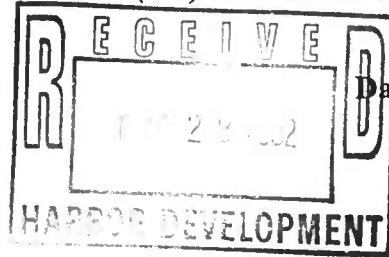


# LETTER OF TRANSMITTAL



*Gahagan & Bryant Associates, Inc*  
9008-O Yellow Brick Road  
Baltimore, Maryland 21237  
(410)682-5595 Fax (410)682-2175

To: Stephen Storms  
Project Manager  
MPA  
2310 Broening Highway  
Baltimore, MD 21224



Date October 25, 2002

Re: Poplar Island  
QA/QC Final Report  
MES Contract 01-07-12  
Task 19.2.1

- We are sending you:  Enclosed  Under separate cover via \_\_\_\_\_ the following items.
- Shop drawings  Prints  Plans  Samples  Specifications
- Copy of letter  Change order

COPIES	DATE	NO.	DESCRIPTION
3			Poplar Island Restoration Project Construction Status Report #8 – Final Report

COMMENTS:.

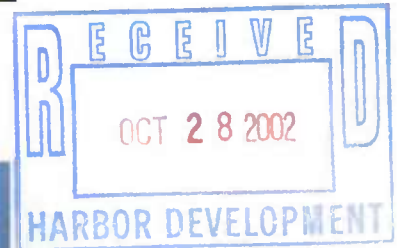
Please give copies to Frank Hamons & Dave Bibo. Thank you.

SIGNED: \_\_\_\_\_

MARYLAND PORT ADMINISTRATION  
OFFICE OF HARBOR DEVELOPMENT

POPLAR ISLAND RESTORATION PROJECT – PHASE II  
CONSTRUCTION STATUS REPORT NO. 8  
For Period Ending February 17, 2002

FINAL REPORT



Prepared by



Gahagan & Bryant Associates, Inc

Baltimore, Maryland

*MES Contract # 01-07-12 Task # 19.2.1*

September 2002

October 24, 2002

Mr. Wayne Young  
 Director, Environmental Dredging  
 Maryland Environmental Service  
 2011 Commerce Park Drive  
 Annapolis, MD 21401

**Re: Poplar Island Phase II Construction  
 STATUS REPORT NO. 8  
 For the Period Ending February 17, 2002  
 MPA Contract # 500828 Task 19  
 MES Contract # 01-07-12 Task # 19**

Dear Mr. Young:

Attached is the eighth and final status report for Phase II construction at the Poplar Island site based on final contractor work through February 17, 2002. This report has been delayed because of limited survey data and a revised final pay estimate, which were recently completed and resolved to accurately reflect the production and cost characteristics of the project. An Executive Summary letter report was distributed in January 2002, covering the construction activities through December 2001, when the project was substantially complete.

A brief statement of site conditions for the referenced period is given below:

Summary of Reported Activity (1)	Reported Quantity	Percent of Contract	Contractor Rates of Construction (per calendar day)	
			Planned (3)	Reported
Contract day at February 17, 2002	764	133%	---	---
Volume of Stockpile, cut cy	2,499,087	104% (2)	14,894	17,001
Unsuitable Excavation/Backfill, cy (4)	616,472 (5)	136%	4,998	4,500
Toe Dike, Quarry Run, lin. ft.	11,319	100%	53	52
Toe Dike Armor, lin. ft.	11,319	100%	53	42
Dike Fill, lin. ft.	21,823	100%	60	67
Dike Fill, cy	1,809,172	96%	5,085	3,486
Dike Underlayer, lin. ft, 250#	11,944	100%	55	56
Dike Armor, lin. ft, 3000# & 4000#	10,040	89%	38	49
Estimated % Work Complete	---	100% (6)		

(1) Based on Contractor QC Reports for period ending February 17, 2002

(2) The estimated required stockpile volume is 2,400,000 cy. This estimate was revised from 2.8 mcy to 2.4 mcy by Tidewater Skanska Inc. (TSI).

(3) Estimated by GBA from contractor schedule dated June 6, 2000

(4) Total required volume is 454,838 cy (227,419 cy excavation and 227,419 cy backfill).

(5) Reported quantity includes material excavation and backfill beyond the pay template and losses.

(6) % Work Complete is reported to be 100% as of February 17, 2002. The perimeter dike section at the access channel will be constructed as part of Cell 6 closure in the year 2004 or 2005.

**Estimated Final Production Rates**

The estimated final production rates are based on reported conditions using the approximate reported rates described in the table on the following page. These tables indicate the final production values for each construction element.

	<b>Toe Dike, Lin. ft</b>	<b>Stockpile, Cy (2)</b>	<b>Dike Fill, Cy</b>	<b>Dike Section, Lin. ft</b>	<b>Slope Armor Stone, Lin. ft</b>
Total required quantity	11,319	2,400,000	1,880,287	21,823	11,319
Planned rate (1)	53	14,894	5,085	60	38
Previous period (Oct 01)					
Reported	---	---	59,040	727	1,885
Rate	---	---	1,905	91	61
Current month (Feb 02)					
Reported	---	---	208,171	2,416	3035
Rate	---	---	2,002	23	56
To date					
Reported	11,319	2,499,000	1,809,172	21,823	10,040
Rate	42	17,001	3,486	54	49
Percent complete	100%	104%	96%	100%	89%
Completion date					
Planned	02/21/2001	03/21/2001	09/29/2001	09/29/2001	11/23/2001
Final Production Rate	42	17,001	3,486	N/A	49
Completion date	8/14/2001 (3)	04/20/2001 (3)	02/12/2002 (3)	02/12/2002 (3)	02/02/2002 (3)

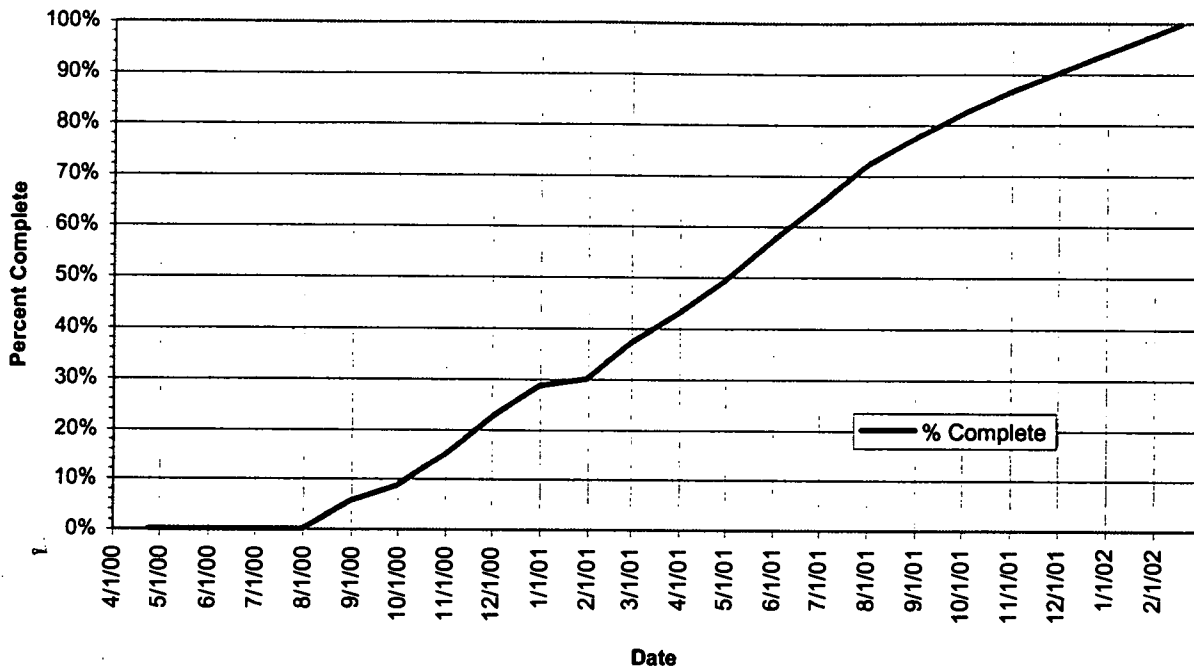
- (1) Rates are per calendar day using revised contractor schedule with a Run Date of June 6, 2000
- (2) TSI estimate of required quantity and rate
- (3) Actual completion date.

**Contractor Payments**

A brief analysis of contractor payments and the status of the MPA Escrow Account for the contract ending are presented in the following table and graph.

<b>Activity</b>	<b>Amount</b>
Total Payments to Contractor	\$41,131,205
Total Payments to Contractor (less Mob/Bond/Retainage)	\$38,507,435
Total Payments to Contractor as Percent of Bid Amount (1)	109%
Withdrawals From MPA Escrow Account	\$12,607,521
Escrow Withdrawals as Percent of MPA Escrow Account (2)	128%
Escrow Withdrawals as Percent of Contractor Payments	31%

- (1) Based on Bid Amount of \$37,592,000.
- (2) Based on a projected MPA obligation of \$9,834,030.



Project Percent Complete by Contractor Payments

**Critical Project Issues**

**Toe Dike Construction:** To date, the toe dike is 100% complete. Final as built survey cross sections have not been submitted.

**Slope Dike Construction:** To date, the dike slope stone is 100% complete. Final as built survey cross sections have not been submitted.

**Stockpile Construction:** Norfolk Dredging completed Stockpile production on April 20, 2001. Approximately 2,499,000 cy of borrow material was removed for dike construction.

We are available to discuss details of this report at your convenience.

Very truly yours,

GAHAGAN & BRYANT ASSOCIATES, Inc.

Dennis C. Urso, P.E.  
Vice President

cc: F. Hamons, D. Bibo, S. Storms (MPA); M. Franklin, S. Johnson, B. Walls (CENAB);  
W. Young, L. Walsh (MES); Pete Kotulak (M & N); Ed Dalton (E2Si)..

## TABLE OF CONTENTS

1.	INTRODUCTION .....	1-1
1.1	REPORT SCOPE .....	1-1
1.2	DATA ANALYZED .....	1-1
1.3	REPORT ORGANIZATION .....	1-1
1.4	PROJECT BACKGROUND .....	1-2
1.5	PROJECT CHRONOLOGY .....	1-3
2.	EVALUATION OF PROJECT ELEMENTS .....	2-1
2.1	PROJECT SCHEDULE AND PROGRESS .....	2-1
2.1.1	<i>Project Schedule</i> .....	2-1
2.1.2	<i>Construction Completion</i> .....	2-3
2.2	BORROW AREAS .....	2-4
2.2.1	<i>Contractor's Use of Borrow Areas</i> .....	2-4
2.2.2	<i>Exhaustion of Borrow Areas</i> .....	2-5
2.3	UNSUITABLE EXCAVATION/BACKFILL .....	2-5
2.3.1	<i>Comments on Excavation/Backfill</i> .....	2-7
2.4	TOE DIKE .....	2-8
2.5	SAND STOCKPILE .....	2-9
2.5.1	<i>Stockpile Characteristics</i> .....	2-9
2.5.2	<i>Required Stockpile Volume</i> .....	2-10
2.5.3	<i>Reported Stockpile Volume</i> .....	2-10
2.5.4	<i>Stockpile Issues</i> .....	2-12
2.6	DIKE FILL MATERIAL .....	2-12
2.7	DIKE ARMOR .....	2-14
2.8	CONTRACTOR PAYMENTS AND ESCROW WITHDRAWALS .....	2-16
2.9	QUALITY CONTROL AND SURVEY DATA .....	2-17
2.10	CONTRACT CHANGES .....	2-18
2.11	DEFICIENCY REPORTS .....	2-19
3.0	REFERENCES .....	3-1
4.0	ATTACHMENTS .....	4-1

### TABLES

TABLE 1-1.	SITE CHARACTERISTICS .....	1-3
TABLE 1-2.	PROJECT CHRONOLOGY .....	1-3
TABLE 2-1.	ANALYSIS OF THE CONTRACTOR'S REVISED INITIAL SCHEDULE .....	2-2
TABLE 2-2.	REPORTED CONSTRUCTION RATES & PROJECTED CONSTRUCTION COMPLETION .....	2-3
TABLE 2-3.	CONTRACTOR'S USE OF PLANNED BORROW AREAS .....	2-4
TABLE 2-4.	EXHAUSTION OF SAND BORROW AREAS .....	2-5
TABLE 2-5.	UNSUITABLE FOUNDATION AREAS .....	2-6
TABLE 2-6.	REPORTED UNSUITABLE EXCAVATION/BACKFILL .....	2-6
TABLE 2-7.	ANALYSIS OF REPORTED TOE DIKE PRODUCTION .....	2-8
TABLE 2-8.	ANALYSIS OF REQUIRED STOCKPILE VOLUME .....	2-10
TABLE 2-9.	ANALYSIS OF REPORTED STOCKPILE PRODUCTION .....	2-11

TABLE 2-10.	ANALYSIS OF REPORTED DIKE FILL PRODUCTION.....	2-12
TABLE 2-11	ANALYSIS OF REPORTED SLOPE DIKE PRODUCTION. ....	2-14
TABLE 2-12.	SUMMARY OF CONTRACTOR PAYMENTS .....	2-16
TABLE 2-13.	SUMMARY OF CONTRACT CHANGES AND NOTICES .....	2-18

**FIGURES**

FIGURE 2-1.	PLANNED AND REPORTED UNSUITABLE EXCAVATION/BACKFILL PRODUCTION .....	2-7
FIGURE 2-2.	PLANNED AND REPORTED TOE DIKE PRODUCTION .....	2-9
FIGURE 2-3.	REPORTED CUMULATIVE STOCKPILE PRODUCTION.....	2-11
FIGURE 2-4.	PLANNED AND REPORTED DIKE FILL PRODUCTION.....	2-13
FIGURE 2-5.	PLANNED AND REPORTED SLOPE ARMOR DIKE PRODUCTION .....	2-15
FIGURE 2-6.	CONTRACTOR ESTIMATE AND USACE PAYMENT COMPARISON .....	2-17

## **1. INTRODUCTION**

### **1.1 REPORT SCOPE**

Gahagan & Bryant Associates, Inc. (GBA) has been retained by the Maryland Environmental Service (MES) under contract to the Maryland Port Administration (MPA) to provide specified QA/QC services for the Poplar Island Environmental Restoration Project. The contract plans and specifications were prepared by the U S Army Corps of Engineers, Baltimore District (CENAB). The project is being constructed in two phases due to the funding process. Phase I of the project was completed in February 2000 by Kiewit Construction Company. The Phase II construction contract was awarded on April 17, 2000, and is being administered by CENAB with periodic input by MPA as the local sponsor of the project.

GBA has not provided project inspection or contract management services on this project. GBA's scope of work is to provide QA/QC technical report services, and report to MES, MPA and CENAB, our findings and recommendations. GBA has been represented at site progress meetings and at site visits. GBA has also reviewed the contractor's construction schedules, QC reports and requests for partial payment and the limited available site survey data.

GBA is part of a consultant group contractually reporting to MES along with the following two firms:

- 1) Earth Sciences & Engineering (E2Si) - Geotechnical Engineering
- 2) Moffatt & Nichol Engineers (M&N) - Coastal Engineering

### **1.2 DATA ANALYZED**

Our report is based on analysis of the following data provided to GBA by CENAB:

- Reported quantities from the daily QA/QC reports by the contractor
- Electronic survey data from the contractor
- Contractor project schedule
- Aerial progress photos
- Correspondence between CENAB and contractor, and
- Subcontractor reports

### **1.3 REPORT ORGANIZATION**

This report is organized as follows:

- Introduction
- Evaluation of Project Elements, and
- Attachments.



## **1.4 PROJECT BACKGROUND**

The U.S. Army Corps of Engineers, Baltimore District (CENAB) maintains more than 125 miles of federal navigation channels providing access to the Port of Baltimore. Placement of the material removed during maintenance dredging of these channels requires substantial effort and commitment of resources. Beneficial use of dredged material is a valuable option, providing opportunities for environmental enhancement while also providing for the necessary ongoing activity of port maintenance.

Poplar Island, formerly a 1,000-acre single island in 1847, had nearly disappeared by the mid 1990's, due to increasing natural erosion. Only four small remnants and Coaches Island existed in 1995, with a combined landmass of 79 acres. The concept to reconstruct Poplar Island using clean dredged material was developed through the cooperative efforts of several state and federal agencies and private organizations. Former Maryland Governor William Donald Schaefer's Task Force on Dredged Material Management recommended the Poplar Island Environmental Restoration Project on February 1991 as a potential placement site for dredged materials. Subsequent to the Task Force report, the MPA with technical support from MES, developed the Dredging Needs and Placement Options Program, a multi-organization program charged with developing a comprehensive dredged material management plan (SOM, 1991). The Poplar Island project was developed as a component of the comprehensive plan. The detailed planning and design of the Poplar Island Restoration began in mid-1994 and completed in 1996 (GBA-M&N, 1996a). The 100% plans and specifications were transmitted to CENAB by the GBA - M&N Joint Venture in May 1996 (GBA-M&N, 1996b).

The diked area of 1,134 acres will be filled with uncontaminated dredged material from the approach channels to the Port of Baltimore. Chemical testing of channel sediments prior to dredging and placement will ensure that only uncontaminated material is used for the restoration project.

Construction of the site is being done in two phases. The Phase I construction contract was awarded February 17, 1998 to the Kiewit Construction Company at a bid price of \$45.4 million. Phase I was completed in March 2000 for a total cost of \$54 million, which included additional work items beyond the original bid.

The Phase II contract was awarded on April 7, 2000 to Tidewater Skanska Inc. (TSI) at a negotiated bid price of \$37.8 million. The contract calls for a 525 day construction period with a completion date of October 1, 2001.

General site characteristics are given in Table 1-1.

**Table 1-1. Site Characteristics**

FEATURE	PHASE I	PHASE II	TOTAL SITE
Length of perimeter dike	21,589 ft	18,279 ft	39,868 ft
Initial upland dike elevation, average	10 ft	10 ft	10 ft
Raised upland dike elevation, average	20 ft	20 ft	20 ft
Tidal wetland cells number and area	Two - 312 acres	Two - 253 acres	Four - 565 acres
Tidal wetland cells, average elevation	1.4 ft	1.4 ft	1.4 ft
Tidal wetland cells dredged material capacity	4 mcy	3 mcy	7 mcy
Upland cells number and area	One - 326 acres	One - 243 acres	Two - 569 acres
Upland cells dredged material capacity	14.0 mcy	12 mcy	26 mcy
Total site capacity for dredged material	18 mcy	15 mcy	33 mcy

*Source: Revised from 5-18-01 using contract drawings and known revised dike alignment data from CENAB.*

### 1.5 PROJECT CHRONOLOGY

The chronology of the Poplar Island construction project is briefly summarized in Table 1-2.

**Table 1-2. Project Chronology**

ACTIVITY	PHASE I	PHASE II
Bid opening	Jan 15, 1998	N/A <sup>1</sup>
Contract award	Jan 27, 1998	Apr 7, 2000
Notice to proceed (NTP)	Feb 17, 1998	Apr 24, 2000
Contract duration	575 calendar days	560 calendar days <sup>2</sup>
Contract completion date	Sept 15, 1999	Nov 5, 2001 <sup>2</sup>
Actual completion date	Mar 6, 2000	February 17, 2002

1. No bid opening date since this was a best value procurement.
2. Includes 27-day extension due to eagle environmental restriction, 6 days for ground cover development and 2 days for Jefferson Island Crossing.

## **2. EVALUATION OF PROJECT ELEMENTS**

An evaluation of site conditions and construction progress for eleven project elements are provided in this report:

- Project schedule and progress
- Borrow areas
- Unsuitable excavation/backfill
- Toe dike
- Sand stockpile
- Dike fill
- Dike armor
- Contractor payments and escrow withdrawals
- Quality Control and Survey data
- Contract changes
- Deficiency reports

This report provides a review of the above contract elements related to tracking and projecting contractor production and schedule for completion. The analysis presented in this report is intended to periodically present the site and contract status in an effort to document project conditions, project delays, unplanned increases in contract cost and project progress/schedules.

GBA is not authorized and has not performed construction inspection or project management, as provided under the present contract with MES.

Supporting materials are contained in attachments to this report.

### **2.1 PROJECT SCHEDULE AND PROGRESS**

#### **2.1.1 Project Schedule**

Prior to contract award and as part of the bid/proposal, the contractor's original schedule was submitted to CENAB with a run date of February 16, 2000. A revised "Initial Project Schedule" was submitted with a run date of June 6, 2000. An analysis of the June 6, 2000 schedule is presented in Table 2-1.

The contractor provided an updated schedule, dated November 30, 2000. This schedule indicates a project completion date of December 12, 2001, while the Initial Project Schedule had an October 1, 2001 completion. This is primarily the result of the delay in completion of the toe dike, especially the quarry run and armor stone placement and the delay in the start of slope armor production. A new activity was added to the toe dike work to account for the shaping of the quarry run. Both schedules are included in Attachments 4.10 and 4.11.

**Table 2-1. Analysis of the Contractor's Revised Initial Schedule**  
(Run date of June 6, 2000)

ACTIVITIES	STATION		DATE		DURATION	RATE		TOTAL
	Begin	End	Start	Finish	Days	LF/Cal. Day	CY/Cal. day	Quantity
<b>Toe Dike</b>								
Place Quarry Run	356+50	410+88	07/19/00	10/11/00	85	64	N/A	5,438
Place Quarry Run	474+00	415+19	10/02/00	02/15/01	136	43	N/A	5,881
Shape Quarry Run	356+50	410+88	N/A	N/A	N/A	N/A	N/A	5,438
Shape Quarry Run	474+00	415+19	N/A	N/A	N/A	N/A	N/A	5,881
Armor Stone	356+50	410+88	07/25/00	10/12/00	80	68	N/A	5,438
Armor Stone	474+00	415+19	10/10/00	02/21/01	134	44	N/A	5,881

**Dike Fill**

South/East Dike	330+00	408+50	09/25/00	01/17/01	115	68	N/A	7,850
Longitudinal Dike	1200+00	1254+87	05/25/01	08/16/01	84	65	N/A	5,487
Wetland Dike	1300+00	1315+00	08/17/01	08/30/01	14	107	N/A	1,500
West Dike	474+00	418+00	01/18/01	05/24/01	127	44	N/A	5,600

**Stockpile**

N/A	N/A	09/15/00	03/21/01	188	N/A	14,894	2,800,000
-----	-----	----------	----------	-----	-----	--------	-----------

**Unsuitable Excavation**

378+50	465+00	07/09/00	08/24/00	46	N/A	4,944	227,419
--------	--------	----------	----------	----	-----	-------	---------

**Unsuitable Backfill**

378+50	465+00	08/16/00	09/30/00	45	N/A	5,054	227,419
--------	--------	----------	----------	----	-----	-------	---------

Notes:

1. Activity "Place Quarry Run" includes Leveling and Geotextile activities.
2. Shape Quarry Run tasks were not available in the June 6, 2000 schedule.
3. Stations are plan limits of work elements, not necessarily the same area breakdown as in the contractor's schedule.
4. The bid quantity of 220,100 cy, is replaced by 227,419 cy, which is TSI's before dredge quantity.

Comparisons of *actual vs. planned production* are based on the above June 6, 2000 Planned Schedule Rates. Detailed production comparisons through the period ending February 17, 2002 are provided in Section 2.

**2.1.2 Construction Completion**

The construction completion shown in Table 2-2 is based on reported conditions using the approximate reported rates for the period ending February 17, 2002. The project was considered to be complete as of February 17, 2002 and the contractor had demobilized at that time.

**Table 2-2. Reported Construction Rates & Projected Construction Completion**

	TOE DIKE, LIN. FT	STOCKPILE, CY (2)	DIKE FILL, CY	DIKE SECTION, LIN. FT	SLOPE ARMOR STONE, LIN. FT
Total required quantity	11,319	2,400,000	1,880,287	21,823	11,319
Planned rate (1)	53	14,894	5,085	60	38
Previous period (Oct 01)					
Reported	---	---	59,040	727	1,885
Rate	---	---	1,905	91	61
Current period (Feb 02)					
Reported	---	---	208,171	2,416	3,035
Rate	---	---	2,002	23	56
To date					
Reported	11,319	2,499,000	1,809,172	21,823	10,040
Rate	42	17,001	3,486	54	49
Percent complete	100%	104%	96% (6)	100%	89% (6)
Completion date					
Planned	02/21/2001	03/21/2001	09/29/2001 (4)	09/29/2001 (4)	11/23/2001
Rate used in projection	42	17,001	3,486	N/A	49 (3)
Completed date	08/14/2001 (5)	04/20/2001 (5)	02/12/2002 (5)	02/12/2002 (5)	01/26/2002 (5)

(1) Rates are per calendar day using revised contractor schedule with a Run Date of June 6, 2000.

(2) TSI estimate of required quantity and rate.

(3) Slope armor completion based on a delayed start date of May 31, 2001 (instead of October 9, 2000) due to slowed toe dike production.

(4) Includes increased quantity for Coaches Island Realignment.

(5) Actual completion date.

(6) Does not include deferred portion of dike at access channel.

Additional details of the contractor's progress are presented in Attachment 4.0.

## 2.2 BORROW AREAS

Seven borrow areas are provided in the contract as shown in Attachment 4.2 (Areas A, D, F, G, H, Access Channel and Turning Basin). The estimated available sand volume in these areas is 4.1 mcy. An analysis of borrow area material volumes and required stockpile volume is presented in Section 2.5.

### 2.2.1 Contractor's Use of Borrow Areas

As of February 17, 2002, the contractor has utilized borrow areas as described in Table 2-3. Additional details on borrow area volumes are contained in a memorandum report prepared by E2Si (E2Si 2000).

**Table 2-3. Contractor's Use of Planned Borrow Areas**

AREA	SURFACE AREA, AC (1)	ESTIMATED AVAILABLE SAND VOLUME, CY (1)	ESTIMATED AVAILABLE "CLAY" VOLUME, CY (2)	REPORTED PERIOD	REPORTED BORROW DESTINATION
A	35.5	666,700	90,800	8/2/00 – 11/28/00	Stockpile
D	36.4	1,338,000	102,600	10/3/00 – 11/20/00	Stockpile
F	65.9	1,000,000	44,300	11/23/00 – 12/16/00	Stockpile
G	52.8	750,000	19,300	12/2/00 – 12/14/00	Stockpile
H	10.2	384,000	0	8/2/00 – 11/28/00	Unsuitable Backfill
<b>Totals</b>	<b>201</b>	<b>4,138,700</b>	<b>257,000</b>	<b>---</b>	<b>---</b>

AREA	REPORTED EXCAVATION VOLUME, CY	REPORTED EXCAVATION AS % OF AVAILABLE (3)	SURVEYED EXCAVATION VOLUME, CY (4)	SURVEYED EXCAVATION AS % OF AVAILABLE (3)	SURVEYED AS % OF REPORTED
A	559,442	74%	535,000	71%	96%
D	869,277	60%	1,041,000 (5)	72% (5)	120%
F	643,745	62%	642,245	62%	100%
G	426,623	55%	392,528	51%	92%
H	383,941	100% (6)	269,000	70%	70%
<b>Totals</b>	<b>2,883,028</b>	<b>66%</b>	<b>2,879,773</b>	<b>66%</b>	<b>100%</b>

(1) Surface areas and sand volume estimated by E2Si (E2Si 2000), based on borings.

(2) Estimated volume of additional "non-sand" materials required recovering all sand (E2Si 2000).

(3) Percent of the sum of estimated sand and "clay" volumes.

(4) Estimated by GBA from Tidewater surveys.

(5) Contractor was permitted to extend borrow area to the North which requires relocation of the Cross Dike.

(6) Contractor was permitted to extend borrow area to the North.

Norfolk's dredge "Pullen" arrived at Poplar Island on March 2, 2001 for a second time and began production on March 8, 2001. Dredging began in Borrow Area F and then moved to Borrow area G on March 15, 2001 and then back to Borrow Area F on March 30, 2001. Norfolk added 661,330 CY to the stockpile. The dredge Pullen demobilized on April 21, 2001.

### **2.2.2 Exhaustion of Borrow Areas**

GBA prepared an analysis of the available sand volume and the feasibility of exhausting the borrow areas (GBA, 2000). A summary of sand volumes from this analysis is presented in Table 2-4.

**Table 2-4. Exhaustion of Sand Borrow Areas**

<b>POTENTIAL BORROW SOURCE</b>	<b>TOTAL SAND AVAILABLE ESTIMATE (CY)</b>	<b>DREDGED BY TSI (CY)</b>	<b>REMAINING SAND ESTIMATE (CY)</b>
Area A	667,000	535,000 (1)	132,000
Area D + north	1,338,000	1,041,000 (1)	297,000
Area F	1,000,000	643,000	356,000
Area G	750,000	393,000	357,000
Area H + north	384,000	269,000 (2)	N/A
<b>Total estimated</b>	<b>4,139,000</b>	<b>2,881,000</b>	<b>1,142,000</b>

Source: GBA (2000)

(1) Indicates that the survey data was used instead of the reported quantity.

(2) Contractor was permitted to extend borrow area to the North.

As part of a Poplar Island SDP submittal, (January 31, 2001) E2Si provided an analysis of Access Channel West borrow area. E2Si took 8 additional borings in the Access Channel West borrow area, (E-1 to E-8). Grain size distributions were performed to determine the amount of sand and silt. There is approximately 202,000 cy of sand available and 6,000 cy of silt within the sand layer. TSI was not directed to retrieve this sand.

### **2.3 UNSUITABLE EXCAVATION/BACKFILL**

The contract requires that areas with materials judged to be unsuitable for the dike foundation be excavated and backfilled with good quality fill materials prior to dike construction. Accordingly, excavation and backfill of unsuitable foundation materials is required in six work areas (I, J, K, L, M, and N), totaling 2,850 linear ft (see Sheet 1, Attachment 4.2). Planned excavation areas are listed in Table 2-5. The bid quantity of excavation and associated backfill is 220,100 cy each, for a total of 440,200 cy. TSI's before dredge survey indicates 227,419 cy, each, for a total of 454,838 cy.

Unsuitable material was excavated and backfilled by the 16-in. dredges Richmond and Marion operated by Cottrell Contracting Corporation. Excavation began on July 17, 2000. For the period ending December 6, 2000, an excavation volume of 232,529 cy was reported. This represents 102% of the before dredge volume and an average daily production of 5,055 cy per working day. For the same period, a backfill volume of 383,971 has been reported. This

represents 169% of the before dredge volume and an average daily production of 8,533 cy per working day. Reported unsuitable excavation and backfill production is presented in Table 2-6. A plot of reported production is presented in Figure 2-1.

**Table 2-5. Unsuitable Foundation Areas**

AREA	STATION	STATION	LENGTH, FT	PLAN QUANTITY, CY
I	378+50	382+50	400	95,252
	382+50	388+50	600	
	388+50	390+00	150	
J	395+50	401+00	550	21,987
K	436+00	438+00	200	28,036
L	447+00	451+00	400	64,952
	451+00	452+50	150	
M	455+00	457+00	200	12,304
N	463+00	465+00	200	4,888
<b>Totals</b>			<b>2,850</b>	<b>227,419(1)</b>

(1) Excavation and subsequent backfill are paid as a unit, not bid quantity volume. Volumes based on TSI before dredge surveys.

**Table 2-6. Reported Unsuitable Excavation/Backfill**

AREA	PLAN QUANTITY, CY	REPORTED EXCAVATION, CY	VARIATION FROM PLAN EXCAVATION	REPORTED BACKFILL, CY	VARIATION FROM PLAN BACKFILL	SUM OF REPORTED EXCAVATION & BACKFILL, CY	VARIATION FROM PLAN EXCAV. & BACKFILL
I	95,252	84,226	-11,026	109,250	+13,998	193,476	102%
J	21,987	22,564	+577	49,512	+27,525	72,076	164%
K	28,036	44,234	+16,198	64,458	+36,422	108,692	194%
L	64,952	65,788	+836	115,158	+50,206	180,946	139%
M	12,304	12,662	+358	32,929	+20,625	45,591	185%
N	4,888	3,055	-1,833	12,664	+7,776	15,719	161%
<b>Totals</b>	<b>227,419 (1)</b>	<b>232,529</b>	<b>+5,110</b>	<b>383,971</b>	<b>+156,552</b>	<b>616,500</b>	<b>136%</b>

(1) Excavation and subsequent backfill are paid as a unit, not bid quantity volume. Volumes based on TSI before dredge surveys.



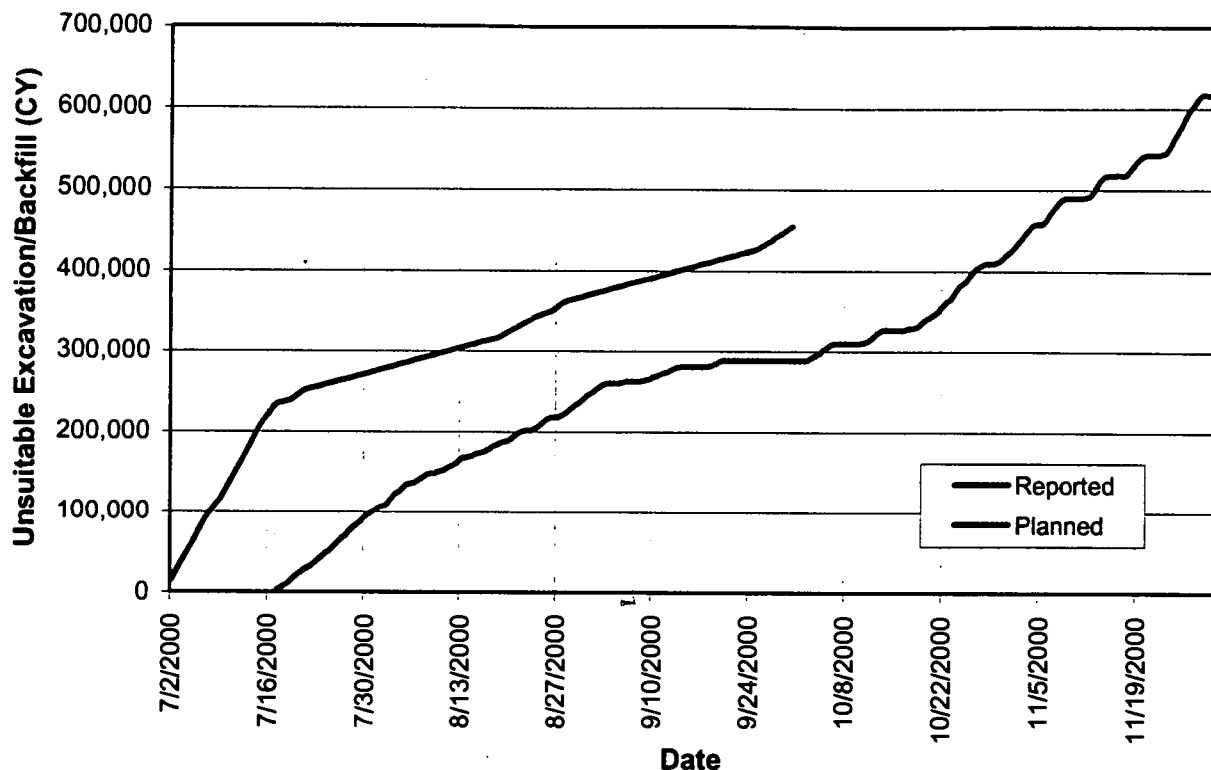


Figure 2-1. Planned and Reported Unsuitable Excavation/Backfill Production

### 2.3.1 Comments on Excavation/Backfill

The unsuitable excavation and backfill for areas A through L were completed on December 6, 2000. The production is generally consistent with the contractors planned schedule production. However, the contractor began almost 3 weeks after the planned start date. The total quantity of material excavated and backfilled is in excess of the planned quantity by approximately 160,000 cy. This excess is mostly reported to be in the backfill operation.

The reported quantities for excavation of unsuitable material is well within the expected percentage of the planned quantity at about 102% of the before dredge quantity. The reported quantities for backfill of unsuitable material is beyond the expected percentage of the planned quantity at about 169% of the before dredge quantity, 227,419 cy.

The material dredged for backfill came from Borrow Area H. Hydrographic surveys for Borrow Area H indicate that 269,000 cy was excavated. The quantity reported, 383,971 cy, is approximately 143% of the surveyed quantity. This discrepancy could be from over reporting by the contractor, unmeasured losses or survey inaccuracies.

**2.4 TOE DIKE**

The 11,319 ft of toe dike have a total bid quantity of 96,535 tons, comprising of 35,025 tons of quarry run stone and 61,510 tons of armor stone.

The contractor started placing the toe dike using the Skip Pan and Orange Peel Grapple method on October 4, 2000. The resulting placement rate was very slow and somewhat inaccurate. This possibly delayed sand placement activities by George & Lynch. The skip pan method was formally abandoned in November 2000.

The reported toe dike quantity represents a finished and shaped toe dike consisting of quarry run and armor stone. To date, toe dike production averaged 42 linear feet per calendar day, compared to a planned average production of 53 linear feet per calendar day.

Daily reported toe dike production is presented in Table 2-7. A plot of reported toe dike production is presented in Figure 2-2.

**Table 2-7.  
Analysis of Reported Toe Dike Production**

	<b>TOE DIKE LIN. FT</b>
Total required quantity	11,319
Planned rate (1)	53
Previous period (Sep 01)	
Reported	0
Rate	0
Current month (Oct 01)	
Reported	0
Rate	0
To date	
Reported	11,319
Rate	42
Percent complete	100%
Completion date	
Planned	02/21/2001
Rate used in projection	42
Actual date	08/14/2001

*(1) Rates are per calendar day using revised contractor schedule with a Run Date of June 6, 2000.*

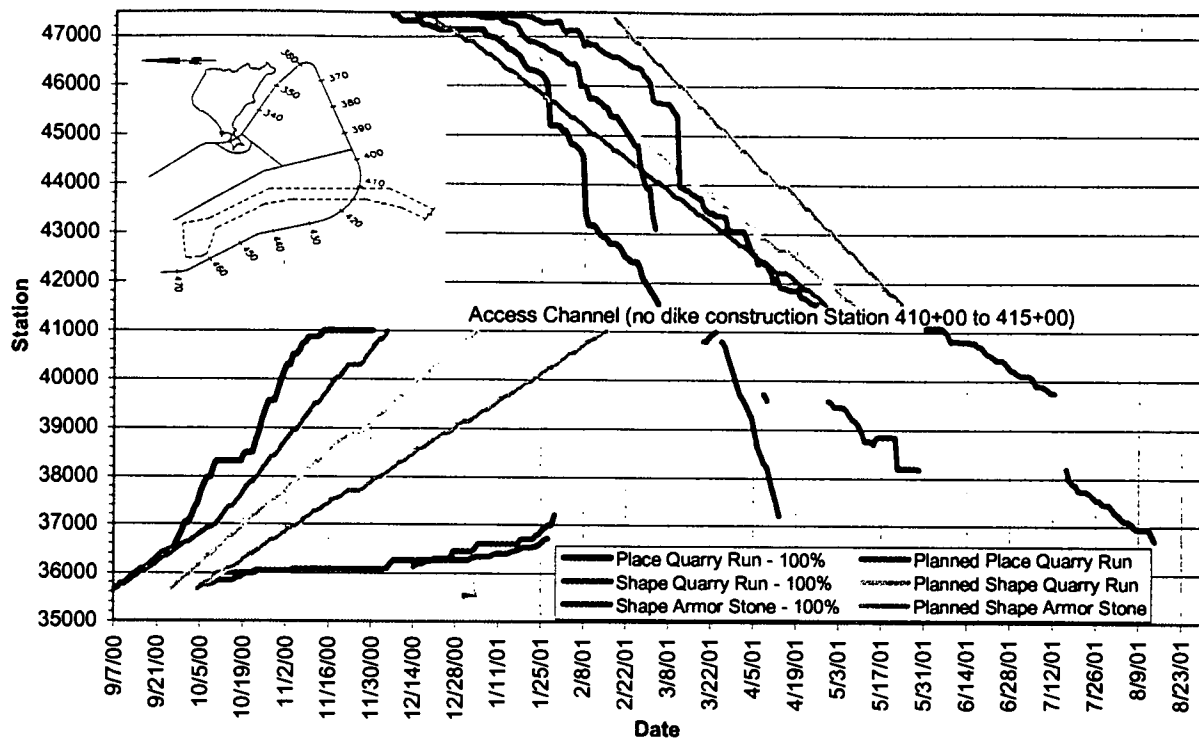


Figure 2-2. Planned and Reported Toe Dike Production

## 2.5 SAND STOCKPILE

A sand stockpile is required for the temporary storage of fill for the containment dikes and bird islands. Norfolk Dredging Company's 22-in. hydraulic dredge, Pullen, has accomplished this work by excavating material from the designated borrow areas. Borrow area characteristics and an analysis of volumes excavated are presented in Section 2.2.

### 2.5.1 Stockpile Characteristics

The sand stockpile is located in Cell 4. It is bounded by the eastern Perimeter Dike (the Phase 1 Connector Dike) and on the north by the Phase 1 Perimeter Dike for Cell 3. At the end of October 2000, the stockpile was confined on the West by the contractor-constructed dike built of 250# stone removed from portions of the Phase 1 Connector and South Dikes. This west side stone dike ties into the existing Phase 1 dike at about Station 520+00 and proceeds in a southerly direction for about 1,400 ft and then heads in a southeasterly direction toward Coaches Island for an additional distance of about 1,000 ft, leaving a gap of about 1,000 ft from the existing perimeter dike around Coaches Island. Material excavated from the borrow areas was discharged at the southeast corner of Cell 4. Also a pump, located near the personnel pier, is being used to dewater the stockpile area.

During November 2000, the contractor constructed a new confining sand dike from about the mid-point of the rock dike in an easterly direction for a distance of about 1,800 ft and tying into the existing easterly dike near Station 320+00 (see Attachment 4.1). This temporary dike

contains two approximately 22-inch pipes acting as a spillway at about the mid-point of the dike. The stockpile area now enclosed by this arrangement is approximately 65 acres.

### **2.5.2 Required Stockpile Volume**

The required volume for the stockpile is based on the required dike fill (including bird islands). The bid quantity is 1,849,550 cy. Also included in the stockpile quantity, is the volume of sand required to backfill unsuitable areas. The bid quantity for the unsuitable backfill is 220,100 cy, but 227,419 cy was Tidewater's before dredge survey quantity. The total required volume is thus 2,076,969 cy plus an allowance for losses in placement of the stockpile and in recovery, transport and placement in the required fill areas. An analysis of the required stockpile volume is given in Table 2-8.

