)**	**0.00%**	**100.00% (favorable)**

Project Goal(s):
To make preliminary recommendation that thin layer sites are either viable option to be considered for Governor's Strategic Plan for Dredged Material Placement or they should not be considered for inclusion in the Plan.

Project Objectives:
Generation of a concept-level appraisal of the application of maintenance dredging materials in a thin layer at wetland sites in Chesapeake Bay.

Project Status - Issues/Solutions (both required): No additional issues since May 2004 report – Task is completed.

<u>Issues:</u>

- **Project is currently in process of amendment; the work is going to be performed under new GBA / MPA contract #500905.**
- **The ACE Baltimore District is arranging for demonstration of the wetland thin layering at Blackwater. Troy Deale of Aztec Development will conduct the demonstration.**

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- **Additional funding need is going to be covered from the new open-ended contract with GBA; contract #500905, PIN #54012010.**

Signature/Date: John Vasina 08-19-04
(Project Manager)

Project Status Report Form

Prepared by John Vasina

Harbor Development

Project Name:		**Project Manager:**	
Professional Dredging Engineering		**John Vasina**	
Assignee(s) (Consultants/Contractors):		**Contract or Task Period:**	
Gahagan & Bryant Associates, Inc.		**11/25/02 – 12/11/03**	
Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1270	**54012010**	**500905**	**#7– Masonville Expansion (Kurt Iron & Metal)**
Project Budget (Total):		**Revisions:**	**Revision #:**
$36,500			
% of Work Complete (Total):		**% Expended $ (Total):**	
100.00%		**51.76%**	
% of Work Complete (Crnt. FY):	**% Var./Balance:**	**% Expended $ (Crnt. FY):**	**% Var./Balance:**
100.00%	**0.00% (favorable)**	**0%**	**100% (favorable)**

Project Goal(s):
To conceptually evaluate new inner harbor facility or facilities for the placement of maintenance and new work dredged materials from the inner harbor sites.

Project Objectives:
Prepare preliminary plans and cost estimates for the alternatives developed. GBA's deliverables will include plan drawings, construction costs estimates, owner costs associated with filling activities, site capacity and containment construction and filling schedules bracketed to capture both the fastest and the most cost effective means of recovering the land.

Project Status - Issues/Solutions (both required): No additional issues since May 2004 report – Task Completed.

<u>Issues:</u>

- **It is necessary to promptly gather information pertaining to these potential dredged material placement sites in order to place them as a possible options for**

Project Status Report Form
Prepared by John Vasina
Harbor Development

consideration in Maryland's Dredged Material Management Plan.

Solutions:

- **A preliminary draft series of plan drawings, tables, charts and schedules were submitted by GBA within 14 days of authorization to proceed with this work (November, 2002).**

Signature/Date: John Vasina 08-19-04
(Project Manager)

Date: 07/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name:	**Project Manager:**
IGA- Mid Bay Island Study (MES)	Steve Storms
Assignee(s) (Consultants/Contractors):	**Contract Period:**
MES	03/07/03 – 11/30/05 (Task 11/01/02-05/31/04)

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1165	52270020	504804	Task 1: Contract and Project Management

Project Budget (Total):	**Revisions:**	**Revision #:**
$347,480	Originally: $257,315 Later: $317,315; $322,015	

% Complete (Total):	**% Expended (Total):**
46	46

% Complete (Crnt FY):	**Var/Balance:**	**% Expended (Crnt FY):**	**Var/Balance:**
05	0	05	$188,939

Project Goal(s): Create dredged material placement capacity for mainstem Chesapeake Bay Baltimore Harbor navigation channels, and create and preserve wetland and island habitat originally associated with mid-Chesapeake Bay Islands, by restoring a mid-Chesapeake Bay Island using dredged material.

Project Objectives:
Conduct a feasibility level study of a candidate island site after narrowing the selection of island sites.

Project Status - Issues/Solutions (both required):

Subtask 1.1 – Task Planning, Technical, Environmental and Administrative Services (MES)

- MES continued to coordinate on all aspects of this study with EA and GBA.
- On July 1st, MES submitted a letter to EA to address EA's concerns regarding copyright and patent issues.
- On July 1st, MES submitted a request to MPA for authorization and notice to proceed for Task 8 (Integrated Feasibility and EIS Documentation). MES received MPA's signed authorization on July 20th.
- MES prepared for and attended the July 6th PDT meeting.
- MES submitted final June 8th PDT minutes to the team on July 8th.
- MES received a June monthly update from EA and GBA on July 9th and 12th respectively.
- On July 28th, MES submitted draft PDT meeting minutes from the July 6th meeting to the team for review/comment.
- MES prepared the FY05 rollover budget for the project.

Date: 07/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name: IGA – Mid-Chesapeake Bay Island Feasibility Study

Task #, Name: Task 1: Contract and Project Management

Project Status - Issues/Solutions (both required):

Future Work Anticipated in August/September:

- The PDT meeting scheduled for August 3rd was cancelled.
- On August 2nd, MES will submit a request to MPA to use existing funds from Task 1 for a Barren Island Site Visit. MES will receive signed authorization from MPA on August 6th.
- MES will prepare for and attend the September 7th PDT meeting.
- MES will review labor billing in the July invoice and move funds from Task 1 to the new EIS writing task, where appropriate. This will be reflected in the August invoice.

Subtask 1.2- Subcontracted Services for the Mid-Bay Island Project Management Plan (PMP) Support (EA)

- EA attended the July 6th PDT meeting.
- EA submitted a June status report on July 9th.
- Little Plan Formulation review needed during this period.
- At MPA's request, EA staff reviewed the James and Barren Draft Final Supplemental reports and provided comments to MES.
- EA staff provided feedback to MES on some natural resource questions relative to ecological studies on the islands.

Future Work Anticipated in August/September:

- EA will attend the September 7th PDT meeting.

Subtask 1.3- Subcontracted Services for the Mid-Bay Island Project Management Plan (PMP) Support (GBA)

- Continued management of task order.
- GBA attended the July 6th PDT meeting.
- On July 7th, GBA submitted an updated pound net map per MES request.
- GBA submitted a June status report on July 12th.

Future Work Anticipated in August/September:
GBA will attend the September 7th PDT meeting.

Signature/Date: Stephen E Stormer
(Project Manager)

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Date: 07/30/04

Project Status Report Form
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Harbor Development

Project Name:

IGA- Mid Bay Island Study (MES)

Project Manager:

Steve Storms

Assignee(s) (Consultants/Contractors):

MES

Contract Period:

03/07/03 – 11/30/05 (Task 11/01/02-05/31/04)

Budget Line #	**PIN #:**	**Contract #:**	**Task #, Name:**
1165	52270020	504804	Task 2: Public Involvement

Project Budget (Total):

$41,880

Revisions:

Revision #:

% Complete (Total):

12

% Expended (Total):

12

% Complete (Crnt FY):	**Var/Balance:**	**% Expended (Crnt FY):**	**Var/Balance:**
00	0	00	$37,104

Project Goal(s): Create dredged material placement capacity for mainstem Chesapeake Bay Baltimore Harbor navigation channels, and create and preserve wetland and island habitat originally associated with mid-Chesapeake Bay Islands, by restoring a mid-Chesapeake Bay Island using dredged material.

Project Objectives:

Conduct a feasibility level study of a candidate island site after narrowing the selection of island sites.

Project Status - Issues/Solutions (both required):

Public involvement issues are underway.

Date: 07/30/04

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Harbor Development

Project Name: IGA – Mid-Chesapeake Bay Island Feasibility Study

Task #, Name: Task 2: Public Involvement

Project Status - Issues/Solutions (both required):

Project is underway.

- Plans for further public meetings for Fall/Winter 2003-2004 are taking a back seat to the plan formulation process.

- No activity during this period.

Future Work Anticipated in August

No activity anticipated at this time.