**Table 2-8. Analysis of Required Stockpile Volume**

<b>FILL AREA</b>	<b>TEMPLATE NEAT VOLUME (CY)</b>	<b>LOSSES/NON-PAY ESTIMATE (CY)</b>	<b>TOTAL SAND REQUIRED ESTIMATE (CY)</b>
Hydraulic fill	1,900,000	475,000 (1)	2,375,000
Lost at stockpile		160,000 (3)	160,000
Unsuitable backfill	227,500 (2)	33,000	260,500
<b>Total estimated</b>	-	-	<b>2,795,500</b>

Source: GBA 2000

(1) Losses and non-pay volumes estimated at 25% of neat template.

(2) The bid quantity of 220,100 cy, is replaced by 227,500 cy, which is TSI before dredge quantity.

(3) Losses at stockpile (unrecoverable sand) estimated at 1.5 ft over the area.

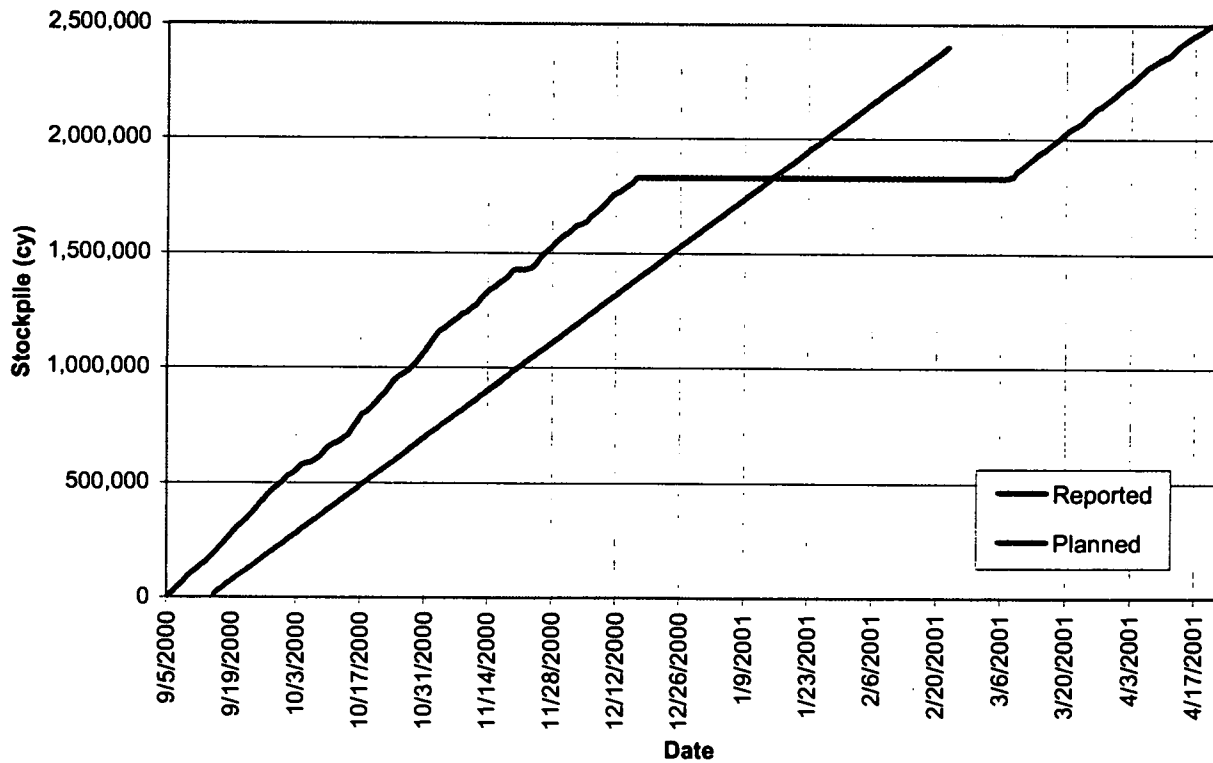
### **2.5.3 Reported Stockpile Volume**

The reported volume dredged from the borrow areas for the period September 5 – April 20, 2001 is 2,499,000 cy. Stockpile production averaged 17,001 cy per calendar day compared to a planned average production of 14,894 cy per calendar day. Daily dredge production is presented in Table 2-9. Norfolk Dredging completed the stockpile on April 20, 2001. A plot of reported stockpile production is presented in Figure 2-3.

**Table 2-9  
Analysis of Reported Stockpile Production**

	STOCKPILE CY (2)
Total required quantity	2,400,000
Planned rate (1)	14,894
Previous period (Sep 01)	
Reported	0
Rate	0
Current month (Oct 01)	
Reported	0
Rate	0
To date	
Reported	2,499,000
Rate	17,001
Percent complete	104%
Completion date	
Planned	03/21/2001
Rate used in projection	17,001
Actual	04/20/2001

- (1) Rates are per calendar day using revised contractor schedule with a Run Date of June 6, 2000.  
 (2) TSI estimate of required quantity and rate.



**Figure 2-3. Reported Cumulative Stockpile Production**

**2.5.4 Stockpile Issues**

After the initial phase of stockpile development the contractor elected to construct a confined stockpile with a pipe spillway. This arrangement will tend to trap more fine materials than the unconfined stockpile used in Phase 1. The contractor also discharged an estimated 233,000 cy of unsuitable excavation into the westerly portions of the stockpile. These fine-grained materials will not be suitable for dike fill. A description on how the stockpile area will be returned to the original bottom is not clear. The development of the stockpile is illustrated in the aerial photographs in Attachments 4.1.

**2.6 DIKE FILL MATERIAL**

The 19,800 ft of perimeter, longitudinal and wetland dike have a total bid quantity of 1,849,550 cy. The fill quantity was increased by 30,737 cy due to the dike realignment around Coach's Island. These changes increase the length of dike to 21,823 ft.

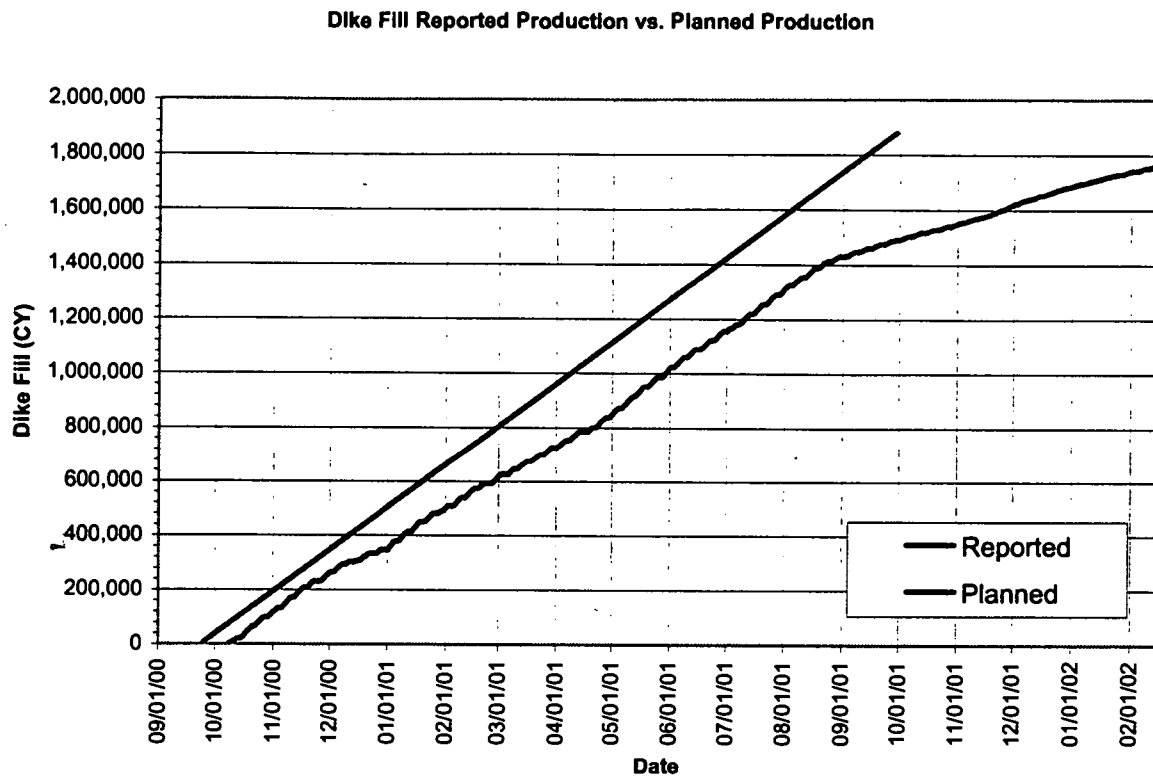
Dike fill is excavated from a sand stockpile and hauled to the fill areas. During the period October 9, 2000 to February 17, 2002, dike fill volume of 1,809,172 cy was reported. This represents 96% of the bid dike volume and an average daily production of 3,486 cy per calendar day. Dike sections are not being built to full template. Daily reported dike fill production is presented in Table 2-10. A plot of reported dike fill production is presented in Figure 2-4.

**Table 2-10. Analysis of Reported Dike Fill Production**

	<b>DIKE FILL CY</b>	<b>DIKE SECTION LIN. FT (2)</b>
Total required quantity	1,880,287	21,823
Planned rate (1)	5,085	60
Previous period (Oct 01)		
Reported	59,040	727
Rate	1,905	91
Current period (Feb 02)		
Reported	208,171	2,416
Rate	2,002	23
To date		
Reported	1,809,172	21,823
Rate	3,846	54
Percent complete	96%	100%
Completion date		
Planned	09/29/2001 (2)	09/29/2001 (2)
Rate used in projection	3,486	N/A
Completed date	02/12/2002	02/12/2002

(1) Rates are per calendar day using revised contractor schedule with a Run Date of June 6, 2000.

(2) Includes increased quantity for Coaches Island Realignment.



**Figure 2-4. Planned and Reported Dike Fill Production**

**2.7 DIKE ARMOR**

The 11,319 ft of Armor Stone Dike is comprised of 104,730 tons of 3000 lb armor stone, 63,250 tons of 250 lb underlayer stone and 64,951 tons of bedding stone.

The reported armor stone dike quantity represents a finished and shaped dike consisting of slope armor stone, underlayer stone and bedding stone. To date, slope stone dike production averaged 49 linear feet per calendar day, compared to a planned average production of 38 linear feet per calendar day. During the period May 30, 2001 – February 17, 2002, the reported slope dike quantity was 10,040 linear feet, which represents 89% of the bid quantity.

Production is slowed due to mechanical breakdown in the two grapplers being used to place the 3000 lb armor stone. This is initially slowing down production, but looks to improve when mechanical issues are resolved.

Daily reported slope dike production is presented in Table 2-11. A plot of reported slope dike production is presented in Figure 2-5.

**Table 2-11.  
Analysis of Reported Slope Dike Production**

	<b>SLOPE ARMOR STONE LIN. FT</b>	<b>UNDERLAYER STONE LIN. FT</b>
Total required quantity	11,319	11,944
Planned rate (1)	38	55
Previous period (Oct 01)		
Reported	1,885	760
Rate	42	33
Current period (Feb 02)		
Reported	3,035	--
Rate	56	--
To date		
Reported	10,040	11,944
Rate	49	56
Percent complete	89%	100%
Completion date		
Planned	11/23/2001	10/30/2001
Rate used in projection	49	56
Completed date	01/26/2002	10/23/2001

(1) Rates are per calendar day using revised contractor schedule with a Run Date of June 6, 2000.



Slope Dike Production vs. Planned Production

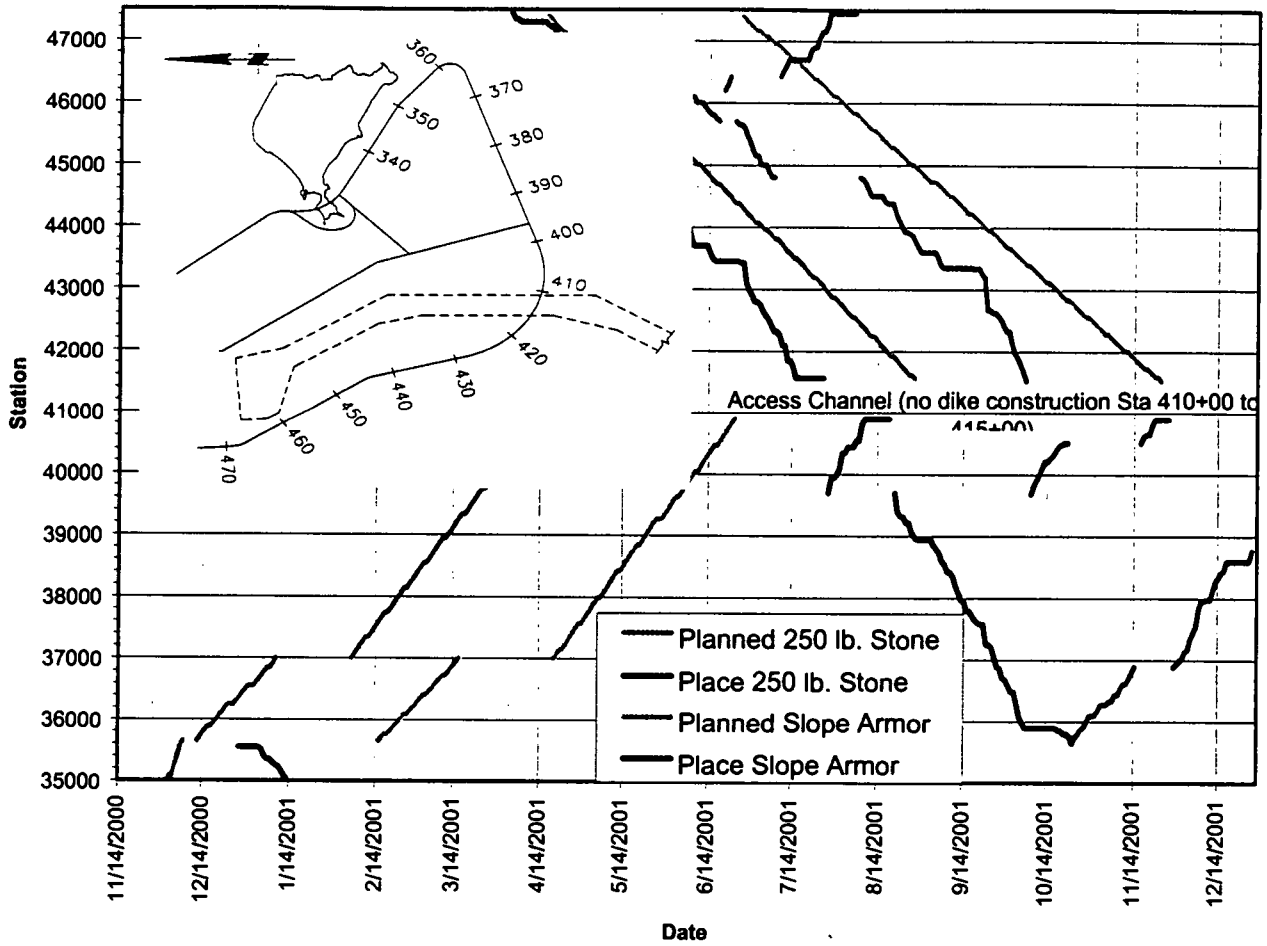


Figure 2-5. Planned and Reported Slope Armor Dike Production

## 2.8 CONTRACTOR PAYMENTS AND ESCROW WITHDRAWALS

To date, CENAB has made 24 partial payments to the contractor, as summarized in Table 2-12 and Figure 2-6.

**Table 2-12. Summary of Contractor Payments**

PAYMENT No.	PERIOD ENDING	TOTAL CONTRACT (1)	CONTRACTOR ESTIMATE	USACE PAYMENT (2)	% OF TOTAL CONTRACT	ESCROW WITHDRAWAL
1	May 15, 2000	\$37,592,000	\$178,700	\$178,700	0.5%	\$44,675
2	Jul 31, 2000	\$37,592,000	\$5,050,610	\$2,915,050	7.8%	\$728,763
3	Aug 31, 2000	\$37,600,383	\$4,675,906	\$4,517,887	12.0%	\$1,129,472
4	Sep 30, 2000	\$37,600,383	\$7,362,199	\$5,606,673	14.9%	\$1,401,668
5	Oct 31, 2000	\$37,648,174	\$8,031,937	\$7,779,590	20.7%	\$1,764,897
6	Nov 30, 2000	\$37,820,849	\$10,918,134	\$10,677,431	28.2%	\$2,489,358
7	Dec 31, 2000	\$38,069,015	\$13,888,735	\$12,744,039	33.5%	\$3,096,010
8	Jan 26, 2001	\$38,069,015	\$14,886,793	\$13,208,771	34.7%	\$3,212,193
9	Feb 26, 2001	\$38,069,015	\$16,012,096	\$15,638,158	41.1%	\$3,819,539
10	Mar 26, 2001	\$38,195,715	\$18,934,638	\$17,697,735	46.3%	\$4,334,434
11	Apr 26, 2001	\$38,195,715	\$20,161,767	\$19,769,292	51.8%	\$4,717,323
12	May 31, 2001	\$38,864,092	\$23,252,237	\$22,638,175	58.2%	\$5,623,104
13	Jun 30, 2001	\$38,909,092	\$24,698,095	\$25,146,731	64.6%	\$7,007,915
14	Jul 31, 2001	\$39,007,474	\$29,178,168	\$27,863,662	71.4%	\$7,751,146
15	Aug 31, 2001	\$39,122,613	\$30,868,567	\$29,743,245	76.0%	\$8,211,413
16	Sep 30, 2001	\$39,336,118	\$32,787,359	\$31,366,736	79.7%	\$8,617,286
17	Oct 31, 2001	\$39,336,118	\$34,429,300	\$32,927,583	83.7%	\$10,141,498
18	Nov 30, 2001	\$39,336,118	\$35,578,346	\$34,716,299	88.3%	\$10,588,677
19	Dec 31, 2001	\$40,125,752	\$38,044,752	\$37,604,749	93.7%	\$11,310,790
20	Jan 31, 2002	\$40,300,127	\$40,246,977	\$40,225,726	99.8%	\$12,146,034
21	---	\$40,300,127	\$40,777,351	\$40,777,351	101.2%	\$12,484,940
22	---	\$40,463,657	\$40,940,881	\$40,940,881	101.2%	\$12,484,940
23	---	\$40,463,657	\$41,040,881	\$41,040,881		\$12,584,940
24	---	\$40,463,657	\$41,131,205	\$41,131,205		\$12,607,521

(1) Includes Modifications, but does not include under/overruns. Total earned is estimated at \$41,131,205.

(2) All retainage has been refunded to the contractor.

Details are presented in the tables in Attachment 4.9.

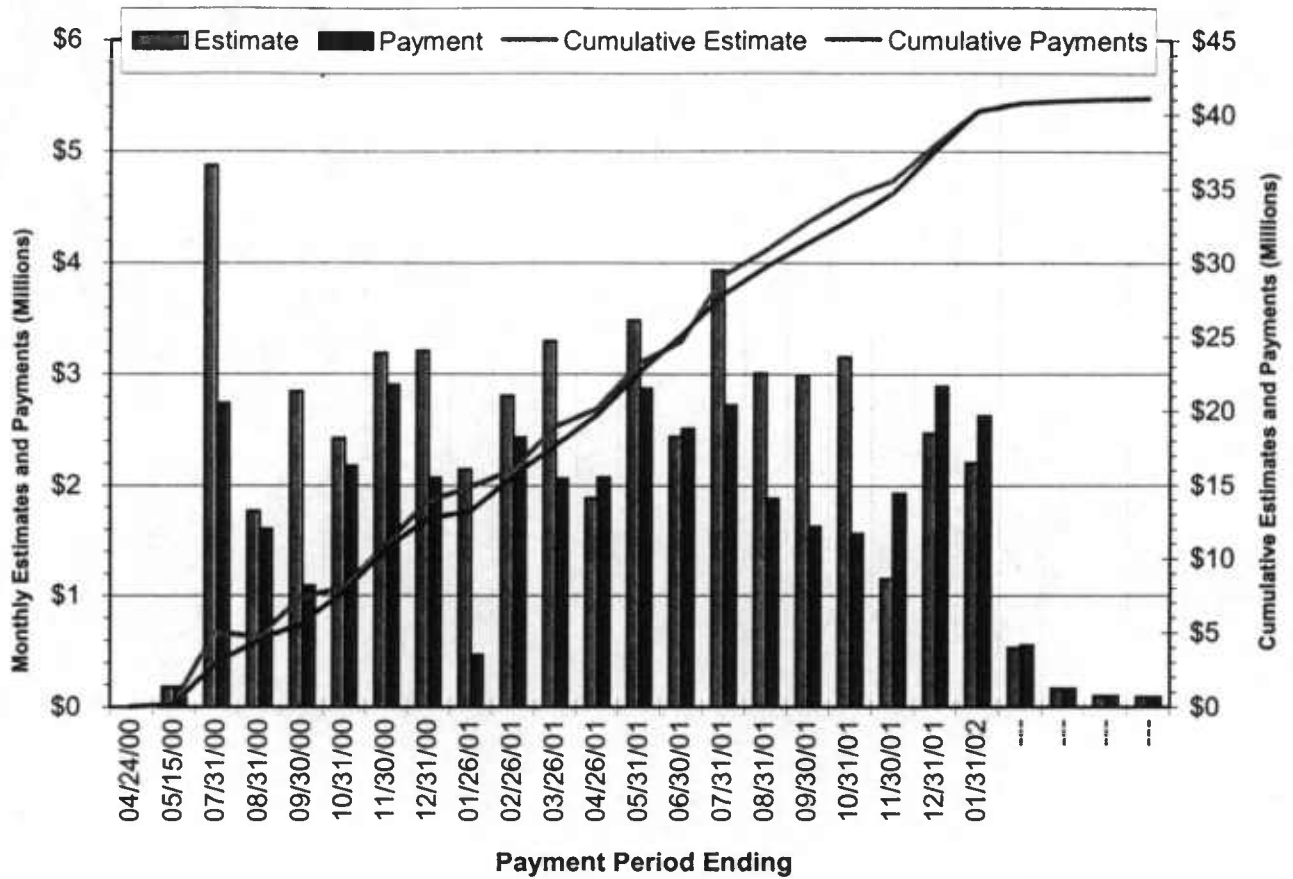


Figure 2-6. Contractor Estimate and USACE Payment Comparison

## 2.9 QUALITY CONTROL AND SURVEY DATA

Project completion was delayed for several reasons related to quality control. Surveys were typically not sufficient to keep up with the progress of work and TSI continued to go back to various stations for repair and survey of work that was beyond tolerances.

Advanced placement of dike fill without armor stone protection continued to be a problem. The dike fill had proceeded up to 2,000 feet beyond where the rock protection had been placed. This exposed sand had drifted down to the toe dike quarry run and had to be removed prior to completion of the armor stone placement. Furthermore, the armor stone was found to be out of template in several areas on the inside of the dike. These irregularities caused TSI production and QC to slow down on the South dike. As a result, the project was delayed over two months.

**2.10 CONTRACT CHANGES**

As of May 22, 2002, forty-three change orders have been requested. Out of the forty-three change orders, approximately twenty-four were approved (not including mods to increase obligations). The status of these changes, notices and proposals are summarized and described in the table below. Modifications to increase obligations to the contract are not included below.

**Table 2-13. Summary of Contract Changes and Notices**

MOD. NO.	CO#	DESCRIPTION	STATUS
P00003	AA	Benchmark Monuments	Completed
P00016	AB	Underwater Electric	Completed
P00005	AC	Dredge Personnel Pier Basin	Completed
P00011	AD	Modify Type A Spillways	Completed
P00008	AD1	Add Gate Valves to Spillway	Completed
	AE	Construct 3 cross-dikes	Deleted from contract
	AF	Well Modification	Deleted from contract
	AG	Telephone Line	Deleted from contract
	AH	Construct Dikes to +20	Price not conducive to COE plans
	AI	Eagle Impact	COE price analysis
P00009	AJ	Settlement Pads	Completed
P00021	AK	Realign Dike Around Coaches Island	Completed
P00019	AL	Revised Seeding Plan	Executed
P00012	AM	Add Aerial Photos for Phase 1	Completed
P00013		Fishnet restriction lifted	Executed
P00022		Indian Incentive	Executed
P00025	AN1	Valve Purchase	Executed
P00026		Indian Incentive	Executed
P00028	AN	Spillway Modifications	Executed
P00018	AO	Bedding Stone	Executed
P00024	AP	Channel Crossing	Executed
	AQ	Stockpile	Negotiated
P00031	AR	Utility Changes	Executed
	AS	Pier Extension	By others
P00037	AT	Weather	Executed
P00032	AU	Habitat Islands Relocation	Executed
	AV	Cell 6 Slope Stone	Stone removed by TSI
	AX	Spillway Relocation	By others
	AY	Phase I Roadway	By others
P00033		Eagle Impact (Time only)	Executed
P00036		Telephone System	Executed
P00039	AI	Eagle Impact (Part II)	Executed
P00040		Miscellaneous Changes	Executed
P00042		Extend Warranty (Submerged Cable)	Executed

## **2.11 DEFICIENCY REPORTS**

On September 19, 2001 Letter No. 148, a project deficiencies list was issued to TSI by CENAB. The letter was in reference to a meeting held on September 11, 2001. The cover letter stated that TSI would present their comments and plans to correct any and all deficiencies noted. A weekly deficiency meeting between TSI and CENAB was established to discuss the repair of all deficiencies. These meetings were held through project completion. Lists of deficient items were generated and used as "punch lists" to confirm and check off tasks as they were completed.

### 3.0 REFERENCES

E2Si (2000). "*Poplar Island Restoration Project - Borrow Area Memo*". Prepared for Maryland Port Administration, by Earth Sciences & Engineering, Inc.

GBA (2000). "*Memorandum on Exhaustion of Phase 2 Borrow Areas*". Prepared for Maryland Port Administration, by Gahagan & Bryant Associates, Inc., November 29, 2000, revised January 5, 2001.

GBA & M&N (1996a). "*Poplar Island Restoration Project - Alternative Site Layouts*". Prepared for Maryland Port Administration, by Gahagan & Bryant Associates, Inc., and Moffatt & Nichol Engineers.

GBA & M&N (1996b). "*Plans & Specifications for the Poplar Island Restoration Project*". Prepared for Maryland Port Administration, by Gahagan & Bryant Associates, Inc., and Moffatt & Nichol Engineers.

SOM (1991). "*Dredge Materials Needs, Placement and Operations Plan (DNPOP)*". Prepared by the State of Maryland.

## **4.0 ATTACHMENTS**

Details of the assumptions and analysis in this report are presented in the following attachments.

- 4.1 Site Layout With Aerial Photo Mosaic
- 4.2 Site Layout Showing Reported Construction Progress
- 4.3 Construction Progress Photos
- 4.4 Planned and Reported Production for Unsuitable Excavation/Backfill
- 4.5 Planned and Reported Production for Toe Dike
- 4.6 Planned and Reported Production for Sand Stockpile
- 4.7 Planned and Reported Production for Dike Fill
- 4.8 Planned and Reported Production for Dike Slope
- 4.9 Contractor Payment Tables
- 4.10 GBA Estimated Percent Completion of Work
- 4.11 Contractor's Initial Schedule (6-6-00)
- 4.12 Contractor's Updated Schedule (11-30-00)

#### **4.1 Site Layout With Aerial Photo Mosaic**





SPILLWAY DATA - PHASE 1

No.	TYPE	LOCATION
1	B	STA. 165+00
2	A	STA. 189+00
3	C	STA. 940+00
4	A	STA. 220+00
5	A	STA. 242+00
6	A	STA. 260+00
7	C	STA. 984+00
8	A	STA. 1108+00

SPILLWAY DATA - PHASE 2

NO.	TYPE	LOCATION
9	A	STA. 304+00
10	B	STA. 1216+00
11	A	STA. 318+00
12	A	STA. 1308+00
13	A	STA. 335+00
14	B	STA. 1245+00
15	A	STA. 362+30

NOTES:

TYPE 'A' SPILLWAY: 2-96 INCH HALF-ROUND CMP RISERS WITH 2-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 FT.  
 TYPE 'B' SPILLWAY: 24 FT X 8 FT BOX WEIR WITH 2-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 & 5 FT.  
 TYPE 'C' SPILLWAY: 24 FT X 8 FT BOX WEIR WITH 4-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 & 5 FT.

CELL SURFACE AREAS

CELL NUMBER	TYPE OF CELL	APPROXIMATE SURFACE AREA (ACRES)
1	WETLAND	169
2	UPLAND	326
3	WETLAND	111
30	WETLAND	31
4	WETLAND	97
5	WETLAND	156
6	UPLAND	243
TOTAL ACRES		1133

UNSUITABLE EXCAVATION

UNSUITABLE AREA	UNSUITABLE MATERIAL VOLUME (CY)
AREA I	95,252
AREA J	21,987
AREA K	28,036
AREA L	64,952
AREA M	12,304
AREA N	4,888
TOTAL VOLUME	227,419

PHOTO TAKEN MARCH 2, 2002

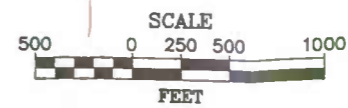
REV	DATE	DESCRIPTION	BY

MARYLAND PORT ADMINISTRATION  
BALTIMORE, MARYLAND

POPLAR ISLAND

**AERIAL PROGRESS  
ENDING FEB 28, 2002**

DATE: JUN 2001 SCALE: 1"=1000'	CONTRACT No.	SHEET No. 01
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SPILLWAY DATA - PHASE 1

No.	TYPE	LOCATION
1	B	STA. 165+00
2	A	STA. 189+00
3	C	STA. 940+00
4	A	STA. 220+00
5	A	STA. 242+00
6	A	STA. 280+00
7	C	STA. 984+00
8	A	STA. 1108+00

SPILLWAY DATA - PHASE 2

NO.	TYPE	LOCATION
9	A	STA. 304+00
10	B	STA. 1218+00
11	A	STA. 318+00
12	A	STA. 1308+00
13	A	STA. 335+00
14	B	STA. 1245+00
15	A	STA. 362+30

NOTES:

TYPE 'A' SPILLWAY: 2-96 INCH HALF-ROUNO CMP RISERS WITH 2-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 FT.

TYPE 'B' SPILLWAY: 24 FT X 8 FT BOX WEIR WITH 2-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 & 5 FT.

TYPE 'C' SPILLWAY: 24 FT X 8 FT BOX WEIR WITH 4-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 & 5 FT.

CELL SURFACE AREAS

CELL NUMBER	TYPE OF CELL	APPROXIMATE SURFACE AREA (ACRES)
1	WETLAND	169
2	UPLAND	326
3	WETLAND	111
3D	WETLAND	31
4	WETLAND	97
5	WETLAND	156
6	UPLAND	243
TOTAL ACRES		1133

UNSUITABLE EXCAVATION

UNSUITABLE AREA	UNSUITABLE MATERIAL VOLUME (CY)
AREA I	95,252
AREA J	21,987
AREA K	28,036
AREA L	64,952
AREA M	12,304
AREA N	4,888
TOTAL VOLUME	227,419

PHASE II BORROW AREA (TYP)

PHOTO TAKEN DECEMBER 4, 2001

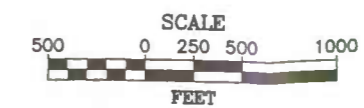
REV	DATE	DESCRIPTION	BY

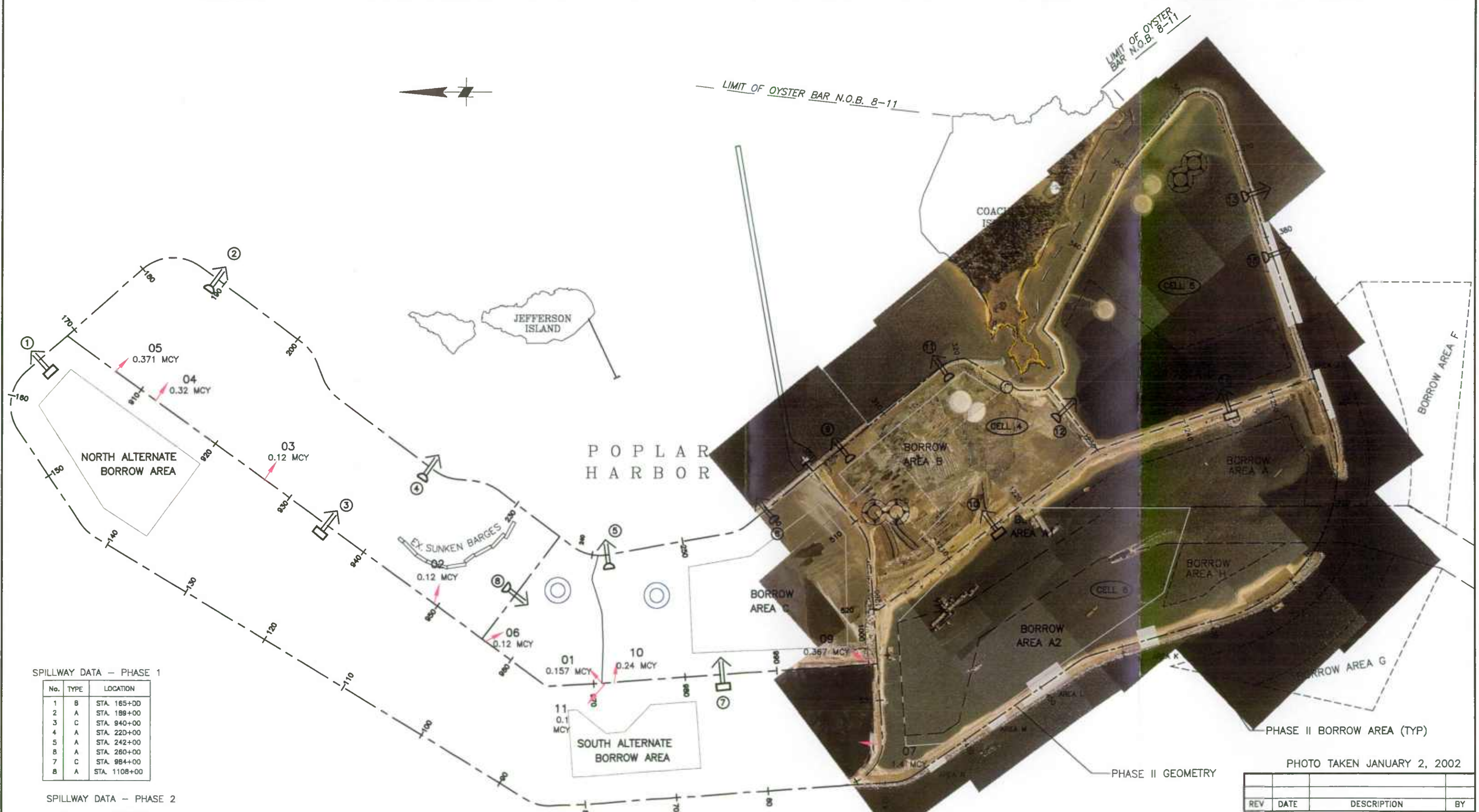
MARYLAND PORT ADMINISTRATION  
BALTIMORE, MARYLAND

POPLAR ISLAND

AERIAL PROGRESS  
ENDING NOV 30, 2001

DATE: JUN 2001	CONTRACT No.	SHEET No. 01
SCALE: 1"=1000'		





SPILLWAY DATA - PHASE 1

No.	TYPE	LOCATION
1	B	STA. 165+00
2	A	STA. 189+00
3	C	STA. 940+00
4	A	STA. 220+00
5	A	STA. 242+00
8	A	STA. 260+00
7	C	STA. 984+00
8	A	STA. 1108+00

SPILLWAY DATA - PHASE 2

NO.	TYPE	LOCATION
9	A	STA. 304+00
10	B	STA. 1216+00
11	A	STA. 318+00
12	A	STA. 1308+00
13	A	STA. 335+00
14	B	STA. 1245+00
15	A	STA. 362+30

NOTES:  
 TYPE 'A' SPILLWAY: 2-96 INCH HALF-ROUND CMP RISERS WITH 2-36 INCH DUTFALL PIPES. INVERT ELEVATION : 0.5 FT.  
 TYPE 'B' SPILLWAY: 24 FT X 8 FT BOX WEIR WITH 2-36 INCH DUTFALL PIPES. INVERT ELEVATION : 0.5 & 5 FT.  
 TYPE 'C' SPILLWAY: 24 FT X 8 FT BOX WEIR WITH 4-36 INCH DUTFALL PIPES. INVERT ELEVATION : 0.5 & 5 FT.

CELL SURFACE AREAS

CELL NUMBER	TYPE OF CELL	APPROXIMATE SURFACE AREA (ACRES)
1	WETLAND	169
2	UPLAND	326
3	WETLAND	104
3D	WETLAND	31
4	WETLAND	97
5	WETLAND	156
6	UPLAND	243
TOTAL ACRES		1142

UNSUITABLE EXCAVATION

UNSUITABLE AREA	UNSUITABLE MATERIAL VOLUME (CY)
AREA I	95,252
AREA J	21,987
AREA K	28,036
AREA L	64,952
AREA M	12,304
AREA N	4,888
TOTAL VOLUME	227,419

PHOTO TAKEN JANUARY 2, 2002

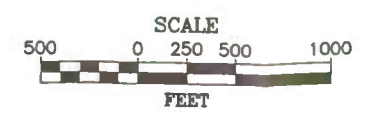
REV	DATE	DESCRIPTION	BY

MARYLAND PORT ADMINISTRATION  
BALTIMORE, MARYLAND

POPLAR ISLAND

AERIAL PROGRESS  
ENDING DEC 31, 2001

DATE: JUN 2001	CONTRACT No.	SHEET No. 01
SCALE: 1"=1000'		



## **4.2 Site Layout Showing Reported Construction Progress**



**SPILLWAY DATA - PHASE 2**

NO.	TYPE	LOCATION
9	A	STA. 304+00
10	B	STA. 1216+00
11	A	STA. 318+00
12	A	STA. 1306+00 (DELETED)
13	A	STA. 375+00
14	B	STA. 1245+00
15	A	STA. 382+30

**NOTES:**  
 TYPE 'A' SPILLWAY: 2-96 INCH HALF-ROUND CMP RISERS WITH 2-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 FT.  
 TYPE 'B' SPILLWAY: 24 FT X 8 FT BOX WEIR WITH 2-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 & 5 FT.  
 TYPE 'C' SPILLWAY: 24 FT X 8 FT BOX WEIR WITH 4-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 & 5 FT.

**CELL SURFACE AREAS**

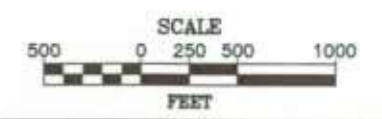
CELL NUMBER	TYPE OF CELL	APPROXIMATE SURFACE AREA (ACRES)
1	WETLAND	189
2	UPLAND	326
3	WETLAND	111
3D	WETLAND	31
4	WETLAND	97
5	WETLAND	156
6	UPLAND	243
<b>TOTAL ACRES</b>		<b>1133</b>

**UNSUITABLE EXCAVATION**

UNSUITABLE AREA	UNSUITABLE MATERIAL VOLUME (CY)
AREA I	95,252
AREA J	21,987
AREA K	28,036
AREA L	64,952
AREA M	12,304
AREA N	4,888
<b>TOTAL VOLUME</b>	<b>227,419</b>

**LEGEND**

- █ UNSUITABLE BACK-FILLED (COMPLETED)
- █ DIKE FILL MATERIAL
- █ TOE QUARRY RUN (SHAPED)
- █ SLOPE ARMOR STONE
- █ SLOPE UNDER LAYER
- █ TOE ARMOR (SHAPED)
- █ STOCKPILE



REV	DATE	DESCRIPTION	BY
<b>MARYLAND PORT ADMINISTRATION BALTIMORE, MARYLAND</b>			
<b>POPLAR ISLAND</b>			
<b>CONSTRUCTION PROGRESS ENDING October 31, 2001</b>			
DATE: Oct. 31, 01		CONTRACT No.	SHEET No. 01
SCALE: 1"=1000'			



**SPILLWAY DATA - PHASE 2**

NO.	TYPE	LOCATION
9	A	STA. 304+00
10	B	STA. 1218+00
11	A	STA. 318+00
12	A	STA. 1308+00 (DELETED)
13	A	STA. 375+00
14	B	STA. 1245+00
15	A	STA. 382+30

**NOTES:**

TYPE 'A' SPILLWAY: 2-96 INCH HALF-ROUND CMP RISERS WITH 2-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 FT.  
 TYPE 'B' SPILLWAY: 24 FT X 8 FT BOX WEIR WITH 2-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 & 5 FT.  
 TYPE 'C' SPILLWAY: 24 FT X 8 FT BOX WEIR WITH 4-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 & 5 FT.

**CELL SURFACE AREAS**

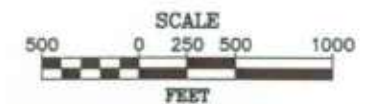
CELL NUMBER	TYPE OF CELL	APPROXIMATE SURFACE AREA (ACRES)
1	WETLAND	189
2	UPLAND	326
3	WETLAND	111
3D	WETLAND	31
4	WETLAND	97
5	WETLAND	196
6	UPLAND	243
TOTAL ACRES		1133

**UNSUITABLE EXCAVATION**

UNSUITABLE AREA	UNSUITABLE MATERIAL VOLUME (CY)
AREA I	95,252
AREA J	21,967
AREA K	26,036
AREA L	64,952
AREA M	12,304
AREA N	4,888
TOTAL VOLUME	227,419

**LEGEND**

- █ UNSUITABLE BACK-FILLED (COMPLETED)
- █ DIKE FILL MATERIAL
- █ TOE QUARRY RUN (SHAPED)
- █ SLOPE ARMOR STONE
- █ SLOPE UNDER LAYER
- █ TOE ARMOR (SHAPED)
- █ STOCKPILE



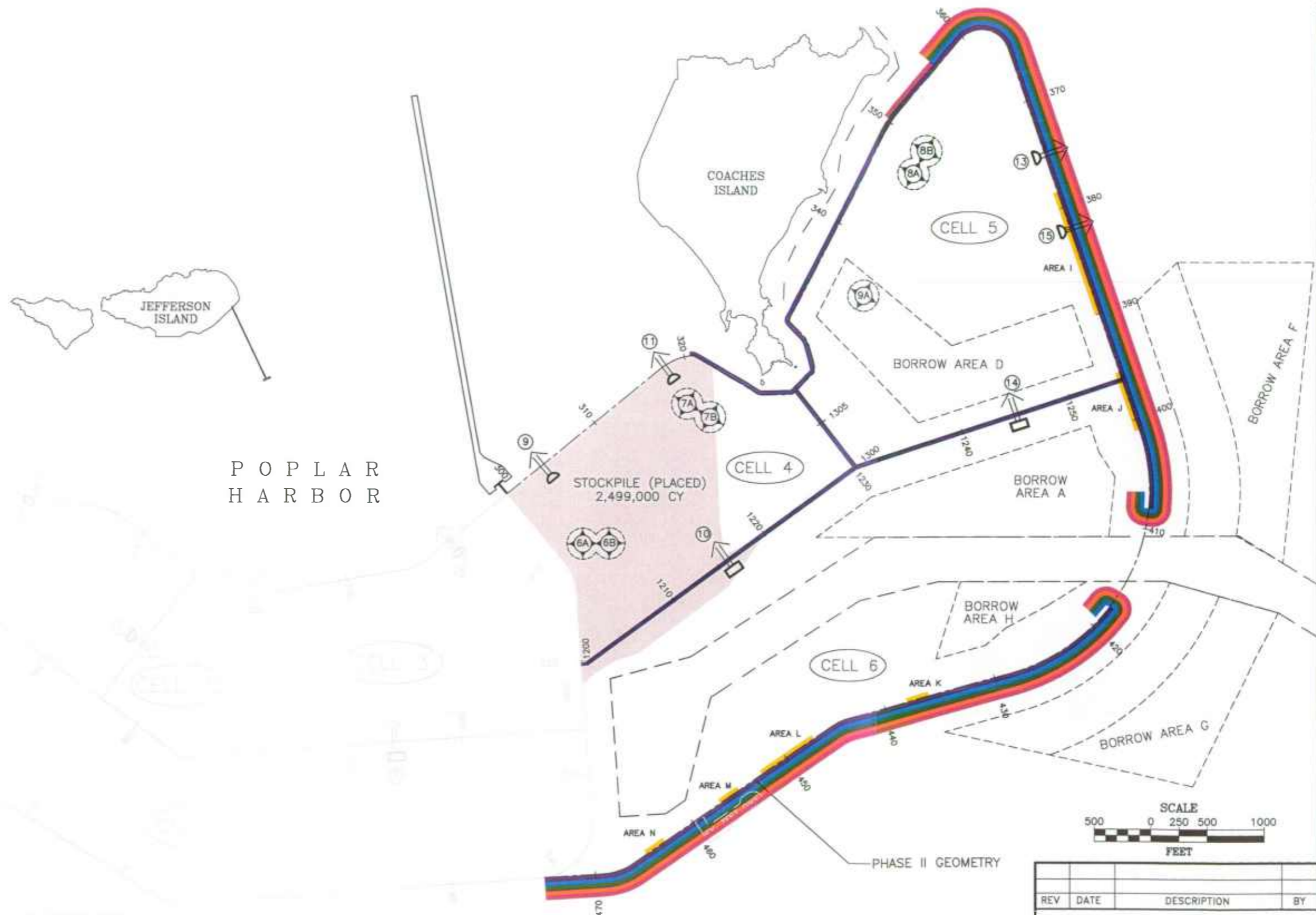
REV	DATE	DESCRIPTION	BY

MARYLAND PORT ADMINISTRATION  
BALTIMORE, MARYLAND

POPLAR ISLAND

**CONSTRUCTION PROGRESS**  
ENDING November 30, 2001

DATE: Nov. 30, 01      CONTRACT No.      SHEET No. 01  
SCALE: 1"=1000'



POPLAR  
HARBOR

SPILLWAY DATA - PHASE 2

NO.	TYPE	LOCATION
9	A	STA. 304+00
10	B	STA. 1216+00
11	A	STA. 318+00
12	A	STA. 1308+00 (DELETED)
13	A	STA. 375+00
14	B	STA. 1245+00
15	A	STA. 382+30

NOTES:

TYPE 'A' SPILLWAY: 2-96 INCH HALF-ROUND CMP RISERS WITH 2-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 FT.

TYPE 'B' SPILLWAY: 24 FT X 8 FT BOX WEIR WITH 2-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 & 5 FT.

TYPE 'C' SPILLWAY: 24 FT X 8 FT BOX WEIR WITH 4-36 INCH OUTFALL PIPES. INVERT ELEVATION : 0.5 & 5 FT.

CELL SURFACE AREAS

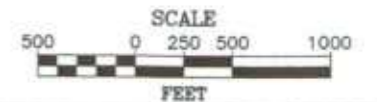
CELL NUMBER	TYPE OF CELL	APPROXIMATE SURFACE AREA (ACRES)
1	WETLAND	169
2	UPLAND	326
3	WETLAND	111
3D	WETLAND	31
4	WETLAND	97
5	WETLAND	156
6	UPLAND	243
TOTAL ACRES		1133

UNSUITABLE EXCAVATION

UNSUITABLE AREA	UNSUITABLE MATERIAL VOLUME (CY)
AREA I	95,252
AREA J	21,987
AREA K	28,036
AREA L	84,952
AREA M	12,304
AREA N	4,888
TOTAL VOLUME	227,419

LEGEND

- █ UNSUITABLE BACK-FILLED (COMPLETED)
- █ DIKE FILL MATERIAL
- █ TOE QUARRY RUN (SHAPED)
- █ SLOPE ARMOR STONE
- █ SLOPE UNDER LAYER
- █ TOE ARMOR (SHAPED)
- █ STOCKPILE



REV	DATE	DESCRIPTION	BY

MARYLAND PORT ADMINISTRATION  
BALTIMORE, MARYLAND

POPLAR ISLAND

CONSTRUCTION PROGRESS  
ENDING December 31, 2001

DATE: Dec. 31, 01	CONTRACT No.	SHEET No. 01
SCALE: 1"=1000'		

### 4.3 Construction Progress Photos





**Spillway Installation – Cell 5  
December 2001**



**Spillway Installation – Cell 5  
December 2001**



**Completed Slope Stone and Roadway - West Cell 6  
December 2001**



**Completed Slope Stone and Roadway - West Cell 6  
December 2001**



**Tidewater Placing Slope Stone on South Dike  
December 2001**



**Completed Slope Stone and Roadway - East Cell 6  
December 2001**



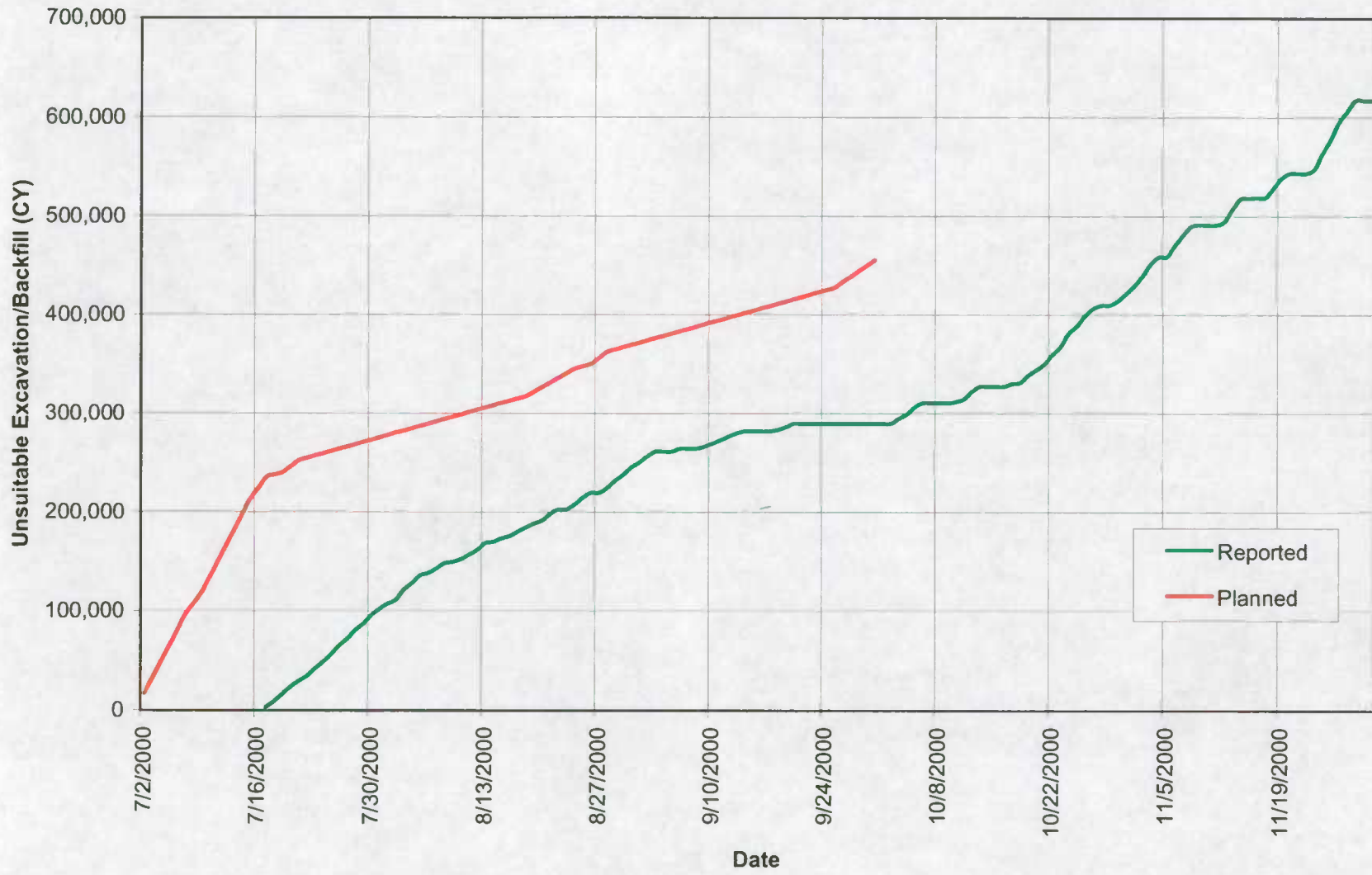
**George and Lynch Grading Dike Fill SW Cell 6  
December 2001**



**George and Lynch Grading Dike Fill SW Cell 6  
December 2001**

**4.4 Planned and Reported Production for Unsuitable  
Excavation/Backfill**

# Unsuitable Excavation/Backfill Reported Production vs. Planned Production



Poplar Island Restoration Project - Phase II  
 Cottrell Contracting Corporation - Unsuitable Excavation and Backfill - 16-in. Dredge Richmond

Contractor Reported Values														
Tidewater Report #	Cottrell Report #	Date	Cut	Begin Station	End Station	Linear Feet	Cumulative Linear Feet	Cut Depth Feet	Excavation CY	Cumulative Exc. CY	Disposing Unsuit. / Backfill Source	Backfill CY	Cumulative Backfill CY	Total Cum. CY
82		15-Jul-00	Cottrell Contracting Corporation mobilizes to site.											
83		16-Jul-00												
84	1	17-Jul-00	J	40100	40000	100	100	-11	2,385	2,385	Cell 4	0	0	2,385
85	2	18-Jul-00	J	40100	39875	225	325	-11 & -15	5,881	8,266	Cell 4	0	0	8,266
86	3	19-Jul-00	J	39875	39700	175	500	-11 & -15	6,852	15,118	Cell 4	0	0	15,118
87	4	20-Jul-00	J	39700	39550	150	650	-15	7,446	22,564	Cell 4	0	0	22,564
88	5	21-Jul-00	I	39000	38900	100	750	-11	5,892	28,456	Cell 4	0	0	28,456
89	6	22-Jul-00	I	39000	38881	119	869	-15	5,087	33,543	Cell 4	0	0	33,543
90	7	23-Jul-00	I	38905	38795	110	979	0,-15 & -2	7,181	40,724	Cell 4	0	0	40,724
91	8	24-Jul-00	I	38795	38600	195	1,174	-10 & -15	7,044	47,768	Cell 4	0	0	47,768
92	9	25-Jul-00	I	38700	38575	125	1,299	-20 & -11	7,692	55,460	Cell 4	0	0	55,460
93	10	26-Jul-00	I	38600	38500	100	1,399	-15 & -20	8,396	63,856	Cell 4	0	0	63,856
94	11	27-Jul-00	I	38525	38415	110	1,509	-15 & -20	7,349	71,205	Cell 4	0	0	71,205
95	12	28-Jul-00	I	38500	38340	160	1,669	-15 & -20	8,648	79,853	Cell 4	0	0	79,853
96	13	29-Jul-00	I	38340	38250	90	1,759	-15	6,825	86,678	Cell 4	0	0	86,678
97	14	30-Jul-00	I	38415	38150	265	2,024	-13 & -20	8,691	95,369	Cell 4	0	0	95,369
98	15	31-Jul-00	I	38150	37975	175	2,199	-13	6,234	101,603	Cell 4	0	0	101,603
99	16	1-Aug-00	I	37975	37850	125	2,324	-13	5,187	106,790	Cell 4	0	0	106,790
100	17	2-Aug-00	J	39700	39550	150	2,474	N/A	0	106,790	Borrow Area H	3,500	3500	110,290
101	18	3-Aug-00	J	39700	39550	150	2,624	N/A	0	106,790	Borrow Area H	10,972	14472	121,262
102	19	4-Aug-00	J	39750	39550	200	2,824	N/A	0	106,790	Borrow Area H	6,351	20823	127,613
103	20	5-Aug-00	J	39850	39550	300	3,124	N/A	0	106,790	Borrow Area H	7,812	28635	135,425
104	21	6-Aug-00	J	39900	39550	350	3,474	N/A	0	106,790	Borrow Area H	2,342	30977	137,767
105	22	7-Aug-00	J	39950	39750	200	3,674	N/A	0	106,790	Borrow Area H	4,644	35621	142,411
106	23	8-Aug-00	J	40000	39850	150	3,824	N/A	0	106,790	Borrow Area H	5,217	40838	147,628
107	24	9-Aug-00	J	40075	40000	75	3,899	N/A	0	106,790	Borrow Area H	1,320	42158	148,948
108	25	10-Aug-00	J & I	40100	40075	25	3,924	N/A	0	106,790	Borrow Area H	2,632	44790	151,580
109	26	11-Aug-00	I	38000	37850	150	4,074	N/A	0	106,790	Borrow Area H	4,531	49321	156,111
110	27	12-Aug-00	I	38000	37850	150	4,224	N/A	0	106,790	Borrow Area H	4,889	54210	161,000
111	28	13-Aug-00	I	38250	38000	250	4,474	N/A	0	106,790	Borrow Area H	7,042	61252	168,042
112	29	14-Aug-00	I	38250	38000	250	4,724	N/A	0	106,790	Borrow Area H	1,121	62373	169,163
113	30	15-Aug-00	I	38250	38000	250	4,974	N/A	0	106,790	Borrow Area H	3,466	65839	172,629
114	31	16-Aug-00	I	38250	38000	250	5,224	N/A	0	106,790	Borrow Area H	2,345	68184	174,974
115	32	17-Aug-00	I	38500	38250	250	5,474	N/A	0	106,790	Borrow Area H	4,525	72709	179,499
116	33	18-Aug-00	I	38500	38350	150	5,624	N/A	0	106,790	Borrow Area H	4,525	77234	184,024
117	34	19-Aug-00	I	38500	38350	150	5,774	N/A	0	106,790	Borrow Area H	3,558	80792	187,582
118	35	20-Aug-00	I	38500	38350	150	5,924	N/A	0	106,790	Borrow Area H	3,308	84100	190,890

Poplar Island Restoration Project - Phase II  
 Cottrell Contracting Corporation - Unsuitable Excavation and Backfill - 16-in. Dredge Richmond

Tidewater Report #	Cottrell Report #	Date	Cut	Contractor Reported Values										
				Begin Station	End Station	Linear Feet	Cumulative Linear Feet	Cut Depth Feet	Excavation CY	Cumulative Exc. CY	Disposing Unsuit. / Backfill Source	Backfill CY	Cumulative Backfill CY	Total Cum. CY
119	36	21-Aug-00	I	38600	38400	200	6,124	N/A	0	106,790	Borrow Area H	6,358	90458	197,248
120	37	22-Aug-00	I	38600	38400	200	6,324	N/A	0	106,790	Borrow Area H	4,872	95330	202,120
121	38	23-Aug-00	Bad Weather	0	0	0	6,324	N/A	0	106,790	Borrow Area H	0	95330	202,120
122	39	24-Aug-00	I	38750	38200	550	6,874	N/A	0	106,790	Borrow Area H	4,872	100202	206,992
123	40	25-Aug-00	I	38750	38200	550	7,424	N/A	0	106,790	Borrow Area H	7,082	107284	214,074
124	41	26-Aug-00	I	38800	38500	300	7,724	N/A	0	106,790	Borrow Area H	4,723	112007	218,797
125	42	27-Aug-00	Bad Weather	0	0	0	7,724	N/A	0	106,790	Borrow Area H	0	112007	218,797
126	43	28-Aug-00	I	38800	38700	100	7,824	N/A	0	106,790	Borrow Area H	4,930	116937	223,727
127	44	29-Aug-00	I	38850	38750	100	7,924	N/A	0	106,790	Borrow Area H	7,291	124228	231,018
128	45	30-Aug-00	I	38850	38750	100	8,024	N/A	0	106,790	Borrow Area H	5,995	130223	237,013
129	46	31-Aug-00	I	38950	38850	100	8,124	N/A	0	106,790	Borrow Area H	7,707	137930	244,720
130	47	1-Sep-00	I	39000	38850	150	8,274	N/A	0	106,790	Borrow Area H	5,138	143068	249,858
131	48	2-Sep-00	I	39000	38950	50	8,324	N/A	0	106,790	Borrow Area H	6,111	149179	255,969
132	49	3-Sep-00	I			0	8,324	N/A	0	106,790	Borrow Area H	4,861	154040	260,830
133	50	4-Sep-00	I channel	39000	38300	700	9,024	N/A	0	106,790	Borrow Area H	0	154040	260,830
134	51	5-Sep-00	I, J channel	40100	39550	550	9,574	N/A	0	106,790	Borrow Area H	0	154040	260,830
135	52	6-Sep-00	J			0	9,574	N/A	0	106,790	Borrow Area H	2,778	156818	263,608
136	53	7-Sep-00	I, J Leveling			0	9,574	N/A	0	106,790	Borrow Area H	0	156818	263,608
137	54	8-Sep-00	I, J Leveling			0	9,574	N/A	0	106,790	Borrow Area H	0	156818	263,608
138	55	9-Sep-00	J			0	9,574	N/A	0	106,790	Borrow Area H	1,944	158762	265,552
139	56	10-Sep-00	N	46400	46300	100	9,674		3,055	109,845	Cell 4	0	158762	268,607
140	57	11-Sep-00	?			0	9,674		3,611	113,456	Cell 4	0	158762	272,218
141	58	12-Sep-00	?			0	9,674		3,612	117,068	Cell 4	0	158762	275,830
142	59	13-Sep-00	M	45690	45625	65	9,739		3,495	120,563	Cell 4		158762	279,325
143	60	14-Sep-00	M	45740	45540	200	9,939		1,944	122,507	Cell 4	0	158762	281,269
144	61	15-Sep-00	M, side slope	45560	45500	60	9,999		0	122,507	Cell 4	0	158762	281,269
145	62	16-Sep-00	M, side slope	45700	45550	150	10,149		0	122,507	Cell 4	0	158762	281,269
146	63	17-Sep-00	N, side slope	46500	46300	200	10,349		0	122,507	Cell 4	0	158762	281,269
147	64	18-Sep-00	N			0	10,349	N/A	0	122,507	Borrow Area H	1,232	159994	282,501
148	65	19-Sep-00	N			0	10,349	N/A	0	122,507	Borrow Area H	3,083	163077	285,584
149	66	20-Sep-00	N	46500	46400	100	10,449	N/A	0	122,507	Borrow Area H	3,357	166434	288,941
150	67	21-Sep-00	No Dredge			0	10,449	N/A	0	122,507	Borrow Area H	0	166434	288,941
151	68	22-Sep-00	Flotation Ch	500	425	75	10,524		2,384	124,891	Cell 4	0	166434	291,325
152	69	23-Sep-00	Flotation Ch	425	300	125	10,649		2,917	127,808	Cell 4	0	166434	294,242
153	70	24-Sep-00	Flotation Ch	300	100	200	10,849		6,105	133,913	Cell 4	0	166434	300,347
154	71	25-Sep-00	Flotation Ch	100	0	100	10,949		6,722	140,635	Cell 4	0	166434	307,069
155	72	26-Sep-00	Flotation Ch	725	500	225	11,174		5,250	145,885	Cell 4	0	166434	312,319



Poplar Island Restoration Project - Phase II  
 Cottrell Contracting Corporation - Unsuitable Excavation and Backfill - 16-in. Dredge Richmond

Tidewater Report #	Cottrell Report #	Date	Cut	Begin Station	End Station	Linear Feet	Cumulative Linear Feet	Cut Depth Feet	Contractor Reported Values					
									Excavation CY	Cumulative Exc. CY	Disposing Unsuit. / Backfill Source	Backfill CY	Cumulative Backfill CY	Total Cum. CY
156	73	27-Sep-00	Flotation Ch	825	725	100	11,274		5,556	151,441	Cell 4	0	166434	317,875
157	74	28-Sep-00	Flotation Ch	850	825	25	11,299	-15	1,458	152,899	Cell 4	0	166434	319,333
158	75	29-Sep-00	Flotation Ch	900	850	50	11,349	-12	2,027	154,926	Cell 4	0	166434	321,360
159	76	30-Sep-00	Flotation Ch			0	11,349	?	2,469	157,395	Cell 4	0	166434	323,829
160	77	1-Oct-00	Flotation Ch			0	11,349	?	2,470	159,865	Cell 4	0	166434	326,299
161	78	2-Oct-00	Flotation Ch	830	600	230	11,579		9,944	169,809	Cell 4	0	166434	336,243
162	79	3-Oct-00	N	46525	46450	75	11,654	N/A	0	169,809	Borrow Area H	4,962	171396	341,205
163	80	4-Oct-00	N	45525	45450	75	11,729	N/A	0	169,809	Borrow Area H	4,629	176025	345,834
164	81	5-Oct-00	N	45550	45500	50	11,779	N/A	0	169,809	Borrow Area H	7,407	183432	353,241
165	82	6-Oct-00	N	45550	45500	50	11,829	N/A	0	169,809	Borrow Area H	4,166	187598	357,407
166	83	7-Oct-00	Bad Weather	0	0	0	11,829	N/A	0	169,809	Borrow Area H	0	187598	357,407
167	84	8-Oct-00	Bad Weather	0	0	0	11,829	N/A	0	169,809	Borrow Area H	0	187598	357,407
168	85	9-Oct-00	Bad Weather	0	0	0	11,829	N/A	0	169,809	Borrow Area H	0	187598	357,407
169	86	10-Oct-00	?			0	11,829	N/A	0	169,809	Borrow Area H	1,080	188678	358,487
169	87	11-Oct-00	?			0	11,829	N/A	0	169,809	Borrow Area H	2,592	191270	361,079
170	88	12-Oct-00	?			0	11,829	N/A	0	169,809	Borrow Area H	7,500	198770	368,579
171	89	13-Oct-00	M			0	11,829	N/A	0	169,809	Borrow Area H	5,555	204325	374,134
172	90	14-Oct-00	M, excess fill	45650	45450	200	12,029	?	0	169,809	Cell 4	0	204325	374,134
173	91	15-Oct-00	M, excess fill	45725	45450	275	12,304	?	0	169,809	Cell 4	0	204325	374,134
174	92	16-Oct-00	N, excess fill	46550	46250	300	12,604	?	0	169,809	Cell 4	0	204325	374,134
175	93	17-Oct-00	L	45350	45280	70	12,674	-11	2,592	172,401	Cell 4	0	204325	376,726
176	94	18-Oct-00	L	45150	45100	50	12,724	-11	1,296	173,697	Cell 4	0	204325	378,022
177	95	19-Oct-00	L	45100	44975	125	12,849	-11	7,323	181,020	Cell 4	0	204325	385,345
178	96	20-Oct-00	L	44975	44775	200	13,049	-11	5,925	186,945	Cell 4	0	204325	391,270
179	97	21-Oct-00	L	44775	44675	100	13,149	-11	5,889	192,834	Cell 4	0	204325	397,159
180	98	22-Oct-00	L	45150	44800	350	13,499	-11	8,889	201,723	Cell 4	0	204325	406,048
181	99	23-Oct-00	L	44800	44675	125	13,624	-11 / -16	4,999	206,722	Cell 4	0	204325	411,047
182	100	24-Oct-00	L	45075	44875	200	13,824	-16	5,185	211,907	Deep water hole	0	204325	416,232
183	101	25-Oct-00	L	44875	44775	100	13,924	-16	2,592	214,499	Deep water hole	0	204325	418,824
184	102	26-Oct-00	L	44775	44675	100	14,024	-16	3,425	217,924	Deep water hole	0	204325	422,249
185	103	27-Oct-00	L	45100	45060	40	14,064	-16	851	218,775	Deep water hole	0	204325	423,100
186	104	28-Oct-00	Mechanical Prob	45060	45060	0	14,064	0	0	218,775	Deep water hole	0	204325	423,100
187	105	29-Oct-00	Mechanical Prob	45060	45060	0	14,064	0	0	218,775	Deep water hole	0	204325	423,100
188	106	30-Oct-00	L	45060	44950	110	14,174	-16	2,342	221,117	Deep water hole	0	204325	425,442
189	107	31-Oct-00	L	44950	44800	150	14,324	-16	3,194	224,311	Deep water hole	0	204325	428,636
190	108	1-Nov-00	L	45100	44925	175	14,499	-20	4,023	228,334	Deep water hole	0	204325	432,659
191	109	2-Nov-00	L	45150	44850	300	14,799	-20	5,263	233,597	Deep water hole	0	204325	437,922

Poplar Island Restoration Project - Phase II  
 Cottrell Contracting Corporation - Unsuitable Excavation and Backfill - 16-in. Dredge Richmond

Tidewater Report #	Cottrell Report #	Date	Cut	Begin Station	End Station	Contractor Reported Values								
						Linear Feet	Cumulative Linear Feet	Cut Depth Feet	Excavation CY	Cumulative Exc. CY	Disposing Unsuit. / Backfill Source	Backfill CY	Cumulative Backfill CY	Total Cum. CY
192	110	3-Nov-00	L clean up / K	44950	44700	250	15,049	-20	2,000	235,597	DPW / BA H	2,267	206592	442,189
193	111	4-Nov-00	K			0	15,049	N/A	0	235,597	Borrow Area H	3,472	210064	445,661
194	112	5-Nov-00	Bad Weather			0	15,049	N/A	0	235,597		0	210064	445,661
195	113	6-Nov-00	K			0	15,049	N/A	0	235,597	Borrow Area H	4,866	214930	450,527
196	114	7-Nov-00	K			0	15,049	N/A	0	235,597	Borrow Area H	3,472	218402	453,999
197	115	8-Nov-00	K			0	15,049	N/A	0	235,597	Borrow Area H	2,778	221180	456,777
198	116	9-Nov-00	K / L			0	15,049	N/A	0	235,597	Borrow Area H	694	221874	457,471
199	117	10-Nov-00	Bad Weather			0	15,049			235,597		0	221874	457,471
200	118	11-Nov-00	Bad Weather			0	15,049			235,597		0	221874	457,471
201	119	12-Nov-00	L			0	15,049	N/A	0	235,597	Borrow Area H	3,185	225059	460,656
202	120	13-Nov-00	L			0	15,049	N/A	0	235,597	Borrow Area H	7,638	232697	468,294
203	121	14-Nov-00	L			0	15,049	N/A	0	235,597	Borrow Area H	5,000	237697	473,294
204	122	15-Nov-00	L			0	15,049	N/A	0	235,597	Borrow Area H	616	238313	473,910
205	123	16-Nov-00	Access Channel	275	0	275	15,324	-4	2,826	238,423	?	0	238313	476,736
206	124	17-Nov-00	Access Channel	280	200	80	15,404	-4	575	238,998	?	0	238313	477,311
207	125	18-Nov-00	L			0	15,404	N/A	0	238,998	Borrow Area H	4,722	243035	482,033
208	126	19-Nov-00	L			0	15,404	N/A	0	238,998	Borrow Area H	4,723	247758	486,756
209	127	20-Nov-00	L			0	15,404	N/A	0	238,998	Borrow Area H	2,778	250536	489,534
210	128	21-Nov-00	Bad Weather			0	15,404			238,998		0	250536	489,534
211	129	22-Nov-00	Bad Weather			0	15,404			238,998		0	250536	489,534
212	130	23-Nov-00	L			0	15,404	N/A	0	238,998	Borrow Area H	2,085	252621	491,619
213	131	24-Nov-00	L			0	15,404	N/A	0	238,998	Borrow Area H	8,335	260956	499,954
214	132	25-Nov-00	L			0	15,404	N/A	0	238,998	Borrow Area H	6,944	267900	506,898
215	133	26-Nov-00	L			0	15,404	N/A	0	238,998	Borrow Area H	8,750	276650	515,648
216	134	27-Nov-00	L			0	15,404	N/A	0	238,998	Borrow Area H	5,666	282316	521,314
217	135	28-Nov-00	L			0	15,404	N/A	0	238,998	Borrow Area H	5,666	287982	526,980
218	136	29-Nov-00	Making up tow			0	15,404	N/A	0	238,998		0	287982	526,980
219	137	30-Nov-00	Making up tow			0	15,404	N/A	0	238,998		0	287982	526,980

Values in italics are estimated by GBA

Poplar Island Restoration Project - Phase II

Cottrell Contracting Corporation - Unsuitable Excavation and Backfill - 16-in. Dredge Marion

Tidewater Report #	Cottrell Report #	Date	Cut	Begin Station	End Station	Linear Feet	Cumulative Linear Feet	Cut Depth Feet	Contractor Reported Values					
									Excavation CY	Cumulative Exc. CY	Disposing Unsuit. / Backfill Source	Backfill CY	Cumulative Backfill CY	Total Cum. CY
169	1	11-Oct-00	Flotation Chan.	40760	40675	85	85	?	300	300	Cell 4	0	0	300
170	2	12-Oct-00	Flotation Chan.	40675	40325	350	435	?	2,992	3,292	Cell 4	0	0	3,292
171	3	13-Oct-00	Flotation Chan.	40325	39750	575	1,010	?	7,085	10,377	Cell 4	0	0	10,377
172	4	14-Oct-00	Flotation Chan.	39750	39200	550	1,560	?	8,245	18,622	Cell 4	0	0	18,622
173	5	15-Oct-00	Flotation Chan.	39200	39000	200	1,760	?	3,146	21,768	Cell 4	0	0	21,768
174	6	16-Oct-00	Flotation Chan.	39000	38650	350	2,110	?	5,629	27,397	Cell 4	0	0	27,397
175	7	17-Oct-00	Flotation Chan.	38650	38175	475	2,585	?	8,957	36,354	Cell 4	0	0	36,354
176	8	18-Oct-00	Flotation Chan.	38175	37750	425	3,010	?	5,849	42,203	Cell 4	0	0	42,203
177	9	19-Oct-00	Flotation Chan.	37750	37425	325	3,335	?	7,172	49,375	Cell 4	0	0	49,375
178	10	20-Oct-00	Flotation Chan.	37425	36900	525	3,860	?	6,554	55,929	Cell 4	0	0	55,929
179	11	21-Oct-00	Flotation Chan.	36900	36400	500	4,360	?	8,167	64,096	Cell 4	0	0	64,096
180	12	22-Oct-00	Flotation Chan.	36400	36400	0	4,360	?	8,000	72,096	Cell 4	0	0	72,096
181	13	23-Oct-00	K	43825	43725	100	4,460	-11	2,962	75,058	Cell 4	0	0	75,058
182	14	24-Oct-00	K	43725	43550	175	4,635	-11	8,148	83,206	Cell 4	0	0	83,206
183	15	25-Oct-00	K			0	4,635		5,185	88,391	Cell 4	0	0	88,391
184	16	26-Oct-00	K	43830	43600	230	4,865	-16	6,815	95,206	Cell 4	0	0	95,206
185	17	27-Oct-00	K	43800	43700	100	4,965	-16	6,870	102,076	Cell 4	0	0	102,076
186	18	28-Oct-00	K	43700	43560	140	5,105	-16	3,472	105,548	Cell 4	0	0	105,548
187	19	29-Oct-00	Bad Weather	43560	43560	0	5,105	0	0	105,548	Cell 4	0	0	105,548
188	20	30-Oct-00	K	43650	43600	50	5,155	-20	1,736	107,284	Cell 4	0	0	107,284
189	21	31-Oct-00				0	5,155		4,213	111,497	Cell 4	0	0	111,497
190	22	1-Nov-00	K / L	44800	44700	100	5,255	-16	3,833	115,330	Cell 4	0	0	115,330
191	23	2-Nov-00	L clean up / K	44750	44700	50	5,305	-20	1,000	116,330	Cell 4 / BA H	3,981	3,981	120,311
192	24	3-Nov-00	K			0	5,305	N/A	0	116,330	Borrow Area H	7,634	11,615	127,945
193	25	4-Nov-00	K			0	5,305	N/A	0	116,330	Borrow Area H	4,067	15,682	132,012
194	26	5-Nov-00	Bad Weather			0	5,305			116,330			15,682	132,012
195	27	6-Nov-00	K			0	5,305	N/A	0	116,330	Borrow Area H	6,944	22,626	138,956
196	28	7-Nov-00	K			0	5,305	N/A	0	116,330	Borrow Area H	6,916	29,542	145,872
197	29	8-Nov-00	K			0	5,305	N/A	0	116,330	Borrow Area H	6,118	35,660	151,990
198	30	9-Nov-00	K Finished			0	5,305	N/A	0	116,330	Borrow Area H	694	36,354	152,684
199	31	10-Nov-00	Bad Weather			0	5,305	N/A	0	116,330	Borrow Area H	0	36,354	152,684
200	32	11-Nov-00	Bad Weather			0	5,305	N/A	0	116,330	Borrow Area H	0	36,354	152,684
201	33	12-Nov-00	Bad Weather			0	5,305	N/A	0	116,330	Borrow Area H	0	36,354	152,684
202	34	13-Nov-00				0	5,305	N/A	0	116,330	Borrow Area H	5,277	41,631	157,961
203	35	14-Nov-00				0	5,305	N/A	0	116,330	Borrow Area H	5,278	46,909	163,239
204	36	15-Nov-00	Bad Weather			0	5,305			116,330		0	46,909	163,239
205	37	16-Nov-00	L			0	5,305	N/A	0	116,330	Borrow Area H	833	47,742	164,072

Poplar Island Restoration Project - Phase II

Cottrell Contracting Corporation - Unsuitable Excavation and Backfill - 16-in. Dredge Marion

Tidewater Report #	Cottrell Report #	Date	Cut	Begin Station	End Station	Contractor Reported Values								
						Linear Feet	Cumulative Linear Feet	Cut Depth Feet	Excavation CY	Cumulative Exc. CY	Disposing Unsuit. / Backfill Source	Backfill CY	Cumulative Backfill CY	Total Cum. CY
206	38	17-Nov-00	Bad Weather			0	5,305			116,330		0	47,742	164,072
207	39	18-Nov-00	L			0	5,305	N/A	0	116,330	Borrow Area H	4888	52,630	168,960
208	40	19-Nov-00	L			0	5,305	N/A	0	116,330	Borrow Area H	4888	57,518	173,848
209	41	20-Nov-00	L			0	5,305	N/A	0	116,330	Borrow Area H	2489	60,007	176,337
210	42	21-Nov-00	Bad Weather			0	5,305			116,330			60,007	176,337
211	43	22-Nov-00	Bad Weather			0	5,305			116,330			60,007	176,337
212	44	23-Nov-00	L			0	5,305	N/A	0	116,330	Borrow Area H	2083	62,090	178,420
213	45	24-Nov-00	L			0	5,305	N/A	0	116,330	Borrow Area H	7500	69,590	185,920
214	46	25-Nov-00	L			0	5,305	N/A	0	116,330	Borrow Area H	6786	76,376	192,706
215	47	26-Nov-00	L			0	5,305	N/A	0	116,330	Borrow Area H	8334	84,710	201,040
216	48	27-Nov-00	L			0	5,305	N/A	0	116,330	Borrow Area H	5624	90,334	206,664
217	49	28-Nov-00	L			0	5,305	N/A	0	116,330	Borrow Area H	5625	95,959	212,289
218	50	29-Nov-00	Bad Weather			0	5,305	N/A	0	116,330	Borrow Area H	0	95,959	212,289
219	51	30-Nov-00	Bad Weather			0	5,305	N/A	0	116,330	Borrow Area H	0	95,959	212,289
220	52	1-Dec-00	Clean up L			0	5,305	N/A	0	116,330	Borrow Area H	0	95,959	212,289
221	53	2-Dec-00	Clean up L			0	5,305	N/A	0	116,330	Borrow Area H	0	95,959	212,289
222	54	3-Dec-00	Clean up L			0	5,305	N/A	0	116,330	Borrow Area H	0	95,959	212,289
223	55	4-Dec-00	Clean up L			0	5,305	N/A	0	116,330	Borrow Area H	0	95,959	212,289
224	56	5-Dec-00	Clean up L			0	5,305	N/A	0	116,330	Borrow Area H	0	95,959	212,289
225	57	6-Dec-00	Clean up L			0	5,305	N/A	0	116,330	Borrow Area H	0	95,959	212,289
226	58	7-Dec-00	Making up tow			0	5,305	N/A	0	116,330	Borrow Area H	0	95,959	212,289

Values in italics are estimated by GBA

#### **4.5 Planned and Reported Production for Toe Dike**



Poplar Island Restoration Project - Phase II  
Toe Dike Production

STATION VALUES

Tidewater	Report #	Day	Date	Quarry Run				Toe Armor					
				Place Quarry Run	Planned Place Quarry Run	Shape Quarry Run South Dike	Planned Shape Quarry Run	Shape Quarry Run West Dike	Shape Armor Stone South Dike	Planned Shape Armor Stone	Shape Armor Stone West Dike		
	136	Thu	7-Sep-00	35650	35650								
	137	Fri	8-Sep-00	35688	35699								
	138	Sat	9-Sep-00	35760	35748								
	139	Sun	10-Sep-00	35760	35748								
	140	Mon	11-Sep-00	35815	35797								
	141	Tue	12-Sep-00	35870	35846								
	142	Wed	13-Sep-00	35925	35895								
	143	Thu	14-Sep-00	35980	35944								
	144	Fri	15-Sep-00	36035	35993								
	145	Sat	16-Sep-00	36090	36042								
	146	Sun	17-Sep-00	36090	36042								
	147	Mon	18-Sep-00	36145	36091								
	148	Tue	19-Sep-00	36200	36140								
	149	Wed	20-Sep-00	36255	36189								
	150	Thu	21-Sep-00	36310	36238								
	151	Fri	22-Sep-00	36365	36287								
	152	Sat	23-Sep-00	36420	36336								
	153	Sun	24-Sep-00	36420	36336								
	154	Mon	25-Sep-00	36470	36385		35650						
	155	Tue	26-Sep-00	36470	36434		35715						
	156	Wed	27-Sep-00	36610	36483		35780						
	157	Thu	28-Sep-00	36750	36532		35845						
	158	Fri	29-Sep-00	36890	36581		35910						
	159	Sat	30-Sep-00	37030	36630		35975						
	160	Sun	1-Oct-00	37030	36630		35975						
	161	Mon	2-Oct-00	37170	36679		36040						
	162	Tue	3-Oct-00	37310	36728		36105						
	163	Wed	4-Oct-00	37450	36777		36170			35650		35650	
	164	Thu	5-Oct-00	37700	36826		35700			35700		35699	
	165	Fri	6-Oct-00	37840	36875		35750			35750		35748	
	166	Sat	7-Oct-00	37980	36924		35800			35750		35797	
	167	Sun	8-Oct-00	37980	36924		35800			35750		35797	
	168	Mon	9-Oct-00	38185	36973		35850			35780		35846	
	169	Tue	10-Oct-00	38305	37000		35950			35805		35895	
	169	Wed	11-Oct-00	38305	37089		36000			35830		35944	
	170	Thu	12-Oct-00	38305	37178		36000			35830		35993	
	171	Fri	13-Oct-00	38305	37267		36000			35830		36042	
	172	Sat	14-Oct-00	38305	37356		36000			35830		36091	
	173	Sun	15-Oct-00	38305	37356		36000			35830		36091	
	174	Mon	16-Oct-00	38305	37445		36000			35850		36140	
	175	Tue	17-Oct-00	38305	37534		36000			35900		36189	
	176	Wed	18-Oct-00	38305	37623		36000			35900		36238	
	177	Thu	19-Oct-00	38445	37712		36000			35950		36287	
	178	Fri	20-Oct-00	38485	37801		36000			35980		36336	
	179	Sat	21-Oct-00	38485	37890		36000			35980		36385	
	180	Sun	22-Oct-00	38485	37890		36000			35980		36385	
	181	Mon	23-Oct-00	38745	37979		36050			36000		36434	
	182	Tue	24-Oct-00	38925	38068		36050			36050		36483	
	183	Wed	25-Oct-00	39175	38157		36050					36532	
	184	Thu	26-Oct-00	39365	38246		36050					36581	
	185	Fri	27-Oct-00	39555	38335		36050					36630	
	186	Sat	28-Oct-00	39555	38424		36050					36679	
	187	Sun	29-Oct-00	39555	38424		36050					36679	
	188	Mon	30-Oct-00	39745	38513		36050					36728	
	189	Tue	31-Oct-00	39935	38602		36050					36777	