Signature/Date: Stephen E Stormer
(Project Manager)

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Date: 07/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name:
IGA- Mid Bay Island Study (MES)

Project Manager:
Steve Storms

Assignee(s) (Consultants/Contractors):
MES

Contract Period:
03/07/03 – 11/30/05 (Task 11/01/02-05/31/04)

Budget Line #	PIN #:	Contract #:	Task #, Name:
1165	52270020	504804	Task 4: Cultural Studies

Project Budget (Total):
$66,965

Revisions:

Revision #:

% Complete (Total):
92

% Expended (Total):
92

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
20	0	20	$5,327

Project Goal(s): Create dredged material placement capacity for mainstem Chesapeake Bay Baltimore Harbor navigation channels, and create and preserve wetland and island habitat originally associated with mid-Chesapeake Bay Islands, by restoring a mid-Chesapeake Bay Island using dredged material.

Project Objectives:

Conduct a feasibility level study of a candidate island site after narrowing the selection of island sites.

Project Status - Issues/Solutions (both required):

Cultural studies including submarine archeology are being conducted in 2004.

Date: 07/30/04

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Project Name: IGA – Mid-Chesapeake Bay Island Feasibility Study

Task #, Name: Task 4: Cultural Studies

Project Status - Issues/Solutions (both required):

Task 4 – Cultural Studies (MES, PCI)

Subtask 4.1 - Contract and Project Management (MES)

- On July 7th, MES received the AutoCAD drawings from PCI and submitted them to the Corps.
- On July 19th, MES submitted comments to PCI on the draft reports.

Future Work Anticipated in August:

- MES anticipates receiving the Final reports from PCI.

Subtask 4.2- Subcontractor's Scope of Services (PCI)

- PCI received comments on the draft reports.
- PCI submitted AutoCAD drawings to MES.

Future Work Anticipated in August:

- PCI will work to finalize the reports and submit.

Signature/Date: Stephen E Storm
(Project Manager)

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Date: 07/30/04

Project Status Report Form
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Project Name:
MES Open Ended Consulting EPATS

Project Manager:
Steve Storms

Assignee(s) (Consultants/Contractors):
MES

Contract Period:
01/01/99 – 07/30/05 (Task: 5/23/00-12/30/04)

Budget Line #	PIN #:	Contract #:	Task #, Name:
1175	600105-P	500912	Task 10: Alternative Site Placement PA Mine

Project Budget (Total):
$85,523

Revisions:

Revision #:

% Complete (Total):
55

% Expended (Total):
55

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
1		1	$38,474

Project Goal(s):
Obtain information relative to ranking a mine site in eastern central Pennsylvania as a potential site for dredged material placement.

Project Objectives:
Gather preliminary recon information.

Project Status - Issues/Solutions (both required):
Issues: Initial site visit and preliminary site visit reports completed (August 2000). Preliminary discussions (September 2000) with site owner lapsed after lack of response from site owner regarding confidentiality agreements. According to Wayne Young, draft confidentiality agreements were mailed by LCN to MES, but were never received. This reportedly happened more than once. Storms made contact with attorney Attlee Davis February 8, 2002, who promised to send draft confidentiality agreements for MPA review. Nothing received to date.

Date: 07/30/04

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Project Name: MES Open Ended Consulting EPATS

Task #, Name: Task 10: Alternative Site Placement PA Mine

Project Status - Issues/Solutions (both required):

Solution: Storms to call attorney/site owner again, set up appointment for meeting.

Recently information has come to light that the Delaware River Port Authority (DRPA) and Pennsylvania Department of Environmental Protection (PADEP) have entered into a joint pilot project to place dredged material at a mine pit in Tamaqua, PA.

M&N is working on rail connection investigations. Preparation for a 9/11 presentation to Assistant Secretaries of Transporation Ports and ? regarding possible rail transport.

Also comparing recently released Pennsylvania criteria for mine reclamation use of dredged material with historic Port of Baltimore harbor dredged material characteristics.

Signature/Date: Stephen E. Storms
(Project Manager)

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Date: 07/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name:
MES Open Ended Consulting EPATS

Project Manager:
Steve Storms

Assignee(s) (Consultants/Contractors):
MES

Contract Period:
01/01/99 – 07/30/05 (Task: 5/23/00-6/30/04)

Budget Line #
1175

PIN #:
600105-P

Contract #:
500912

Task #, Name:
Task 18: Inner Harbor Conceptual Studies

Project Budget (Total):
$774,114

Revisions:

Revision #:

% Complete (Total):
90

% Expended (Total):
90

% Complete (Crnt FY):
92

Var/Balance:

% Expended (Crnt FY):
92

Var/Balance:
$81,756

Project Goal(s):
Inner Harbor Conceptual Studies.

Project Objectives:
Gather preliminary information.

Project Status - Issues/Solutions (both required):

Subtask 18.1 Task Planning, Technical, Environmental and Administrative Services (MES)

Date: 07/30/04

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Project Name: MES Open Ended Consulting EPATS

Task #, Name: Task 18: Inner Harbor Conceptual Studies

Project Status - Issues/Solutions (both required):

July 2004:

MES participated in the July 12th and July 30th JV meetings held at MPA. Both meetings covered the geotechnical and environmental aspects of the three Harbor sites.

The cultural studies scope of work is nearing completion and expected to be submitted to the MPA in August.

The July 12th meeting covered the site alignments, sand borrow sources, and Masonville water main and cable identification. Sparrows Point boating survey results were discussed.

The July 30th meeting covered the Masonville water line construction, alignment comparatives and community enhancements. Sparrows Point community enhancement review, slag issues, and the proposed slag testing program was discussed. The report submittal schedule was established for the harbor reports. The BP laboratory sediment analysis charges are also a part of this invoice.

The next JV meeting is planned for August 24th at MPA.

Signature/Date: Stephen E Storms
(Project Manager)

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Date: 07/30/04

Project Status Report Form
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Harbor Development

Project Name:
MES Open Ended Consulting EPATS

Project Manager:
Steve Storms

Assignee(s) (Consultants/Contractors):
MES

Contract Period:
01/01/99 – 06/30/05 (Task: 10/19/01-07/30/04)

Budget Line #	PIN #:	Contract #:	Task #, Name:
1175	600105-P	500912	Task 47: Federal (Corps) DMMP Support

Project Budget (Total):
$31,529

Revisions:

Revision #:

% Complete (Total):
48

% Expended (Total):
48

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
48		48	$16,544

Project Goal(s):
Provide technical assistance to Corps as they prepare their Dredged Material Management Plan.

Project Objectives:
Provide technical assistance to Corps as they prepare their Dredged Material Management Plan.

Project Status - Issues/Solutions (both required):

- See next page

Date: 07/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name: MES Open Ended Consulting EPATS

Task #, Name: Task 47: Federal (Corps) DMMP Support

Project Status - Issues/Solutions (both required):

Subtask 47.1: Task Planning, Technical, Environmental and Administrative Services (MES)

- MES conducted some correspondence between UMCES, EA, and Weston to confirm that all parties had updated matrix materials.
- MES conducted some coordination with EA to provide feedback to Weston regarding the Federal DMMP.

Future Work Anticipated in July:
- Little work is expected on this project in July.

Subtask 47.2: Subcontracted Services for Technical Support for the Federal Dredged Material Management Plan Development (EA Engineering, Science, & Technology, Inc. (EA))

- EA provided feedback to the Corps and MES on a couple of technical issues on an as needed basis.

Future Work Anticipated in July:
- It is expected that there will be little work requested for this task during July.

Signature/Date: Stephen E Storms
(Project Manager)

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Date: 07/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name:
Prof. Environmental Engineering

Project Manager:
Steve Storms

Assignee(s) (Consultants/Contractors):
EA Engineering, Science & Technology Inc.

Contract Period:
09/01/01 – 12/31/04 (Task: 08/21/02-12/31/04)

Budget Line #	PIN #:	Contract #:	Task #, Name:
1230	54010910	500902	Task 1: Support DMMP Ranking Process

Project Budget (Total):	Revisions:	Revision #:
$109,232	Original was $53,312, then $65,258, then $79,416, then $105,568, then 114,569	3

% Complete (Total):	% Expended (Total):
99	99

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
41	00	41	$556

Project Goal(s):
Various Environmental Engineering Goals.

Project Objectives:
Various Environmental Engineering Objectives.