Poplar Island Restoration Project - Phase II  
Toe Dike Production

STATION VALUES

Tidewater Report #	Day	Date	Quarry Run					Toe Armor		
			Place Quarry Run	Planned Place Quarry Run	Shape Quarry Run South Dike	Planned Shape Quarry Run	Shape Quarry Run West Dike	Shape Armor Stone South Dike	Planned Shape Armor Stone	Shape Armor Stone West Dike
190	Wed	1-Nov-00	40125	38691	36050	37730			36826	
191	Thu	2-Nov-00	40290	38780	36050	37795			36875	
192	Fri	3-Nov-00	40290	38869	36050	37860			36924	
193	Sat	4-Nov-00	40498	38958	36090	37925			36973	
194	Sun	5-Nov-00	40498	38958	36090	37925			36973	
195	Mon	6-Nov-00	40595	39047	36090	37990			37022	
196	Tue	7-Nov-00	40720	39136	36090	38055			37071	
197	Wed	8-Nov-00	40757	39225	36090	38120			37120	
198	Thu	9-Nov-00	40863	39314	36090	38185			37169	
199	Fri	10-Nov-00	40863	39403	36090	38250			37218	
200	Sat	11-Nov-00	40863	39492	36090	38315			37267	
201	Sun	12-Nov-00	40863	39492	36090	38315			37267	
202	Mon	13-Nov-00	40900	39581	36090	38380			37316	
203	Tue	14-Nov-00	41000	39670	36090	38445			37365	
204	Wed	15-Nov-00	41000	39759	36090	38510			37414	
205	Thu	16-Nov-00	41000	39848	36090	38575			37463	
206	Fri	17-Nov-00	41000	39937	36090	38640			37512	
207	Sat	18-Nov-00	41000	40026	36090	38705			37561	
208	Sun	19-Nov-00	41000	40026	36090	38705			37561	
209	Mon	20-Nov-00	41000	40115	36090	38770			37610	
210	Tue	21-Nov-00	41000	40204	36090	38835			37659	
211	Wed	22-Nov-00	41000	40293	36090	38900			37708	
212	Thu	23-Nov-00	41000	40293	36090	38900			37708	
213	Fri	24-Nov-00	41000	40293	36090	38900			37708	
214	Sat	25-Nov-00	41000	40293	36090	38900			37708	
215	Sun	26-Nov-00	41000	40293	36090	38900			37708	
216	Mon	27-Nov-00	41000	40382	36090	38965			37757	
217	Tue	28-Nov-00	41000	40471	36090	39030			37806	
218	Wed	29-Nov-00	41000	40560	36090	39095			37855	
219	Thu	30-Nov-00	41000	40649	36090	39160			37904	
220	Fri	1-Dec-00		40738	36090	39225			37953	
221	Sat	2-Dec-00		40827	36090	39290			38002	
222	Sun	3-Dec-00		40827	36090	39290			38002	
223	Mon	4-Dec-00		40916	36090	39355			38051	
224	Tue	5-Dec-00		41000	36100	39420			38100	
225	Wed	6-Dec-00	47450		36200	39485			38149	
226	Thu	7-Dec-00	47450		36265	39550			38198	
227	Fri	8-Dec-00	47400		36265	39615			38247	
228	Sat	9-Dec-00	47330		36265	39680			38296	
229	Sun	10-Dec-00	47330		36265	39680			38296	
230	Mon	11-Dec-00	47330		36265	39745			38345	
231	Tue	12-Dec-00	47330		36265	39810			38394	
232	Wed	13-Dec-00	47330		36265	39875			38443	
233	Thu	14-Dec-00	47330		36265	39940	47450	36125	38492	
234	Fri	15-Dec-00	47330		36265	40005	47450	36190	38541	
235	Sat	16-Dec-00	47250		36265	40070	47450	36200	38590	
236	Sun	17-Dec-00	47250		36265	40070	47450	36200	38590	
237	Mon	18-Dec-00	47250		36265	40135	47450	36229	38639	
238	Tue	19-Dec-00	47200	47400	36265	40200	47450	36250	38688	
239	Wed	20-Dec-00	47200	47346	36265	40265	47450	36250	38737	
240	Thu	21-Dec-00	47150	47292	36300	40330	47450	36265	38786	
241	Fri	22-Dec-00	47150	47238	36300	40395	47450	36265	38835	
242	Sat	23-Dec-00	47150	47184	36300	40460	47450	36265	38884	
243	Sun	24-Dec-00	47150	47184	36300	40460	47450	36265	38884	
244	Mon	25-Dec-00	47150	47184	36300	40525	47450	36265	38884	



Poplar Island Restoration Project - Phase II  
Toe Dike Production

STATION VALUES

Tidewater Report #	Day	Date	Quarry Run					Toe Armor		
			Place Quarry Run	Planned Place Quarry Run	Shape Quarry Run South Dike	Planned Shape Quarry Run	Shape Quarry Run West Dike	Shape Armor Stone South Dike	Planned Shape Armor Stone	Shape Armor Stone West Dike
245	Tue	26-Dec-00	47150	47130	36300	40590	47450	36265	38933	
246	Wed	27-Dec-00	47150	47076	36450	40655	47450	36265	38982	
247	Thu	28-Dec-00	47150	47022	36450	40720	47450	36265	39031	
248	Fri	29-Dec-00	47150	46968	36450	40785	47450	36265	39080	
249	Sat	30-Dec-00	47150	46914	36450	40850	47450	36265	39129	
250	Sun	31-Dec-00	47150	46914	36450	40850	47450	36265	39129	
251	Mon	1-Jan-01	47150	46914	36450	40850	47450	36265	39129	47450
253	Tue	2-Jan-01	47150	46860	36450	40915	47450	36310	39178	47435
254	Wed	3-Jan-01	47150	46806	36500	41000	47450	36320	39227	47435
255	Thu	4-Jan-01	47150	46752	36600		47400	36340	39276	47435
256	Fri	5-Jan-01	47150	46698	36600	47400	47400	36340	39325	47435
257	Sat	6-Jan-01	47015	46644	36600	47343	47400	36340	39374	47435
258	Sun	7-Jan-01	47015	46644	36600	47343	47400	36340	39374	47435
259	Mon	8-Jan-01	46975	46590	36600	47286	47400	36340	39423	47435
260	Tue	9-Jan-01	46975	46536	36600	47229	47400	36370	39472	47435
261	Wed	10-Jan-01	46925	46482	36600	47172	47400	36395	39521	47435
262	Thu	11-Jan-01	46875	46428	36600	47115	47350	36395	39570	47435
263	Fri	12-Jan-01	46850	46374	36600	47058	47300	36395	39619	47435
264	Sat	13-Jan-01	46745	46320	36600	47001	47275	36395	39668	47435
265	Sun	14-Jan-01	46745	46320	36600	47001	47275	36395	39668	47435
266	Mon	15-Jan-01	46700	46266	36600	46944	47250	36425	39717	47435
267	Tue	16-Jan-01	46650	46212	36600	46887	47200	36450	39766	47435
268	Wed	17-Jan-01	46600	46158	36600	46830	47100	36475	39815	47435
269	Thu	18-Jan-01	46475	46104	36700	46773	47000	36500	39864	47435
270	Fri	19-Jan-01	46375	46050	36700	46716	46950	36525	39913	47435
271	Sat	20-Jan-01	46325	45996	36700	46659	46900	36525	39962	47400
272	Sun	21-Jan-01	46325	45996	36700	46659	46900	36525	39962	47400
273	Mon	22-Jan-01	46300	45942	36700	46602	46875	36525	40011	47350
274	Tue	23-Jan-01	46275	45888	36800	46545	46850	36550	40060	47350
275	Wed	24-Jan-01	46250	45834	36800	46488	46825	36570	40109	47290
276	Thu	25-Jan-01	46175	45780	36900	46431	46800	36626	40158	47290
277	Fri	26-Jan-01	46050	45726	36950	46374	46750	36692	40207	47290
278	Sat	27-Jan-01	45200	45672	37000	46317	46700	36720	40256	47290
279	Sun	28-Jan-01	45200	45672	37000	46317	46700		40256	47290
280	Mon	29-Jan-01	45200	45618	37200	46260	46650		40305	47325
281	Tue	30-Jan-01	45200	45564		46203	46650		40354	47325
282	Wed	31-Jan-01	45100	45510		46146	46550		40403	47156
283	Thu	1-Feb-01	45100	45456		46089	46500		40452	47090
284	Fri	2-Feb-01	45000	45402		46032	46450		40501	47135
285	Sat	3-Feb-01	44810	45348		45975	46450		40550	47135
286	Sun	4-Feb-01	44810	45348		45975	46450		40550	47135
287	Mon	5-Feb-01	44750	45294		45918	46350		40599	47135
288	Tue	6-Feb-01	44700	45240		45861	46000		40648	47030
289	Wed	7-Feb-01	44550	45186		45804	46000		40697	46822
290	Thu	8-Feb-01	43400	45132		45747	45950		40746	46900
291	Fri	9-Feb-01	43175	45078		45690	45750		40795	46850
292	Sat	10-Feb-01	43175	45024		45633	45750		40844	46850
293	Sun	11-Feb-01	43175	45024		45633	45750		40844	46850
294	Mon	12-Feb-01	43075	44970		45576	45700		40893	46760
295	Tue	13-Feb-01	42975	44916		45519	45650		40942	46730
296	Wed	14-Feb-01	42925	44862		45462	45600		40991	46675
297	Thu	15-Feb-01	42900	44808		45405	45550		41000	46650
298	Fri	16-Feb-01	42800	44754		45348	45400			46600
299	Sat	17-Feb-01	42800	44700		45291	45400		47400	46600
300	Sun	18-Feb-01	42800	44700		45291	45400		47327	46600

Poplar Island Restoration Project - Phase 11  
Toe Dike Production

STATION VALUES

Tidewater Report #	Day	Date	Quarry Run				Toe Armor			
			Place Quarry Run	Planned Place Quarry Run	Shape Quarry Run South Dike	Planned Shape Quarry Run	Shape Quarry Run West Dike	Shape Armor Stone South Dike	Planned Shape Armor Stone	Shape Armor Stone West Dike
301	Mon	19-Feb-01	42750	44646		45234	45300		47254	46565
302	Tue	20-Feb-01	42650	44592		45177	45200		47181	46525
303	Wed	21-Feb-01	42525	44538		45120	45100		47108	46485
304	Thu	22-Feb-01	42500	44484		45063	45000		47035	46434
305	Fri	23-Feb-01	42425	44430		45006	44900		46962	46400
306	Sat	24-Feb-01	42425	44376		44949	44800		46889	46385
307	Sun	25-Feb-01	42425	44376		44949	44800		46889	46385
308	Mon	26-Feb-01	42300	44322		44892	44300		46816	46345
309	Tue	27-Feb-01	42100	44268		44835	44100		46743	46230
310	Wed	28-Feb-01	42000	44214		44778	43925		46670	46175
311	Thu	1-Mar-01	41900	44160		44721	43925		46597	46075
312	Fri	2-Mar-01	41800	44106		44664	43400		46524	45715
313	Sat	3-Mar-01	41700	44052		44607	43100		46451	45670
314	Sun	4-Mar-01	41570	44052		44607			46451	45670
315	Mon	5-Mar-01		43998		44550			46378	45655
316	Tue	6-Mar-01		43944		44493			46305	45655
317	Wed	7-Mar-01		43890		44436			46232	45650
318	Thu	8-Mar-01		43836		44379			46159	45600
319	Fri	9-Mar-01		43782		44322			46086	45490
320	Sat	10-Mar-01		43728		44265			46013	45400
321	Sun	11-Mar-01		43728		44265			46013	43950
322	Mon	12-Mar-01		43674		44208			45940	43925
323	Tue	13-Mar-01		43620		44151			45867	43875
324	Wed	14-Mar-01		43566		44094			45794	43875
325	Thu	15-Mar-01		43512		44037			45721	43800
326	Fri	16-Mar-01		43458		43980			45648	43775
327	Sat	17-Mar-01		43404		43923			45575	43725
328	Sun	18-Mar-01		43404		43923			45575	43725
329	Mon	19-Mar-01		43350	41000	43866			45502	43525
330	Tue	20-Mar-01		43296	40950	43809			45429	43475
331	Wed	21-Mar-01		43242	40900	43752			45356	43425
332	Thu	22-Mar-01		43188	40850	43695			45283	43425
333	Fri	23-Mar-01		43134	40800	43638			45210	43375
334	Sat	24-Mar-01		43080	40800	43581			45137	43375
335	Sun	25-Mar-01		43080	40800	43581			45137	43375
336	Mon	26-Mar-01		43026	40700	43524			45064	43350
337	Tue	27-Mar-01		42972	40500	43467			44991	43100
338	Wed	28-Mar-01		42918	40300	43410			44918	43060
339	Thu	29-Mar-01		42864	40100	43353			44845	43060
340	Fri	30-Mar-01		42810	39900	43296			44772	43060
341	Sat	31-Mar-01		42756	39700	43239			44699	43060
342	Sun	1-Apr-01		42756	39600	43239			44699	43060
343	Mon	2-Apr-01		42702	39500	43182			44626	42925
344	Tue	3-Apr-01		42648	39350	43125			44553	42765
345	Wed	4-Apr-01		42594	39200	43068			44480	42600
346	Thu	5-Apr-01		42540	38925	43011			44407	42575
347	Fri	6-Apr-01		42486	38625	42954			44334	42380
348	Sat	7-Apr-01		42432	38450	42897			44261	42450
349	Sun	8-Apr-01		42432	38300	42897		39720	44261	42400
350	Mon	9-Apr-01		42378	38225	42840		39680	44188	42325
351	Tue	10-Apr-01		42324	37950	42783		39680	44115	42200
352	Wed	11-Apr-01		42270	37750	42726		39680	44042	42025
353	Thu	12-Apr-01		42216	37500	42669		39580	43969	42100
354	Fri	13-Apr-01		42216	37200	42669		39580	43969	41925
355	Sat	14-Apr-01		42216		42669		39580	43969	41900

Poplar Island Restoration Project - Phase II  
Toe Dike Production

STATION VALUES

Tidewater Report #	Day	Date	Quarry Run					Toe Armor		
			Place Quarry Run	Planned Place Quarry Run	Shape Quarry Run South Dike	Planned Shape Quarry Run	Shape Quarry Run West Dike	Shape Armor Stone South Dike	Planned Shape Armor Stone	Shape Armor Stone West Dike
356	Sun	15-Apr-01		42216		42669		39580	43969	41900
357	Mon	16-Apr-01		42162		42612		39580	43896	41850
358	Tue	17-Apr-01		42108		42555		39580	43823	41850
359	Wed	18-Apr-01		42054		42498		39580	43750	41850
360	Thu	19-Apr-01		42000		42441		39580	43677	41850
361	Fri	20-Apr-01		41946		42384		39580	43604	41700
362	Sat	21-Apr-01		41892		42327		39580	43531	41700
363	Sun	22-Apr-01		41892		42327		39580	43531	41650
364	Mon	23-Apr-01		41838		42270		39580	43458	41600
365	Tue	24-Apr-01		41784		42213		39580	43385	41570
366	Wed	25-Apr-01		41730		42156		39580	43312	41570
367	Thu	26-Apr-01		41676		42099		39580	43239	
368	Fri	27-Apr-01		41622		42042		39580	43166	
369	Sat	28-Apr-01		41570		41985		39580	43093	
370	Sun	29-Apr-01				41985		39580	43093	
371	Mon	30-Apr-01				41928		39545	43020	
372	Tue	1-May-01				41871		39455	42947	
373	Wed	2-May-01				41814		39455	42874	
374	Thu	3-May-01				41757		39455	42801	
375	Fri	4-May-01				41700		39455	42728	
376	Sat	5-May-01				41643		39400	42655	
377	Sun	6-May-01				41643		39300	42655	
378	Mon	7-May-01				41570		39200	42582	
379	Tue	8-May-01						39150	42509	
380	Wed	9-May-01						39085	42436	
381	Thu	10-May-01						38950	42363	
382	Fri	11-May-01						38850	42290	
383	Sat	12-May-01						38850	42217	
384	Sun	13-May-01						38850	42217	
385	Mon	14-May-01						38700	42144	
386	Tue	15-May-01						38700	42071	
387	Wed	16-May-01						38700	41998	
388	Thu	17-May-01						38640	41925	
389	Fri	18-May-01						38640	41852	
390	Sat	19-May-01						38540	41779	
391	Sun	20-May-01						38540	41779	
392	Mon	21-May-01						38425	41706	
393	Tue	22-May-01						38425	41633	
394	Wed	23-May-01						38300	41570	
395	Thu	24-May-01						38300		
396	Fri	25-May-01						38300		
397	Sat	26-May-01						38200		
398	Sun	27-May-01						38200		
399	Mon	28-May-01						38200		
400	Tue	29-May-01						38180		
401	Wed	30-May-01								
402	Thu	31-May-01						41087		
403	Fri	1-Jun-01						41087		
404	Sat	2-Jun-01						41087		
405	Sun	3-Jun-01						41087		
406	Mon	4-Jun-01						41087		
407	Tue	5-Jun-01						41087		
408	Wed	6-Jun-01						41038		
409	Thu	7-Jun-01						40970		
410	Fri	8-Jun-01						40800		

Poplar Island Restoration Project - Phase II  
Toe Dike Production

STATION VALUES

Tidewater Report #	Day	Date	Quarry Run					Toe Armor		
			Place Quarry Run	Planned Place Quarry Run	Shape Quarry Run South Dike	Planned Shape Quarry Run	Shape Quarry Run West Dike	Shape Armor Stone South Dike	Planned Shape Armor Stone	Shape Armor Stone West Dike
411	Sat	9-Jun-01						40825		
412	Sun	10-Jun-01						40825		
413	Mon	11-Jun-01						40800		
414	Tue	12-Jun-01						40800		
415	Wed	13-Jun-01						40800		
416	Thu	14-Jun-01						40810		
417	Fri	15-Jun-01						40775		
418	Sat	16-Jun-01						40785		
419	Sun	17-Jun-01						40700		
420	Mon	18-Jun-01						40700		
421	Tue	19-Jun-01						40625		
422	Wed	20-Jun-01						40550		
423	Thu	21-Jun-01						40525		
424	Fri	22-Jun-01						40475		
425	Sat	23-Jun-01						40425		
426	Sun	24-Jun-01						40425		
427	Mon	25-Jun-01						40425		
428	Tue	26-Jun-01						40375		
429	Wed	27-Jun-01						40275		
430	Thu	28-Jun-01						40225		
431	Fri	29-Jun-01						40200		
432	Sat	30-Jun-01						40150		
433	Sun	1-Jul-01						40100		
434	Mon	2-Jul-01						40100		
435	Tue	3-Jul-01						40100		
436	Wed	4-Jul-01						40100		
437	Thu	5-Jul-01						40050		
438	Fri	6-Jul-01						39900		
439	Sat	7-Jul-01						39900		
440	Sun	8-Jul-01						39900		
441	Mon	9-Jul-01						39850		
442	Tue	10-Jul-01						39800		
443	Wed	11-Jul-01						39750		
444	Thu	12-Jul-01						39750		
445	Fri	13-Jul-01								
446	Sat	14-Jul-01								
447	Sun	15-Jul-01								
448	Mon	16-Jul-01						38200		
449	Tue	17-Jul-01						38000		
450	Wed	18-Jul-01						37900		
451	Thu	19-Jul-01						37875		
452	Fri	20-Jul-01						37760		
453	Sat	21-Jul-01						37750		
454	Sun	22-Jul-01						37750		
455	Mon	23-Jul-01						37725		
456	Tue	24-Jul-01						37675		
457	Wed	25-Jul-01						37600		
458	Thu	26-Jul-01						37550		
459	Fri	27-Jul-01						37550		
460	Sat	28-Jul-01						37450		
461	Sun	29-Jul-01						37450		
462	Mon	30-Jul-01						37450		
463	Tue	31-Jul-01						37350		
464	Wed	1-Aug-01						37275		
465	Thu	2-Aug-01						37225		

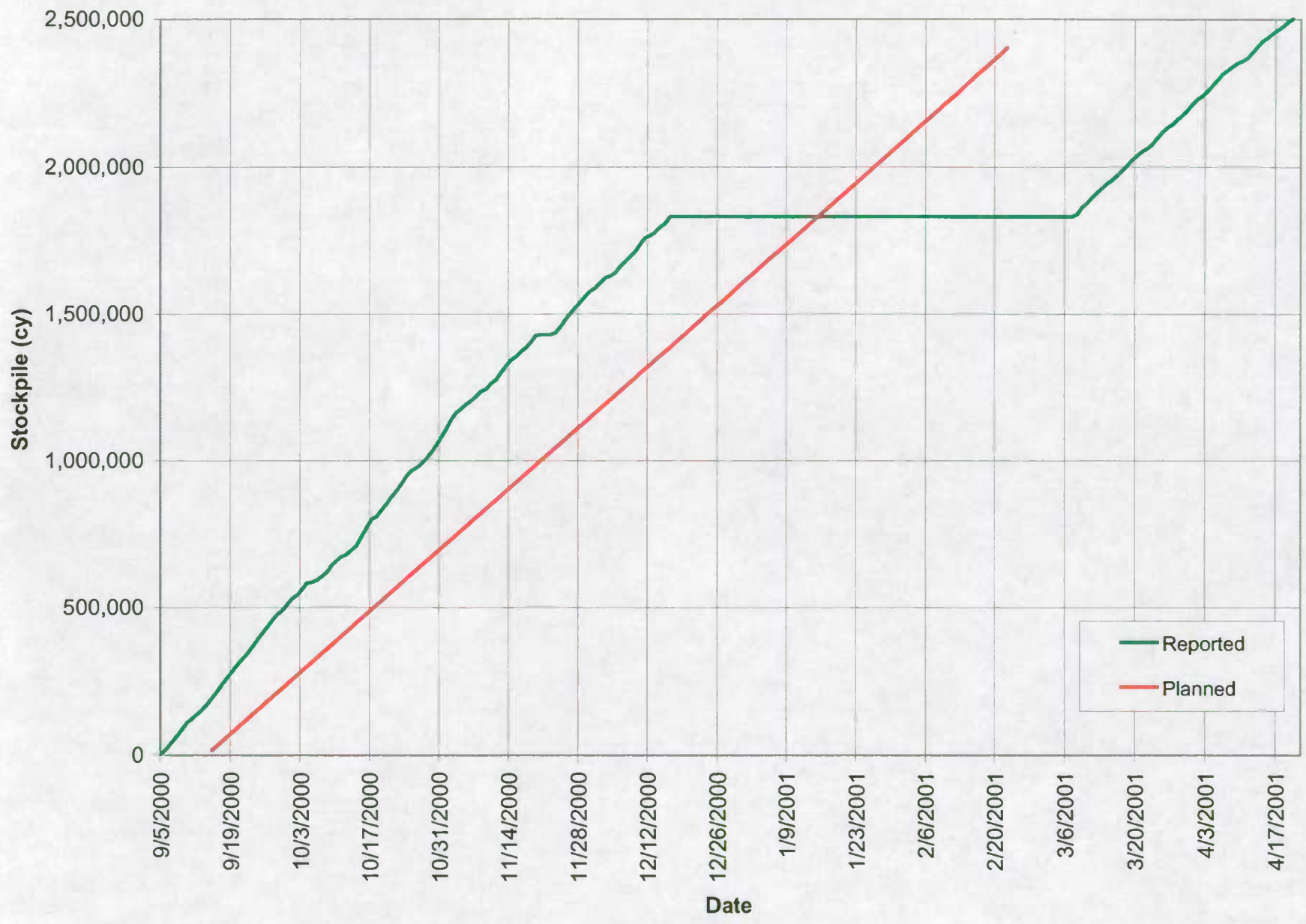
Poplar Island Restoration Project - Phase II  
Toe Dike Production

STATION VALUES

Tidewater	Report #	Day	Date	Quarry Run			Toe Armor				
				Place Quarry Run	Planned Place Quarry Run	Shape Quarry Run South Dike	Planned Shape Quarry Run	Shape Quarry Run West Dike	Shape Armor Stone South Dike	Planned Shape Armor Stone	Shape Armor Stone West Dike
	466	Fri	3-Aug-01						37150		
	467	Sat	4-Aug-01						37100		
	468	Sun	5-Aug-01						37100		
	469	Mon	6-Aug-01						37075		
	470	Tue	7-Aug-01						37000		
	471	Wed	8-Aug-01						36950		
	472	Thu	9-Aug-01						36950		
	473	Fri	10-Aug-01						36950		
	474	Sat	11-Aug-01						36950		
	475	Sun	12-Aug-01						36950		
	476	Mon	13-Aug-01						36820		
	477	Tue	14-Aug-01						36700		

#### **4.6 Planned and Reported Production for Sand Stockpile**

Stockpile Reported Production vs. Planned Production



Poplar Island Restoration Project - Phase 11  
 Norfolk Dredging Company - Stockpile Production - 22-in. Dredge Pullen

Tidewater Report #	Norfolk Report #	Date	Contractor Reported Values										Contractor Schedule	
			Cut	Ave. Width Cut (ft)	Begin Station	End Station	Linear Feet	Cumulative Linear Feet	Cut Dept Feet	Excavation Cut CY	Excavation Cum. Cut CY	Excavation Cut CY	Excavation Cum. Cut CY	
134	1	5-Sep-00	A2	200	0	100	100	100	100	23	4,444	4,444	0	0
135	2	6-Sep-00	A2	260	100	380	280	380	380	22.5	18,604	23,048	0	0
136	3	7-Sep-00	A2		380	625	245	625			20,224	43,272	0	0
137	4	8-Sep-00	A2		625	875	250	875			20,224	63,496	0	0
138	5	9-Sep-00	A2	210	875	1135	260	1135		17	22,649	86,145	0	0
139	6	10-Sep-00	A2	200	1135	1390	255	1390		17	21,722	107,867	0	0
140	7	11-Sep-00	A2				0	1390			14,500	122,367	0	0
141	8	12-Sep-00	A2		0		0	1390			14,500	136,867	0	0
142	9	13-Sep-00	A2		0		0	1390			14,637	151,504	0	0
143	10	14-Sep-00	A2 & A1	200 / 150	1300	1620	320	1710	20 / 17	17,911	169,415	0	0	
144	11	15-Sep-00	A1	260	0	315	315	2025	16	22,163	191,578	14,894	14,894	
145	12	16-Sep-00	A1	300	315	450	135	2160	17	21,890	213,468	14,894	29,787	
146	13	17-Sep-00	A1	260	450	580	130	2290	21.5	25,037	238,505	14,894	44,681	
147	14	18-Sep-00	A1	300	250	580	330	2620	22.8	21,267	259,772	14,894	59,574	
148	15	19-Sep-00	A1	300	580	740	160	2780	19	22,222	281,994	14,894	74,468	
149	16	20-Sep-00	A1	300	740	890	150	2930	19	21,333	303,327	14,894	89,362	
150	17	21-Sep-00	A1	300	890	1010	120	3050	20	19,600	322,927	14,894	104,255	
151	18	22-Sep-00	A1	225	75	300	225	3275	17.8	18,000	340,927	14,894	119,149	
152	19	23-Sep-00	A1	328	300	460	160	3435	18	23,324	364,251	14,894	134,043	
153	20	24-Sep-00	A1	380	460	600	140	3575	18	23,644	387,895	14,894	148,936	
154	21	25-Sep-00	A1	380	600	716	116	3691	19	22,040	409,935	14,894	163,830	
155	22	26-Sep-00	A1	380	716	826	110	3801	19	21,927	431,862	14,894	178,723	
156	23	27-Sep-00	A1	380	826	955	129	3930	17.5	22,149	454,011	14,894	193,617	
157	24	28-Sep-00	A1	380	955	1080	125	4055	17	20,231	474,242	14,894	208,511	
158	25	29-Sep-00	A1	335 / 300	1080	1150	70	4125	16 / 22	13,119	487,361	14,894	223,404	
159	26	30-Sep-00	A1	330	0	380	380	4505		21,111	508,472	14,894	238,298	
160	27	1-Oct-00	A1	330	380	850	470	4975	22	20,106	528,578	14,894	253,191	
161	28	2-Oct-00	A1	350 / 380	850	1140	290	5265	19.7 / 23	11,839	540,417	14,894	268,085	
162	29	3-Oct-00	A1 & D1	343	535	635	100	5365	14.7	19,025	559,442	14,894	282,979	
163	30	4-Oct-00	D1	343	305	535	230	5595	14.5	21,914	581,356	14,894	297,872	
164	31	5-Oct-00	D1	343	510	535	25	5620	14.5	3,081	584,437	14,894	312,766	
165	32	6-Oct-00	D1	343	235	280	45	5665	16.5	6,689	591,126	14,894	327,660	
166	33	7-Oct-00	D1	343	145	235	90	5755	16	12,805	603,931	14,894	342,553	
167	34	8-Oct-00	D1	343	105	320	215	5970	16 / 20	14,584	618,515	14,894	357,447	
168	35	9-Oct-00	D1	343	10	145	135	6105	19	24,525	643,040	14,894	372,340	
169	36	10-Oct-00	D1	343	-100	10	110	6215	16.5	16,489	659,529	14,894	387,234	
169	37	11-Oct-00	D1	343 / 100	-140	-110	30	6245	16.5 / 16	12,426	671,955	14,894	402,128	
170	38	12-Oct-00	D1		0		0	6245		7,051	679,006	14,894	417,021	
171	39	13-Oct-00	D1	200	170	330	160	6405	18	15,762	694,768	14,894	431,915	
172	40	14-Oct-00	D1	350	110	170	60	6465	23	13,611	708,379	14,894	446,809	
173	41	15-Oct-00	D1				0	6465		31,036	739,415	14,894	461,702	
174	42	16-Oct-00	D1				0	6465		31,037	770,452	14,894	476,596	
175	43	17-Oct-00	D1&D2	343	-270	-40	230	6695	18.5	28,342	798,794	14,894	491,489	
176	44	18-Oct-00	D1&D2	343 / 390	-320	-270	50	6745	11.7 / 2	9,310	808,104	14,894	506,383	
177	45	19-Oct-00	D1	290	765	920	155	6900	13.5	21,976	830,080	14,894	521,277	
178	46	20-Oct-00	D1	280	920	1070	150	7050	13.5	21,000	851,080	14,894	536,170	
179	47	21-Oct-00	D1	285	1070	1240	170	7220	13.1	23,507	874,587	14,894	551,064	
180	48	22-Oct-00	D1	285	1240	1400	160	7380	11.7	19,760	894,347	14,894	565,957	
181	49	23-Oct-00	D1	285	1400	1590	190	7570	11.9	23,866	918,213	14,894	580,851	
182	50	24-Oct-00	D1	285	1590	1790	200	7770	11.9	25,122	943,335	14,894	595,745	
183	51	25-Oct-00	D1	285	1790	1945	155	7925	2 / 11.6	19,612	962,947	14,894	610,638	
184	52	26-Oct-00	D1	285 / 388	1660	1840	180	8105	3.7 / 4	11,054	974,001	14,894	625,532	
185	53	27-Oct-00	D1	190	370	700	330	8435	5.3	12,308	986,309	14,894	640,426	
186	54	28-Oct-00	D1	305	700	825	125	8560	12.7	17,933	1,004,242	14,894	655,319	
187	55	29-Oct-00	D1	285	825	990	165	8725	12.7	22,119	1,026,361	14,894	670,213	
188	56	30-Oct-00	D1	285	990	1175	185	8910	12.6	24,605	1,050,966	14,894	685,106	
189	57	31-Oct-00	D1	285	1175	1385	210	9120	12	26,600	1,077,566	14,894	700,000	
190	58	1-Nov-00					0	9120		27,867	1,105,433	14,894	714,894	
191	59	2-Nov-00	D1	285	1605	1861	256	9376	12.1	32,696	1,138,129	14,894	729,787	
192	60	3-Nov-00	D1	285	1861	2050	189	9565	12	23,940	1,162,069	14,894	744,681	
193	61	4-Nov-00	D1	285	1680	1957	277	9842	4	11,695	1,173,764	14,894	759,574	
194	62	5-Nov-00	D1	285	1706	1970	264	10106	5	16,572	1,190,336	14,894	774,468	
195	63	6-Nov-00	D1	285	845	1232	387	10493	3	12,255	1,202,591	14,894	789,362	
196	64	7-Nov-00	D1				0	10493		14,820	1,217,411	14,894	804,255	



Poplar Island Restoration Project - Phase II  
 Norfolk Dredging Company - Stockpile Production - 22-in. Dredge Pullen

Tidewater Report #	Norfolk Report #	Date	Cut	Contractor Reported Values								Contractor Schedule		
				Ave. Width Cut (ft)	Begin Station	End Station	Linear Feet	Cumulative Linear Feet	Cut Depth Feet	Excavation Cut CY	Excavation Cum. Cut CY	Excavation Cut CY	Excavation Cum. Cut CY	
197	65	8-Nov-00	D1	285	635	1055	420	10913	4	17,733	1,235,144	14,894	819,149	
198	66	9-Nov-00	D1	285	1055	1340	285	11198	2.5	7,521	1,242,665	14,894	834,043	
199	67	10-Nov-00	D1	285	1340	1850	510	11708	3.5	18,842	1,261,507	14,894	848,936	
200	68	11-Nov-00	D1	285	1850	1980	130	11838	4	12,602	1,274,109	14,894	863,830	
201	69	12-Nov-00	D1	385	180	310	130	11968	13.5	25,025	1,299,134	14,894	878,723	
202	70	13-Nov-00	D1	385	55	180	125	12093	12.5	22,280	1,321,414	14,894	893,617	
203	71	14-Nov-00	D1	385	50	250	200	12293	12.9	19,247	1,340,661	14,894	908,511	
204	72	15-Nov-00	D1	210	50	150	100	12393	14.5	12,244	1,352,905	14,894	923,404	
205	73	16-Nov-00	D1	210	-130	-30	100	12493	14.5	17,538	1,370,443	14,894	938,298	
206	74	17-Nov-00	D1	210	-190	-130	60	12553	14.5	13,023	1,383,466	14,894	953,191	
207	75	18-Nov-00	D1	155	-70	50	120	12673	14	17,487	1,400,953	14,894	968,085	
208	76	19-Nov-00	D1	325	0	125	125	12798	15.5	23,322	1,424,275	14,894	982,979	
209	77	20-Nov-00	D1	200	-165	-125	40	12838	15	4,444	1,428,719	14,894	997,872	
210	78	21-Nov-00					0	12838		0	1,428,719	14,894	1,012,766	
211	79	22-Nov-00	F1	0	0	0	0	12838	0	0	1,428,719	14,894	1,027,660	
212	80	23-Nov-00	F1	430	-14	120	134	12972	2.8	5,975	1,434,694	14,894	1,042,553	
213	81	24-Nov-00	F1	430	120	450	330	13302	4	21,022	1,455,716	14,894	1,057,447	
214	82	25-Nov-00	F1	350	430	800	370	13672	4.4	24,525	1,480,241	14,894	1,072,340	
215	83	26-Nov-00	F1	400	800	1110	310	13982	4.5	20,666	1,500,907	14,894	1,087,234	
216	84	27-Nov-00	F1	380	1110	1370	260	14242	5.4	19,760	1,520,667	14,894	1,102,128	
217	85	28-Nov-00	F1	350	1370	1620	250	14492	5.7	18,472	1,539,139	14,894	1,117,021	
218	86	29-Nov-00	F1	287	1620	1753	133	14625	7.5	20,228	1,559,367	14,894	1,131,915	
219	87	30-Nov-00	F1	243	1300	1623	323	14948	6.1	17,732	1,577,099	14,894	1,146,809	
220	88	1-Dec-00	F1	350	1623	1754	131	15079	6.1	10,358	1,587,457	14,894	1,161,702	
221	89	2-Dec-00	G1				0	15079		17,336	1,604,793	14,894	1,176,596	
222	90	3-Dec-00	G1				0	15079		17,335	1,622,128	14,894	1,191,489	
223	91	4-Dec-00	G1 & G2	140	760	935	406	15485	4.1	6,303	1,628,431	14,894	1,206,383	
224	92	5-Dec-00	G2	255	460	760	300	15785	3.7	10,483	1,638,914	14,894	1,221,277	
225	93	6-Dec-00	G2	250	150	460	310	16095	4.7	22,009	1,660,923	14,894	1,236,170	
226	94	7-Dec-00	G2	260	200	550	350	16445	5	16,852	1,677,775	14,894	1,251,064	
227	95	8-Dec-00	G2	260	-50	200	250	16695	4.7	15,945	1,693,720	14,894	1,265,957	
228	96	9-Dec-00	G2	380	580	855	275	16970	4.5	17,417	1,711,137	14,894	1,280,851	
229	97	10-Dec-00	G2	400	1625	1915	290	17260	5.5	23,630	1,734,767	14,894	1,295,745	
230	98	11-Dec-00	G2	400	1390	1625	235	17495	6.5	22,630	1,757,397	14,894	1,310,638	
231	99	12-Dec-00	G2	400	1340	1390	50	17545	9.8	7,259	1,764,656	14,894	1,325,532	
232	100	13-Dec-00	G2	400	1225	1340	115	17660	6.8	11,819	1,776,475	14,894	1,340,426	
233	101	14-Dec-00	G2	175	1080	1225	145	17805	11.3	17,355	1,793,830	14,894	1,355,319	
234	102	15-Dec-00	F1	405	1750	1910	160	17965	4.9	11,760	1,805,590	14,894	1,370,213	
235	103	16-Dec-00	F1	400	1910	2095	185	18150	9	24,667	1,830,257	14,894	1,385,106	
236	104	17-Dec-00										14,894	1,400,000	
237	105	18-Dec-00	Dredge Pullen Demobed										14,894	1,414,894
238		19-Dec-00										14,894	1,429,787	
239		20-Dec-00										14,894	1,444,681	
240		21-Dec-00										14,894	1,459,574	
241		22-Dec-00										14,894	1,474,468	
242		23-Dec-00										14,894	1,489,362	
243		24-Dec-00										14,894	1,504,255	
244		25-Dec-00										14,894	1,519,149	
245		26-Dec-00										14,894	1,534,043	
246		27-Dec-00										14,894	1,548,936	
247		28-Dec-00										14,894	1,563,830	
248		29-Dec-00										14,894	1,578,723	
249		30-Dec-00										14,894	1,593,617	
250		31-Dec-00										14,894	1,608,511	
251		1-Jan-01										14,894	1,623,404	
253		2-Jan-01										14,894	1,638,298	
254		3-Jan-01										14,894	1,653,191	
255		4-Jan-01										14,894	1,668,085	
256		5-Jan-01										14,894	1,682,979	
257		6-Jan-01										14,894	1,697,872	
258		7-Jan-01										14,894	1,712,766	
259		8-Jan-01										14,894	1,727,660	
260		9-Jan-01										14,894	1,742,553	
261		10-Jan-01										14,894	1,757,447	

Poplar Island Restoration Project - Phase II  
 Norfolk Dredging Company - Stockpile Production - 22-in. Dredge Pullen

Tidewater Report #	Norfolk Report #	Date	Contractor Reported Values									Contractor Schedule	
			Cut	Ave. Width Cut (ft)	Begin Station	End Station	Linear Feet	Cumulative Linear Feet	Cut Dept Feet	Excavation Cut CY	Excavation Cum. Cut CY	Excavation Cut CY	Excavation Cum. Cut CY
262		11-Jan-01										14,894	1,772,340
263		12-Jan-01										14,894	1,787,234
264		13-Jan-01										14,894	1,802,128
265		14-Jan-01										14,894	1,817,021
266		15-Jan-01										14,894	1,831,915
267		16-Jan-01										14,894	1,846,809
268		17-Jan-01										14,894	1,861,702
269		18-Jan-01										14,894	1,876,596
270		19-Jan-01										14,894	1,891,489
271		20-Jan-01										14,894	1,906,383
272		21-Jan-01										14,894	1,921,277
273		22-Jan-01										14,894	1,936,170
274		23-Jan-01										14,894	1,951,064
275		24-Jan-01										14,894	1,965,957
276		25-Jan-01										14,894	1,980,851
277		26-Jan-01										14,894	1,995,745
278		27-Jan-01										14,894	2,010,638
279		28-Jan-01										14,894	2,025,532
280		29-Jan-01										14,894	2,040,426
281		30-Jan-01										14,894	2,055,319
282		31-Jan-01										14,894	2,070,213
283		1-Feb-01										14,894	2,085,106
284		2-Feb-01										14,894	2,100,000
285		3-Feb-01										14,894	2,114,894
286		4-Feb-01										14,894	2,129,787
287		5-Feb-01										14,894	2,144,681
288		6-Feb-01										14,894	2,159,574
289		7-Feb-01										14,894	2,174,468
290		8-Feb-01										14,894	2,189,362
291		9-Feb-01										14,894	2,204,255
292		10-Feb-01										14,894	2,219,149
293		11-Feb-01										14,894	2,234,043
294		12-Feb-01										14,894	2,248,936
295		13-Feb-01										14,894	2,263,830
296		14-Feb-01										14,894	2,278,723
297		15-Feb-01										14,894	2,293,617
298		16-Feb-01										14,894	2,308,511
299		17-Feb-01										14,894	2,323,404
300		18-Feb-01										14,894	2,338,298
301		19-Feb-01										14,894	2,353,191
302		20-Feb-01										14,894	2,368,085
303		21-Feb-01										14,894	2,382,979
304		22-Feb-01										14,894	2,397,872
305		23-Feb-01										2,128	2,400,000
306		24-Feb-01											
307		25-Feb-01											
308		26-Feb-01											
309		27-Feb-01											
310		28-Feb-01											
311		1-Mar-01											
312	106	2-Mar-01	Dredge Pullen Arrives										
313	107	3-Mar-01											
314	108	4-Mar-01											
315	109	5-Mar-01											
316	110	6-Mar-01											
317	111	7-Mar-01											
318	112	8-Mar-01	F1	450	950	1040	90	18240	5	7,500	1,837,757		
319	113	9-Mar-01	F1	450	1040	1400	360	18600	4	24,000	1,861,757		
320	114	10-Mar-01	F1	450	1400	1600	200	18800	4.2	14,000	1,875,757		
321	115	11-Mar-01	F1	450	1600	1800	200	19000	5.6	18,667	1,894,424		
322	116	12-Mar-01	F1	450	1800	1910	110	19110	8.9	16,317	1,910,741		
323	117	13-Mar-01	F1	450	1910	2010	100	19210	9.2	15,333	1,926,074		
324	118	14-Mar-01	F1	450	2010	2110	100	19310	9.3	15,500	1,941,574		
325	119	15-Mar-01	F1 & G3	450/160	2110	2140	122	19432	8	11,946	1,953,520		

Poplar Island Restoration Project - Phase II  
 Norfolk Dredging Company - Stockpile Production - 22-in. Dredge Pullen

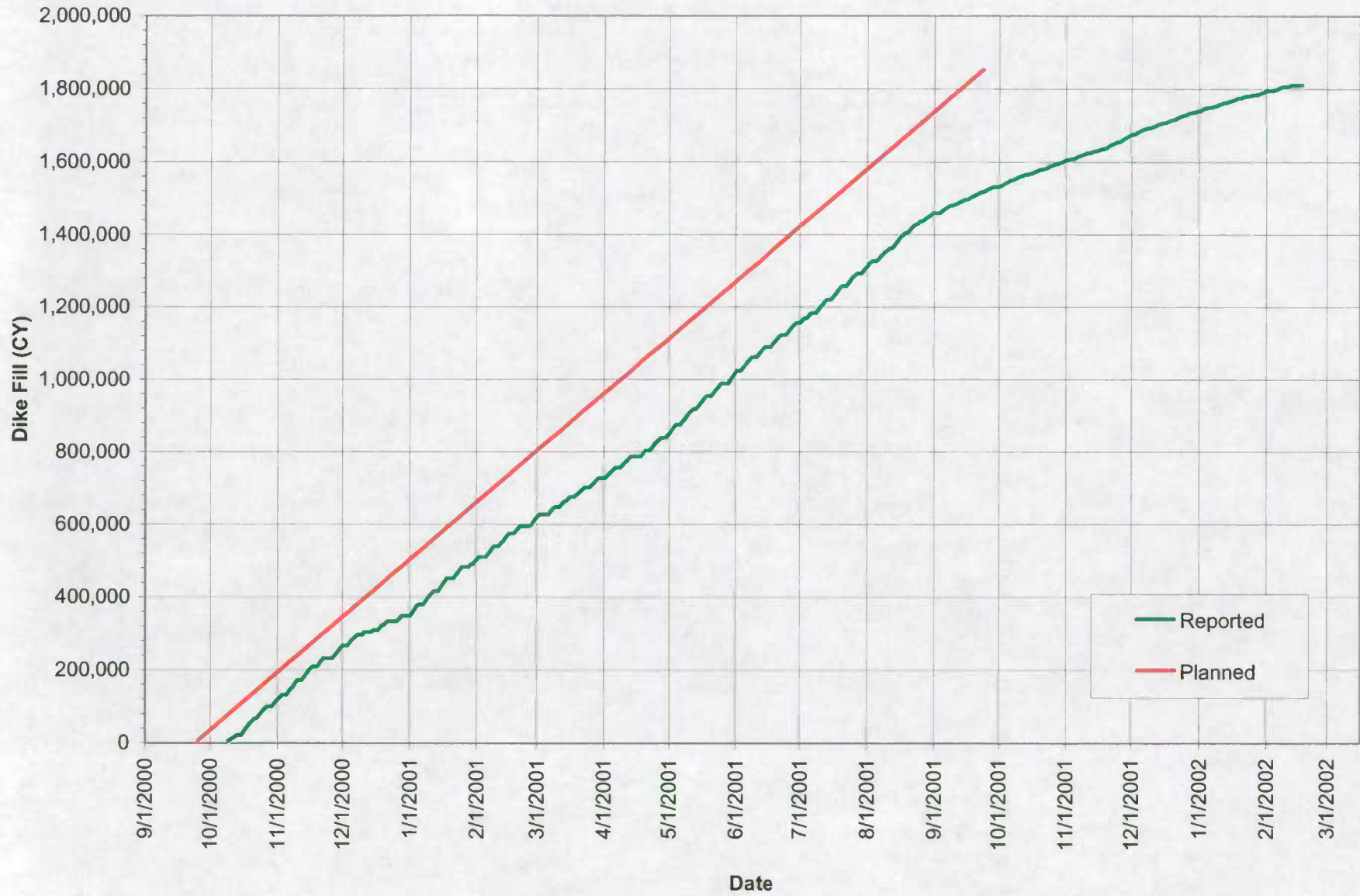
Tidewater Report #	Norfolk Report #	Date	Contractor Reported Values										Contractor Schedule	
			Cut	Ave. Width Cut (ft)	Begin Station	End Station	Linear Feet	Cumulative Linear Feet	Cut Depth Feet	Excavation Cut CY	Excavation Cum. Cut CY	Excavation Cut CY	Excavation Cum. Cut CY	
326	120	16-Mar-01	G3	160	92	298	206	19638	7	17,090	1,970,610			
327	121	17-Mar-01	G3	160	298	477	179	19817	7.5	15,911	1,986,521			
328	122	18-Mar-01	G3	320	477	625	148	19965	10.2	17,891	2,004,412			
329	123	19-Mar-01	G3	320	625	796	171	20136	8.9	18,037	2,022,449			
330	124	20-Mar-01	G3	320	796	950	154	20290	8.2	14,967	2,037,416			
331	125	21-Mar-01	G3	320	950	1085	135	20425	8.7	13,920	2,051,336			
332	126	22-Mar-01	G3&G4	320	1085	1160	75	20500	11	9,333	2,060,669			
333	127	23-Mar-01	G3&G4	320	1160	1270	110	20610	11.2	14,601	2,075,270			
334	128	24-Mar-01	G4	320	1270	1460	190	20800	9	20,267	2,095,537			
335	129	25-Mar-01	G4	320	1460	1630	170	20970	10	20,148	2,115,685			
336	130	26-Mar-01	G4	320	1630	1760	130	21100	11.3	17,410	2,133,095			
337	131	27-Mar-01	G4	320	1565	1780	215	21315	7.2	9,280	2,142,375			
338	132	28-Mar-01	G4	320	1780	1910	130	21445	11.3	17,410	2,159,785			
339	133	29-Mar-01	G4	320	1910	2010	100	21545	11.8	13,985	2,173,770			
340	134	30-Mar-01	G4&F1	365	2010	2200	190	21735	9.4	16,090	2,189,860			
341	135	31-Mar-01	F1	450	2200	2330	130	21865	9	19,500	2,209,360			
342	136	1-Apr-01	F1	450	2330	2450	120	21985	9	18,000	2,227,360			
343	137	2-Apr-01	F1	450	2450	2530	80	22065	8.5	11,333	2,238,693			
344	138	3-Apr-01	F1	425	2530	2595	120	22185	8.9	17,056	2,255,749			
345	139	4-Apr-01	F1	400	2150	2275	125	22310	10.1	18,704	2,274,453			
346	140	5-Apr-01	F1	400	2275	2435	160	22470	8	18,963	2,293,416			
347	141	6-Apr-01	F1	400	2435	2570	135	22605	9.7	19,400	2,312,816			
348	142	7-Apr-01	F1&F2	360	2570	2640	100	22705	9.1	11,923	2,324,739			
349	143	8-Apr-01	F2	160	1225	1550	325	23030	6.7	12,904	2,337,643			
350	144	9-Apr-01	F2	240	1120	1330	210	23240	6.2	11,574	2,349,217			
351	145	10-Apr-01	F2	320	1020	1120	100	23340	6.5	7,704	2,356,921			
352	146	11-Apr-01	F2	320	887	1020	133	23473	6.5	10,245	2,367,166			
353	147	12-Apr-01	F2	320	660	887	227	23700	7.2	19,370	2,386,536			
354	148	13-Apr-01	F2	320	439	660	221	23921	7.5	19,644	2,406,180			
355	149	14-Apr-01	F2	320	175	439	264	24185	5.7	17,834	2,424,014			
356	150	15-Apr-01	F2&F1	360	0	175	175	24360	2.8	11,586	2,435,600			
357	151	16-Apr-01	F1	350	1570	1850	280	24640	4	14,518	2,450,118			
358	152	17-Apr-01	F1	400	1850	2120	270	24910	2.8	11,200	2,461,318			
359	153	18-Apr-01	F1	400	2120	2365	245	25155	3.2	11,615	2,472,933			
360	154	19-Apr-01	F1&F2	380	1400	1490	205	25360	5.2	14,634	2,487,567			
361	155	20-Apr-01	F1&F2	240	900	990	160	25520	6.8	11,520	2,499,087			
362		21-Apr-01	Dredge Pullen Demobed											

Values in italics are estimated by GBA

2,499,087  
17,001

#### **4.7 Planned and Reported Production for Dike Fill**

### Dike Fill Reported Production vs. Planned Production



Poplar Island Restoration Project - Phase II  
George & Lynch Reported Production

Tidewater Report #	Day	Date	Reported		Projected	Planned	
			Daily	Cummulative		Daily	Cummulative
1	Tue	25-Apr-00					
154	Mon	25-Sep-00				5,085	5,085
155	Tue	26-Sep-00				5,085	10,170
156	Wed	27-Sep-00				5,085	15,255
157	Thu	28-Sep-00				5,085	20,340
158	Fri	29-Sep-00				5,085	25,425
159	Sat	30-Sep-00				5,085	30,510
160	Sun	1-Oct-00				5,085	35,595
161	Mon	2-Oct-00				5,085	40,680
162	Tue	3-Oct-00				5,085	45,765
163	Wed	4-Oct-00				5,085	50,850
164	Thu	5-Oct-00				5,085	55,935
165	Fri	6-Oct-00	earthwork			5,085	61,020
166	Sat	7-Oct-00	earthwork			5,085	66,105
167	Sun	8-Oct-00	earthwork			5,085	71,190
168	Mon	9-Oct-00	4104	4,104		5,085	76,275
169	Tue	10-Oct-00	3120	7,224		5,085	81,360
170	Wed	11-Oct-00	3500	10,724		5,085	86,445
171	Thu	12-Oct-00	4424	15,148		5,085	91,530
172	Fri	13-Oct-00	4500	19,648		5,085	96,615
173	Sat	14-Oct-00	0	19,648		5,085	101,700
174	Sun	15-Oct-00	0	19,648		5,085	106,785
175	Mon	16-Oct-00	8338	27,986		5,085	111,870
176	Tue	17-Oct-00	9064	37,050		5,085	116,955
177	Wed	18-Oct-00	7612	44,662		5,085	122,040
178	Thu	19-Oct-00	7612	52,274		5,085	127,125
179	Fri	20-Oct-00	5852	58,126		5,085	132,210
180	Sat	21-Oct-00	7546	65,672		5,085	137,295
181	Sun	22-Oct-00	0	65,672		5,085	142,380
182	Mon	23-Oct-00	7000	72,672		5,085	147,465
183	Tue	24-Oct-00	6992	79,664		5,085	152,550
184	Wed	25-Oct-00	6952	86,616		5,085	157,635
185	Thu	26-Oct-00	6972	93,588		5,085	162,720
186	Fri	27-Oct-00	4664	98,252		5,085	167,805
187	Sat	28-Oct-00	0	98,252		5,085	172,890
188	Sun	29-Oct-00	0	98,252		5,085	177,975
189	Mon	30-Oct-00	6778	105,030		5,085	183,060
190	Tue	31-Oct-00	7482	112,512		5,085	188,145
191	Wed	1-Nov-00	6088	118,600		5,085	193,230
192	Thu	2-Nov-00	5310	123,910		5,085	198,315
193	Fri	3-Nov-00	6266	130,176		5,085	203,400
194	Sat	4-Nov-00	0	130,176		5,085	208,485
195	Sun	5-Nov-00	0	130,176		5,085	213,570
196	Mon	6-Nov-00	8914	139,090		5,085	218,655
197	Tue	7-Nov-00	7192	146,282		5,085	223,740
198	Wed	8-Nov-00	7280	153,562		5,085	228,825
199	Thu	9-Nov-00	9462	163,024		5,085	233,910
200	Fri	10-Nov-00	7286	170,310		5,085	238,995
201	Sat	11-Nov-00	0	170,310		5,085	244,080
202	Sun	12-Nov-00	0	170,310		5,085	249,165
203	Mon	13-Nov-00	8764	179,074		5,085	254,250
204	Tue	14-Nov-00	8240	187,314		5,085	259,335
205	Wed	15-Nov-00	7742	195,056		5,085	264,420
206	Thu	16-Nov-00	7262	202,318		5,085	269,505
207	Fri	17-Nov-00	5472	207,790		5,085	274,590

Poplar Island Restoration Project - Phase II  
George & Lynch Reported Production

Tidewater Report #	Day	Date	Reported		Projected	Planned	
			Daily	Cummulative		Daily	Cummulative
208	Sat	18-Nov-00	0	207,790		5,085	279,675
209	Sun	19-Nov-00	0	207,790		5,085	284,760
210	Mon	20-Nov-00	6682	214,472		5,085	289,845
211	Tue	21-Nov-00	9308	223,780		5,085	294,930
212	Wed	22-Nov-00	6776	230,556		5,085	300,015
213	Thu	23-Nov-00	0	230,556		5,085	305,100
214	Fri	24-Nov-00	0	230,556		5,085	310,185
215	Sat	25-Nov-00	0	230,556		5,085	315,270
216	Sun	26-Nov-00	0	230,556		5,085	320,355
217	Mon	27-Nov-00	6324	236,880		5,085	325,440
218	Tue	28-Nov-00	7000	243,880		5,085	330,525
219	Wed	29-Nov-00	8206	252,086		5,085	335,610
220	Thu	30-Nov-00	6988	259,074		5,085	340,695
221	Fri	1-Dec-00	5938	265,012		5,085	345,780
222	Sat	2-Dec-00	0	265,012		5,085	350,865
223	Sun	3-Dec-00	0	265,012		5,085	355,950
224	Mon	4-Dec-00	7958	272,970		5,085	361,035
225	Tue	5-Dec-00	7210	280,180		5,085	366,120
226	Wed	6-Dec-00	5130	285,310		5,085	371,205
227	Thu	7-Dec-00	6138	291,448		5,085	376,290
228	Fri	8-Dec-00	4056	295,504		5,085	381,375
229	Sat	9-Dec-00	0	295,504		5,085	386,460
230	Sun	10-Dec-00	0	295,504		5,085	391,545
231	Mon	11-Dec-00	6924	302,428		5,085	396,630
232	Tue	12-Dec-00	0	302,428		5,085	401,715
233	Wed	13-Dec-00	0	302,428		5,085	406,800
234	Thu	14-Dec-00	0	302,428		5,085	411,885
235	Fri	15-Dec-00	4954	307,382		5,085	416,970
236	Sat	16-Dec-00	0	307,382		5,085	422,055
237	Sun	17-Dec-00	0	307,382		5,085	427,140
238	Mon	18-Dec-00	6274	313,656		5,085	432,225
239	Tue	19-Dec-00	8228	321,884		5,085	437,310
240	Wed	20-Dec-00	0	321,884		5,085	442,395
241	Thu	21-Dec-00	8054	329,938		5,085	447,480
242	Fri	22-Dec-00	2860	332,798		5,085	452,565
243	Sat	23-Dec-00	0	332,798		5,085	457,650
244	Sun	24-Dec-00	0	332,798		5,085	462,735
245	Mon	25-Dec-00	0	332,798		5,085	467,820
246	Tue	26-Dec-00	0	332,798		5,085	472,905
247	Wed	27-Dec-00	6996	339,794		5,085	477,990
248	Thu	28-Dec-00	7062	346,856		5,085	483,075
249	Fri	29-Dec-00	0	346,856		5,085	488,160
250	Sat	30-Dec-00	0	346,856		5,085	493,245
251	Sun	31-Dec-00	0	346,856		5,085	498,330
252	Mon	1-Jan-01	0	346,856		5,085	503,415
253	Tue	2-Jan-01	8808	355,664		5,085	508,500
254	Wed	3-Jan-01	8698	364,362		5,085	513,585
255	Thu	4-Jan-01	9942	374,304		5,085	518,670
256	Fri	5-Jan-01	4180	378,484		5,085	523,755
257	Sat	6-Jan-01	0	378,484		5,085	528,840
258	Sun	7-Jan-01	0	378,484		5,085	533,925
259	Mon	8-Jan-01	8666	387,150		5,085	539,010
260	Tue	9-Jan-01	7960	395,110		5,085	544,095
261	Wed	10-Jan-01	8050	403,160		5,085	549,180
262	Thu	11-Jan-01	6770	409,930		5,085	554,265

Poplar Island Restoration Project - Phase II  
George & Lynch Reported Production

Tidewater Report #	Day	Date	Reported		Projected	Planned	
			Daily	Cummulative		Daily	Cummulative
263	Fri	12-Jan-01	5574	415,504		5,085	559,350
264	Sat	13-Jan-01	0	415,504		5,085	564,435
265	Sun	14-Jan-01	0	415,504		5,085	569,520
266	Mon	15-Jan-01	8704	424,208		5,085	574,605
267	Tue	16-Jan-01	9176	433,384		5,085	579,690
268	Wed	17-Jan-01	8638	442,022		5,085	584,775
269	Thu	18-Jan-01	8218	450,240		5,085	589,860
270	Fri	19-Jan-01	0	450,240		5,085	594,945
271	Sat	20-Jan-01	0	450,240		5,085	600,030
272	Sun	21-Jan-01	0	450,240		5,085	605,115
273	Mon	22-Jan-01	7956	458,196		5,085	610,200
274	Tue	23-Jan-01	8168	466,364		5,085	615,285
275	Wed	24-Jan-01	7314	473,678		5,085	620,370
276	Thu	25-Jan-01	7732	481,410		5,085	625,455
277	Fri	26-Jan-01	0	481,410		5,085	630,540
278	Sat	27-Jan-01	0	481,410		5,085	635,625
279	Sun	28-Jan-01	0	481,410		5,085	640,710
280	Mon	29-Jan-01	7652	489,062		5,085	645,795
281	Tue	30-Jan-01	0	489,062		5,085	650,880
282	Wed	31-Jan-01	7876	496,938		5,085	655,965
283	Thu	1-Feb-01	6552	503,490		5,085	661,050
284	Fri	2-Feb-01	5288	508,778		5,085	666,135
285	Sat	3-Feb-01	0	508,778		5,085	671,220
286	Sun	4-Feb-01	0	508,778		5,085	676,305
287	Mon	5-Feb-01	0	508,778		5,085	681,390
288	Tue	6-Feb-01	7526	516,304		5,085	686,475
289	Wed	7-Feb-01	7450	523,754		5,085	691,560
290	Thu	8-Feb-01	8576	532,330		5,085	696,645
291	Fri	9-Feb-01	6346	538,676		5,085	701,730
292	Sat	10-Feb-01	0	538,676		5,085	706,815
293	Sun	11-Feb-01	0	538,676		5,085	711,900
294	Mon	12-Feb-01	7520	546,196		5,085	716,985
295	Tue	13-Feb-01	6466	552,662		5,085	722,070
296	Wed	14-Feb-01	8110	560,772		5,085	727,155
297	Thu	15-Feb-01	7612	568,384		5,085	732,240
298	Fri	16-Feb-01	5406	573,790		5,085	737,325
299	Sat	17-Feb-01	0	573,790		5,085	742,410
300	Sun	18-Feb-01	0	573,790		5,085	747,495
301	Mon	19-Feb-01	6646	580,436		5,085	752,580
302	Tue	20-Feb-01	6270	586,706		5,085	757,665
303	Wed	21-Feb-01	6598	593,304		5,085	762,750
304	Thu	22-Feb-01	0	593,304		5,085	767,835
305	Fri	23-Feb-01	0	593,304		5,085	772,920
306	Sat	24-Feb-01	0	593,304		5,085	778,005
307	Sun	25-Feb-01	0	593,304		5,085	783,090
308	Mon	26-Feb-01	2778	596,082		5,085	788,175
309	Tue	27-Feb-01	8962	605,044		5,085	793,260
310	Wed	28-Feb-01	7922	612,966		5,085	798,345
311	Thu	1-Mar-01	7436	620,402		5,085	803,430
312	Fri	2-Mar-01	5896	626,298		5,085	808,515
313	Sat	3-Mar-01	0	626,298		5,085	813,600
314	Sun	4-Mar-01	0	626,298		5,085	818,685
315	Mon	5-Mar-01	0	626,298		5,085	823,770
316	Tue	6-Mar-01	0	626,298		5,085	828,855
317	Wed	7-Mar-01	7754	634,052		5,085	833,940



Poplar Island Restoration Project - Phase II  
George & Lynch Reported Production

Tidewater Report #	Day	Date	Reported		Projected	Planned	
			Daily	Cummulative		Daily	Cummulative
318	Thu	8-Mar-01	8280	642,332		5,085	839,025
319	Fri	9-Mar-01	4442	646,774		5,085	844,110
320	Sat	10-Mar-01	0	646,774		5,085	849,195
321	Sun	11-Mar-01	0	646,774		5,085	854,280
322	Mon	12-Mar-01	7234	654,008		5,085	859,365
323	Tue	13-Mar-01	6550	660,558		5,085	864,450
324	Wed	14-Mar-01	2528	663,086		5,085	869,535
325	Thu	15-Mar-01	5676	668,762		5,085	874,620
326	Fri	16-Mar-01	5744	674,506		5,085	879,705
327	Sat	17-Mar-01	0	674,506		5,085	884,790
328	Sun	18-Mar-01	0	674,506		5,085	889,875
329	Mon	19-Mar-01	5128.4	679,634		5,085	894,960
330	Tue	20-Mar-01	5128.4	684,763		5,085	900,045
331	Wed	21-Mar-01	5128.4	689,891		5,085	905,130
332	Thu	22-Mar-01	5128.4	695,020		5,085	910,215
333	Fri	23-Mar-01	5128.4	700,148		5,085	915,300
334	Sat	24-Mar-01	0	700,148		5,085	920,385
335	Sun	25-Mar-01	0	700,148		5,085	925,470
336	Mon	26-Mar-01	5594	705,742		5,085	930,555
337	Tue	27-Mar-01	6714	712,456		5,085	935,640
338	Wed	28-Mar-01	6346	718,802		5,085	940,725
339	Thu	29-Mar-01	6652	725,454		5,085	945,810
340	Fri	30-Mar-01	0	725,454		5,085	950,895
341	Sat	31-Mar-01	0	725,454		5,085	955,980
342	Sun	1-Apr-01	0	725,454		5,085	961,065
343	Mon	2-Apr-01	6462	731,916		5,085	966,150
344	Tue	3-Apr-01	5148	737,064		5,085	971,235
345	Wed	4-Apr-01	6750	743,814		5,085	976,320
346	Thu	5-Apr-01	6312	750,126		5,085	981,405
347	Fri	6-Apr-01	4870	754,996		5,085	986,490
348	Sat	7-Apr-01	0	754,996		5,085	991,575
349	Sun	8-Apr-01	0	754,996		5,085	996,660
350	Mon	9-Apr-01	6140	761,136		5,085	1,001,745
351	Tue	10-Apr-01	7760	768,896		5,085	1,006,830
352	Wed	11-Apr-01	4552	773,448		5,085	1,011,915
353	Thu	12-Apr-01	7250	780,698		5,085	1,017,000
354	Fri	13-Apr-01	5034	785,732		5,085	1,022,085
355	Sat	14-Apr-01	0	785,732		5,085	1,027,170
356	Sun	15-Apr-01	0	785,732		5,085	1,032,255
357	Mon	16-Apr-01	0	785,732		5,085	1,037,340
358	Tue	17-Apr-01	0	785,732		5,085	1,042,425
359	Wed	18-Apr-01	0	785,732		5,085	1,047,510
360	Thu	19-Apr-01	8460	794,192		5,085	1,052,595
361	Fri	20-Apr-01	8052	802,244		5,085	1,057,680
362	Sat	21-Apr-01	0	802,244		5,085	1,062,765
363	Sun	22-Apr-01	0	802,244		5,085	1,067,850
364	Mon	23-Apr-01	7266	809,510		5,085	1,072,935
365	Tue	24-Apr-01	8280	817,790		5,085	1,078,020
366	Wed	25-Apr-01	7806	825,596		5,085	1,083,105
367	Thu	26-Apr-01	6486	832,082		5,085	1,088,190
368	Fri	27-Apr-01	5230	837,312		5,085	1,093,275
369	Sat	28-Apr-01	0	837,312		5,085	1,098,360
370	Sun	29-Apr-01	0	837,312		5,085	1,103,445
371	Mon	30-Apr-01	7190	844,502		5,085	1,108,530
372	Tue	1-May-01	7462	851,964		5,085	1,113,615

Poplar Island Restoration Project - Phase II  
George & Lynch Reported Production

Tidewater Report #	Day	Date	Reported		Projected	Planned	
			Daily	Cummulative		Daily	Cummulative
373	Wed	2-May-01	7508	859,472		5,085	1,118,700
374	Thu	3-May-01	7772	867,244		5,085	1,123,785
375	Fri	4-May-01	6096	873,340		5,085	1,128,870
376	Sat	5-May-01	0	873,340		5,085	1,133,955
377	Sun	6-May-01	0	873,340		5,085	1,139,040
378	Mon	7-May-01	8080	881,420		5,085	1,144,125
379	Tue	8-May-01	7514	888,934		5,085	1,149,210
380	Wed	9-May-01	8442	897,376		5,085	1,154,295
381	Thu	10-May-01	8068	905,444		5,085	1,159,380
382	Fri	11-May-01	6100	911,544		5,085	1,164,465
383	Sat	12-May-01	4670	916,214		5,085	1,169,550
384	Sun	13-May-01	0	916,214		5,085	1,174,635
385	Mon	14-May-01	7622	923,836		5,085	1,179,720
386	Tue	15-May-01	7706	931,542		5,085	1,184,805
387	Wed	16-May-01	7086	938,628		5,085	1,189,890
388	Thu	17-May-01	8598	947,226		5,085	1,194,975
389	Fri	18-May-01	5716	952,942		5,085	1,200,060
390	Sat	19-May-01	0	952,942		5,085	1,205,145
391	Sun	20-May-01	0	952,942		5,085	1,210,230
392	Mon	21-May-01	6074	959,016		5,085	1,215,315
393	Tue	22-May-01	7710	966,726		5,085	1,220,400
394	Wed	23-May-01	6424	973,150		5,085	1,225,485
395	Thu	24-May-01	7882	981,032		5,085	1,230,570
396	Fri	25-May-01	6348	987,380		5,085	1,235,655
397	Sat	26-May-01	0	987,380		5,085	1,240,740
398	Sun	27-May-01	0	987,380		5,085	1,245,825
399	Mon	28-May-01	0	987,380		5,085	1,250,910
400	Tue	29-May-01	8914	996,294		5,085	1,255,995
401	Wed	30-May-01	8684	1,004,978		5,085	1,261,080
402	Thu	31-May-01	8866	1,013,844		5,085	1,266,165
403	Fri	1-Jun-01	8716	1,022,560		5,085	1,271,250
404	Sat	2-Jun-01	0	1,022,560		5,085	1,276,335
405	Sun	3-Jun-01	0	1,022,560		5,085	1,281,420
406	Mon	4-Jun-01	8282	1,030,842		5,085	1,286,505
407	Tue	5-Jun-01	7224	1,038,066		5,085	1,291,590
408	Wed	6-Jun-01	7554	1,045,620		5,085	1,296,675
409	Thu	7-Jun-01	7554	1,053,174		5,085	1,301,760
410	Fri	8-Jun-01	7200	1,060,374		5,085	1,306,845
411	Sat	9-Jun-01	0	1,060,374		5,085	1,311,930
412	Sun	10-Jun-01	0	1,060,374		5,085	1,317,015
413	Mon	11-Jun-01	7148	1,067,522		5,085	1,322,100
414	Tue	12-Jun-01	7084	1,074,606		5,085	1,327,185
415	Wed	13-Jun-01	7906	1,082,512		5,085	1,332,270
416	Thu	14-Jun-01	6032	1,088,544		5,085	1,337,355
417	Fri	15-Jun-01	0	1,088,544		5,085	1,342,440
418	Sat	16-Jun-01	0	1,088,544		5,085	1,347,525
419	Sun	17-Jun-01	0	1,088,544		5,085	1,352,610
420	Mon	18-Jun-01	7226	1,095,770		5,085	1,357,695
421	Tue	19-Jun-01	7464	1,103,234		5,085	1,362,780
422	Wed	20-Jun-01	6864	1,110,098		5,085	1,367,865
423	Thu	21-Jun-01	6842	1,116,940		5,085	1,372,950
424	Fri	22-Jun-01	4752	1,121,692		5,085	1,378,035
425	Sat	23-Jun-01	0	1,121,692		5,085	1,383,120
426	Sun	24-Jun-01	0	1,121,692		5,085	1,388,205
427	Mon	25-Jun-01	7392	1,129,084		5,085	1,393,290

Poplar Island Restoration Project - Phase II  
George & Lynch Reported Production

Tidewater Report #	Day	Date	Reported		Projected	Planned	
			Daily	Cummulative		Daily	Cummulative
428	Tue	26-Jun-01	7618	1,136,702		5,085	1,398,375
429	Wed	27-Jun-01	7034	1,143,736		5,085	1,403,460
430	Thu	28-Jun-01	6510	1,150,246		5,085	1,408,545
431	Fri	29-Jun-01	4890	1,155,136		5,085	1,413,630
432	Sat	30-Jun-01	0	1,155,136		5,085	1,418,715
433	Sun	1-Jul-01	0	1,155,136		5,085	1,423,800
434	Mon	2-Jul-01	7656	1,162,792		5,085	1,428,885
435	Tue	3-Jul-01	5426	1,168,218		5,085	1,433,970
436	Wed	4-Jul-01	0	1,168,218		5,085	1,439,055
437	Thu	5-Jul-01	8148	1,176,366		5,085	1,444,140
438	Fri	6-Jul-01	5764	1,182,130		5,085	1,449,225
439	Sat	7-Jul-01	0	1,182,130		5,085	1,454,310
440	Sun	8-Jul-01	0	1,182,130		5,085	1,459,395
441	Mon	9-Jul-01	8192	1,190,322		5,085	1,464,480
442	Tue	10-Jul-01	8596	1,198,918		5,085	1,469,565
443	Wed	11-Jul-01	7448	1,206,366		5,085	1,474,650
444	Thu	12-Jul-01	7598	1,213,964		5,085	1,479,735
445	Fri	13-Jul-01	5464	1,219,428		5,085	1,484,820
446	Sat	14-Jul-01	0	1,219,428		5,085	1,489,905
447	Sun	15-Jul-01	0	1,219,428		5,085	1,494,990
448	Mon	16-Jul-01	8008	1,227,436		5,085	1,500,075
449	Tue	17-Jul-01	7700	1,235,136		5,085	1,505,160
450	Wed	18-Jul-01	7644	1,242,780		5,085	1,510,245
451	Thu	19-Jul-01	8336	1,251,116		5,085	1,515,330
452	Fri	20-Jul-01	5546	1,256,662		5,085	1,520,415
453	Sat	21-Jul-01	0	1,256,662		5,085	1,525,500
454	Sun	22-Jul-01	0	1,256,662		5,085	1,530,585
455	Mon	23-Jul-01	8412	1,265,074		5,085	1,535,670
456	Tue	24-Jul-01	7814	1,272,888		5,085	1,540,755
457	Wed	25-Jul-01	8308	1,281,196		5,085	1,545,840
458	Thu	26-Jul-01	4696	1,285,892		5,085	1,550,925
459	Fri	27-Jul-01	5828	1,291,720		5,085	1,556,010
460	Sat	28-Jul-01	0	1,291,720		5,085	1,561,095
461	Sun	29-Jul-01	0	1,291,720		5,085	1,566,180
462	Mon	30-Jul-01	7412	1,299,132		5,085	1,571,265
463	Tue	31-Jul-01	6910	1,306,042		5,085	1,576,350
464	Wed	1-Aug-01	8086	1,314,128		5,085	1,581,435
465	Thu	2-Aug-01	6846	1,320,974		5,085	1,586,520
466	Fri	3-Aug-01	4914	1,325,888		5,085	1,591,605
467	Sat	4-Aug-01	0	1,325,888		5,085	1,596,690
468	Sun	5-Aug-01	0	1,325,888		5,085	1,601,775
469	Mon	6-Aug-01	5888	1,331,776		5,085	1,606,860
470	Tue	7-Aug-01	7854	1,339,630		5,085	1,611,945
471	Wed	8-Aug-01	4824	1,344,454		5,085	1,617,030
472	Thu	9-Aug-01	6732	1,351,186		5,085	1,622,115
473	Fri	10-Aug-01	3986	1,355,172		5,085	1,627,200
474	Sat	11-Aug-01	5995	1,361,167		5,085	1,632,285
475	Sun	12-Aug-01	0	1,361,167		5,085	1,637,370
476	Mon	13-Aug-01	6776	1,367,943		5,085	1,642,455
477	Tue	14-Aug-01	7558	1,375,501		5,085	1,647,540
478	Wed	15-Aug-01	7948	1,383,449		5,085	1,652,625
479	Thu	16-Aug-01	7382	1,390,831		5,085	1,657,710
480	Fri	17-Aug-01	4432	1,395,263		5,085	1,662,795
481	Sat	18-Aug-01	7496	1,402,759		5,085	1,667,880
482	Sun	19-Aug-01	0	1,402,759		5,085	1,672,965

Poplar Island Restoration Project - Phase II  
George & Lynch Reported Production

Tidewater Report #	Day	Date	Reported		Projected	Planned	
			Daily	Cummulative		Daily	Cummulative
483	Mon	20-Aug-01	6160	1,408,919		5,085	1,678,050
484	Tue	21-Aug-01	6614	1,415,533		5,085	1,683,135
485	Wed	22-Aug-01	6956	1,422,489		5,085	1,688,220
486	Thu	23-Aug-01	4158	1,426,647		5,085	1,693,305
487	Fri	24-Aug-01	1980	1,428,627		5,085	1,698,390
488	Sat	25-Aug-01	6753	1,435,380		5,085	1,703,475
489	Sun	26-Aug-01	0	1,435,380		5,085	1,708,560
490	Mon	27-Aug-01	4716	1,440,096		5,085	1,713,645
491	Tue	28-Aug-01	5038	1,445,134		5,085	1,718,730
492	Wed	29-Aug-01	2956	1,448,090		5,085	1,723,815
493	Thu	30-Aug-01	4426	1,452,516		5,085	1,728,900
494	Fri	31-Aug-01	5067	1,457,583		5,085	1,733,985
495	Sat	1-Sep-01	0	1,457,583		5,085	1,739,070
496	Sun	2-Sep-01	0	1,457,583		5,085	1,744,155
497	Mon	3-Sep-01	0	1,457,583		5,085	1,749,240
498	Tue	4-Sep-01	4356	1,461,939		5,085	1,754,325
499	Wed	5-Sep-01	5456	1,467,395		5,085	1,759,410
500	Thu	6-Sep-01	4400	1,471,795		5,085	1,764,495
501	Fri	7-Sep-01	2266	1,474,061		5,085	1,769,580
502	Sat	8-Sep-01	4450	1,478,511		5,085	1,774,665
503	Sun	9-Sep-01	0	1,478,511		5,085	1,779,750
504	Mon	10-Sep-01	1936	1,480,447		5,085	1,784,835
505	Tue	11-Sep-01	2776	1,483,223		5,085	1,789,920
506	Wed	12-Sep-01	3228	1,486,451		5,085	1,795,005
507	Thu	13-Sep-01	3388	1,489,839		5,085	1,800,090
508	Fri	14-Sep-01	1810	1,491,649		5,085	1,805,175
509	Sat	15-Sep-01	3625	1,495,274		5,085	1,810,260
510	Sun	16-Sep-01	0	1,495,274		5,085	1,815,345
511	Mon	17-Sep-01	3300	1,498,574		5,085	1,820,430
512	Tue	18-Sep-01	4482	1,503,056		5,085	1,825,515
513	Wed	19-Sep-01	2156	1,505,212		5,085	1,830,600
514	Thu	20-Sep-01	3388	1,508,600		5,085	1,835,685
515	Fri	21-Sep-01	1810	1,510,410		5,085	1,840,770
516	Sat	22-Sep-01	4465	1,514,875		5,085	1,845,855
517	Sun	23-Sep-01	0	1,514,875		5,085	1,849,550
518	Mon	24-Sep-01	3300	1,518,175			
519	Tue	25-Sep-01	4482	1,522,657			
520	Wed	26-Sep-01	2156	1,524,813			
521	Thu	27-Sep-01	3192	1,528,005			
522	Fri	28-Sep-01	1320	1,529,325			
523	Sat	29-Sep-01	286	1,529,611			
524	Sun	30-Sep-01	0	1,529,611			
525	Mon	1-Oct-01	1650	1,531,261			
526	Tue	2-Oct-01	2794	1,534,055			
527	Wed	3-Oct-01	3144	1,537,199			
528	Thu	4-Oct-01	3708	1,540,907			
529	Fri	5-Oct-01	2486	1,543,393			
530	Sat	6-Oct-01	4250	1,547,643			
531	Sun	7-Oct-01	0	1,547,643			
532	Mon	8-Oct-01	3058	1,550,701			
533	Tue	9-Oct-01	3168	1,553,869			
534	Wed	10-Oct-01	2464	1,556,333			
535	Thu	11-Oct-01	2970	1,559,303			
536	Fri	12-Oct-01	1796	1,561,099			
537	Sat	13-Oct-01	2490	1,563,589			

Poplar Island Restoration Project - Phase II  
George & Lynch Reported Production

Tidewater Report #	Day	Date	Reported		Projected	Planned	
			Daily	Cummulative		Daily	Cummulative
538	Sun	14-Oct-01	0	1,563,589			
539	Mon	15-Oct-01	2064	1,565,653			
540	Tue	16-Oct-01	1672	1,567,325			
541	Wed	17-Oct-01	2178	1,569,503			
542	Thu	18-Oct-01	2642	1,572,145			
543	Fri	19-Oct-01	2132	1,574,277			
544	Sat	20-Oct-01	2760	1,577,037			
545	Sun	21-Oct-01	0	1,577,037			
546	Mon	22-Oct-01	2588	1,579,625			
547	Tue	23-Oct-01	2112	1,581,737			
548	Wed	24-Oct-01	3646	1,585,383			
549	Thu	25-Oct-01	2294	1,587,677			
550	Fri	26-Oct-01	2376	1,590,053			
551	Sat	27-Oct-01	2850	1,592,903			
552	Sun	28-Oct-01	0	1,592,903			
553	Mon	29-Oct-01	2838	1,595,741			
554	Tue	30-Oct-01	2766	1,598,507			
555	Wed	31-Oct-01	2494	1,601,001			
556	Thu	1-Nov-01	1900	1,602,901			
557	Fri	2-Nov-01	686	1,603,587			
558	Sat	3-Nov-01	2875	1,606,462			
559	Sun	4-Nov-01	0	1,606,462			
560	Mon	5-Nov-01	3014	1,609,476			
561	Tue	6-Nov-01	2894	1,612,370			
562	Wed	7-Nov-01	2332	1,614,702			
563	Thu	8-Nov-01	2806	1,617,508			
564	Fri	9-Nov-01	2096	1,619,604			
565	Sat	10-Nov-01	2632	1,622,236			
566	Sun	11-Nov-01	0	1,622,236			
567	Mon	12-Nov-01	1840	1,624,076			
568	Tue	13-Nov-01	2034	1,626,110			
569	Wed	14-Nov-01	2064	1,628,174			
570	Thu	15-Nov-01	1112	1,629,286			
571	Fri	16-Nov-01	1852	1,631,138			
572	Sat	17-Nov-01	2540	1,633,678			
573	Sun	18-Nov-01	0	1,633,678			
574	Mon	19-Nov-01	3192	1,636,870			
575	Tue	20-Nov-01	3962	1,640,832			
576	Wed	21-Nov-01	2990	1,643,822			
577	Thu	22-Nov-01	3690	1,647,512			
578	Fri	23-Nov-01	2222	1,649,734			
579	Sat	24-Nov-01	3415	1,653,149			
580	Sun	25-Nov-01	0	1,653,149			
581	Mon	26-Nov-01	3418	1,656,567			
582	Tue	27-Nov-01	4346	1,660,913			
583	Wed	28-Nov-01	3870	1,664,783			
584	Thu	29-Nov-01	3270	1,668,053			
585	Fri	30-Nov-01	2930	1,670,983			
586	Sat	1-Dec-01	2902	1,673,885			
587	Sun	2-Dec-01	0	1,673,885			
588	Mon	3-Dec-01	4394	1,678,279			
589	Tue	4-Dec-01	2928	1,681,207			
590	Wed	5-Dec-01	3070	1,684,277			
591	Thu	6-Dec-01	2606	1,686,883			
592	Fri	7-Dec-01	1618	1,688,501			

Poplar Island Restoration Project - Phase II  
George & Lynch Reported Production

Tidewater Report #	Day	Date	Reported		Projected	Planned	
			Daily	Cummulative		Daily	Cummulative
593	Sat	8-Dec-01	2336	1,690,837			
594	Sun	9-Dec-01	0	1,690,837			
595	Mon	10-Dec-01	2414	1,693,251			
596	Tue	11-Dec-01	2704	1,695,955			
597	Wed	12-Dec-01	2218	1,698,173			
598	Thu	13-Dec-01	3172	1,701,345			
599	Fri	14-Dec-01	2252	1,703,597			
600	Sat	15-Dec-01	1564	1,705,161			
601	Sun	16-Dec-01	0	1,705,161			
602	Mon	17-Dec-01	2176	1,707,337			
603	Tue	18-Dec-01	2660	1,709,997			
604	Wed	19-Dec-01	3684	1,713,681			
605	Thu	20-Dec-01	0	1,713,681			
606	Fri	21-Dec-01	2906	1,716,587			
607	Sat	22-Dec-01	3090	1,719,677			
608	Sun	23-Dec-01	3070	1,722,747			
609	Mon	24-Dec-01	3080	1,725,827			
610	Tue	25-Dec-01	0	1,725,827			
611	Wed	26-Dec-01	2860	1,728,687			
612	Thu	27-Dec-01	3080	1,731,767			
613	Fri	28-Dec-01	1188	1,732,955			
614	Sat	29-Dec-01	1502	1,734,457			
615	Sun	30-Dec-01	0	1,734,457			
616	Mon	31-Dec-01	3250	1,737,707			
617	Tue	1-Jan-02	0	1,737,707			
618	Wed	2-Jan-02	3636	1,741,343			
619	Thu	3-Jan-02	3888	1,745,231			
620	Fri	4-Jan-02	1430	1,746,661			
621	Sat	5-Jan-02	1370	1,748,031			
622	Sun	6-Jan-02	0	1,748,031			
623	Mon	7-Jan-02	1458	1,749,489			
624	Tue	8-Jan-02	1458	1,750,947			
625	Wed	9-Jan-02	2154	1,753,101			
626	Thu	10-Jan-02	2784	1,755,885			
627	Fri	11-Jan-02	2242	1,758,127			
628	Sat	12-Jan-02	2728	1,760,855			
629	Sun	13-Jan-02	0	1,760,855			
630	Mon	14-Jan-02	2510	1,763,365			
631	Tue	15-Jan-02	1118	1,764,483			
632	Wed	16-Jan-02	2342	1,766,825			
633	Thu	17-Jan-02	2080	1,768,905			
634	Fri	18-Jan-02	3070	1,771,975			
635	Sat	19-Jan-02	1674	1,773,649			
636	Sun	20-Jan-02	0	1,773,649			
637	Mon	21-Jan-02	2506	1,776,155			
638	Tue	22-Jan-02	1960	1,778,115			
639	Wed	23-Jan-02	656	1,778,771			
640	Thu	24-Jan-02	658	1,779,429			
641	Fri	25-Jan-02	1562	1,780,991			
642	Sat	26-Jan-02	1584	1,782,575			
643	Sun	27-Jan-02	0	1,782,575			
644	Mon	28-Jan-02	1372	1,783,947			
645	Tue	29-Jan-02	3090	1,787,037			
646	Wed	30-Jan-02	1716	1,788,753			
647	Thu	31-Jan-02	2442	1,791,195			