Project Status - Issues/Solutions (both required):
Participate in State and Corps DMMP process at BEWG and other technical meetings. Provide detailed technical support and produce draft environmental matrix rankings for committee review, revision, and consent.

Signature/Date: Stephen E Storms
(Project Manager)

Date: 07/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name:
Prof. Environmental Engineering

Project Manager:
Steve Storms

Assignee(s) (Consultants/Contractors):
EA Engineering, Science & Technology Inc.

Contract Period:
09/01/01 – 12/31/04 (Task: 5/12/03-12/31/04)

Budget Line #	PIN #:	Contract #:	Task #, Name:
1230	54010910	500902	Task 4: Public Presentations on Dredged Material Needs

Project Budget (Total):
$35,184

Revisions:
Originally: $16,146

Revision #:

% Complete (Total):
99

% Expended (Total):
99

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
00	00	00	$377

Project Goal(s):
Various Environmental Engineering Goals.

Project Objectives:
Various Environmental Engineering Objectives.

Project Status - Issues/Solutions (both required):
Public presentation on Dredged Material Program prepared, reviewed, revised, and in active use at multiple public meetings. Revised version underway. Most of the client interaction on this task is conducted by FLH. Task virtually completed.

Signature/Date: Stephen L Storms
(Project Manager)

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Date: 07/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name:
Prof. Environmental Engineering

Project Manager:
Steve Storms

Assignee(s) (Consultants/Contractors):
EA Engineering, Science & Technology Inc.

Contract Period:
09/01/01 – 12/31/04 (Task: 5/12/03-05/30/04)

Budget Line #	PIN #:	Contract #:	Task #, Name:
1230	54010910	500902	Task 5: Geotech Studies o Harbor Borrow Sources

Project Budget (Total):	Revisions:	Revision #:
$21,421	Originally: $	

% Complete (Total):	% Expended (Total):
94	94

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
00	00	00	$1,250

Project Goal(s):
Various Geotech Engineering Goals for Harbor Studies.

Project Objectives:
Various Geotech Engineering Objectives.

Project Status - Issues/Solutions (both required):
Geotechnical Borings at Harbor Sites are planned to gather information related to foundation conditions and the presence of suitable borrow materials. EA was instructed to utilize MBE geotechnical firms to the maximum extent possible so as to work toward satisfying the MBE goal for their contract. Although their contract currently names EBA Engineering as their MBE, three other potential MBEs are currently mobilized for the Harbor project (Findling, E2CR, and Phoenix Engineering) and use of one of these MBEs would avoid possible "learning curve" issues with trying to get EBA up to speed. EA worked with MPA Fair Practices to resolve the issue and utilize the most appropriate MBE subcontractor, in this case Phoenix Engineering, to complete the task.

Signature/Date: Stephen E Storms
(Project Manager)

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Date: July 31, 2004

Project Status Report Form
prepared by
Harbor Development

Project
Study of Inner Harbor Sites: Hawkins Point/ Thoms Cove Containment Facility, Deadship Anchorage Containment Facility and Sollers Point Containment Facility

Project Manager:
Stephen Storms

Assignee(s) (Consultants/Contractors):
GBA-M&N A Joint Venture

Contract Period:
July 2004

Budget Line #	PIN #:	Contract #:	Task #, Name:
1245	54040010	503902	Task 1 – Project Management

Project Budget (Total):
$98,956

Revisions:

Revision #:

% Complete (Total):
80%

% Expended (Total):
80.81%

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
100%	Favorable/0%	63.97%	Favorable/36.03%

Project Goal(s)

To provide qualified personnel to attend meetings during the duration of the contract. The meetings may include at times multiple agencies and committees involved in the work.

Project Objectives:

GBA will be involved in management of the JV Team Work Tasks. GBA shall be responsible for providing and maintaining the books and records of the JV Team; monitoring, preparing and submitting to the MPA the consolidated JV billings; and receiving and distributing monies received for the Work.

Project Status - Issues/Solutions (both required):

General Project Management.

Signature: Stephen E Storms
(Project Manager)

Date: August 31, 2004

Date: 07/30/04

Project Status Report Form
prepared by
Harbor Development

Project Name:
Harbor Feasibility Study

Project Manager:
Steve Storms

Assignee(s) (Consultants/Contractors):
GBA-Moffatt & Nichol Joint Venture

Contract Period:
04/01/03 – 03/31/05 (Task: 06/15/03-03/31/05)

Budget Line #	PIN #:	Contract #:	Task #, Name:
1245	54040010	503902	02: Masonville Consol Rpt

Project Budget (Total):	Revisions:	Revision #:
$278,461	Originally $225,107	1

% Complete (Total):	% Expended (Total):
99	99

% Complete (Crnt FY):	Var/Balance:	% Expended (Crnt FY):	Var/Balance:
99		99	$611

Project Goal(s):
Provide for the environmentally safe and cost effective means of managing dredged material removed from federal, state, and private navigation channels inside the North Point – Rock Point line.

Project Objectives:
Conduct feasibility level study of options for management of harbor dredged material (inside the North Point – Rock Point line).

Project Status - Issues/Solutions (both required):

Sampling for environmental and geotech at Masonville completed.

Draft reports for environmental, geotechnical, coastal engineering, hydrodynamics and sediment modeling, and dredging engineering were due by mid-October.

Date: 07/30/04

Project Status Report Form
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Project Name: Harbor Feasibility Study
Task #, Name: 01: Task Management

November 3. Comments on draft reports due. (done)

November 14. Draft final reports are due. (done)

November 16. Comments on draft final reports due within two days. (done)

November 21. Final individual discipline reports (environmental, geotech, coastal, modeling, and dredging engineering) due. (done)

November 26. Draft Masonville consolidated report due . (done)

December 12. Comments on Masonville due. (done)

December 19. Masonville final consolidated due. (done)

Task virtually completed.

Signature/Date: Stephen L. Storms
(Project Manager)

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Project Status Report Form
Prepared by
Harbor Development

Project Name: Interagency Agreement MDE/MPA Monitoring
Task #, Name: #2, Baltimore Harbor TMDL Project

Project Name:	**MPA Project Manager:**
Interagency Agreement MDE/MPA Monitoring	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**01/31/03-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
1215	54010710	500910	#2, Baltimore Harbor TMDL Project

Project Budget (Total):		**Revisions:**	**Revision #:**
$164,000			
% Complete-Work (Total):		**% Expended (Total):**	
50%		**20.93%**	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
50%	50%	0.00%	100.00%

Project Goal(s):
- To conduct water quality related computer modeling of Baltimore Harbor.

Project Objectives:
- To estimate non-point source loads, simulate fate of toxics in Baltimore Harbor – harbor models and provide detailed assessment (Upper Bay Model) – VIMS.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Interagency Agreement MDE/MPA Monitoring**
Task #, Name: **#2, Baltimore Harbor TMDL Project**
Project Status – Issues/Solutions (both required):

- The toxic TMDL is currently being drafted.
- Modeling scenarios are currently being run for both the toxics and nutrient TMDLs.
- MDE expects to submit final nutrient and toxic sediment TMDLs to EPA in September 2004.
- The last invoice from MDE on this project was received on 01/23/04.

Signature/Date: 08/30/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: SAV Study at Poplar (AA Comm. College)
Task #, Name: SAV Study at Poplar (AA Comm. College)

Project Name:	**MPA Project Manager:**
SAV Study at Poplar Island (AA Comm. College)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Anne Arundel Community College	**04/01/02-07/31/06**

Budget Line #	PIN #	Contract #	Task #, Name:
1150	52260020	502822	SAV Study at Poplar (AA Comm. College)

Project Budget (Total):		**Revisions:**	**Revision #:**
$149,761			
% Complete-Work (Total):		**% Expended (Total):**	
80%		**64.51%**	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
97%	3%	00.00%	100.00%

Project Goal(s):

- To create, through plantings of submerged aquatic vegetation, underwater wetlands for the Poplar Island Environmental Restoration project.