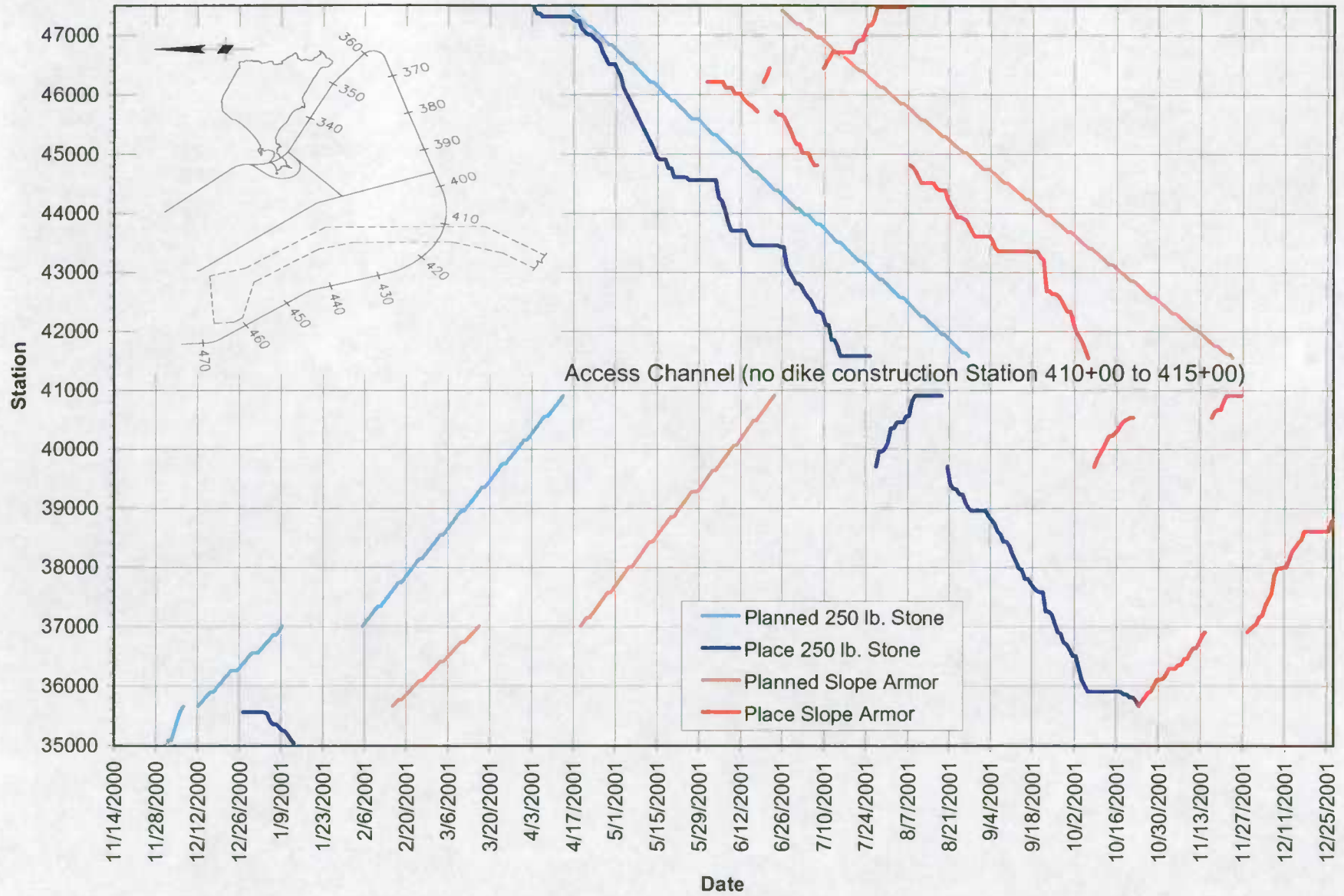
**Poplar Island Restoration Project - Phase II**  
**George & Lynch Reported Production**

Tidewater Report #	Day	Date	Reported		Projected	Planned	
			Daily	Cummulative		Daily	Cummulative
648	Fri	1-Feb-02	2675	1,793,870			
649	Sat	2-Feb-02	0	1,793,870			
650	Sun	3-Feb-02	0	1,793,870			
651	Mon	4-Feb-02	1062	1,794,932			
652	Tue	5-Feb-02	1475	1,796,407			
653	Wed	6-Feb-02	3200	1,799,607			
654	Thu	7-Feb-02	2523	1,802,130			
655	Fri	8-Feb-02	2202	1,804,332			
656	Sat	9-Feb-02	0	1,804,332			
657	Sun	10-Feb-02	0	1,804,332			
658	Mon	11-Feb-02	2320	1,806,652			
659	Tue	12-Feb-02	2520	1,809,172			
660	Wed	13-Feb-02	0	1,809,172			
661	Thu	14-Feb-02	0	1,809,172			
662	Fri	15-Feb-02	0	1,809,172			
663	Sat	16-Feb-02	0	1,809,172			
664	Sun	17-Feb-02	0	1,809,172	1,809,172		

#### **4.8 Planned and Reported Production for Dike Slope**



### Slope Dike Production vs. Planned Production



Poplar Island Restoration Project - Phase II  
Slope Dike Armor Production

Tidewater Report #	Day	Date	Station Values			
			Planned 250 lb. Stone	Place 250 lb. Stone	Planned Slope Armor	Place Slope Armor
173	Sun	15-Oct-00				
174	Mon	16-Oct-00				
175	Tue	17-Oct-00				
176	Wed	18-Oct-00				
177	Thu	19-Oct-00				
178	Fri	20-Oct-00				
179	Sat	21-Oct-00				
180	Sun	22-Oct-00				
181	Mon	23-Oct-00				
182	Tue	24-Oct-00				
183	Wed	25-Oct-00				
184	Thu	26-Oct-00				
185	Fri	27-Oct-00				
186	Sat	28-Oct-00				
187	Sun	29-Oct-00				
188	Mon	30-Oct-00				
189	Tue	31-Oct-00				
190	Wed	1-Nov-00				
191	Thu	2-Nov-00				
192	Fri	3-Nov-00				
193	Sat	4-Nov-00				
194	Sun	5-Nov-00				
195	Mon	6-Nov-00				
196	Tue	7-Nov-00				
197	Wed	8-Nov-00				
198	Thu	9-Nov-00				
199	Fri	10-Nov-00				
200	Sat	11-Nov-00				
201	Sun	12-Nov-00				
202	Mon	13-Nov-00				
203	Tue	14-Nov-00	33000			
204	Wed	15-Nov-00	33160			
205	Thu	16-Nov-00	33320			
206	Fri	17-Nov-00	33480			
207	Sat	18-Nov-00	33640			
208	Sun	19-Nov-00	33640			
209	Mon	20-Nov-00	33800			
210	Tue	21-Nov-00	33960			
211	Wed	22-Nov-00	34120			
212	Thu	23-Nov-00	34120			
213	Fri	24-Nov-00	34120			
214	Sat	25-Nov-00	34120			
215	Sun	26-Nov-00	34120			
216	Mon	27-Nov-00	34280			
217	Tue	28-Nov-00	34440			
218	Wed	29-Nov-00	34600			
219	Thu	30-Nov-00	34760			
220	Fri	1-Dec-00	34920			
221	Sat	2-Dec-00	35080			

Poplar Island Restoration Project - Phase II  
Slope Dike Armor Production

Tidewater Report #	Day	Date	Station Values			
			Planned 250 lb. Stone	Place 250 lb. Stone	Planned Slope Armor	Place Slope Armor
222	Sun	3-Dec-00	35080			
223	Mon	4-Dec-00	35240			
224	Tue	5-Dec-00	35400			
225	Wed	6-Dec-00	35560			
226	Thu	7-Dec-00	35650			
227	Fri	8-Dec-00				
228	Sat	9-Dec-00				
229	Sun	10-Dec-00				
230	Mon	11-Dec-00				
231	Tue	12-Dec-00	35650			
232	Wed	13-Dec-00	35710			
233	Thu	14-Dec-00	35770			
234	Fri	15-Dec-00	35830			
235	Sat	16-Dec-00	35890			
236	Sun	17-Dec-00	35890			
237	Mon	18-Dec-00	35950			
238	Tue	19-Dec-00	36010			
239	Wed	20-Dec-00	36070			
240	Thu	21-Dec-00	36130			
241	Fri	22-Dec-00	36190			
242	Sat	23-Dec-00	36250			
243	Sun	24-Dec-00	36250			
244	Mon	25-Dec-00	36250			
245	Tue	26-Dec-00	36310			
246	Wed	27-Dec-00	36370	35550		
247	Thu	28-Dec-00	36430	35550		
248	Fri	29-Dec-00	36490	35550		
249	Sat	30-Dec-00	36550	35550		
250	Sun	31-Dec-00	36550	35550		
251	Mon	1-Jan-01	36550	35550		
253	Tue	2-Jan-01	36610	35550		
254	Wed	3-Jan-01	36670	35550		
255	Thu	4-Jan-01	36730	35525		
256	Fri	5-Jan-01	36790	35400		
257	Sat	6-Jan-01	36850	35350		
258	Sun	7-Jan-01	36850	35350		
259	Mon	8-Jan-01	36910	35300		
260	Tue	9-Jan-01	37000	35250		
261	Wed	10-Jan-01		35230		
262	Thu	11-Jan-01		35165		
263	Fri	12-Jan-01		35090		
264	Sat	13-Jan-01		35025		
265	Sun	14-Jan-01				
266	Mon	15-Jan-01				
267	Tue	16-Jan-01				
268	Wed	17-Jan-01				
269	Thu	18-Jan-01				
270	Fri	19-Jan-01				
271	Sat	20-Jan-01				

Poplar Island Restoration Project - Phase II  
Slope Dike Armor Production

Tidewater Report #	Day	Date	Station Values			
			Planned 250 lb. Stone	Place 250 lb. Stone	Planned Slope Armor	Place Slope Armor
272	Sun	21-Jan-01				
273	Mon	22-Jan-01				
274	Tue	23-Jan-01				
275	Wed	24-Jan-01				
276	Thu	25-Jan-01				
277	Fri	26-Jan-01				
278	Sat	27-Jan-01				
279	Sun	28-Jan-01				
280	Mon	29-Jan-01				
281	Tue	30-Jan-01				
282	Wed	31-Jan-01				
283	Thu	1-Feb-01				
284	Fri	2-Feb-01				
285	Sat	3-Feb-01				
286	Sun	4-Feb-01				
287	Mon	5-Feb-01	37000			
288	Tue	6-Feb-01	37067			
289	Wed	7-Feb-01	37134			
290	Thu	8-Feb-01	37201			
291	Fri	9-Feb-01	37268			
292	Sat	10-Feb-01	37335			
293	Sun	11-Feb-01	37335			
294	Mon	12-Feb-01	37402			
295	Tue	13-Feb-01	37469			
296	Wed	14-Feb-01	37536			
297	Thu	15-Feb-01	37603		35650	
298	Fri	16-Feb-01	37670		35704	
299	Sat	17-Feb-01	37737		35758	
300	Sun	18-Feb-01	37737		35758	
301	Mon	19-Feb-01	37804		35812	
302	Tue	20-Feb-01	37871		35866	
303	Wed	21-Feb-01	37938		35920	
304	Thu	22-Feb-01	38005		35974	
305	Fri	23-Feb-01	38072		36028	
306	Sat	24-Feb-01	38139		36082	
307	Sun	25-Feb-01	38139		36082	
308	Mon	26-Feb-01	38206		36136	
309	Tue	27-Feb-01	38273		36190	
310	Wed	28-Feb-01	38340		36244	
311	Thu	1-Mar-01	38407		36298	
312	Fri	2-Mar-01	38474		36352	
313	Sat	3-Mar-01	38541		36406	
314	Sun	4-Mar-01	38541		36406	
315	Mon	5-Mar-01	38608		36460	
316	Tue	6-Mar-01	38675		36514	
317	Wed	7-Mar-01	38742		36568	
318	Thu	8-Mar-01	38809		36622	
319	Fri	9-Mar-01	38876		36676	
320	Sat	10-Mar-01	38943		36730	

Poplar Island Restoration Project - Phase II  
Slope Dike Armor Production

Tidewater Report #	Day	Date	Station Values			
			Planned 250 lb. Stone	Place 250 lb. Stone	Planned Slope Armor	Place Slope Armor
321	Sun	11-Mar-01	38943		36730	
322	Mon	12-Mar-01	39010		36784	
323	Tue	13-Mar-01	39077		36838	
324	Wed	14-Mar-01	39144		36892	
325	Thu	15-Mar-01	39211		36946	
326	Fri	16-Mar-01	39278		37000	
327	Sat	17-Mar-01	39345			
328	Sun	18-Mar-01	39345			
329	Mon	19-Mar-01	39412			
330	Tue	20-Mar-01	39479			
331	Wed	21-Mar-01	39546			
332	Thu	22-Mar-01	39613			
333	Fri	23-Mar-01	39680			
334	Sat	24-Mar-01	39747			
335	Sun	25-Mar-01	39747			
336	Mon	26-Mar-01	39814			
337	Tue	27-Mar-01	39881			
338	Wed	28-Mar-01	39948			
339	Thu	29-Mar-01	40015			
340	Fri	30-Mar-01	40082			
341	Sat	31-Mar-01	40149			
342	Sun	1-Apr-01	40149			
343	Mon	2-Apr-01	40216			
344	Tue	3-Apr-01	40283	47450		
345	Wed	4-Apr-01	40350	47350		
346	Thu	5-Apr-01	40417	47350		
347	Fri	6-Apr-01	40484	47300		
348	Sat	7-Apr-01	40551	47300		
349	Sun	8-Apr-01	40551	47300		
350	Mon	9-Apr-01	40618	47300		
351	Tue	10-Apr-01	40685	47300		
352	Wed	11-Apr-01	40752	47300		
353	Thu	12-Apr-01	40819	47300		
354	Fri	13-Apr-01	40900	47300		
355	Sat	14-Apr-01		47300		
356	Sun	15-Apr-01		47300		
357	Mon	16-Apr-01	47400	47250		
358	Tue	17-Apr-01	47348	47225		
359	Wed	18-Apr-01	47296	47225		
360	Thu	19-Apr-01	47244	47100	37000	
361	Fri	20-Apr-01	47192	47050	37071	
362	Sat	21-Apr-01	47140	47000	37142	
363	Sun	22-Apr-01	47140	47000	37142	
364	Mon	23-Apr-01	47088	46950	37213	
365	Tue	24-Apr-01	47036	46900	37284	
366	Wed	25-Apr-01	46984	46850	37355	
367	Thu	26-Apr-01	46932	46700	37426	
368	Fri	27-Apr-01	46880	46600	37497	
369	Sat	28-Apr-01	46828	46500	37568	

Poplar Island Restoration Project - Phase II  
Slope Dike Armor Production

Tidewater Report #	Day	Date	Station Values			
			Planned 250 lb. Stone	Place 250 lb. Stone	Planned Slope Armor	Place Slope Armor
370	Sun	29-Apr-01	46828	46500	37568	
371	Mon	30-Apr-01	46776	46500	37639	
372	Tue	1-May-01	46724	46400	37710	
373	Wed	2-May-01	46672	46300	37781	
374	Thu	3-May-01	46620	46100	37852	
375	Fri	4-May-01	46568	46000	37923	
376	Sat	5-May-01	46516	45900	37994	
377	Sun	6-May-01	46516	45800	37994	
378	Mon	7-May-01	46464	45700	38065	
379	Tue	8-May-01	46412	45600	38136	
380	Wed	9-May-01	46360	45500	38207	
381	Thu	10-May-01	46308	45400	38278	
382	Fri	11-May-01	46256	45300	38349	
383	Sat	12-May-01	46204	45200	38420	
384	Sun	13-May-01	46204	45100	38420	
385	Mon	14-May-01	46152	44950	38491	
386	Tue	15-May-01	46100	44900	38562	
387	Wed	16-May-01	46048	44900	38633	
388	Thu	17-May-01	45996	44900	38704	
389	Fri	18-May-01	45944	44750	38775	
390	Sat	19-May-01	45892	44750	38846	
391	Sun	20-May-01	45892	44600	38846	
392	Mon	21-May-01	45840	44600	38917	
393	Tue	22-May-01	45788	44600	38988	
394	Wed	23-May-01	45736	44600	39059	
395	Thu	24-May-01	45684	44600	39130	
396	Fri	25-May-01	45632	44550	39201	
397	Sat	26-May-01	45580	44550	39272	
398	Sun	27-May-01	45580	44550	39272	
399	Mon	28-May-01	45580	44550	39272	
400	Tue	29-May-01	45528	44550	39343	
401	Wed	30-May-01	45476	44550	39414	
402	Thu	31-May-01	45424	44550	39485	46200
403	Fri	1-Jun-01	45372	44550	39556	46200
404	Sat	2-Jun-01	45320	44550	39627	46200
405	Sun	3-Jun-01	45320	44550	39627	46200
406	Mon	4-Jun-01	45268	44250	39698	46200
407	Tue	5-Jun-01	45216	44200	39769	46200
408	Wed	6-Jun-01	45164	44050	39840	46100
409	Thu	7-Jun-01	45112	43850	39911	46100
410	Fri	8-Jun-01	45060	43700	39982	46100
411	Sat	9-Jun-01	45008	43700	40053	46000
412	Sun	10-Jun-01	45008	43700	40053	46000
413	Mon	11-Jun-01	44956	43700	40124	46000
414	Tue	12-Jun-01	44904	43700	40195	45925
415	Wed	13-Jun-01	44852	43700	40266	45870
416	Thu	14-Jun-01	44800	43575	40337	45825
417	Fri	15-Jun-01	44748	43485	40408	45800
418	Sat	16-Jun-01	44696	43450	40479	45750

Poplar Island Restoration Project - Phase II  
Slope Dike Armor Production

Tidewater Report #	Day	Date	Station Values			
			Planned 250 lb. Stone	Place 250 lb. Stone	Planned Slope Armor	Place Slope Armor
419	Sun	17-Jun-01	44696	43450	40479	45700
420	Mon	18-Jun-01	44644	43450	40550	
421	Tue	19-Jun-01	44592	43450	40621	46200
422	Wed	20-Jun-01	44540	43450	40692	46300
423	Thu	21-Jun-01	44488	43450	40763	46425
424	Fri	22-Jun-01	44436	43450	40834	
425	Sat	23-Jun-01	44384	43450	40900	45700
426	Sun	24-Jun-01	44384	43450		45650
427	Mon	25-Jun-01	44332	43425	47400	45650
428	Tue	26-Jun-01	44280	43425	47354	45600
429	Wed	27-Jun-01	44228	43100	47308	45485
430	Thu	28-Jun-01	44176	42990	47262	45385
431	Fri	29-Jun-01	44124	42900	47216	45245
432	Sat	30-Jun-01	44072	42800	47170	45150
433	Sun	1-Jul-01	44072	42800	47170	45150
434	Mon	2-Jul-01	44020	42750	47124	45000
435	Tue	3-Jul-01	43968	42650	47078	45000
436	Wed	4-Jul-01	43968	42575	47078	45000
437	Thu	5-Jul-01	43916	42525	47032	44885
438	Fri	6-Jul-01	43864	42425	46986	44800
439	Sat	7-Jul-01	43812	42325	46940	44800
440	Sun	8-Jul-01	43812	42325	46940	
441	Mon	9-Jul-01	43760	42275	46894	46425
442	Tue	10-Jul-01	43708	42100	46848	46525
443	Wed	11-Jul-01	43656	42100	46802	46600
444	Thu	12-Jul-01	43604	41850	46756	46700
445	Fri	13-Jul-01	43552	41850	46710	46700
446	Sat	14-Jul-01	43500	41750	46664	46700
447	Sun	15-Jul-01	43500	41575	46664	46700
448	Mon	16-Jul-01	43448	41575	46618	46700
449	Tue	17-Jul-01	43396	41575	46572	46700
450	Wed	18-Jul-01	43344	41575	46526	46700
451	Thu	19-Jul-01	43292	41575	46480	46700
452	Fri	20-Jul-01	43240	41575	46434	46850
453	Sat	21-Jul-01	43188	41575	46388	46900
454	Sun	22-Jul-01	43188	41575	46388	46900
455	Mon	23-Jul-01	43136	41575	46342	47050
456	Tue	24-Jul-01	43084	41575	46296	47150
457	Wed	25-Jul-01	43032	41575	46250	47150
458	Thu	26-Jul-01	42980		46204	47250
459	Fri	27-Jul-01	42928	39700	46158	47450
460	Sat	28-Jul-01	42876	39950	46112	47450
461	Sun	29-Jul-01	42876	39950	46112	47450
462	Mon	30-Jul-01	42824	40000	46066	47450
463	Tue	31-Jul-01	42772	40100	46020	47450
464	Wed	1-Aug-01	42720	40350	45974	47450
465	Thu	2-Aug-01	42668	40350	45928	47450
466	Fri	3-Aug-01	42616	40450	45882	47450
467	Sat	4-Aug-01	42564	40450	45836	47450

Poplar Island Restoration Project - Phase II  
Slope Dike Armor Production

Tidewater Report #	Day	Date	Station Values			
			Planned 250 lb. Stone	Place 250 lb. Stone	Planned Slope Armor	Place Slope Armor
468	Sun	5-Aug-01	42564	40450	45836	47450
469	Mon	6-Aug-01	42512	40550	45790	
470	Tue	7-Aug-01	42460	40550	45744	44800
471	Wed	8-Aug-01	42408	40800	45698	44765
472	Thu	9-Aug-01	42356	40900	45652	44700
473	Fri	10-Aug-01	42304	40900	45606	44600
474	Sat	11-Aug-01	42252	40900	45560	44500
475	Sun	12-Aug-01	42252	40900	45560	44500
476	Mon	13-Aug-01	42200	40900	45514	44500
477	Tue	14-Aug-01	42148	40900	45468	44500
478	Wed	15-Aug-01	42096	40900	45422	44500
479	Thu	16-Aug-01	42044	40900	45376	44415
480	Fri	17-Aug-01	41992	40900	45330	44380
481	Sat	18-Aug-01	41940	40900	45284	44380
482	Sun	19-Aug-01	41940		45284	44380
483	Mon	20-Aug-01	41888	39700	45238	44215
484	Tue	21-Aug-01	41836	39400	45192	44125
485	Wed	22-Aug-01	41784	39325	45146	44030
486	Thu	23-Aug-01	41732	39315	45100	43925
487	Fri	24-Aug-01	41680	39225	45054	43925
488	Sat	25-Aug-01	41628	39225	45008	43900
489	Sun	26-Aug-01	41628	39075	45008	43870
490	Mon	27-Aug-01	41570	39000	44962	43770
491	Tue	28-Aug-01		38950	44916	43685
492	Wed	29-Aug-01		38950	44870	43600
493	Thu	30-Aug-01		38950	44824	43600
494	Fri	31-Aug-01		38950	44778	43600
495	Sat	1-Sep-01		38950	44732	43600
496	Sun	2-Sep-01		38950	44732	43600
497	Mon	3-Sep-01		38850	44732	43600
498	Tue	4-Sep-01		38800	44686	43530
499	Wed	5-Sep-01		38725	44640	43400
500	Thu	6-Sep-01		38600	44594	43350
501	Fri	7-Sep-01		38550	44548	43350
502	Sat	8-Sep-01		38425	44502	43350
503	Sun	9-Sep-01		38425	44502	43350
504	Mon	10-Sep-01		38350	44456	43350
505	Tue	11-Sep-01		38200	44410	43350
506	Wed	12-Sep-01		38100	44364	43350
507	Thu	13-Sep-01		37975	44318	43350
508	Fri	14-Sep-01		37950	44272	43350
509	Sat	15-Sep-01		37800	44226	43350
510	Sun	16-Sep-01		37800	44226	43350
511	Mon	17-Sep-01		37725	44180	43340
512	Tue	18-Sep-01		37650	44134	43340
513	Wed	19-Sep-01		37600	44088	43340
514	Thu	20-Sep-01		37575	44042	43250
515	Fri	21-Sep-01		37575	43996	43200
516	Sat	22-Sep-01		37250	43950	42675



Poplar Island Restoration Project - Phase II  
Slope Dike Armor Production

Tidewater Report #	Day	Date	Station Values			
			Planned 250 lb. Stone	Place 250 lb. Stone	Planned Slope Armor	Place Slope Armor
517	Sun	23-Sep-01		37250	43950	42675
518	Mon	24-Sep-01		37200	43904	42625
519	Tue	25-Sep-01		37050	43858	42625
520	Wed	26-Sep-01		36900	43812	42585
521	Thu	27-Sep-01		36875	43766	42515
522	Fri	28-Sep-01		36725	43720	42418
523	Sat	29-Sep-01		36700	43674	42330
524	Sun	30-Sep-01		36600	43674	42330
525	Mon	1-Oct-01		36500	43628	42125
526	Tue	2-Oct-01		36500	43582	41970
527	Wed	3-Oct-01		36300	43536	41900
528	Thu	4-Oct-01		36100	43490	41800
529	Fri	5-Oct-01		36000	43444	41675
530	Sat	6-Oct-01		35900	43398	41540
531	Sun	7-Oct-01		35900	43398	
532	Mon	8-Oct-01		35900	43352	39690
533	Tue	9-Oct-01		35900	43306	39825
534	Wed	10-Oct-01		35900	43260	39925
535	Thu	11-Oct-01		35900	43214	40015
536	Fri	12-Oct-01		35900	43168	40120
537	Sat	13-Oct-01		35900	43122	40215
538	Sun	14-Oct-01		35900	43122	40215
539	Mon	15-Oct-01		35900	43076	40265
540	Tue	16-Oct-01		35900	43030	40325
541	Wed	17-Oct-01		35900	42984	40415
542	Thu	18-Oct-01		35850	42938	40475
543	Fri	19-Oct-01		35850	42892	40500
544	Sat	20-Oct-01		35800	42846	40525
545	Sun	21-Oct-01		35800	42846	40525
546	Mon	22-Oct-01		35750	42800	
547	Tue	23-Oct-01		35650	42754	35650
548	Wed	24-Oct-01			42708	35740
549	Thu	25-Oct-01			42662	35800
550	Fri	26-Oct-01			42616	35875
551	Sat	27-Oct-01			42570	35900
552	Sun	28-Oct-01			42570	36000
553	Mon	29-Oct-01			42524	36100
554	Tue	30-Oct-01			42478	36100
555	Wed	31-Oct-01			42432	36115
556	Thu	1-Nov-01			42386	36180
557	Fri	2-Nov-01			42340	36285
558	Sat	3-Nov-01			42294	36285
559	Sun	4-Nov-01			42294	36285
560	Mon	5-Nov-01			42248	36345
561	Tue	6-Nov-01			42202	36345
562	Wed	7-Nov-01			42156	36450
563	Thu	8-Nov-01			42110	36450
564	Fri	9-Nov-01			42064	36550
565	Sat	10-Nov-01			42018	36630

Poplar Island Restoration Project - Phase II  
Slope Dike Armor Production

Tidewater Report #	Day	Date	Station Values			
			Planned 250 lb. Stone	Place 250 lb. Stone	Planned Slope Armor	Place Slope Armor
566	Sun	11-Nov-01			42018	36630
567	Mon	12-Nov-01			41972	36720
568	Tue	13-Nov-01			41926	36820
569	Wed	14-Nov-01			41880	36900
570	Thu	15-Nov-01			41834	
571	Fri	16-Nov-01			41788	40525
572	Sat	17-Nov-01			41742	40625
573	Sun	18-Nov-01			41742	40660
574	Mon	19-Nov-01			41696	40660
575	Tue	20-Nov-01			41650	40800
576	Wed	21-Nov-01			41604	40900
577	Thu	22-Nov-01			41604	40900
578	Fri	23-Nov-01			41540	40900
579	Sat	24-Nov-01				40900
580	Sun	25-Nov-01				40900
581	Mon	26-Nov-01				40900
582	Tue	27-Nov-01				
583	Wed	28-Nov-01				36900
584	Thu	29-Nov-01				36950
585	Fri	30-Nov-01				36995
586	Sat	1-Dec-01				37040
587	Sun	2-Dec-01				37150
588	Mon	3-Dec-01				37180
589	Tue	4-Dec-01				37350
590	Wed	5-Dec-01				37450
591	Thu	6-Dec-01				37550
592	Fri	7-Dec-01				37855
593	Sat	8-Dec-01				37975
594	Sun	9-Dec-01				37975
595	Mon	10-Dec-01				37990
596	Tue	11-Dec-01				37990
597	Wed	12-Dec-01				38130
598	Thu	13-Dec-01				38275
599	Fri	14-Dec-01				38333
600	Sat	15-Dec-01				38410
601	Sun	16-Dec-01				38455
602	Mon	17-Dec-01				38600
603	Tue	18-Dec-01				38600
604	Wed	19-Dec-01				38600
605	Thu	20-Dec-01				38600
606	Fri	21-Dec-01				38600
607	Sat	22-Dec-01				38600
608	Sun	23-Dec-01				38600
609	Mon	24-Dec-01				38600
610	Tue	25-Dec-01				38600
611	Wed	26-Dec-01				38775

## 4.9 Contractor Payment Tables

Maryland Port Authority  
Paplar Island Habitat Restoration Project - Phase II

CONTRACTOR ESTIMATE & USACE PAYMENTS

Item Number	Unit	Quantity	Contract Unit Price	Contract Amount	Contractor's Estimate No. 18				USACE Partial Payment No. 18				
					Previous Quantity	Previous Amount	This Period Quantity	This Period Amount	To Date Quantity	To Date Amount	Total Quantity	Total Amount	
0001	Reimbursement for P & P Bond	Job	1	\$178,700	\$178,700.00	100%	\$178,700	0%	\$0	100%	\$178,700.00	100%	\$178,700.00
0002	Mud and Demol	Job	1	\$4,000,000	\$4,000,000.00	81%	\$3,240,000	0%	\$0	81%	\$3,240,000.00	81%	\$3,240,000.00
0003	Crushed Stone Roadway	S.Y.	63,140	\$10.00	\$631,400.00	0%	\$0	0%	\$0	0%	\$0.00	0%	\$0.00
0003	Crushed Stone Roadway 90%	S.Y.		\$10.00	\$0.00	6760	\$85,600	11203	\$80,070.04	17,963	\$180,115.04	16,167	\$161,670.00
0004	Geotextile	S.Y.	198,807	\$4.00	\$795,228.00	134,309	\$682,357	16,673	\$29,178	150,982	\$711,534.25	65,608	\$262,432.00
0004	Geotextile 90%	S.Y.		\$4.00	\$0.00		\$0.00		\$0.00		\$0.00	76,837	\$507,348.00
0005	Excavation/Backfill of Unstable Foundation	C.Y.	220,100	\$13.00	\$2,861,300.00	226,032	\$2,880,527	0	\$0	226,032	\$2,880,527.00	221,579	\$2,880,527.00
0006AA	Dike Fill Material - Zone A	C.Y.	1,188,337	\$7.80	\$9,269,028.60	0	\$0	0	\$0	0	\$0.00	246,600	\$1,923,480.00
0006AA	Dike Fill Material - Zone A 90%	C.Y.		\$7.80	\$0.00	976,308	\$8,278,853	99,783	\$465,987	1,079,091	\$8,744,839.78	746,542	\$5,823,027.60
0006AB	Dike Fill Material - Zone B	C.Y.	713,582	\$7.80	\$5,565,939.60	441,391	\$4,294,807	64,375	\$300,631	505,766	\$4,595,438.38	258,400	\$2,015,520.00
0006AB	Dike Fill Material - Zone B 90%	C.Y.		\$7.80	\$0.00		\$0.00		\$0.00		\$0.00	222,629	\$1,736,506.20
0007AA	2000# Toe Armor - Quarried/Placed	Ton	38,950	\$50.00	\$1,947,500.00	37,111	\$1,991,052	4,123	\$68,645	41,234	\$2,061,700.00	0	\$0.00
0007AA	2000# Toe Armor - Quarried/Placed - 90%	Ton		\$50.00	\$0.00		\$0.00		\$0.00		\$0.00	37,111	\$1,855,550.00
0007AB	2000# Toe Armor - Quarried/Stockpiled	Ton	3,760	\$50.00	\$188,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007AC	2000# Toe Armor - Removed/Placed	Ton	3,990	\$25.00	\$99,750.00	3,689	\$96,325	0	\$0	3,689	\$96,325.00	0	\$0.00
0007AC	2000# Toe Armor - Removed/Placed - 90%	Ton		\$25.00	\$0.00		\$0.00		\$0.00		\$0.00	3,689	\$92,225.00
0007B	1500# Toe Armor	Ton	18,370	\$50.00	\$928,500.00	18,933	\$1,016,818	2,104	\$33,032	21,037	\$1,051,850.00	18,933	\$946,650.00
0007B	1500# Toe Armor - 90%	Ton		\$50.00	\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
0007CA	3000# Armor Stone - Quarried/Placed	Ton	92,750	\$15.00	\$1,391,250.00	49,370	\$2,424,514	25,045	\$292,275	74,415	\$3,100,940.74	52,000	\$1,820,700.00
0007CA	3000# Armor Stone - Quarried/Placed - 90%	Ton		\$15.00	\$0.00		\$0.00		\$0.00		\$0.00	20,591	\$730,855.00
0007CB	3000# Armor Stone - Quarried/Stockpiled	Ton	6,230	\$30.00	\$186,900.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007CC	3000# Armor Stone - Removed/Placed	Ton	5,750	\$20.00	\$115,000.00	5,689	\$113,780	1,565	\$31,300	7,254	\$145,080.00	0	\$0.00
0007CC	3000# Armor Stone - Removed/Placed 90%	Ton		\$20.00	\$0.00		\$0.00		\$0.00		\$0.00	6,093	\$121,800.00
0007DA	250# Stone - Quarried/Placed	Ton	31,770	\$35.00	\$1,111,950.00	31,697	\$1,249,235	3,504	\$40,880	35,201	\$1,372,815.69	29,980	\$1,049,300.00
0007DB	250# Stone - Quarried/Stockpiled	Ton	3,480	\$25.00	\$87,000.00	0	\$0	0	\$0	0	\$0.00	4,699	\$164,465.00
0007DC	250# Stone - Removed/Placed	Ton	29,250	\$25.00	\$731,250.00	18,726	\$529,610	2,378	\$35,670	21,104	\$575,280.00	0	\$0.00
0007DC	250# Stone - Removed/Placed - 90%	Ton		\$25.00	\$0.00		\$0.00		\$0.00		\$0.00	18,994	\$474,850.00
0007E	Quarry Run Stone	Ton	35,025	\$47.00	\$1,646,175.00	32,947	\$1,613,654	5,145	\$80,519	38,092	\$1,790,324.00	0	\$0.00
0007E	Quarry Run Stone - 90%	Ton		\$47.00	\$0.00		\$0.00		\$0.00		\$0.00	34,283	\$1,611,301.00
0007F	Bedding Stone	Ton	1,149	\$40.00	\$45,960.00	1,149	\$45,960	0	\$0	1,149	\$45,960.00	1,149	\$45,960.00
0007F	Bedding Stone - 90%	Ton		\$40.00	\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
0007FR	Bedding Stone-AASHTO#1 AO	Ton	31,751	\$40.66	\$1,290,995.66	23,261	\$953,874	2,628	\$106,539	25,889	\$1,060,732.35	14,383	\$584,412.78
0007FR	Bedding Stone-AASHTO#1 AO 90%	Ton		\$40.66	\$0.00		\$0.00		\$0.00		\$0.00	10,355	\$421,034.30
0008A	Type A Spillway	Each	5	\$150,000.00	\$750,000.00	5	\$137,500	0	\$88,050	7,609	\$425,550.00	2,9	\$43,000.00
0008B	Type B Spillway	Each	2	\$300,000.00	\$600,000.00	16,505	\$510,000	0	\$57,000	27,005	\$367,000.00	1,9	\$570,000.00
0009	Shell Culch	Job	1	\$248,960.00	\$248,960.00	75.00%	\$186,720	0%	\$62,240	75.00%	\$248,960.00	100%	\$248,960.00
00010	Settlement Monitoring Pads	Each	62	\$2,000.00	\$124,000.00	62	\$62,000	0	\$23,000	62	\$85,000.00	21	\$46,000.00
00010	Settlement Monitoring Pads - Installed	Each		\$1,000.00	\$0.00		\$0.00		\$0.00		\$0.00	39	\$39,000.00
00011	Utilities	Job	1	\$1,250,000.00	\$1,250,000.00	98%	\$1,237,500	0%	\$12,500	99%	\$1,250,000.00	100%	\$1,250,000.00
00012	Seed and Mulch	S.Y.	0	\$0.70	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
00012B	Ground Cover Al.	S.Y.	175,000	\$2.71	\$474,250.00	31341	\$8481.53	10,166	\$27393.43	41,709	\$113,074.96	41,709	\$113,074.96
00013	Mod P-00003 Benchmarks AA	Job	1	\$8,383.00	\$8,383.00	0%	\$8,383	0%	\$0	0%	\$8,383.00	100%	\$8,383.00
00014A	Mod P-00005 Pier Dredging AC	Job	1	\$17,426.79	\$17,426.79	1	\$17,427	1	\$0	100%	\$17,426.79	100%	\$17,426.79
00014B	Mod P-00005 Pier Dredging AC	C.Y.	3,900	\$7.79	\$30,364.39	99,205	\$30,381	3,853	\$0	3,853	\$30,381.00	3,853	\$29,998.46
00015	Mod P-00008 Valve Purchase AD	Job	1	\$30,220.00	\$30,220.00	100%	\$38,361	100%	\$0	100%	\$38,361.00	100%	\$30,220.00
00016	Mod P-00009 Jetting AJ	Job	1	\$142,434.61	\$142,434.61	100.00%	\$142,435	100%	\$0	100%	\$142,434.61	100%	\$142,434.61
00017	Mod P-00011 Phase I Spillway AD	Job	1	\$229,365.00	\$229,365.00	50%	\$221,424	46%	\$0	96%	\$212,424.00	100%	\$229,365.00
00018	Mod P-00012 Phase I Spillway AM	Job	84	\$221.44	\$18,600.96	3	\$13,951	1	\$4,650	4	\$18,601.03	84	\$18,600.96
00019	Mod P-00016 Cable Realignment AD	Job	1	\$126,700.00	\$126,700.00	100.00%	\$126,700	100.00%	\$0	100%	\$126,700.00	100%	\$126,700.00
00020	Indian Incentive	Job	1	\$137,591.42	\$137,591.42	48.30%	\$137,591	0.00%	\$57,852	4.8%	\$195,443.41	100%	\$137,591.42
00021	Mod P00024 Channel Crossing AP	Job	1	\$45,000.00	\$45,000.00	100.00%	\$0	100.00%	\$45,000	100%	\$45,000.00	100%	\$45,000.00
00022	Valve Purchase	Job	8	\$16,175.00	\$131,000.00	0	\$0	0	\$131,000	0	\$131,000.00	8	\$131,000.00
00023	Utilities	Job	1	\$18,000.00	\$18,000.00	0	\$18,000	1	\$18,683	1	\$16,683.00	1	\$18,000.00
00024	Temp Ramp	C.Y.	3500	\$7.00	\$24,500.00	3500	\$26,775	2699	\$18,683	6169	\$45,458.00	6,169	\$43,183.00
00025	Habitat Survey	Job	1	\$2,275.00	\$2,275.00	0	\$0	1	\$0	1	\$0.00	1	\$2,275.00
STOCK PILE					\$39,336,118.01								
0003	Crushed Stone Roadway - Stockpiled	Ton		\$9.00	\$0.00	8,760	\$0	1,605	\$14,445.00	10,365	\$0.00	2,000	\$18,000.00
0004	Geotextile	S.Y.		\$2.25	\$0.00	198,807	\$0	0	\$0	198,807	\$0.00	56,362	\$126,814.50
0006AA	Sand Stockpile A	C.Y.		\$31.13	\$0.00	1,188,337	\$0	0	\$0	1,188,337	\$0.00	195,195	\$6,100,365.35
0006AB	Sand Stockpile B	C.Y.		\$31.13	\$0.00	691,950	\$0	0	\$0	691,950	\$0.00	232,553	\$727,890.89
0007AA	2000# Toe Armor - Quarry	Ton		\$11.15	\$0.00	41,254	\$0	0	\$0.00	41,234	\$0.00	4,123	\$137,502.05
0007AC	2000# Toe Armor - Paplar	Ton		\$10.00	\$0.00	4,099	\$0	0	\$0	4,099	\$0.00	410	\$4,100.00
0007B	1500# Toe Armor - Quarry	Ton		\$33.15	\$0.00	21,037	\$0	0	\$0.00	21,037	\$0.00	2,104	\$70,168.40
0007CA	3000# Armor Stone-Quarry	Ton		\$23.33	\$0.00	79,227	\$0	16,466	\$384,151.78	95,693	\$0.00	23,082	\$538,503.06
0007CB	3000# Armor Stone - Quarry	Ton		\$0.00	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007CC	3000# Armor Stone - Paplar	Ton		\$10.00	\$0.00	0	\$0	0	\$0	0	\$0.00	677	\$6,770.00
0007DA	250# Stone - Quarry	Ton		\$23.31	\$0.00	37,691	\$0	3,550	\$82,366.67	41,221	\$0.00	6,542	\$152,624.86
0007DC	250# Stone - Paplar	Ton		\$10.00	\$0.00	23,872	\$0	1,000	\$10,000	24,872	\$0.00	5,878	\$58,780.00
0007E	Quarry Run Stone - Quarry	Ton		\$11.35	\$0.00	35,025	\$0	3,067	\$96,150	38,092	\$0.00	3,809	\$119,412.15
0007F	Bedding Stone - Quarry	Ton		\$20.00	\$0.00	1,149	\$0	0	\$0	1,149	\$0.00	0	\$0.00
0007FR	Bedding Stone - AASHTO#1	Ton		\$20.66	\$0.00	0	\$0	0	\$0	0	\$0.00	1,151	\$23,779.66
0008A	Spillway Type A	LS		\$57,007.95	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008B	Spillway Type B	LS		\$74,032.80	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
00010	Settlement Pads	Each		\$202.31	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
RETAINAGE					\$0.00								
TOTALS						\$32,927,582.95		\$2,650,763.47		\$35,578,346.42			