Project Objectives:

- Activities for this study would take place over a four-year time line.
- SAVs would be planted in Poplar Harbor and monitored over the four-year period for growth and survivorship;
- A resource and planting methodology for the state will be established;
- A photographic record will be established.
- A record of plants supplied for other environmental projects, with acknowledgements to MDOT/MPA will be maintained for five years.
- Yearly progress reports will be submitted to MDOT/MPA on this study.

Project Status Report Form
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Harbor Development

Project Name: **SAV Study at Poplar (AA Comm. College)**
Task #, Name: **SAV Study at Poplar (AA Comm. College)**

Project Status – Issues/Solutions (both required):

- There have been no other reported changes to the project since the last reporting period.
- There have been several attempts to contact Dr. Ailstock to remind him to send-in monthly project status reports. This is a repetitive effort with him.
- The most recent invoice received from Dr. Ailstock on this project was received November 21, 2003.

Signature/Date: 08/30/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Name:	**MPA Project Manager:**
IGA – Mid Bay Island Study (James Island)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period Relevant to this EPATS Task:**
Maryland Environmental Service	**11/01/02-12/31/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1165	52270020	504804	#3, Env. Field Studies & Cons. Env. Rep. (James Island)

Project Budget (Total):	**Revisions:** **Revision #:**
$335,931	
% Complete-Work (Total):	**% Expended (Total):**
78%	**60.09%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
70%	30%	2.40%	97.60%

Project Goal(s):

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

Project Objectives:

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

Project Status Report Form
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Harbor Development

Project Name: **IGA – Mid Bay Island Study (James Island)**
Task #, Name: **#3 – Env. Field Studies & Cons. Env. Report (James Island)**

Project Status – Issues/Solutions (both required):

Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)

Subtasks 3.1 – 3.8 (James Island):
Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- MES continued to coordinate on all aspects of this study with Harms and CEM.
- MES drafted text on the commercial harvest data from DNR and submitted them along with comments to the Draft Final Supplemental report to Harms.
- MES received updates from Harms on the progress of this study.
- Coordinated with Harms to get crab pot survey acreages to the Corps as requested.
- MES received comments from MDE on the Draft Final James Supplemental report and responded to his comments/questions on July 2nd.
- MES received a June status report from Harms on July 7th.
- On July 7th, MES submitted the final DNR commercial harvest data to UMCES as requested.
- On July 8th, MES received and reviewed EA comments to the Draft Final Supplemental report. Discussed pound net survey results with EA and coordinated to get clarification on some issues from DNR.
- On July 12th, MES received additional comments from the Corps on the Draft Final James Supplemental report.
- MES submitted the June status report to MPA on July 16th.

Future Work Anticipated in August/September:

- MES will receive a July status report from Harms on August 5th. On this same day, Harms informed MES that they have had a heavy workload and have been unable to complete the revisions to the Spring and Supplemental reports but anticipate addressing the comments the week of August 9th.
- MES will submit the July status report to MPA in Mid-August.
- MES anticipates receiving the Final Supplemental, Final Spring and Draft Consolidated reports from Harms.

Project Status Report Form
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Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Harms communicated via email and phone with MES regarding study progress and updates.
- On July 7th, Harms submitted a monthly status report.
- Harms continues to work on finalizing the reports and submitting the draft consolidated report.

Future Work Anticipated in August/September:

- Harms will submit the Final Spring and Supplemental reports along with the Draft Consolidated to MES.
- Harms will submit a monthly status report to MES on August 5th.
- Harms will continue to work on the reports.
- Harms will receive the comments to the Draft Final James Supplemental report.

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report.

Future Work Anticipated in August:

- Task is completed. No further activity to report.

Signature/Date: Nathan K. Brown 08/25/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Name:	**MPA Project Manager:**
IGA – Mid Bay Island Study (Barren Island)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period Relevant to this EPATS Task:**
Maryland Environmental Service	**4/18/03-12/31/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1165	52270020	504804	#3 (0313), Barren Island Environmental

Project Budget (Total):	Revisions:	Revision #:
$433,482	$94,486	1

% Complete-Work (Total):	% Expended (Total):
88%	88.81%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
81%	19%	28.24%	71.76%

Project Goal(s):

- To conduct the feasibility level study of restoration of Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Objectives:

- To determine the feasibility of placing dredged material to restore Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

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Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Status – Issues/Solutions (both required):

Subtasks 3.9 – 3.16 (Barren Island):

Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)

- MES continued to coordinate on all aspects of this study with BBL.
- On July 7th, MES submitted the final DNR commercial harvest data to UMCES as requested.
- On July 7th, MES received BBL's June status report.
- MES coordinated with the Corps to get the current Barren alignments in electronic format for the contractor to use in the environmental reports. MES received the current alignments and submitted to BBL on July 7th.
- On July 12th, MES coordinated with the team to get copies of the Draft Final Barren Supplemental as requested for review/comment.
- On July 15th, MES received Corps comments to the Draft Final Barren Supplemental report. MES reviewed and provided responses the next day.
- MES submitted the June status report to MPA on July 16th.
- On July 26th, MES received and reviewed EA comments on the Draft Final Barren Supplemental report.
- On July 27th, MES sent MPA an invitation to accompany MES on a field visit in Mid-August.
- On July 27th, MES received copies of the Draft Barren Consolidated report and submitted to the Corps/MPA for review/comment.
- MES received comments from MPA on the Draft Final Supplemental on July 29th.

Future Work Anticipated in August:

- MES will submit the July status report to MPA in Mid-August.
- On August 6th, MES will receive additional Corps comments to the Draft Final Barren Supplemental report.
- On August 8th, MES will submit comments on the Draft Final Supplemental to BBL.
- MES will participate in a site visit to Barren Island and submit a trip report to MPA.
- MES anticipates receiving comments to the draft consolidated report from MPA/Corps.
- MES anticipates receiving copies of the Final Barren Supplemental report from BBL.

Project Status Report Form
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Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)

- BBL communicated via email and phone with MES regarding study progress and updates.
- BBL submitted a monthly status report on July 7th.
- BBL received an updated refined alignment figure from MES to incorporate into the Final Supplemental and the Draft Consolidated reports.
- BBL continues to work on the reports.
- On July 27th, the Draft Consolidated report was delivered to MES.

Future Work Anticipated in August:

- BBL will submit a monthly status report on August 3rd.
- BBL will submit a Draft Final Supplemental report to MES.

Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)

- Task is completed. No further activity to report.

Future Work Anticipated in August:

- Task is completed. No further activity to report.

Signature/Date: 08/25/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Characterization of Sediments, New Work Projects – Inner Harbor
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
01/01/04-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1175	5400010	500912	#45, Character. Of Sediments, New Work Projects- Inner Harbor

Project Budget (Total):

$353,166

Revisions: **Revision #:**

% Complete-Work (Total):

80.00%

% Expended (Total):

85.86%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
80.00%	20.00%	11.08%	88.92%

Project Goal(s):
Characterize the harbor sediments in the Dundalk Marine Terminal (DMT), Seagirt, and Masonville Terminal New Work Areas. This characterization will identify the physical, chemical and cap related test properties to identify the quality of the sediments. These results from this characterization will be evaluated to determine appropriate placement options.

Project Objectives:
1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Characterization of Sediments, New Work Projects – Inner Harbor**

Task #, Name: **#45, Character. of Sediments, New Work Projects- Inner Harbor**

3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.

Project Status- Issues/Solutions (both required):

- During the month of April, the Masonville report was finalized. The final Masonville and DMT/Seagirt Report were submitted to MPA in May 2004. Due to the new work dredging sediment analysis data being investigated as possible cap material at HMI, additional interpretation is being performed by OA systems.

- OA systems are performing a preliminary review of the data, they will identify any data gaps or analyses that they recommend be performed. These findings will be presented within a memo in the month of August. This will be followed up by a data analysis and interpretation following the issuance of the memo. This review is being performed under their existing contract.

Issues:

- No Issues.

Signature/Date: 08/25/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:

Poplar Island Expansion Feasibility Study
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period:

08/01/03-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	Task #44, Poplar Island Expansion Feasibility Study

Project Budget (Total):

$110,001

Revisions: **Revision #:**

% Complete-Work (Total):

35%

% Expended (Total):

41.09%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
35%	80%	10.85%	89.15%

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Expansion Feasibility Study
Task #, Name: #44, Poplar Island Expansion Feasibility Study

Project Status – Issues/Solutions (both required):

Subtask 44.1 Task Planning, Technical, Environmental and Administrative Services for the Poplar Island Expansion Project Management Plan Feasibility Studies (MES)

- MES reviewed the draft PIES SEIS outline and provided comments.
- MES received a monthly status report from EA on July 9th.
- Coordinated with EA to get them the methods used in the Mid-Bay clamming survey to use for the PIES study.
- Coordinated with MPA/Corps on MES meeting attendance at the Alternative Formulation meeting. It was decided that MES attendance at this higher-level meeting was not needed.
- MES prepared the FY05 rollover budget for the project.
- Received a draft proposal for additional Poplar planning work. Consulting with MPA on the appropriate contractual vehicle to accomplish the work

Future Work Anticipated in August:

- MES will prepare for and attend the next PDT meeting tentatively schedule for August 19th.
- MES will correspond with MPA regarding the inflow analysis work requested.
- MES will resolve the contractual questions related to the additional Poplar planning work requested by MPA.

Subtask 44.2 Poplar Island Expansion Feasibility Project Management Planning Support (EA/GBA)

- On July 9th, EA submitted the June status report.
- No PIES team meetings occurred during this period.
- EA staff addressed some minor technical questions; staff also handled some management issues associated with the subcontractor.
- A preliminary proposal was prepared for additional work related to Poplar planning. EA and GBA are working with MPA and MES to determine the appropriate contractual vehicle to accomplish the work, and to obtain necessary approvals.

Future Work Anticipated in August:

- EA and GBA will attend the next team meeting tentatively scheduled for August 19th.

Signature/Date: Nathaniel K. Baw 08/25/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

Project Name:	**MPA Project Manager:**
Hart-Miller Island Ph Study	Nathaniel K. Brown
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service	2/01/03-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	#38, Hart-Miller Island Ph Study

Project Budget (Total):	**Revisions:** **Revision #:**
$234,173	
% Complete-Work (Total):	**% Expended (Total):**
100%	38.00%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balan,ce
100% (not including additional tasks associated with North Cell closure support)	0%	1.39%	98.61%

Project Goal(s):

- To review existing and potential conditions in dredged material containment that may cause acid forming conditions and to assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control the acid forming conditions.

Project Objectives:

- To identify and assess existing and potential conditions that may cause acid forming conditions at HMI.
- To identify and assess dredging and dredged material containment operations that may cause acid forming conditions at HMI.
- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

- Identify and assess the suitable solutions for the management and control of acid forming conditions; and to identify and assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control Ph formations.

Project Status – Issues/Solutions (both required):

Issues

- None

Solutions

- None

Other MES Activities

- Prepared June progress report and reviewed client invoice for accuracy.
- Telephone conversations with subcontractors (Moffatt and Nichol and OA Systems) to finalize proposal for task amendment and new subtask work.
- Provided a presentation to MPA on July 13, 2004 on HMI NC closure information.
- Received subcontractor proposal July 28, 2004. Provided a review of proposal and initiated work on MES submittals for task amendment.
- Coordinated a kick-off meeting for new task work. Meeting scheduled for August 20, 2004.

Contractor (M&N / OAS) Activities:

- Submitted proposal and cost estimate for new subtask work.

Future Activities:

- Proposal for task amendment submitted to MPA for approval on August 12, 2004.
- Kick-off meeting for new subtask work scheduled for August 20, 2004.
- Contractor will begin work on new subtasks, including providing a review of the analysis done for the Harbor new work dredging.

Signature/Date: 08/25/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: **APG General Reconnaissance**
Task #, Name: **#32 – APG General Reconnaissance**

Project Name:
APG General Reconnaissance
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service/Andrews, Miller & Associates, Inc.

Contract Period Relevant to this EPATS Task:
4/25/02 - 6/30/05

Budget Line #	PIN #	Contract #	Task #, Name:
1175	5400010	500912	#32, APG General Reconnaissance

Project Budget (Total):

$271,849

Revisions: **Revision #:**

% Complete-Work (Total):

95%

% Expended (Total):

95.18%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
95%	5%	0.00%	100.00%

Project Goal(s):

- Place dredged material at the site as a natural resource for protecting valuable environmental habitat and from further shoreline erosion.
- General reconnaissance of the Aberdeen Proving Ground area to develop information regarding environmental and coastal conditions and unexploded ordinance and hazardous materials issues, identify land and water areas that are potentially suitable for use as dredged material placement sites.

Project Objectives:

- To conduct/develop a reconnaissance level of study of land and water areas within the boundaries of Aberdeen Proving Ground (APG) that are potentially suitable as dredged material placement sites with emphasis on water areas in the Chesapeake Bay and tributaries and

Project Status Report Form
Prepared by
Harbor Development

Project Name: **APG General Reconnaissance**
Task #, Name: **#32 – APG General Reconnaissance**

on land areas with riparian access or otherwise accessible from the APG shoreline.

- Identify and characterize the types, conditions, and prospective locations in composite format of hazardous and toxic materials that may be encountered.
- Identify and characterize the types, ages, conditions and prospective locations in composite format of UXO that may be encountered.

Project Status – Issues/Solutions (both required):

- Tasks 1-4 of the AMA contract are complete. This includes: the determination of APG Military and Superfund Status Relative to Dredged Material Management; Environmental Conditions Reconnaissance; Hazardous Materials and UXO Reconnaissance and Preliminary Risk Assessment; and Coastal Engineering Reconnaissance. Still underway are the preparation of the final report, supplemental tasks as assigned and general project and task management.

- For Task 5, Final draft of the: The Reconnaissance Study of Environmental Conditions at APG, UXO and Hazard Analysis in the Chesapeake Bay, and Coastal Engineering Reconnaissance Study For APG were submitted by BBL to MES. MES submitted these final draft reports to MPA and APG for review; comments were received in January and submitted to AMA for incorporation in to the consolidated report. AMA delivered the draft consolidation report to MES in April and MES forwarded a copy to MPA. The report review and editorial markup is now complete and the report comments were submitted to AMA in August. The final report is in the process of revision by AMA.

Issues

- No outstanding issues.

Signature/Date: Nathan K. Bowen 08/25/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II
Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

Project Name:	**MPA Project Manager:**
Analysis of Emissions from Ship & Port Operations – Third Phase (This project is included under MES Open Ended Consulting EPATS)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service/Edwards & Kelcey (E & K)	**12/15/00-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	#15, Anal. Of Emissions from Ship & Port Oprs. –2nd Phase

Project Budget (Total):	**Revisions:** **Revision #:**
$106,924	
% Complete-Work (Total):	**% Expended (Total):**
66%	**65.82%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
2%	98%	1.60%	98.40%

Project Goal(s):

- To produce a report on air emissions from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from shop and MPA operations in the Port of Baltimore.

Project Objectives:

- To produce a report on air emissions from Port activities.

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Project Name: **Analysis of Emissions from Ship & Port Operations – Study Phase II**
Task #, Name: **#15, Analysis of Emissions from Ship & Port Operations – 2ndPhase**

- To produce a second report on objectives and criteria to reduce emissions from Port activities.

Project Status – Issues/Solutions (both required):

- MES prepared a draft scope of work for E&K, and after approval from MPA; this was forwarded to E&K for a cost proposal. MES received a cost proposal from Edwards and Kelcey at the end of May.
- MES is prepared a scope of work and budget to add necessary funds to this task, and this letter proposal will be sent to MPA for their approval in July.
- MPA approved the Task on July 30. MES is now working on preparing the contracting documents for Edwards and Kelcey.