\$34,716,299.43

Previous Payment \$31,366,699.17  
 Total Refund This Period \$  
 Amount Due Contractor \$3,549,600.26 This Estimate  
 USACE - Contractor (\$862,046.99) This month

Maryland Port Authority  
 Poplar Island Habitat Restoration Project - Phase II

CONTRACTOR ESTIMATE & USACE PAYMENTS

Item Number	Unit	Quantity	Contract Unit Price	Contract Amount	Contractor's Estimate No. 19 December 1 to December 31, 2001						USACE Partial Payment No. 19 Dated January 29, 2001		
					Previous Quantity	Previous Amount	This Period Quantity	This Period Amount	To Date Quantity	To Date Amount	Total Quantity	Total Amount	
0001	Reimbursement for P & P Bond	Job	1	\$178,700	\$178,700.00	100%	\$178,700	0%	\$0	100%	\$178,700.00	100%	\$178,700.00
0002	Mud and Demol	Job	1	\$4,000,000	\$4,000,000.00	81%	\$3,240,000	0%	\$0	81%	\$3,240,000.00	81%	\$3,240,000.00
0005	Crushed Stone Roadway	S.Y.	63,140	\$10.00	\$631,400.00	0%	\$0	0%	\$0	0%	\$0.00	0%	\$0.00
0004	Crushed Stone Roadway 90%	S.Y.	198,807	\$4.00	\$795,228.00	16167	\$179,760	8512	\$60,838.37	24,679	\$274,806.37	24,679	\$246,790.00
	Geotextile	S.Y.		\$4.00	\$4.00	142,445	\$696,595	19,304	\$35,782	161,749	\$730,376.50	125,608	\$502,452.00
0005	Excavation/Backfill of Unsuitable Foundation	C.Y.	220,100	\$15.00	\$2,861,300.00	226,032	\$2,861,300.00	0	\$0	226,032	\$2,861,300.00	22,579	\$2,880,527.00
0006AA	Dike Fill Material - Zone A	C.Y.	1,148,357	\$7.80	\$9,259,028.60	0	\$0	0	\$0	0	\$0.00	46,200	\$3,612,960.00
	Dike Fill Material - Zone A 90%	C.Y.		\$7.80	\$0.00	993,142	\$2,357,648	130,507	\$609,468	1,123,649	\$8,964,935.64	396,404	\$4,636,351.20
0006AB	Dike Fill Material - Zone B	C.Y.	715,582	\$7.80	\$5,565,939.60	481,029	\$4,479,917	100,105	\$467,490	581,134	\$4,947,407.44	371,811	\$2,900,125.80
	Dike Fill Material - Zone B - 90%	C.Y.		\$7.80	\$0.00	57,111	\$1,993,052	4,123	\$68,648	41,254	\$2,061,700.00	148,391	\$1,469,449.80
0007AA	2000# Top Armor - Quarried Placed	Ton	38,950	\$50.00	\$1,947,500.00	0	\$0	0	\$0	0	\$0.00	41,254	\$2,061,700.00
	2000# Top Armor - Quarried Placed - 90%	Ton		\$50.00	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007AB	2000# Top Armor - Quarried Stockpiled	Ton	5,760	\$50.00	\$188,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007AC	2000# Top Armor - Removed Placed	Ton	3,990	\$25.00	\$99,750.00	3,689	\$96,325	410	\$6,150	4,099	\$102,475.00	4,099	\$102,475.00
0007B	1500# Top Armor	Ton	18,570	\$50.00	\$928,500.00	18,535	\$1,016,818	2,104	\$33,032	21,037	\$1,051,850.00	21,037	\$1,051,850.00
	1500# Top Armor - 90%	Ton		\$50.00	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007CA	3000# Armor Stone - Quarried/Placed	Ton	92,750	\$25.00	\$2,318,750.00	72,611	\$2,079,838	18,484	\$315,708	91,095	\$2,538,478.78	91,679	\$3,208,765.00
	3000# Armor Stone - Quarried/Placed - 90%	Ton		\$25.00	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007CB	3000# Armor Stone - Quarried/Stockpiled	Ton	6,250	\$30.00	\$187,500.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007C	3000# Armor Stone - Removed Placed	Ton	5,750	\$20.00	\$115,000.00	6,095	\$128,630	919	\$18,380	7,012	\$147,010.00	6,770	\$135,460.00
	3000# Armor Stone - Removed Placed 90%	Ton		\$20.00	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007DA	250# Stone - Quarried/Placed	Ton	51,770	\$35.00	\$1,811,950.00	\$4,679	\$1,366,390	7,147	\$83,382	41,826	\$1,513,774.86	41,825	\$1,461,875.00
	250# Stone - Quarried/Placed 90%	Ton		\$35.00	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007DB	250# Stone - Quarried/Stockpiled	Ton	3,480	\$25.00	\$87,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007DC	250# Stone - Removed Placed	Ton	29,250	\$25.00	\$731,250.00	18,994	\$553,650	2,198	\$22,970	21,192	\$566,600.00	21,192	\$329,800.00
	250# Stone - Removed Placed - 90%	Ton		\$25.00	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007E	Quarry Run Stone	Ton	55,025	\$47.00	\$1,646,175.00	34,283	\$1,730,713	3,809	\$59,611	38,092	\$1,790,324.00	38,092	\$1,790,324.00
	Quarry Run Stone - 90%	Ton		\$47.00	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007F	Bedding Stone	Ton	1,149	\$40.00	\$45,960.00	1,149	\$45,960	0	\$0	1,149	\$45,960.00	1,149	\$45,960.00
	Bedding Stone - 90%	Ton		\$40.00	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007R	Bedding Stone - AASHTOW M1	Ton	31,751	\$40.66	\$1,290,995.66	0	\$0	0	\$0	0	\$0.00	24,303	\$988,199.98
	Bedding Stone - AASHTOW M1 90%	Ton		\$40.66	\$0.00	23,083	\$1,029,627	3,796	\$154,341	28,879	\$1,183,968.03	4,118	\$167,457.88
0008A	Type A Spillway	Each	5	\$150,000.00	\$750,000.00	4	\$435,000	0	\$105,250	7,606	\$640,250.00	3,75	\$562,500.00
0008B	Type B Spillway	Each	2	\$300,000.00	\$600,000.00	16,300	\$370,000	0	\$131,000	27,006	\$391,000.00	1,97	\$591,000.00
0009	Shell Culch	Job	1	\$348,960.00	\$248,960.00	100.00%	\$248,960	0%	\$0	75.00%	\$248,960.00	100%	\$348,960.00
00010	Settlement Monitoring Pads	Each	62	\$2,000.00	\$124,000.00	62	\$24,000.00	0	\$0	62	\$25,000.00	25	\$46,000.00
	Settlement Monitoring Pads - Installed	Each		\$1,000.00	\$0.00	0	\$0	0	\$0	39	\$39,000.00	39	\$39,000.00
00011	Utilities	Job	1	\$1,250,000.00	\$1,250,000.00	100%	\$1,250,000	0%	\$0	100%	\$1,250,000.00	100%	\$1,250,000.00
00012	Mud and Blotch	S.Y.	0	\$0.70	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
00012B	Ground Cover AL	S.Y.	175,000	\$3.71	\$646,250.00	41709	\$113,031.39	15,281	\$41,477.00	56,990	\$154,508.39	56,990	\$154,442.90
00013	Mud P-00001 Benchmark AA	Job	1	\$8,383.00	\$8,383.00	0%	\$8,383	0%	\$0	0%	\$8,383.00	100%	\$8,383.00
00014A	Mud P-00005 Pier Dredging AC	Job	1	\$17,426.79	\$17,426.79	1	\$17,427	1	\$0	100%	\$17,426.79	100%	\$17,426.79
00014B	Mud P-00005 Pier Dredging AC	C.Y.	3,900	\$7.79	\$30,364.59	99,200	\$30,381	3,855	\$0	3,853	\$30,381.00	3,853	\$30,399.46
00015	Mud P-00008 Valve Purchase AD	Job	1	\$30,220.00	\$30,220.00	100%	\$28,361	100%	\$0	100%	\$30,220.00	100%	\$30,220.00
00016	Mud P-00009 Acting AJ	Job	1	\$142,454.61	\$142,454.61	100.00%	\$142,455	100%	\$0	100%	\$142,454.61	100%	\$142,454.61
00017	Mud P-00011 Phase 1 Spillways AD	Job	1	\$229,565.00	\$229,565.00	100%	\$259,785	100%	\$0	100%	\$259,785.00	100%	\$229,565.00
00018	Mud P-00012 Phase 1 Photos AM	Job	84	\$221.44	\$18,603.96	5	\$13,951	1	\$4,650	4	\$18,601.03	4	\$18,600.96
00019	Mud P-00016 Cable Reassignment AO	Job	1	\$126,700.00	\$126,700.00	100.00%	\$126,700	100.00%	\$0	100%	\$126,700.00	100%	\$126,700.00
00020	Indian Incentive	Job	1	\$137,591.42	\$137,591.42	48.30%	\$137,591	0.00%	\$0	48%	\$137,591.42	100%	\$137,591.42
00021	Mud P00024 Channel Crossing AP	Job	1	\$45,000.00	\$45,000.00	100.00%	\$0	100.00%	\$45,000	100%	\$45,000.00	100%	\$45,000.00
00022	Valve Purchase	Job	8	\$16,375.00	\$131,000.00	0	\$131,000	0	\$0	0	\$131,000.00	8	\$131,000.00
00023	Utilities	Job	1	\$18,000.00	\$18,000.00	0	\$0	1	\$18,000	1	\$18,000.00	1	\$18,000.00
00024	Temp Ramp	C.Y.	3500	\$7.00	\$24,500.00	0	\$26,775	0	\$0	0	\$26,775.00	6,169	\$43,183.00
00025	Habitat Survey	Job	1	\$2,275.00	\$2,275.00	0	\$45,458	1	\$0	1	\$45,458.00	1	\$2,275.00
00026	Telephone System	Job	1	\$42,106.74	\$42,106.74	0	\$0	0	\$0	0	\$0.00	0	\$0.00
00027	Eagle Compensation	Job	1	\$747,527.70	\$747,527.70	100%	\$0	1	\$753,742	100%	\$753,742.00	1	\$747,527.70
STOCK PILE					\$40,125,752.47								
0003	Crushed Stone Roadway - Stockpiled	Ton		\$9.00	\$0.00	2,000	\$0	14,922	\$134,298.00	16,922	\$0.00	14,250	\$128,250.00
0006	Geotextile	S.Y.		\$2.25	\$0.00	198,807	\$0	0	\$0	198,807	\$0.00	40,672	\$91,512.00
0006AA	Sand Stockpile A	C.Y.		\$3.13	\$0.00	1,148,337	\$0	0	\$0	1,148,337	\$0.00	30,753	\$409,194.29
0006AB	Sand Stockpile B	C.Y.		\$3.13	\$0.00	691,950	\$0	0	\$0	691,950	\$0.00	153,380	\$480,079.40
0007AA	2000# Top Armor - Quarry	Ton		\$33.35	\$0.00	41,234	\$0	0	\$0.00	41,234	\$0.00	0	\$0.00
0007AC	2000# Top Armor - Quarry	Ton		\$10.00	\$0.00	4,099	\$0	0	\$0	4,099	\$0.00	0	\$0.00
0007B	1500# Top Armor - Quarry	Ton		\$33.35	\$0.00	21,037	\$0	0	\$0.00	21,037	\$0.00	0	\$0.00
0007C	3000# Armor Stone - Quarry	Ton		\$33.55	\$0.00	95,693	\$0	11,268	\$362,882.44	106,961	\$0.00	15,282	\$356,579.06
0007CB	3000# Armor Stone - Quarry	Ton		\$10.00	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007C	3000# Armor Stone - Quarry	Ton		\$10.00	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007DA	250# Stone - Quarry	Ton		\$23.33	\$0.00	41,221	\$0	2,743	\$64,003.33	45,964	\$0.00	2,139	\$49,902.87
0007DC	250# Stone - Quarry	Ton		\$10.00	\$0.00	24,872	\$0	0	\$0	24,872	\$0.00	1,480	\$16,800.00
0007E	Quarry Run Stone - Quarry	Ton		\$31.35	\$0.00	38,092	\$0	0	\$0	38,092	\$0.00	0	\$0.00
0007F	Bedding Stone - Quarry	Ton		\$20.00	\$0.00	1,149	\$0	0	\$0	1,149	\$0.00	0	\$0.00
0007R	Bedding Stone - AASHTOW M1	Ton		\$20.66	\$0.00	0	\$0	0	\$0	0	\$0.00	458	\$9,462.28
0008A	Spillway Type A	I.S.		\$57,007.93	\$0.00	0	\$0	0	\$0	0	\$0.00	1	\$80,000.00
0008B	Spillway Type B	I.S.		\$74,032.80	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
00010	Settlement Pads	Each		\$202.31	\$0.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
Retainage					\$0.00								
TOTALS						\$34,716,299.43		\$2,328,452.82		\$38,044,752.25			

\$37,604,749.40

Previous Payment \$21,366,899.17  
 Total Refund This Period \$  
 Amount Due Contractor \$6,338,050.23 This Estimate  
 USACE - Contractor (\$48,002.85) This month

Maryland Port Authority  
Papier Island Habitat Restoration Project - Phase II

CONTRACTOR ESTIMATE & USAFE PAYMENTS

Item Number	Unit	Quantity	Contract Unit Price	Contract Amount	Contractor's Estimate No. 20				To Date Quantity	To Date Amount	USAFE Partial Payment No. 20	Total Quantity	Total Amount
					Previous Quantity	Previous Amount	This Period Quantity	This Period Amount					
0001	Reimbursement for P & P Head	Job	1	\$178,700	\$178,700.00	100%	\$178,700	0%	\$0	100%	\$178,700.00	100%	\$178,700.00
0002	Job and Demos	Job	1	\$4,000,000	\$4,000,000.00	81%	\$3,240,000	0%	\$298,691	89%	\$3,538,691.00	89%	\$3,538,691.00
0003	Crushed Stone Roadway	S.Y.	63,180	\$10.00	\$631,800.00	0%	246.79	\$375,040	17061	\$121,939.75	41,740	41,740	\$417,400.00
0004	Geotextile	S.Y.	198,807	\$4.00	\$795,228.00	118,133	\$724,052	25,117	\$43,955	181,252	\$768,006.75	141,512	\$566,048.00
0005	Excavation Backfill of Unstable Foundation	C.Y.	220,100	\$13.00	\$2,861,300.00	226,032	\$2,861,300	0	\$0	226,032	\$2,861,327.00	221,570	\$2,880,527.00
0006AA	Dike Fill Material - Zone A	C.Y.	1,188,337	\$7.00	\$9,299,028.00	0	\$0	\$0	\$0	\$0	\$0.00	1,188,337	\$9,049,628.00
0006AB	Dike Fill Material - Zone B	C.Y.	713,582	\$7.00	\$5,565,079.00	560,292	\$4,499,653	66,494	\$310,327	626,696	\$5,160,181.00	626,696	\$4,888,228.00
0006AC	Dike Fill Material - Zone C	C.Y.	50	\$3.13	\$156.50	0	\$0	\$0	\$0	\$0	\$0.00	50	\$156.50
0007AA	20000 Twp Armor - Quarried/Placed	Ton	18,950	\$50.00	\$1,047,500.00	41,234	\$2,061,700	0	\$0	41,234	\$2,061,700.00	41,234	\$2,061,700.00
0007AB	20000 Twp Armor - Quarried/Placed - 90%	Ton	3,760	\$50.00	\$188,000.00	0	\$0	3782	\$189,100	3782	\$189,100.00	3782	\$189,100.00
0007AC	20000 Twp Armor - Quarried/Placed - 90%	Ton	1,990	\$25.00	\$49,750.00	4,509	\$102,475	0	\$0	4,509	\$102,475.00	4,999	\$102,475.00
0007D	20000 Twp Armor - Quarried/Placed - 90%	Ton	1,990	\$25.00	\$49,750.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007E	20000 Twp Armor - Quarried/Placed - 90%	Ton	18,970	\$50.00	\$1,048,500.00	21,037	\$1,051,850	0	\$0	21,037	\$1,051,850.00	21,037	\$1,051,850.00
0007F	20000 Twp Armor - 90%	Ton	1,990	\$50.00	\$99,500.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007G	20000 Twp Armor - 90%	Ton	18,970	\$50.00	\$1,048,500.00	21,037	\$1,051,850	0	\$0	21,037	\$1,051,850.00	21,037	\$1,051,850.00
0007H	20000 Twp Armor - 90%	Ton	1,990	\$50.00	\$99,500.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007I	20000 Twp Armor - 90%	Ton	18,970	\$50.00	\$1,048,500.00	21,037	\$1,051,850	0	\$0	21,037	\$1,051,850.00	21,037	\$1,051,850.00
0007J	20000 Twp Armor - 90%	Ton	1,990	\$50.00	\$99,500.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007K	20000 Twp Armor - 90%	Ton	18,970	\$50.00	\$1,048,500.00	21,037	\$1,051,850	0	\$0	21,037	\$1,051,850.00	21,037	\$1,051,850.00
0007L	20000 Twp Armor - 90%	Ton	1,990	\$50.00	\$99,500.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007M	20000 Twp Armor - 90%	Ton	18,970	\$50.00	\$1,048,500.00	21,037	\$1,051,850	0	\$0	21,037	\$1,051,850.00	21,037	\$1,051,850.00
0007N	20000 Twp Armor - 90%	Ton	1,990	\$50.00	\$99,500.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007O	20000 Twp Armor - 90%	Ton	18,970	\$50.00	\$1,048,500.00	21,037	\$1,051,850	0	\$0	21,037	\$1,051,850.00	21,037	\$1,051,850.00
0007P	20000 Twp Armor - 90%	Ton	1,990	\$50.00	\$99,500.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007Q	20000 Twp Armor - 90%	Ton	18,970	\$50.00	\$1,048,500.00	21,037	\$1,051,850	0	\$0	21,037	\$1,051,850.00	21,037	\$1,051,850.00
0007R	20000 Twp Armor - 90%	Ton	1,990	\$50.00	\$99,500.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007S	20000 Twp Armor - 90%	Ton	18,970	\$50.00	\$1,048,500.00	21,037	\$1,051,850	0	\$0	21,037	\$1,051,850.00	21,037	\$1,051,850.00
0007T	20000 Twp Armor - 90%	Ton	1,990	\$50.00	\$99,500.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007U	20000 Twp Armor - 90%	Ton	18,970	\$50.00	\$1,048,500.00	21,037	\$1,051,850	0	\$0	21,037	\$1,051,850.00	21,037	\$1,051,850.00
0007V	20000 Twp Armor - 90%	Ton	1,990	\$50.00	\$99,500.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007W	20000 Twp Armor - 90%	Ton	18,970	\$50.00	\$1,048,500.00	21,037	\$1,051,850	0	\$0	21,037	\$1,051,850.00	21,037	\$1,051,850.00
0007X	20000 Twp Armor - 90%	Ton	1,990	\$50.00	\$99,500.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0007Y	20000 Twp Armor - 90%	Ton	18,970	\$50.00	\$1,048,500.00	21,037	\$1,051,850	0	\$0	21,037	\$1,051,850.00	21,037	\$1,051,850.00
0007Z	20000 Twp Armor - 90%	Ton	1,990	\$50.00	\$99,500.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008	2500 Stone - Quarried/Placed	Ton	11,770	\$35.00	\$411,975.00	43,251	\$1,513,778	679	\$23,772	43,930	\$1,537,550.00	43,930	\$1,537,550.00
0008A	2500 Stone - Quarried/Placed - 90%	Ton	3,400	\$35.00	\$119,000.00	0	\$0	1523	\$48,075	3523	\$123,075.00	3523	\$123,075.00
0008B	2500 Stone - Quarried/Placed - 90%	Ton	79,250	\$25.00	\$1,981,250.00	21,192	\$566,600	165	(\$1,825)	21,127	\$564,775.00	21,192	\$579,300.00
0008C	2500 Stone - Quarried/Placed - 90%	Ton	3,400	\$35.00	\$119,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008D	2500 Stone - Quarried/Placed - 90%	Ton	79,250	\$25.00	\$1,981,250.00	21,192	\$566,600	165	(\$1,825)	21,127	\$564,775.00	21,192	\$579,300.00
0008E	2500 Stone - Quarried/Placed - 90%	Ton	3,400	\$35.00	\$119,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008F	2500 Stone - Quarried/Placed - 90%	Ton	79,250	\$25.00	\$1,981,250.00	21,192	\$566,600	165	(\$1,825)	21,127	\$564,775.00	21,192	\$579,300.00
0008G	2500 Stone - Quarried/Placed - 90%	Ton	3,400	\$35.00	\$119,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008H	2500 Stone - Quarried/Placed - 90%	Ton	79,250	\$25.00	\$1,981,250.00	21,192	\$566,600	165	(\$1,825)	21,127	\$564,775.00	21,192	\$579,300.00
0008I	2500 Stone - Quarried/Placed - 90%	Ton	3,400	\$35.00	\$119,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008J	2500 Stone - Quarried/Placed - 90%	Ton	79,250	\$25.00	\$1,981,250.00	21,192	\$566,600	165	(\$1,825)	21,127	\$564,775.00	21,192	\$579,300.00
0008K	2500 Stone - Quarried/Placed - 90%	Ton	3,400	\$35.00	\$119,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008L	2500 Stone - Quarried/Placed - 90%	Ton	79,250	\$25.00	\$1,981,250.00	21,192	\$566,600	165	(\$1,825)	21,127	\$564,775.00	21,192	\$579,300.00
0008M	2500 Stone - Quarried/Placed - 90%	Ton	3,400	\$35.00	\$119,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008N	2500 Stone - Quarried/Placed - 90%	Ton	79,250	\$25.00	\$1,981,250.00	21,192	\$566,600	165	(\$1,825)	21,127	\$564,775.00	21,192	\$579,300.00
0008O	2500 Stone - Quarried/Placed - 90%	Ton	3,400	\$35.00	\$119,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008P	2500 Stone - Quarried/Placed - 90%	Ton	79,250	\$25.00	\$1,981,250.00	21,192	\$566,600	165	(\$1,825)	21,127	\$564,775.00	21,192	\$579,300.00
0008Q	2500 Stone - Quarried/Placed - 90%	Ton	3,400	\$35.00	\$119,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008R	2500 Stone - Quarried/Placed - 90%	Ton	79,250	\$25.00	\$1,981,250.00	21,192	\$566,600	165	(\$1,825)	21,127	\$564,775.00	21,192	\$579,300.00
0008S	2500 Stone - Quarried/Placed - 90%	Ton	3,400	\$35.00	\$119,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008T	2500 Stone - Quarried/Placed - 90%	Ton	79,250	\$25.00	\$1,981,250.00	21,192	\$566,600	165	(\$1,825)	21,127	\$564,775.00	21,192	\$579,300.00
0008U	2500 Stone - Quarried/Placed - 90%	Ton	3,400	\$35.00	\$119,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008V	2500 Stone - Quarried/Placed - 90%	Ton	79,250	\$25.00	\$1,981,250.00	21,192	\$566,600	165	(\$1,825)	21,127	\$564,775.00	21,192	\$579,300.00
0008W	2500 Stone - Quarried/Placed - 90%	Ton	3,400	\$35.00	\$119,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008X	2500 Stone - Quarried/Placed - 90%	Ton	79,250	\$25.00	\$1,981,250.00	21,192	\$566,600	165	(\$1,825)	21,127	\$564,775.00	21,192	\$579,300.00
0008Y	2500 Stone - Quarried/Placed - 90%	Ton	3,400	\$35.00	\$119,000.00	0	\$0	0	\$0	0	\$0.00	0	\$0.00
0008Z	2500 Stone - Quarried/Placed - 90%	Ton	79,250	\$25.00	\$1,981,250.00	21,192	\$566,600	165	(\$1,825)	21,127	\$564,775.00	21,192	\$579,300.00
0009	Quarry Run Stone	Ton	15,025	\$47.00	\$706,725.00	18,092	\$1,790,324	0	\$0	18,092	\$1,790,324.00	18,092	\$1,790,324.00
0009A	Quarry Run Stone - 90%	Ton	4,499	\$47.00	\$211,413.00	0	\$0	0	\$0	4,499	\$211,413.00	4,499	\$211,413.00
0009B	Quarry Run Stone - 90%	Ton	10,526	\$47.00	\$495,312.00	18,092	\$1,790,324	0	\$0	18,092	\$1,790,324.00	18,092	\$1,790,324.00
0009C	Quarry Run Stone - 90%	Ton	4,499	\$47.00	\$211,413.00	0	\$0	0	\$0	4,499	\$211,413.00	4,499	\$211,413.00
0009D	Quarry Run Stone - 90%	Ton	10,526	\$47.00	\$495,312.00	18,092	\$1,790,324	0	\$0	18,092	\$1,790,324.00	18,092	\$1,790,324.00
0009E	Quarry Run Stone - 90%	Ton	4,499	\$47.00	\$211,413.00	0	\$0	0	\$0	4,499	\$211,413.00	4,499	\$211,413.00
0009F	Quarry Run Stone - 90%	Ton	10,526	\$47.00	\$495,312.00	18,092	\$1,790,324	0	\$0	18,092	\$1,790,324.00	18,092	\$1,790,324.00
0009G	Quarry Run Stone - 90%	Ton	4,499	\$47.00	\$211,413.00	0	\$0	0	\$0	4,499	\$211,413.00	4,499	\$211,413.00
0009H	Quarry Run Stone - 90%	Ton	10,526	\$47.00	\$495,312.00	18,092	\$1,790,324	0	\$0	18,092	\$1,790,324.00	18,092	\$1,790,324.00
0009I	Quarry Run Stone - 90%	Ton	4,499	\$47.00	\$211,413.00	0	\$0	0	\$0	4,499	\$211,413.00	4,499	\$211,413.00
0009J	Quarry Run Stone - 90%	Ton	10,526	\$47.00	\$495,312.00	18,092	\$1,790,324	0	\$0	18,092	\$1,790,324.00	18,092</	



PAYMENT ESTIMATE - CONTRACT PERFORMANCE

1. DATE

May 28, 2002

COE PAY ESTIMATE NO. 22

For the use of this form, see ER 37-2-10 and ER 37-345-10

2. CONTRACTOR & ADDRESS

Tidewater Construction Corp

3. CONTRACT NUMBER.

DACW31-00-C-0017

BALTIMORE

5. DESCRIPTION OF WORK

Poplar Island Habitat Restoration Project - Phase 2

6. APPROPRIATION & PROJECT

See page 3 of 4

7. REQUIRED COMPLETION DATE

December 30, 2001

8. LOCATION

County, Maryland

9. PERIOD COVERED BY THIS ESTIMATE

December 30, 2001 through December 30, 2001

10. JOB ORDER NO.

11. ESTIMATE

Partial No. 22

ITEM NO. a	DESCRIPTION b	UNIT	CONTRACT			TOTAL TO DATE	
			QUANTITY c	UNIT PRICE d	AMOUNT e	QTY / UNIT f	AMOUNT g
0001	Reimbursement of P&P Bonds	JOB	1	\$178,700.00	\$178,700.00	100% JCB	\$178,700.00
	Mobilization & Demobilization	JOB	1	\$4,000,000.00	\$4,000,000.00	100.0% JOB	\$4,000,000.00
0003	Crushed Stone Roadway	S.Y.	63,140	\$10.00	\$631,400.00	59,364 S.Y.	\$593,540.00
	Crushed Stone Roadway - 90%			\$10.00		S.Y.	\$0.00
	Crushed Stone Roadway - Stockpile	TON		\$9.00		0 TON	\$0.00
0004	Geotextile	S.Y.	198,807	\$4.00	\$795,228.00	194,067 S.Y.	\$776,268.00
	Geotextile - 90%			\$4.00		0 S.Y.	\$0.00
	Geotextile - Stockpile			\$2.25		0 S.Y.	\$0.00
0005	Excavation/Backfill of Unsuitable Foundation	C.Y.	220,100	\$13.00	\$2,861,300.00	221,579 C.Y.	\$2,880,527.00
0006AA	Dike Fill Material - Zone A	C.Y.	1,188,337	\$7.80	\$9,269,028.50	1,142,132 C.Y.	\$8,908,629.00
	Dike Fill Material - Zone A - 90%			\$7.80		0 C.Y.	\$0.00
	Dike Fill Material - Zone A - Stockpile			\$3.13		0 C.Y.	\$0.00
0006AB	Dike Fill Material - Zone B	C.Y.	713,582	\$7.80	\$5,565,939.50	665,045 C.Y.	\$5,187,351.00
	Dike Fill Material - Zone B - 90%			\$7.80		0 C.Y.	\$0.00
	Dike Fill Material - Zone B - Stockpile			\$3.13		0 C.Y.	\$0.00
0007AA	2000# Toe Armor - Quarried/Placed	TON	38,950	\$50.00	\$1,947,500.00	41,234 TCN	\$2,061,700.00
	2000# Toe Armor - Quarried/Placed - 90%			\$50.00		0 TON	\$0.00
	2000# Toe Armor - Quarried/Placed - Stockpile			\$33.35		0 TCN	\$0.00
0007AB	2000# Toe Armor - Quarried/Stockpiled	TON	3,760	\$50.00	\$188,000.00	3,782 TON	\$189,100.00
0007AC	2000# Toe Armor - Removed/Placed	TON	3,990	\$25.00	\$99,750.00	4,099 TON	\$102,475.00
	2000# Toe Armor - Removed/Placed - 90%			\$25.00		0 TON	\$0.00
	2000# Toe Armor - Removed/Placed - Stock			\$10.00		0 TON	\$0.00
3	1500# Toe Armor	TON	18,570	\$50.00	\$928,500.00	21,037 TCN	\$1,051,850.00
	1500# Toe Armor - 90%			\$50.00		0 TON	\$0.00
	1500# Toe Armor - Stockpile			\$33.35		0 TCN	\$0.00
Total from Page 2					\$13,998,311.13		\$15,110,640.00

INCLUDES MODIFICATIONS: P00043 TOTAL CONTRACT \$40,463,657.33 TOTAL TO DATE \$41,040,381.00


12. PRESENTED FOR PAYMENT


PAYEE	A. PREVIOUS DEDUCTIONS W/O RETAINED %	\$0.00
Tidewater Construction Corporation	B. PREVIOUS RETAINED PERCENTAGE	\$100,000.00
DATE	C. PREVIOUS PAYMENTS	\$40,777,351.23
TITLE	D. PREVIOUS EARNINGS (A+B+C)	\$40,877,351.23
	E. EARNINGS THIS PERIOD (TOTAL EARNINGS TO DATE, MINUS D)	\$163,529.00
	F. LESS RETAINED PERCENTAGE	\$0.00
	G. LESS DEDUCTIONS OTHER THAN RETAINED %	\$0.00
	H. TOTAL DEDUCTIONS THIS PERIOD (F+G)	\$0.00
	I. RETAINAGE REFUNDED	\$0.00
	J. OTHER REFUNDS	\$0.00
	K. TOTAL REFUNDS THIS PERIOD	\$0.00
	L. AMOUNT DUE CONTRACTOR (E-H+K)	\$163,529.00

13. APPROVED FOR PAYMENT

I CERTIFY that I have checked the quantities covered by this bill or estimate; that the work was actually performed; that the quantities are correct and consistent with all previous computations as actually checked; that the quantities and amounts are wholly consistent with the requirements of the contract or other instrument involved.

15. RECAPITULATION:  
TOTAL RETAINAGE (B+F-I) \$100,000.00 TOT PAID (C+L) \$40,940,381.00

SIGNATURE TITLE DATE  
 Charles M. Franklin, Contracting Officer's Representative 30 May 02

CONTRACTING OFFICER'S APPROVAL DATE  
 Charles M. Franklin, Contracting Officer's Representative 30 May 02





FACTORY & ADDRESS

Tidewater Construction Corporation  
809 S. Military Highway, Virginia Beach, Virginia

PERIOD COVERED TO DATE  
December 30, 2001 through December 30, 2001

ITEM NO.	DESCRIPTION	CONTRACT				TOTAL TO DATE	
		UNIT	QUANTITY	UNIT PRICE	AMOUNT	QTY / UNIT	AMOUNT
a	b		c	d	e	f	g
0007CA	3000# Armor Stone - Quarried/Placed	TON	92,750	\$35.00	\$3,246,250.00	106,406 TON	\$3,724,210.00
	3000# Armor Stone - Quarried/Placed - 90%			\$35.00		0 TON	\$0.00
	3000# Armor Stone - Quarried/Placed - Stock			\$23.33		0 TON	\$0.00
0007CB	3000# Armor Stone - Quarried/Stockpiled	TON	6,230	\$30.00	\$186,900.00	6,285 TON	\$188,550.00
0007CC	3000# Armor Stone - Removed/Placed	TON	5,750	\$20.00	\$115,000.00	6,770 TON	\$135,400.00
	3000# Armor Stone - Removed/Placed - 90%			\$20.00		0 TON	\$0.00
	3000# Armor Stone - Removed/Placed - Stock			\$10.00		0 TON	\$0.00
0007DA	250# Stone - Quarried/Placed	TON	31,770	\$35.00	\$1,111,950.00	43,930 TON	\$1,537,550.00
	250# Stone - Quarried/Placed - 90%			\$35.00		0 TON	\$0.00
	250# Stone - Quarried/Placed - Stockpile			\$23.33		0 TON	\$0.00
0007DB	250# Stone - Quarried/Stockpiled	TON	3,480	\$25.00	\$87,000.00	3,523 TON	\$88,075.00
0007DC	250# Stone - Removed/Placed	TON	29,250	\$25.00	\$731,250.00	21,192 TON	\$529,300.00
	250# Stone - Removed/Placed - 90%			\$25.00		0 TON	\$0.00
	250# Stone - Removed/Placed - Stockpile			\$10.00		0 TON	\$0.00
0007E	Quarry Run Stone	TON	35,025	\$47.00	\$1,646,175.00	38,092 TON	\$1,790,324.00
	Quarry Run Stone - 90%			\$47.00		0 TON	\$0.00
	Quarry Run Stone - Stockpile			\$31.35		0 TON	\$0.00
0007F	Bedding Stone	TON	1,149	\$40.00	\$45,960.00	1,149 TON	\$45,960.00
	Bedding Stone - 90%			\$40.00		0 TON	\$0.00
	Bedding Stone - Stockpile			\$20.00		0 TON	\$0.00
0007FR	Bedding Stone - AASHTO #1		31,751	\$40.66	\$1,290,995.66	32,468 TON	\$1,320,148.88
	Bedding Stone - AASHTO #1 - 90%			\$40.66		0 TON	\$0.00
	Bedding Stone - AASHTO #1 - Stockpile			\$20.66		0 TON	\$0.00
0008A	Spillway - Type A	EA	4	\$150,000.00	\$600,000.00	4 EA	\$600,000.00
0008AA	Spillway - Type A (Delivered)	EA	1	\$140,401.00	\$140,401.00	1 EA	\$140,401.00
0008B	Spillway - Type B	EA	2	\$300,000.00	\$600,000.00	2 EA	\$600,000.00
	Stored Materials			\$0.00		0 LS	\$0.00
0009	Shell Cultch	JOB	1	\$248,960.00	\$248,960.00	100% JOB	\$248,960.00
0010	Settlement Monitoring Pads	EA	62	\$2,000.00	\$124,000.00	62 EA	\$124,000.00
	Settlement Monitoring Pads - Installed			\$1,000.00		0 EA	\$0.00
	Settlement Monitoring Pads - Stockpile			\$202.31		0 EA	\$0.00
	Utilities	JOB	1	\$1,250,000.00	\$1,250,000.00	100% JOB	\$1,250,000.00
0011	Seed and Mulch	S.Y.	0	\$0.70	\$0.00	0 S.Y.	\$0.00
0012B	Ground Cover	S.Y.	175,000	\$2.71	\$474,250.00	245217 S.Y.	\$664,538.00
0013	Mod P-00003 Benchmarks	JOB	1	\$8,383.00	\$8,383.00	100% JOB	\$8,383.00
0014A	Mod P-00005 Pier Dredging	JOB	1	\$17,426.79	\$17,426.79	100% JOB	\$17,426.79
0014B	Mod P-00005 Pier Dredging	C.Y.	3,900	\$7.79	\$30,364.39	3853 C.Y.	\$29,998.00
0015	Mod P-00008 Valve Purchase	JOB	1	\$30,220.00	\$30,220.00	100% JOB	\$30,220.00
0016	Mod P-00009 Jetting	JOB	1	\$142,454.61	\$142,454.61	100% JOB	\$142,454.61
0017	Mod P-00011 Phase 1 Spillways	JOB	1	\$229,565.00	\$229,565.00	100% JOB	\$229,565.00
0018	Mod P-00012 Phase 1 Photos	EA	84	\$221.44	\$18,600.96	84 EA	\$18,600.96
0019	Mod P-00016 Cable Realignment	JOB	1	\$126,700.00	\$126,700.00	100% JOB	\$126,700.00
0020	Indian Incentive	JOB	1	\$301,121.28	\$301,121.28	100% JOB	\$301,121.28
0021	Mod P-00024 Channel Crossing	JOB	1	\$45,000.00	\$45,000.00	100% JOB	\$45,000.00
0022	Mod P-00025 Valve	EA	8	\$16,375.00	\$131,000.00	8 EA	\$131,000.00
0023	Mod P-00031 Utility	JOB	1	\$18,000.00	\$18,000.00	1 JOB	\$18,000.00
0024	Mod P-00032 Temp Ramp	C.Y.	3,500	\$7.00	\$24,500.00	6189 C.Y.	\$43,133.00
0025	Mod P-00032 Habitat Survey	JOB	1	\$2,275.00	\$2,275.00	1 JOB	\$2,275.00
0026	Mod P00036 Telephone System	JOB	1	\$42,106.74	\$42,106.74	1 JOB	\$42,106.74
0027	Mod P00039 Eagle Compensation	JOB	1	\$747,527.70	\$747,527.70	1 JOB	\$747,527.70
0028	Mod P-00040 Dredge Credit	JOB	1	-\$106,243.00	-\$106,243.00	1 JOB	-\$106,243.00
0029	Mod P-00040 Phase 1 Roadway	SY	4,140	\$14.00	\$57,960.00	4217 SY	\$59,038.00
0030	Mod P-00040 Phase 1 Road Fill	CY	235	\$7.80	\$1,833.00	235 CY	\$1,833.00
0031	Mod P-00040 Jefferson Island Photos	EA	1	\$469.00	\$469.00	1 EA	\$469.00
0032	Mod P-00040 Cell 4D Dike	CY	6,000	\$7.80	\$46,800.00	6000 CY	\$46,800.00
0033	Mod P-00040 Cell 4D Fill	CY	37,180	\$2.25	\$83,655.00	37180 CY	\$83,655.00
0034	Mod P-00040 Section 10 Stone	TON	1,660	\$5.00	\$8,300.00	1937 TON	\$9,585.00
0035	Mod P-00040 Section 10 Fabric	SY	800	\$4.00	\$3,200.00	1481 SY	\$5,924.00
0036	Mod P-00040 Extended Field Overhead	DA	8	\$11,000.00	\$88,000.00	3 DA	\$33,000.00
TOTAL THIS PAGE					\$13,998,311.13		\$15,110,640.00

2. CONTRACTOR & ADDRESS Tidewater Construction Corp  
 309 S. Military Highway, Virginia Beach, Virginia 23464

3. CONTRACT NUMBER DACW31-00-C-0017

4. DISTRICT BALTIMORE

5. DESCRIPTION OF WORK Poplar Island Habitat Restoration Project - Phase 2

6. APPROPRIATION & PROJECT See page 3 of 4

7. REQUIRED COMPLETION DATE December 30, 2001

8. LOCATION Calvert County, Maryland

9. PERIOD COVERED BY THIS ESTIMATE December 30, 2001 through December 30, 2001

10. JOB ORDER NO.

11. ESTIMATE Partial No. 23

ITEM NO.	DESCRIPTION	UNIT	CONTRACT			TOTAL TO DATE	
			QUANTITY	UNIT PRICE	AMOUNT	QTY / UNIT	AMOUNT
a	b		c	d	e	f	g
001	Reimbursement of P&P Bonds	JOB	1	\$178,700.00	\$178,700.00	100% JOB	\$178,700.00
	Mobilization & Demobilization	JOB	1	\$4,000,000.00	\$4,000,000.00	100.0% JOB	\$4,000,000.00
0003	Crushed Stone Roadway	S.Y.	63,140	\$10.00	\$631,400.00	59,364 S.Y.	\$593,640.00
	Crushed Stone Roadway - 90%			\$10.00		S.Y.	\$0.00
	Crushed Stone Roadway - Stockpile	TON		\$9.00		0 TON	\$0.00
0004	Geotextile	S.Y.	198,807	\$4.00	\$795,228.00	194,067 S.Y.	\$776,268.00
	Geotextile - 90%			\$4.00		0 S.Y.	\$0.00
	Geotextile - Stockpile			\$2.25		0 S.Y.	\$0.00
0005	Excavation/Backfill of Unsuitable Foundation	C.Y.	220,100	\$13.00	\$2,861,300.00	221,579 C.Y.	\$2,880,527.00
0006AA	Dike Fill Material - Zone A	C.Y.	1,188,337	\$7.80	\$9,269,028.60	1,142,132 C.Y.	\$8,908,629.60
	Dike Fill Material - Zone A - 90%			\$7.80		0 C.Y.	\$0.00
	Dike Fill Material - Zone A - Stockpile			\$3.13		0 C.Y.	\$0.00
0006AB	Dike Fill Material - Zone B	C.Y.	713,582	\$7.80	\$5,565,939.60	665,045 C.Y.	\$5,187,351.00
	Dike Fill Material - Zone B - 90%			\$7.80		0 C.Y.	\$0.00
	Dike Fill Material - Zone B - Stockpile			\$3.13		0 C.Y.	\$0.00
0007AA	2000# Toe Armor - Quarried/Placed	TON	38,950	\$50.00	\$1,947,500.00	41,234 TON	\$2,061,700.00
	2000# Toe Armor - Quarried/Placed - 90%			\$50.00		0 TON	\$0.00
	2000# Toe Armor - Quarried/Placed - Stockpile			\$33.35		0 TON	\$0.00
0007AB	2000# Toe Armor - Quarried/Stockpiled	TON	3,760	\$50.00	\$188,000.00	3,782 TON	\$189,100.00
0007AC	2000# Toe Armor - Removed/Placed	TON	3,990	\$25.00	\$99,750.00	4,099 TON	\$102,475.00
	2000# Toe Armor - Removed/Placed - 90%			\$25.00		0 TON	\$0.00
	2000# Toe Armor - Removed/Placed - Stock			\$10.00		0 TON	\$0.00
0007B	1500# Toe Armor	TON	18,570	\$50.00	\$928,500.00	21,037 TON	\$1,051,850.00
	1500# Toe Armor - 90%			\$50.00		0 TON	\$0.00
	1500# Toe Armor - Stockpile			\$33.35		0 TON	\$0.00
Total from Page 2					\$13,998,311.13		\$15,110,640.49

INCLUDES MODIFICATIONS: P00043 TOTAL CONTRACT \$40,463,657.33 TOTAL TO DATE \$41,040,881.09

12. PRESENTED FOR PAYMENT

PAYEE

Tidewater Construction Corporation

DATE TITLE

A. PREVIOUS DEDUCTIONS W/O RETAINED %	\$0.00
B. PREVIOUS RETAINED PERCENTAGE	\$100,000.00
C. PREVIOUS PAYMENTS	\$40,940,881.09
D. PREVIOUS EARNINGS (A+B+C)	\$41,040,881.09
E. EARNINGS THIS PERIOD (TOTAL EARNINGS TO DATE, MINUS D)	\$0.00
F. LESS RETAINED PERCENTAGE	\$0.00
G. LESS DEDUCTIONS OTHER THAN RETAINED %	\$0.00
H. TOTAL DEDUCTIONS THIS PERIOD (F+G)	\$0.00
I. RETAINAGE REFUNDED	\$100,000.00
J. OTHER REFUNDS	\$0.00
K. TOTAL REFUNDS THIS PERIOD	\$100,000.00
L. AMOUNT DUE CONTRACTOR (E-H+K)	\$100,000.00

13. APPROVED FOR PAYMENT

CERTIFY that I have checked the quantities covered by this bill or estimate; that the work was actually performed; that the quantities are correct and consistent with all previous computations as actually checked; that the quantities and amounts are wholly consistent with the requirements of the contract or other instrument involved.