Signature/Date: Nathan L. Bm 08/25/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 22nd Year Monitoring Contract
Task #, Name: HMI 22nd Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 22nd Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/03-04/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
845	50030020	293644	22nd Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:**	**Revision #:**
$320,719		

% Complete-Work (Total):	**% Expended (Total):**
30%	**12.99%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
30%	70%	104.14%	-4.10%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

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Project Name: **HMI 22nd Year Monitoring Contract**
Task #, Name: **HMI 22nd Year Monitoring Contract**
Project Status – Issues/Solutions (both required):

- The summer sampling for Year 22 was completed in September 2003.
- The spring sampling for the Year 22 monitoring effort is scheduled for April 16th.
- No unusual conditions or delays have befallen the project.
- Sorting of benthic macro invertebrates in the lab is approximately 75% complete.
- Draft reports are scheduled to be submitted to MPA by the end of December 2004.

Signature/Date: 08/25/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 21st Year Monitoring Contract
Task #, Name: HMI 21st Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 21st Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/02-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
840	50030020	293644	21st Year Monitoring Contract, (MDE)

Project Budget (Total):		**Revisions:**	**Revision #:**
$306,446			
% Complete-Work (Total):		**% Expended (Total):**	
95%		**86.95%**	
% Complete (Crnt. FY)	**% Var./Balance (Crnt. FY):**	**% Expended (Crnt. FY)**	**% Var./Balance**
95%	**5%**	**122.10%**	**-22.10%**

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
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Harbor Development

Project Name: **HMI 21st Year Monitoring Contract**
Task #, Name: **HMI 21st Year Monitoring Contract**

Project Status – Issues/Solutions (both required):

- A no-cost extension for this project was approved to allow expenditure of funds through FY05.

Signature/Date: 08/25/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Characterization of Sediments, New Work Projects – Inner Harbor
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
01/01/04-12/31/04

Budget Line #	PIN #	Contract #	Task #, Name:
1175	5400010	500912	#45, Character. Of Sediments, New Work Projects- Inner Harbor

Project Budget (Total):

$328,182

Revisions: **Revision #:**

% Complete-Work (Total):

80.00%

% Expended (Total):

84.10%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
80.00%	20.00%	84.85%	15.15%

Project Goal(s):
Characterize the harbor sediments in the Dundalk Marine Terminal (DMT), Seagirt, and Masonville Terminal New Work Areas. This characterization will identify the physical, chemical and cap related test properties to identify the quality of the sediments. These results from this characterization will be evaluated to determine appropriate placement options.

Project Objectives:
1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Characterization of Sediments, New Work Projects – Inner Harbor**

Task #, Name: **#45, Character. of Sediments, New Work Projects- Inner Harbor**

3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.

Project Status- Issues/Solutions (both required):

- During the month of April, the Masonville report was finalized. The final report was submitted to MES on April 29,2004 and to the MPA May 6,2004.
- The Dundalk Marine Terminal/Seagirt Report was submitted to MES and MPA on May 5,2004. The DMT/Seagirt report is under review.
- The new work dredging sediment analysis data is being investigated as possible cap material at HMI, several reports and meetings occurred in support of this effort.
- During the month of June, the evaluation of sediment analysis is underway and the data was forwarded to OA Systems for review.

Issues:

- No Issues.

Signature/Date: Nathan K. Finn 07/29/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: SAV Study at Poplar (AA Comm. College)
Task #, Name: SAV Study at Poplar (AA Comm. College)

Project Name:	**MPA Project Manager:**
SAV Study at Poplar Island (AA Comm. College)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Anne Arundel Community College	**04/01/02-07/31/06**

Budget Line #	PIN #	Contract #	Task #, Name:
1150	52260020	502822	SAV Study at Poplar (AA Comm. College)

Project Budget (Total):		**Revisions:**	**Revision #:**
$149,761			
% Complete-Work (Total):		**% Expended (Total):**	
80%		**64.51%**	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
97%	3%	102.50%	-2.50%

Project Goal(s):

- To create, through plantings of submerged aquatic vegetation, underwater wetlands for the Poplar Island Environmental Restoration project.

Project Objectives:

- Activities for this study would take place over a four-year time line.
- SAVs would be planted in Poplar Harbor and monitored over the four-year period for growth and survivorship;
- A resource and planting methodology for the state will be established;
- A photographic record will be established.
- A record of plants supplied for other environmental projects, with acknowledgements to MDOT/MPA will be maintained for five years.
- Yearly progress reports will be submitted to MDOT/MPA on this study.

Project Status Report Form
Prepared by
Harbor Development

Project Name: SAV Study at Poplar (AA Comm. College)
Task #, Name: SAV Study at Poplar (AA Comm. College)

Project Status – Issues/Solutions (both required):

- There have been no other reported changes to the project since the last reporting period.
- There have been several attempts to contact Dr. Ailstock to remind him to send-in monthly project status reports. This is a repetitive effort with him.
- The most recent invoice received from Dr. Ailstock on this project was received November 21, 2003.

07/29/04
RECEIVED PHONE MESSAGE:
DR. AILSTOCK IS ON VACATION
UNTIL AUGUST 16, 2004.
[illegible]

Signature/Date: [illegible] 07/29/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Interagency Agreement MDE/MPA Monitoring
Task #, Name: #2, Baltimore Harbor TMDL Project

Project Name:	**MPA Project Manager:**
Interagency Agreement MDE/MPA Monitoring	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**01/31/03-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
1215	54010710	500910	#2, Baltimore Harbor TMDL Project

Project Budget (Total):		**Revisions:**	**Revision #:**
$164,000			
% Complete-Work (Total):		**% Expended (Total):**	
50%		**20.93%**	

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
50%	50%	21.67%	78.33%

Project Goal(s):

- To conduct water quality related computer modeling of Baltimore Harbor.

Project Objectives:

- To estimate non-point source loads, simulate fate of toxics in Baltimore Harbor – harbor models and provide detailed assessment (Upper Bay Model) – VIMS.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Interagency Agreement MDE/MPA Monitoring**
Task #, Name: **#2, Baltimore Harbor TMDL Project**
Project Status – Issues/Solutions (both required):

- The toxic TMDL is currently being drafted.
- Modeling scenarios are currently being run for both the toxics and nutrient TMDLs.
- MDE expects to submit final nutrient and toxic sediment TMDLs to EPA in September 2004.

Signature/Date: 07/29/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 22nd Year Monitoring Contract
Task #, Name: HMI 22nd Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 22nd Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/03-04/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
845	50030020	293644	22nd Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:**	**Revision #:**
$320,719		

% Complete-Work (Total):	**% Expended (Total):**
30%	**12.99%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
30%	70%	104.14%	-4.10%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
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Harbor Development

Project Name: **HMI 22nd Year Monitoring Contract**
Task #, Name: **HMI 22nd Year Monitoring Contract**
Project Status – Issues/Solutions (both required):

- The summer sampling for Year 22 was completed in September 2003.
- The spring sampling for the Year 22 monitoring effort is scheduled for April 16th.
- No unusual conditions or delays have befallen the project.
- Sorting of benthic macro invertebrates in the lab is approximately 75% complete.
- Draft reports are scheduled to be submitted to MPA by the end of December 2004.
- The most recent invoice received for this project was received on June 01, 2004.

Signature/Date: 07/29/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 21st Year Monitoring Contract
Task #, Name: HMI 21st Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 21st Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/02-06/30/05**

Budget Line #	PIN #	Contract #	Task #, Name:
840	50030020	293644	21st Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:** **Revision #:**
$306,446	
% Complete-Work (Total):	**% Expended (Total):**
95%	**86.95%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
95%	5%	122.10%	-22.10%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 21st Year Monitoring Contract**
Task #, Name: **HMI 21st Year Monitoring Contract**

Project Status – Issues/Solutions (both required):

- A no-cost extension for this project was approved to allow expenditure of funds through FY05.
- The most recent invoice received on this project was dated July 9, 2004.

Signature/Date: 07/29/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 20th Year Monitoring Contract
Task #, Name: HMI 20th Year Monitoring Contract

Project Name:	**MPA Project Manager:**
HMI 20TH Year Monitoring Contract	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Dept. of the Environment	**7/01/01-06/30/04**

Budget Line #	PIN #	Contract #	Task #, Name:
835	50030020	293644	20th Year Monitoring Contract, (MDE)

Project Budget (Total):	**Revisions:**	**Revision #:**
$293,953		

% Complete-Work (Total):	**% Expended (Total):**
100%	**96.37%**

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
100%	0%	83.54%	16.46%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **HMI 20th Year Monitoring Contract**
Task #, Name: **HMI 20th Year Monitoring Contract**

Project Status – Issues/Solutions (both required):

- The most recent invoice on this project was received by June 01, 2004.
- Project will be closed out with final invoice submittal in June

Signature/Date: 07/29/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

Project Name:	**MPA Project Manager:**
Hart-Miller Island Ph Study	Nathaniel K. Brown
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service	2/01/03-12/31/03

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	#38, Hart-Miller Island Ph Study

Project Budget (Total):	**Revisions:** **Revision #:**
$105,817	
% Complete-Work (Total):	**% Expended (Total):**
100%	83.45%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balan,ce
100% (not including additional tasks associated with North Cell closure support)	0%	78.51%	21.49%

Project Goal(s):

- To review existing and potential conditions in dredged material containment that may cause acid forming conditions and to assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control the acid forming conditions.

Project Objectives:

- To identify and assess existing and potential conditions that may cause acid forming conditions at HMI.
- To identify and assess dredging and dredged material containment operations that may cause acid forming conditions at HMI.
- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Hart-Miller Island Ph Study**
Task #, Name: **#38, Hart-Miller Island Ph Study**

- Identify and assess the suitable solutions for the management and control of acid forming conditions; and to identify and assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control Ph formations.

Project Status – Issues/Solutions (both required):

Issues

- None

Solutions

- None

Other Activities

- Meeting with OA Systems representatives on June 10 to assist in scooping new tasks for HMI North Cell closure. Per MPA's guidance, new tasks will be added to EPATS Task 38.
- Finalize subcontractor scope of work and submit to MPA for comment.
- Submitted scope of work to MPA for review (June 14).
- Submitted scope of work to subcontractor. Proposal is expected by June 30.

Contractor (M&N / OAS) Activities:

- OA Systems representatives attended a meeting with MES on June 10.
- Moffatt and Nichol and OA Systems are developing the proposal and cost estimate for the new tasks.

- **Future Activities:**
- Upon receipt and review of the subcontractor's submittal, MES will prepare a proposal package for submission to MPA.
- After MPA review and approval of the new subtasks for EPATS Task 38, a kick-off meeting will be scheduled in August with MPA, MES and the subcontractors.

Signature/Date: Nathan K. Bru 07/29/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Name:	**MPA Project Manager:**
IGA – Mid Bay Island Study (James Island)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period Relevant to this EPATS Task:**
Maryland Environmental Service	**11/01/02-12/31/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1165	52270020	504804	#3, Env. Field Studies & Cons. Env. Rep. (James Island)

Project Budget (Total):	Revisions:	Revision #:
$356,112	$161,112	1

% Complete-Work (Total):	% Expended (Total):
78%	59.11%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
70%	30%	40.80%	59.20%

Project Goal(s):

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

Project Objectives:

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **IGA – Mid Bay Island Study (James Island)**
Task #, Name: **#3 – Env. Field Studies & Cons. Env. Report (James Island)**

Project Status – Issues/Solutions (both required):

Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)

Subtasks 3.1 – 3.8 (James Island):
Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- MES continued to coordinate on all aspects of this study with Harms and CEM.
- MES received updates from Harms on the progress of this study.
- MES drafted and finalized responses to Corps comments on the Draft James Supplemental report.
- MES received signed release letters from the pound net fishermen to obtain their landings information. MES coordinated with DNR to obtain the information and to interpret the data.
- MES received a May status report from Harms on June 7th.
- MES submitted the May status report to MPA on June 15th.
- On June 21st, MES received the Draft Final James Supplemental report and coordinated with the team to provide them with copies for review/comment.
- On June 28th, MES submitted comments to Harms on the Draft Final James Spring report.

Future Work Anticipated in July:

- MES will receive a June status report from Harms on July 7th.
- MES will receive comments to the Draft Final James Supplemental 2003 report and submit them to Harms.
- MES will submit the June status report to MPA in Mid-July.

Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Harms communicated via email and phone with MES regarding study progress and updates.
- On June 7th, Harms submitted a monthly status report.
- Harms submitted the Draft Final Feasibility Environmental Conditions Data Report- Supplemental to MES.
- Harms continues to work on the Final Feasibility Environmental Conditions Data Report-Spring 2003,which is 95% completed.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Future Work Anticipated in July

- Harms will submit the Final Spring report to MES.
- Harms will submit a monthly status report to MES on June 1st.
- Harms will continue to work on the reports.
- Harms will receive the comments to the Draft Final James Supplemental report.

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report.

Future Work Anticipated in July:

- Task is completed. No further activity to report.

Signature/Date: Nathan J. K. Tom 07/29/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Name:	**MPA Project Manager:**
IGA – Mid Bay Island Study (Barren Island)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period Relevant to this EPATS Task:**
Maryland Environmental Service	**4/18/03-05/31/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1165	52270020	504804	#3 (0313), Barren Island Environmental

Project Budget (Total):	Revisions:	Revision #:
$445,856	$94,486	1

% Complete-Work (Total):	% Expended (Total):
84%	84.56%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
79%	21%	78.09%	21.91%

Project Goal(s):

- To conduct the feasibility level study of restoration of Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Objectives:

- To determine the feasibility of placing dredged material to restore Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Status – Issues/Solutions (both required):

Subtasks 3.9 – 3.16 (Barren Island):

Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)

- MES continued to coordinate on all aspects of this study with BBL.
- MES received signed release letters from the pound net fishermen to obtain their landings information. MES coordinated with DNR to obtain the information and to interpret the data.
- On June 8th, MES received BBL's May status report.
- On June 11th, MES submitted comments to the Draft Supplemental Barren report to BBL.
- MES submitted the May status report to MPA on June 15th.
- MES coordinated with BBL to get calculated estimates of habitat acreage to the Corps as requested.

Future Work Anticipated in July:

- MES will submit the June status report to MPA in Mid-July.
- MES anticipates receiving the draft consolidated and draft final supplemental reports from BBL.

Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)

- BBL communicated via email and phone with MES regarding study progress and updates.
- BBL submitted calculated estimates of both habitat acreage and percent of habitat for the Corps as requested.
- BBL submitted a monthly status report on June 8th.
- BBL continues to work on the reports.
- BBL received comments from MES on the Draft Supplemental report on June 11th

Future Work Anticipated in July:

- BBL will submit a monthly status report on July 7th.
- BBL will submit a Draft Final Supplemental report to MES.
- BBL will submit a Draft Consolidated report to MES.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental
Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)

- Task is completed. No further activity to report.

Future Work Anticipated in July:

- Task is completed. No further activity to report.

Signature/Date: Nathan K. Bm 07/29/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Analysis of Emissions from Ship & Port Operations – Study Phase II**
Task #, Name: **#15, Analysis of Emissions from Ship & Port Operations – 2ndPhase**

Project Name:	**MPA Project Manager:**
Analysis of Emissions from Ship & Port Operations – Study Phase II (This project is included under MES Open Ended Consulting EPATS)	**Nathaniel K. Brown**
Assignee (s) Consultants/Contractors):	**Contract Period:**
Maryland Environmental Service/Edwards & Kelcey (E & K)	**12/15/00-06/30/04**

Budget Line #	PIN #	Contract #	Task #, Name:
1175	54000010	500912	#15, Anal. Of Emissions from Ship & Port Oprs. –2nd Phase

Project Budget (Total):		**Revisions:**	**Revision #:**
$106,924			
% Complete-Work (Total):		**% Expended (Total):**	
100%		**98.86%**	
% Complete (Crnt. FY)	**% Var./Balance (Crnt. FY):**	**% Expended (Crnt. FY)**	**% Var./Balance**
100%	**0%**	**103.46%**	**-3.46%**

Project Goal(s):

- To produce a report on air emissions from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from shop and MPA operations in the Port of Baltimore.

Project Objectives:

- To produce a report on air emissions from Port activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: **Analysis of Emissions from Ship & Port Operations – Study Phase II**
Task #, Name: **#15, Analysis of Emissions from Ship & Port Operations – 2ndPhase**

- To produce a second report on objectives and criteria to reduce emissions from Port activities.

Project Status – Issues/Solutions (both required):

- Phase 2 final report was received in April. Phase 2 tasks are now completed.
- In April, MPA requested that MES initiate Phase 3 studies to develop a greater understanding of the operational aspects of tugboat and intermodal trucking operations, two of the areas where air emissions reductions are potentially of value, as per the Phase 2 report.
- MES prepared a draft scope of work for E&K, and after approval from MPA; this was forwarded to E&K for a cost proposal. MES received a cost proposal from Edwards and Kelcey at the end of May. MES is now preparing a scope of work and budget to add necessary funds to this task, and this letter proposal will be sent to MPA for their approval in July.
- In June, MPA requested copies of the Year 1 and Year 2 reports for Howard Simons at MDOT, as well as Nat Brown and Rick Sheckells of MPA. MES determined that the Year 1 reports had not been fully finalized. Edwards and Kelcey sent copies of the final report for Year 1, MES made 2 copies each of the Final Year 1 and Year 2 reports and forwarded them to Mr. Simons, Rick Sheckells and Nat Brown.

Signature/Date: 07/29/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: APG General Reconnaissance
Task #, Name: #32 – APG General Reconnaissance

Project Name:
APG General Reconnaissance
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service/Andrews, Miller & Associates, Inc.

Contract Period Relevant to this EPATS Task:
4/25/02 - 6/30/04

Budget Line #	PIN #	Contract #	Task #, Name:
1175	5400010	500912	#32, APG General Reconnaissance

Project Budget (Total):

$271,849

Revisions: **Revision #:**

% Complete-Work (Total):

95%

% Expended (Total):

95.18%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
95%	5%	73.49%	26.51%

Project Goal(s):

- Place dredged material at the site as a natural resource for protecting valuable environmental habitat and from further shoreline erosion.
- General reconnaissance of the Aberdeen Proving Ground area to develop information regarding environmental and coastal conditions and unexploded ordinance and hazardous materials issues, identify land and water areas that are potentially suitable for use as dredged material placement sites.

Project Objectives:

- To conduct/develop a reconnaissance level of study of land and water areas within the boundaries of Aberdeen Proving Ground (APG) that are potentially suitable as dredged material placement sites with emphasis on water areas in the Chesapeake Bay and tributaries and

Project Status Report Form
Prepared by
Harbor Development

Project Name: **APG General Reconnaissance**
Task #, Name: **#32 – APG General Reconnaissance**

on land areas with riparian access or otherwise accessible from the APG shoreline.

- Identify and characterize the types, conditions, and prospective locations in composite format of hazardous and toxic materials that may be encountered.
- Identify and characterize the types, ages, conditions and prospective locations in composite format of UXO that may be encountered.

Project Status – Issues/Solutions (both required):

- Tasks 1-4 of the AMA contract are complete. This includes: the determination of APG Military and Superfund Status Relative to Dredged Material Management; Environmental Conditions Reconnaissance; Hazardous Materials and UXO Reconnaissance and Preliminary Risk Assessment; and Coastal Engineering Reconnaissance. Still underway are the preparation of the final report, supplemental tasks as assigned and general project and task management.

  - For Task 5, Final draft of the: The Reconnaissance Study of Environmental Conditions at APG, UXO and Hazard Analysis in the Chesapeake Bay, and Coastal Engineering Reconnaissance Study For APG were submitted by BBL to MES. MES submitted these final draft reports to MPA and APG for review; comments were received in January and submitted to AMA for incorporation in to the consolidated report. AMA delivered the draft consolidation report to MES in the beginning of April and MES forwarded a copy to MPA. The report review and editorial markup is near completion. Report comments are expected to be submitted to AMA in June.

Issues

- No outstanding issues.

Signature/Date: Nathan K. Conn 07/29/04
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:

Poplar Island Expansion Feasibility Study
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period:

08/01/03-12/31/04

Budget Line #	PIN #	Contract #
1175	54000010	500912

Task #, Name:
Task #44, Poplar Island Expansion Feasibility Study

Project Budget (Total):

$110,001

Revisions: **Revision #:**

% Complete-Work (Total):

35%

% Expended (Total):

33.89%

% Complete (Crnt. FY)	% Var./Balance (Crnt. FY):	% Expended (Crnt. FY)	% Var./Balance
35%	80%	62.13%	37.87%

Project Goal(s):

- To consider altematives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Expansion Feasibility Study
Task #, Name: #44, Poplar Island Expansion Feasibility Study

Project Status – Issues/Solutions (both required):

Subtask 44.1 Task Planning, Technical, Environmental and Administrative Services for the Poplar Island Expansion Project Management Plan Feasibility Studies (MES)

- MPA informed MES that the proposed geotechnical work would not be needed at this time.
- MES reviewed the draft PIES SEIS outline and provided comments.
- On June 2nd, the final meeting minutes from the May 21st meeting with UMCES were distributed to the team.
- MES received a monthly status report from EA on June 7th.
- On June 10th, MES distributed draft-meeting minutes from the May 13th meeting to the team for review/comment.
- On June 15th, a revised May status report was sent to MPA.
- MES attended the June 17th PIES meeting and recorded meeting minutes.
- MES distributed draft June 17th meeting minutes to the team for review/comment on June 22nd.
- On June 28th, the final May 13th meeting minutes were distributed to the team.
- On June 29th, the final meeting minutes from the June 17th meeting were distributed to the team.

Future Work Anticipated in July/August:

- MES will submit a June status report to MPA mid-July.
- MES will prepare for and attend the next PDT meeting tentatively schedule for August 19th

Subtask 44.2 Poplar Island Expansion Feasibility Project Management Planning Support (EA/GBA)

- On June 7th, EA submitted the May status report.
- EA and GBA attended the PIES team meeting on June 17th and did some minor follow up work to answer questions generated in that meeting.

Future Work Anticipated in July/August:

- EA and GBA will attend the next team meeting tentatively scheduled for August 17th

Signature/Date: 07/29/04
(MPA Project Manager)

Project Manager: Steve Storms
Project Listing

Data Current to: 7/30/2004
Prepared: 09/13/04 12:15 PM

	Project Name	Line	PIN #	Contract	Description
1	IGA- Mid Bay Island Feasibility Study	1165	52270020	504804	Task 01: Contract and Project Mngmnt
2	IGA- Mid Bay Island Feasibility Study	1165	52270020	504804	Task 02: Public Involvement
3	IGA- Mid Bay Island Feasibility Study	1165	52270020	504804	Task 04: Cultural Studies
4	MES Open Ended Consulting EPATS	1175	600105-P	500912	Task 10: Alt Site Plcmnt PA Mine
5	MES Open Ended Consulting EPATS	1175	600105-P	500912	Task 18: Inner Harbor Conceptual Studies
6	MES Open Ended Consulting EPATS	1175	600105-P	500912	Task 47: Federal DMMP Support
7	Prof. Environmental Engineering (New)	1230	54010910	500902	Task 1: Support DMMP Ranking Process.
8	Prof. Environmental Engineering (New)	1230	54010910	500902	Task 4: Public Presentation Dredged Material Needs.
9	Prof. Environmental Engineering (New)	1230	54010910	500902	Task 5: Geotech using MBEs at Harbor Sites.
10	Harbor Sites	1245	54040010	503902	Task 1: Task Management
11	Harbor Sites	1245	54040010	503902	Task 2: Masonville Consolidated Report
12	Harbor Sites	1245	54040010	503902	Task 3: Sparrows Point Consolidated Rpt
13	Harbor Sites	1245	54040010	503902	Task 4: Harbor Team Support
14	Harbor Sites	1245	54040010	503902	Task 5: Interim Study Tasks
15	Harbor Sites	1245	54040010	503902	Task 6: Masonville Feasibility Study
16	Harbor Sites	1245	54040010	503902	Task 7: Sparrows Pt Feasibility Study
17	Harbor Sites	1245	54040010	503902	Task 8: BP Fairfield Feasibility Study
18	Prof. Dredging Engineering (New)	1270	54012010	500905	Task 13: Dredging Pgm Policy Assistance