15. RECAPITULATION:

TOTAL RETAINAGE (B+F-I) \$0.00 TOT PAID (C-L) \$41,040,881.09

SIGNATURE	TITLE	DATE	CONTRACTING OFFICER'S APPROVAL	DATE
		12 July 02		12 July 02
CHARLES M. FRANKLIN, Contracting Officer's Representative			CHARLES M. FRANKLIN, Contracting Officer's Representative	

CONTRACTOR & ADDRESS

Tidewater Construction Corporation  
809 S. Military Highway, Virginia Beach, Virginia

PERIOD COVERED TO DATE  
December 30, 2001 through December 30, 2001

ITEM	DESCRIPTION	CONTRACT				TOTAL TO DATE	
		UNIT	QUANTITY	UNIT PRICE	AMOUNT	QTY / UNIT	AMOUNT
007	3000# Armor Stone - Quarried/Placed	TON	92,750	\$35.00	\$3,246,250.00	106,406 TON	\$3,724,210.00
	3000# Armor Stone - Quarried/Placed - 90%			\$35.00		0 TON	\$0.00
	3000# Armor Stone - Quarried/Placed - Stock			\$23.33		0 TON	\$0.00
007CB	3000# Armor Stone - Quarried/Stockpiled	TON	6,230	\$30.00	\$186,900.00	6,285 TON	\$188,550.00
007CC	3000# Armor Stone - Removed/Placed	TON	5,750	\$20.00	\$115,000.00	6,770 TON	\$135,400.00
	3000# Armor Stone - Removed/Placed - 90%			\$20.00		0 TON	\$0.00
	3000# Armor Stone - Removed/Placed - Stock			\$10.00		0 TON	\$0.00
007DA	250# Stone - Quarried/Placed	TON	31,770	\$35.00	\$1,111,950.00	43,930 TON	\$1,537,550.00
	250# Stone - Quarried/Placed - 90%			\$35.00		0 TON	\$0.00
	250# Stone - Quarried/Placed - Stockpile			\$23.33		0 TON	\$0.00
007DB	250# Stone - Quarried/Stockpiled	TON	3,480	\$25.00	\$87,000.00	3,523 TON	\$88,075.00
007DC	250# Stone - Removed/Placed	TON	29,250	\$25.00	\$731,250.00	21,192 TON	\$529,800.00
	250# Stone - Removed/Placed - 90%			\$25.00		0 TON	\$0.00
	250# Stone - Removed/Placed - Stockpile			\$10.00		0 TON	\$0.00
007E	Quarry Run Stone	TON	35,025	\$47.00	\$1,646,175.00	38,092 TON	\$1,790,324.00
	Quarry Run Stone - 90%			\$47.00		0 TON	\$0.00
	Quarry Run Stone - Stockpile			\$31.35		0 TON	\$0.00
007F	Bedding Stone	TON	1,149	\$40.00	\$45,960.00	1,149 TON	\$45,960.00
	Bedding Stone - 90%			\$40.00		0 TON	\$0.00
	Bedding Stone - Stockpile			\$20.00		0 TON	\$0.00
007FR	Bedding Stone - AASHTO #1		31,751	\$40.66	\$1,290,995.66	32,468 TON	\$1,320,148.88
	Bedding Stone - AASHTO #1 - 90%			\$40.66		0 TON	\$0.00
	Bedding Stone - AASHTO #1 - Stockpile			\$20.66		0 TON	\$0.00
008A	Spillway - Type A	EA	4	\$150,000.00	\$600,000.00	4 EA	\$600,000.00
008AA	Spillway - Type A (Delivered)	EA	1	\$140,401.00	\$140,401.00	1 EA	\$140,401.00
008B	Spillway - Type B	EA	2	\$300,000.00	\$600,000.00	2 EA	\$600,000.00
	Stored Materials			\$0.00		0 LS	\$0.00
009	Shell Cultch	JOB	1	\$248,960.00	\$248,960.00	100% JOB	\$248,960.00
	Settlement Monitoring Pads	EA	62	\$2,000.00	\$124,000.00	62 EA	\$124,000.00
	Settlement Monitoring Pads - Installed			\$1,000.00		0 EA	\$0.00
	Settlement Monitoring Pads - Stockpile			\$202.31		0 EA	\$0.00
0011	Utilities	JOB	1	\$1,250,000.00	\$1,250,000.00	100% JOB	\$1,250,000.00
012	Seed and Mulch	S.Y.	0	\$0.70	\$0.00	0 S.Y.	\$0.00
012B	Ground Cover	S.Y.	175,000	\$2.71	\$474,250.00	245,217 S.Y.	\$664,538.07
0013	Mod P-00003 Benchmarks	JOB	1	\$8,383.00	\$8,383.00	100% JOB	\$8,383.00
0014A	Mod P-00005 Pier Dredging	JOB	1	\$17,426.79	\$17,426.79	100% JOB	\$17,426.79
0014B	Mod P-00005 Pier Dredging	C.Y.	3,900	\$7.79	\$30,364.39	3,853 C.Y.	\$29,998.46
0015	Mod P-00008 Valve Purchase	JOB	1	\$30,220.00	\$30,220.00	100% JOB	\$30,220.00
0016	Mod P-00009 Jetting	JOB	1	\$142,454.61	\$142,454.61	100% JOB	\$142,454.61
0017	Mod P-00011 Phase 1 Spillways	JOB	1	\$229,565.00	\$229,565.00	100% JOB	\$229,565.00
0018	Mod P-00012 Phase 1 Photos	EA	84	\$221.44	\$18,600.96	84 EA	\$18,600.96
0019	Mod P-00016 Cable Realignment	JOB	1	\$126,700.00	\$126,700.00	100% JOB	\$126,700.00
0020	Indian Incentive	JOB	1	\$301,121.28	\$301,121.28	100% JOB	\$301,121.28
0021	Mod P-00024 Channel Crossing	JOB	1	\$45,000.00	\$45,000.00	100% JOB	\$45,000.00
0022	Mod P-00025 Valve	EA	8	\$16,375.00	\$131,000.00	8 EA	\$131,000.00
0023	Mod P-00031 Utility	JOB	1	\$18,000.00	\$18,000.00	1 JOB	\$18,000.00
0024	Mod P-00032 Temp Ramp	C.Y.	3,500	\$7.00	\$24,500.00	6,169 C.Y.	\$43,183.00
0025	Mod P-00032 Habitat Survey	JOB	1	\$2,275.00	\$2,275.00	1 JOB	\$2,275.00
0026	Mod P00036 Telephone System	JOB	1	\$42,106.74	\$42,106.74	1 JOB	\$42,106.74
0027	Mod P00039 Eagle Compensation	JOB	1	\$747,527.70	\$747,527.70	1 JOB	\$747,527.70
0028	Mod P-00040 Dredge Credit	JOB	1	-\$106,243.00	-\$106,243.00	1 JOB	-\$106,243.00
0029	Mod P-00040 Phase 1 Roadway	SY	4,140	\$14.00	\$57,960.00	4,217 SY	\$59,038.00
0030	Mod P-00040 Phase 1 Road Fill	CY	235	\$7.80	\$1,833.00	235 CY	\$1,833.00
0031	Mod P-00040 Jefferson Island Photos	EA	1	\$469.00	\$469.00	1 EA	\$469.00
0032	Mod P-00040 Cell 4D Dike	CY	6,000	\$7.80	\$46,800.00	6,000 CY	\$46,800.00
0033	Mod P-00040 Cell 4D Fill	CY	37,180	\$2.25	\$83,655.00	37,180 CY	\$83,655.00
0034	Mod P-00040 Section 10 Stone	TON	1,660	\$5.00	\$8,300.00	1,937 TON	\$9,585.00
0035	Mod P-00040 Section 10 Fabric	SY	800	\$4.00	\$3,200.00	1,481 SY	\$5,924.00
0036	Mod P-00040 Extended Field Overhead	DA	8	\$11,000.00	\$88,000.00	8 DA	\$88,000.00

TOTAL THIS PAGE

\$13,998,311.13

\$15,110,540.49

PAYMENT ESTIMATE - CONTRACT PERFORMANCE

1. DATE

COE PAY ESTIMATE NO

For the use of this form, see ER 37-2-10 and ER 37-345-10

August 23, 2002

2. CONTRACTOR & ADDRESS

Tidewater Construction Corp

3. CONTRACT NUMBER.

DACW31-00-C-0017

4. DISTRICT

BALTIMORE

5. DESCRIPTION OF WORK Poplar Island Habitat Restoration Project - Phase 2

6. APPROPRIATION & PROJECT See page 3 of 4

7. REQUIRED COMPLETION DATE December 30, 2001

8. LOCATION

T County, Maryland

9. PERIOD COVERED BY THIS ESTIMATE

December 30, 2001 through December 30, 2001

10. JOB ORDER NO.

11. ESTIMATE

Partial No. 24

ITEM NO. a	DESCRIPTION b	UNIT	CONTRACT			TOTAL TO DATE	
			QUANTITY c	UNIT PRICE d	AMOUNT e	QTY / UNIT f	AMOUNT g
0001	Reimbursement of P&P Bonds	JOB	1	\$178,700.00	\$178,700.00	100% JOB	\$178,700.00
	Mobilization & Demobilization	JOB	1	\$4,000,000.00	\$4,000,000.00	100.0% JOB	\$4,000,000.00
0003	Crushed Stone Roadway	S.Y.	63,140	\$10.00	\$631,400.00	59,364 S.Y.	\$593,640.00
	Crushed Stone Roadway - 90%			\$10.00		S.Y.	\$0.00
	Crushed Stone Roadway - Stockpile	TON		\$9.00		0 TON	\$0.00
0004	Geotextile	S.Y.	198,807	\$4.00	\$795,228.00	194,067 S.Y.	\$776,268.00
	Geotextile - 90%			\$4.00		0 S.Y.	\$0.00
	Geotextile - Stockpile			\$2.25		0 S.Y.	\$0.00
0005	Excavation/Backfill of Unsuitable Foundation	C.Y.	220,100	\$13.00	\$2,861,300.00	221,579 C.Y.	\$2,880,527.00
0006AA	Dike Fill Material - Zone A	C.Y.	1,188,337	\$7.80	\$9,269,028.60	1,142,132 C.Y.	\$8,908,629.60
	Dike Fill Material - Zone A - 90%			\$7.80		0 C.Y.	\$0.00
	Dike Fill Material - Zone A - Stockpile			\$3.13		0 C.Y.	\$0.00
0006AB	Dike Fill Material - Zone B	C.Y.	713,582	\$7.80	\$5,565,939.60	676,625 C.Y.	\$5,277,675.00
	Dike Fill Material - Zone B - 90%			\$7.80		0 C.Y.	\$0.00
	Dike Fill Material - Zone B - Stockpile			\$3.13		0 C.Y.	\$0.00
0007AA	2000# Toe Armor - Quarried/Placed	TON	38,950	\$50.00	\$1,947,500.00	41,234 TON	\$2,061,700.00
	2000# Toe Armor - Quarried/Placed - 90%			\$50.00		0 TON	\$0.00
	2000# Toe Armor - Quarried/Placed - Stockpile			\$33.35		0 TON	\$0.00
0007AB	2000# Toe Armor - Quarried/Stockpiled	TON	3,760	\$50.00	\$188,000.00	3,782 TON	\$189,100.00
0007AC	2000# Toe Armor - Removed/Placed	TON	3,990	\$25.00	\$99,750.00	4,099 TON	\$102,475.00
	2000# Toe Armor - Removed/Placed - 90%			\$25.00		0 TON	\$0.00
	2000# Toe Armor - Removed/Placed - Stock			\$10.00		0 TON	\$0.00
0007	1500# Toe Armor	TON	18,570	\$50.00	\$928,500.00	21,037 TON	\$1,051,850.00
	1500# Toe Armor - 90%			\$50.00		0 TON	\$0.00
	1500# Toe Armor - Stockpile			\$33.35		0 TON	\$0.00
Total from Page 2					\$13,998,311.13		\$15,110,640.49

INCLUDES MODIFICATIONS: P00043 TOTAL CONTRACT \$40,463,657.33 TOTAL TO DATE \$41,131,205.09

12. PRESENTED FOR PAYMENT

PAYEE

Tidewater Construction Corporation

DATE TITLE

13. APPROVED FOR PAYMENT

I CERTIFY that I have checked the quantities covered by this bill or estimate; that the work was actually performed; that the quantities are correct and consistent with all previous computations as actually checked; that the quantities and amounts are wholly consistent with the requirements of the contract or other instrument involved.

SIGNATURE

TITLE

DATE

CONTRACTING OFFICER APPROVAL

DATE

ES M. FRANKLIN, Contracting Officer's Representative

CHARLES M. FRANKLIN, Contracting Officer's Representative

A. PREVIOUS DEDUCTIONS W/O RETAINED %	\$0.00	
B. PREVIOUS RETAINED PERCENTAGE	\$0.00	
C. PREVIOUS PAYMENTS	\$41,040,881.09	
D. PREVIOUS EARNINGS (A+B+C)		\$41,040,881.09
E. EARNINGS THIS PERIOD (TOTAL EARNINGS TO DATE, MINUS D)		\$90,324.00
F. LESS RETAINED PERCENTAGE	\$0.00	
G. LESS DEDUCTIONS OTHER THAN RETAINED %	\$0.00	
H. TOTAL DEDUCTIONS THIS PERIOD (F+G)		\$0.00
I. RETAINAGE REFUNDED	\$0.00	
J. OTHER REFUNDS	\$0.00	
K. TOTAL REFUNDS THIS PERIOD		\$0.00
L. AMOUNT DUE CONTRACTOR (E-H+K)		\$90,324.00

15. RECAPITULATION:

TOTAL RETAINAGE (B+F-I) \$0.00 TOT PAID (C+L) \$41,131,205.09

26 Aug 02

26 Aug 02

CONTRACTOR & ADDRESS

Tidewater Construction Corporation  
809 S. Military Highway, Virginia Beach, Virginia

PERIOD COVERED TO DATE  
December 30, 2001 through December 30, 2002

ITEM NO.	DESCRIPTION	CONTRACT				TOTAL TO DATE	
		UNIT	QUANTITY	UNIT PRICE	AMOUNT	QTY / UNIT	AMOUNT
a	b		c	d	e	f	g
0007CA	3000# Armor Stone - Quarried/Placed	TON	92,750	\$35.00	\$3,246,250.00	106,406 TON	\$3,724,210.00
	3000# Armor Stone - Quarried/Placed - 90%			\$35.00		0 TON	\$0.00
	3000# Armor Stone - Quarried/Placed - Stock			\$23.33		0 TON	\$0.00
0007CB	3000# Armor Stone - Quarried/Stockpiled	TON	6,230	\$30.00	\$186,900.00	6,285 TON	\$188,550.00
0007CC	3000# Armor Stone - Removed/Placed	TON	5,750	\$20.00	\$115,000.00	6,770 TON	\$135,400.00
	3000# Armor Stone - Removed/Placed - 90%			\$20.00		0 TON	\$0.00
	3000# Armor Stone - Removed/Placed - Stock			\$10.00		0 TON	\$0.00
0007DA	250# Stone - Quarried/Placed	TON	31,770	\$35.00	\$1,111,950.00	43,930 TON	\$1,537,550.00
	250# Stone - Quarried/Placed - 90%			\$35.00		0 TON	\$0.00
	250# Stone - Quarried/Placed - Stockpile			\$23.33		0 TON	\$0.00
0007DB	250# Stone - Quarried/Stockpiled	TON	3,480	\$25.00	\$87,000.00	3,523 TON	\$88,075.00
0007DC	250# Stone - Removed/Placed	TON	29,250	\$25.00	\$731,250.00	21,192 TON	\$529,800.00
	250# Stone - Removed/Placed - 90%			\$25.00		0 TON	\$0.00
	250# Stone - Removed/Placed - Stockpile			\$10.00		0 TON	\$0.00
0007E	Quarry Run Stone	TON	35,025	\$47.00	\$1,646,175.00	38,092 TON	\$1,790,324.00
	Quarry Run Stone - 90%			\$47.00		0 TON	\$0.00
	Quarry Run Stone - Stockpile			\$31.35		0 TON	\$0.00
0007F	Bedding Stone	TON	1,149	\$40.00	\$45,960.00	1,149 TON	\$45,960.00
	Bedding Stone - 90%			\$40.00		0 TON	\$0.00
	Bedding Stone - Stockpile			\$20.00		0 TON	\$0.00
0007FR	Bedding Stone - AASHTO #1		31,751	\$40.66	\$1,290,995.66	32,468 TON	\$1,320,148.88
	Bedding Stone - AASHTO #1 - 90%			\$40.66		0 TON	\$0.00
	Bedding Stone - AASHTO #1 - Stockpile			\$20.66		0 TON	\$0.00
0008A	Spillway - Type A	EA	4	\$150,000.00	\$600,000.00	4 EA	\$600,000.00
0008AA	Spillway - Type A (Delivered)	EA	1	\$140,401.00	\$140,401.00	1 EA	\$140,401.00
0008B	Spillway - Type B	EA	2	\$300,000.00	\$600,000.00	2 EA	\$600,000.00
	Stored Materials			\$0.00		0 LS	\$0.00
0009	Shell Culch	JOB	1	\$248,960.00	\$248,960.00	100% JOB	\$248,960.00
0010	Settlement Monitoring Pads	EA	62	\$2,000.00	\$124,000.00	62 EA	\$124,000.00
	Settlement Monitoring Pads - Installed			\$1,000.00		0 EA	\$0.00
	Settlement Monitoring Pads - Stockpile			\$202.31		0 EA	\$0.00
0011	Utilities	JOB	1	\$1,250,000.00	\$1,250,000.00	100% JOB	\$1,250,000.00
0012	Seed and Mulch	S.Y.	0	\$0.70	\$0.00	0 S.Y.	\$0.00
0013	Ground Cover	S.Y.	175,000	\$2.71	\$474,250.00	245,217 S.Y.	\$664,538.07
0014	Mod P-00003 Benchmarks	JOB	1	\$8,383.00	\$8,383.00	100% JOB	\$8,383.00
0014A	Mod P-00005 Pier Dredging	JOB	1	\$17,426.79	\$17,426.79	100% JOB	\$17,426.79
0014B	Mod P-00005 Pier Dredging	C.Y.	3,900	\$7.79	\$30,364.39	3,853 C.Y.	\$29,998.46
0015	Mod P-00008 Valve Purchase	JOB	1	\$30,220.00	\$30,220.00	100% JOB	\$30,220.00
0016	Mod P-00009 Jetting	JOB	1	\$142,454.61	\$142,454.61	100% JOB	\$142,454.61
0017	Mod P-00011 Phase 1 Spillways	JOB	1	\$229,565.00	\$229,565.00	100% JOB	\$229,565.00
0018	Mod P-00012 Phase 1 Photos	EA	84	\$221.44	\$18,600.96	84 EA	\$18,600.96
0019	Mod P-00016 Cable Realignment	JOB	1	\$126,700.00	\$126,700.00	100% JOB	\$126,700.00
0020	Indian Incentive	JOB	1	\$301,121.28	\$301,121.28	100% JOB	\$301,121.28
0021	Mod P-00024 Channel Crossing	JOB	1	\$45,000.00	\$45,000.00	100% JOB	\$45,000.00
0022	Mod P-00025 Valve	EA	8	\$16,375.00	\$131,000.00	8 EA	\$131,000.00
0023	Mod P-00031 Utility	JOB	1	\$18,000.00	\$18,000.00	1 JOB	\$18,000.00
0024	Mod P-00032 Temp Ramp	C.Y.	3,500	\$7.00	\$24,500.00	6,169 C.Y.	\$43,193.00
0025	Mod P-00032 Habitat Survey	JOB	1	\$2,275.00	\$2,275.00	1 JOB	\$2,275.00
0026	Mod P00036 Telephone System	JOB	1	\$42,106.74	\$42,106.74	1 JOB	\$42,106.74
0027	Mod P00039 Eagle Compensation	JOB	1	\$747,527.70	\$747,527.70	1 JOB	\$747,527.70
0028	Mod P-00040 Dredge Credit	JOB	1	-\$106,243.00	-\$106,243.00	1 JOB	-\$106,243.00
0029	Mod P-00040 Phase 1 Roadway	SY	4,140	\$14.00	\$57,960.00	4,217 SY	\$59,038.00
0030	Mod P-00040 Phase 1 Road Fill	CY	235	\$7.80	\$1,833.00	235 CY	\$1,833.00
0031	Mod P-00040 Jefferson Island Photos	EA	1	\$469.00	\$469.00	1 EA	\$469.00
0032	Mod P-00040 Cell 4D Dike	CY	6,000	\$7.80	\$46,800.00	6,000 CY	\$46,800.00
0033	Mod P-00040 Cell 4D Fill	CY	37,180	\$2.25	\$83,655.00	37,180 CY	\$83,655.00
0034	Mod P-00040 Section 10 Stone	TON	1,660	\$5.00	\$8,300.00	1,937 TON	\$9,585.00
0035	Mod P-00040 Section 10 Fabric	SY	800	\$4.00	\$3,200.00	1,481 SY	\$5,924.00
0036	Mod P-00040 Extended Field Overhead	DA	8	\$11,000.00	\$88,000.00	8 DA	\$88,000.00

TOTAL THIS PAGE

\$13,998,311.13

\$15,110,540.49

#### **4.10 GBA Estimated Percent Completion of Work**

Poplar Island Habitat Restoration Project - Phase II  
 Tidewater Construction Corp Virginia Beach, Virginia

	Qty	CONTRACTOR BID TABULATION			REPORTED AS OF November 30, 2001		
		Unit	Unit Rate	Cost \$	Qty	%	Cost
0001	1	L.S.	\$178,700	\$178,700	1	100.0%	\$178,700
0002	1	L.S.	\$4,000,000	\$4,000,000	0.81	81.0%	\$3,240,000
0003	83,140	S.Y.	\$10.00	\$831,400	18,187	25.8%	\$181,870
			\$9.00		2,000	3.2%	\$18,000
0004	195,805	S.Y.	\$4.00	\$782,420	85,608	33.5%	\$282,432
			\$4.00		78,837		\$307,348
			\$2.25		56,382	28.8%	\$126,815
0005	220,100	C.Y.	\$13.00	\$2,861,300	221,579	100.7%	\$2,860,527
0006AA	1,157,800	C.Y.	\$7.80	\$9,029,280	246,800	21.3%	\$1,923,480
			\$7.80		746,542		\$5,823,028
			\$3.13		195,195	14.2%	\$610,960
0006AB	891,950	C.Y.	\$7.80	\$5,397,210	258,400	37.3%	\$2,015,520
			\$7.60		222,629		\$1,738,506
			\$3.13		232,553	12.8%	\$727,891
0007AA	38,950	Ton	\$50.00	\$1,947,500	37,111	95.3%	\$1,855,550
	38,950	Ton	\$33.35	\$1,298,983	4,123	10.8%	\$137,502
0007AB	3,760	Ton	\$50.00	\$188,000	0	0.0%	\$0
0007AC	3,990	Ton	\$25.00	\$99,750	3,689	92.5%	\$92,225
			\$10.00		410	10.3%	\$4,100
0007B	18,570	Ton	\$50.00	\$928,500	18,933	102.0%	\$946,850
			\$33.35		2,104	11.3%	\$70,166
0007CA	92,750	Ton	\$35.00	\$3,248,250	52,020	56.1%	\$1,820,700
			\$35.00		20,591		\$720,685
			\$23.33		23,082	24.9%	\$538,503
0007CB	8,230	Ton	\$30.00	\$186,900	0	0.0%	\$0
0007CC	5,750	Ton	\$20.00	\$115,000	0	0.0%	\$0
			\$20.00		8,093		\$121,860
			\$10.00		877	11.8%	\$6,770
0007DA	30,520	Ton	\$35.00	\$1,068,200	29,980	98.2%	\$1,049,300
			\$35.00		4,899		\$184,465
			\$23.33		8,542	21.4%	\$152,625
0007DB	3,480	Ton	\$25.00	\$87,000	0	0.0%	\$0
0007DC	29,250	Ton	\$25.00	\$731,250	18,994	64.9%	\$474,850
			\$10.00		5,878	20.1%	\$58,760
0007E	35,025	Ton	\$47.00	\$1,646,175	34,283	97.9%	\$1,811,301
			\$31.35		3,809	10.9%	\$119,412
0007F	33,200	Ton	\$40.00	\$1,328,000	1,149	3.5%	\$45,960
			\$20.00		0	0.0%	\$0
0007FR	31,751	Ton	\$40.66	\$1,290,998	14,383	45.3%	\$584,813
			\$40.66		10,355		\$421,034
			\$20.66		1,151	3.8%	\$23,780
0008A	5	Each	\$150,000	\$750,000	2.9	58.0%	\$435,000
		L.S.	\$57,007.95		0		\$0
0008B	2	Each	\$300,000	\$600,000	1.9	0.1%	\$570,000
		L.S.	\$0.00		0		\$0
0009	1	L.S.	\$248,960	\$248,960	0	100.0%	\$248,960
00010	82	Each	\$2,000	\$124,000	23	37.1%	\$48,000
			\$1,000		39		\$39,000
	82	Each	\$202	\$12,543	0	0.0%	\$0
00011	1	L.S.	\$1,250,000	\$1,250,000	1.00	100.0%	\$1,250,000
00012	272,650	S.Y.	\$0.70	\$190,855	0	0.0%	\$0
00012B	175,000	S.Y.	\$2.71	\$474,250	41,709		\$113,031
00013	1	L.S.	\$8,383	\$8,383	1	100.0%	\$8,383

00014A	Mod P-00005 Pier Dredging	1	L.S.	\$17,427	\$17,427	1	100.0%	\$17,427
00014B	Mod P-00005 Pier Dredging	3,900	C.Y.	\$7.79	\$30,381	3,851	98.7%	\$29,999
00015	Mod P-00008 Valve Purchase	1	Job	\$30,220	\$30,220	1	100.0%	\$30,220
00018	Mod P-00009 Jetting	1	Job	\$142,455	\$142,455	1	100.0%	\$142,455
00017	Mod P-00011 Phase 1 Spillways	1	Job	\$229,565	\$229,565	1.00	100.0%	\$229,565
00018	Mod P-00012 Phase 1 Photos	84	Job	\$221	\$18,601	84	100.0%	\$18,601
00019	Mod P-00018 Cable Realignment	1	Job	\$126,700	\$126,700	1	100.0%	\$126,700
00020	Indian Incentive	1	Job	\$137,591.42	\$137,591.42	1	100.0%	\$137,591
00021	Mod P-00024 Channel Crossing	1	Job	\$45,000.00	\$45,000.00	1	100.0%	\$45,000.00
00022	Mod P-00025 Valve	8	Job	\$18,375.00	\$131,000.00	8	0	\$131,000.00
0023	Mod P-00031 Utility	1	Job	\$18,000.00	\$18,000.00	1		\$18,000
0024	Mod P-00032 Temp Ramp	3,500	C.Y.	\$7.00	\$24,500.00	6,169		\$43,183
0025	Mod P-00032 Habitat Survey	1	Job	\$2,275.00	\$2,275.00	1		\$2,275
Retainage								\$0
<b>Grand Total</b>					<b>\$41,170,453</b>		<b>84.32%</b>	<b>\$34,716,300</b>
<b>Eliminate Mob, Derr., Bond and Retainage</b>					<b>\$36,743,587</b>		<b>86.18%</b>	<b>\$31,297,600</b>



Poplar Island Habitat Restoration Project - Phase II  
 Tidewater Construction Corp Virginia Beach, Virginia

		CONTRACTOR BIO TABULATION				REPORTED AS OF December 31, 2001		
		Qty	Unit	Unit Rate	Cost \$	Qty	%	Cost
0001	Reimbursement for P & P Bond	1	L.S.	\$178,700	\$178,700	1	100.0%	\$178,700
0002	Mob end Demob	1	L.S.	\$4,000,000	\$4,000,000	0.85	85.0%	\$3,540,000
0003	Crushed Stone Roadway Stockpile	63,140	S.Y.	\$10.00 \$9.00	\$631,400	41,740 14,606	86.1% 23.1%	\$417,400 \$131,454
0004	Geotextile Geotextile-90% Stockpile	195,605	S.Y.	\$4.00 \$4.00 \$2.25	\$782,420	141,512 37,566 19,729	72.3% 19.2% 10.1%	\$566,048 \$150,264 \$44,390
0005	Excavation/Backfill of Unsuitable Foundation	220,100	C.Y.	\$13.00	\$2,861,300	221,579	100.7%	\$2,880,527
0006AA	Dike Fill Material - Zone A Dike Fill Material - Zone A-90% Stockpile - Zone A	1,157,800	C.Y.	\$7.80 \$7.80 \$3.13	\$9,029,280	1,165,377 0 22,960	100.7% 0.0% 1.7%	\$9,089,941 \$0 \$71,865
0006AB	Dike Fill Material - Zone B Dike Fill Material - Zone B-90% Stockpile - Zone B	891,950	C.Y.	\$7.80 \$7.80 \$3.13	\$5,397,210	626,896 0 88,886	90.8% 0.0% 4.7%	\$4,886,229 \$0 \$271,953
0007AA	2000# Toe Armor - Quarried/Placed 2000# Toe Armor	38,950 38,950	Ton Ton	\$50.00 \$33.35	\$1,947,500 \$1,298,983	41,234 0	105.9% 0.0%	\$2,061,700 \$0
0007AB	2000# Toe Armor - Quarried/Stockpiled	3,780	Ton	\$50.00	\$188,000	3,782	100.8%	\$189,100
0007AC	2000# Toe Armor - Removed/Placed Stockpiled	3,990	Ton	\$25.00 \$10.00	\$99,750	4,099 0	102.7% 0.0%	\$102,475 \$0
0007B	1500# Toe Armor Stockpiled	18,570	Ton	\$50.00 \$33.35	\$928,500	21,037 0	113.3% 0.0%	\$1,051,850 \$0
0007CA	3000# Armor Stone - Quarried/Placed 3000# Armor Stone - Quarried/Placed-90% Stockpiled	92,750	Ton	\$35.00 \$35.00 \$23.33	\$3,248,250	106,406 0 0	114.7% 0.0% 0.0%	\$3,724,210 \$0 \$0
0007CB	3000# Armor Stone - Quarried/Stockpiled	8,230	Ton	\$30.00	\$186,900	4,348	69.8%	\$130,440
0007CC	3000# Armor Stone - Removed/Placed 3000# Armor Stone - Removed/Placed-90% Stockpiled	5,750	Ton	\$20.00 \$20.00 \$10.00	\$115,000	8,770 0 0	117.7% 0.0% 0.0%	\$135,400 \$0 \$0
0007OA	250# Stone - Quarried/Placed 250# Stone - Quarried/Placed-90% Stockpiled	30,520	Ton	\$35.00 \$35.00 \$23.33	\$1,068,200	43,930 0 0	143.9% 0.0% 0.0%	\$1,537,550 \$0 \$0
0007OB	250# Stone - Quarried/Stockpiled	3,480	Ton	\$25.00	\$87,000	3,523	101.2%	\$88,075
0007DC	250# Stone - Removed/Placed Stockpiled	29,250	Ton	\$25.00 \$10.00	\$731,250	21,127 3,880	72.2% 12.8%	\$528,175 \$36,600
0007E	Querry Run Stone Stockpiled	35,025	Ton	\$47.00 \$31.35	\$1,846,175	38,092 0	108.8% 0.0%	\$1,790,324 \$0
0007F	Bedding Stone Stockpiled	33,200	Ton	\$40.00 \$20.00	\$1,328,000	1,149 0	3.5% 0.0%	\$45,960 \$0
0007FR	Bedding Stone-AASHTO#1 Bedding Stone-AASHTO#1-90% Stockpiled	31,751	Ton	\$40.86 \$40.66 \$20.86	\$1,290,996	32,468 0 0	102.3% 0.0% 0.0%	\$1,320,149 \$0 \$0
0008A	Type A Spillway Stockpiled	5	Each L.S.	\$150,000 \$57,007.95	\$750,000	4.00 1	80.0%	\$600,000 \$140,401
0008B	Type B Spillway Stockpiled	2	Each L.S.	\$300,000 \$0.00	\$600,000	2.00 0	0.1%	\$600,000 \$0
0009	Shell Culch	1	L.S.	\$248,960	\$248,960	1	100.0%	\$248,960
00010	Settlement Monitoring Peds Settlement Monitoring Peds-installed Settlement Monitoring Peds-Stockpile	62 62	Each Each	\$2,000 \$1,000 \$202	\$124,000 \$12,543	62 0 0	100.0% 0.0% 0.0%	\$124,000 \$0 \$0
00011	Utilities	1	L.S.	\$1,250,000	\$1,250,000	1.00	100.0%	\$1,250,000
00012	Seed & Mulch	272,850	S.Y.	\$0.70	\$190,855	0	0.0%	\$0
00012B	Ground Cover	175,000	S.Y.	\$2.71	\$474,250	157,259		\$426,172
00013	Mod P-00003 Benchmarks	1	L.S.	\$8,383	\$8,383	1	100.0%	\$8,383

00014A	Mod P-00005 Pier Dredging	1	L.S.	\$17,427	\$17,427	1	100.0%	\$17,427
00014B	Mod P-00005 Pier Dredging	3,900	C.Y.	\$7.79	\$30,381	3,851	98.7%	\$29,999
00015	Mod P-00008 Valve Purchase	1	Job	\$30,220	\$30,220	1	100.0%	\$30,220
00018	Mod P-00009 Jetting	1	Job	\$142,455	\$142,455	1	100.0%	\$142,455
00017	Mod P-00011 Phase 1 Spillways	1	Job	\$229,585	\$229,585	1.00	100.0%	\$229,585
00018	Mod P-00012 Phase 1 Photos	84	Job	\$221	\$18,801	84	100.0%	\$18,801
00019	Mod P-00018 Cable Realignment	1	Job	\$128,700	\$128,700	1	100.0%	\$128,700
00020	Indian Incentive	1	Job	\$137,591.42	\$137,591.42	1	100.0%	\$137,591
00021	Mod P-00024 Channel Crossing	1	Job	\$45,000.00	\$45,000.00	1	100.0%	\$45,000.00
00022	Mod P-00025 Valve	8	Job	\$18,375.00	\$131,000.00	8	0	\$131,000.00
0023	Mod P-00031 Utility	1	Job	\$18,000.00	\$18,000.00	1	100%	\$18,000
0024	Mod P-00032 Temp Ramp	3,500	C.Y.	\$7.00	\$24,500.00	6,189		\$43,183
0025	Mod P-00032 Habitat Survey	1	Job	\$2,275.00	\$2,275.00	1	100%	\$2,275
0026	Mod P-00036 Telephone System	1	Job	\$ 42,108.74	\$42,108.74	1	100%	\$42,107
0027	Mod P-00039 Eagle Compensation	1	Job	\$747,527.70	\$747,527.70	1	100%	\$747,528
0028	Mod P-00040 Drudge Credit	1	Job	(\$106,243.00)	(\$106,243.00)	1	100%	(\$106,243)
0029	Mod P-00040 Phase 1 Roadway	4140	SY	\$14.00	\$57,960.00	4,140	100%	\$57,960
0030	Mod P-00040 Phase 1 Road Fill	235	CY	\$7.80	\$1,833.00	235	100%	\$1,833
0031	Mod P-00040 Jefferson Island Photos	1	EA	\$469.00	\$469.00	1	100%	\$469
0032	Mod P-00040 Cell 4D Dike	6000	CY	\$7.80	\$46,800.00	1	1	\$8
0033	Mod P-00040 Cell 4D Fill	37180	CY	\$2.25	\$83,655.00	37,180	100%	\$83,655
0034	Mod P-00040 Section 10 Stone	1660	Ton	\$5.00	\$8,300.00	1,600	100%	\$8,300
0035	Mod P-00040 Section 10 Fabric	800	SY	\$4.00	\$3,200.00	800	100%	\$3,200
0036	Mod P-00040 Extended Field Overhead	8	Day	\$11,000.00	\$88,000.00	4	50%	\$44,000

Retainage

\$0

<b>Grand Total</b>				<b>\$41,170,453</b>			<b>97.71%</b>	<b>\$40,225,727</b>
<b>Eliminate Mob, Demob, Bond and Retainage</b>				<b>\$36,743,587</b>			<b>89.36%</b>	<b>\$36,507,027</b>

Poplar Island Habitat Restoration Project - Phase II  
 Tidewater Construction Corp Virginia Beach, Virginia

		CONTRACTOR BID TABULATION				REPORTED AS OF January 31, 2002		
		Qty	Unit	Unit Rate	Cost \$	Qty	%	Cost
0001	Reimbursement fo	1	L.S.	\$178,700	\$178,700	1	100.0%	\$178,700
0002	Mob and Demob	1	L.S.	\$4,000,000	\$4,000,000	0.85	85.0%	\$3,540,000
0003	Crushed Stone Rc Stockpile	63,140	S.Y.	\$10.00 \$9.00	\$631,400	41,740 14,606	66.1% 23.1%	\$417,400 \$131,454
0004	Geotextile Geotextile-90% Stockpile	195,805	S.Y.	\$4.00 \$4.00 \$2.25	\$782,420	141,512 37,566 19,729	72.3% 10.1%	\$568,048 \$150,264 \$44,390
0005	Excavation/Backfil	220,100	C.Y.	\$13.00	\$2,661,300	221,579	100.7%	\$2,880,527
0006AA	Dike Fill Material - Dike Fill Material - Zone A-90% Stockpile - Zone A	1,157,600	C.Y.	\$7.80 \$7.80 \$3.13	\$9,029,280	1,185,377 0 22,960	100.7% 1.7%	\$9,089,941 \$0 \$71,885
0006AB	Dike Fill Material - Dike Fill Material - Zone B-90% Stockpile - Zone B	891,950	C.Y.	\$7.80 \$7.80 \$3.13	\$5,397,210	626,696 0 66,886	90.6% 4.7%	\$4,888,229 \$0 \$271,953
0007AA	2000# Toe Armor	38,950	Ton	\$50.00	\$1,947,500	41,234	105.9%	\$2,061,700
	2000# Toe Armor	38,950	Ton	\$33.35	\$1,298,983	0	0.0%	\$0
0007AB	2000# Toe Armor	3,760	Ton	\$50.00	\$166,000	3,782	100.6%	\$189,100
0007AC	2000# Toe Armor Stockpiled	3,990	Ton	\$25.00 \$10.00	\$99,750	4,099 0	102.7% 0.0%	\$102,475 \$0
0007B	1500# Toe Armor Stockpiled	18,570	Ton	\$50.00 \$33.35	\$928,500	21,037 0	113.3% 0.0%	\$1,051,650 \$0
0007CA	3000# Armor Ston 3000# Armor Stone - Quarried/Placed-90% Stockpiled	92,750	Ton	\$35.00 \$35.00 \$23.33	\$3,246,250	106,406 0 0	114.7% 0.0%	\$3,724,210 \$0 \$0
0007CB	3000# Armor Ston	6,230	Ton	\$30.00	\$186,900	4,348	69.8%	\$130,440
0007CC	3000# Armor Ston 3000# Armor Stone - Removed/Placed-90% Stockpiled	5,750	Ton	\$20.00 \$20.00 \$10.00	\$115,000	6,770 0 0	117.7% 0.0%	\$135,400 \$0 \$0
0007DA	250# Stone - Quar 250# Stone - Quarried/Placed-90% Stockpiled	30,520	Ton	\$35.00 \$35.00 \$23.33	\$1,068,200	43,930 0 0	143.9% 0.0%	\$1,537,550 \$0 \$0
0007DB	250# Stone - Quar	3,480	Ton	\$25.00	\$87,000	3,523	101.2%	\$88,075
0007DC	250# Stone - Rem Stockpiled	29,250	Ton	\$25.00 \$10.00	\$731,250	21,127 3,680	72.2% 12.6%	\$528,175 \$36,800
0007E	Quarry Run Stone Stockpiled	35,025	Ton	\$47.00 \$31.35	\$1,646,175	38,092 0	108.8% 0.0%	\$1,790,324 \$0
0007F	Bedding Stone Stockpiled	33,200	Ton	\$40.00 \$20.00	\$1,328,000	1,149 0	3.5% 0.0%	\$45,960 \$0
0007FR	Bedding Stone-AA Bedding Stone-AASHTO#1-90% Stockpiled	31,751	Ton	\$40.66 \$40.66 \$20.66	\$1,290,996	32,468 0 0	102.3% 0.0%	\$1,320,149 \$0 \$0
0008A	Type A Spillway Stockpiled	5	Each L.S.	\$150,000 \$57,007.95	\$750,000	4.00 1	80.0%	\$600,000 \$140,401
0008B	Type B Spillway Stockpiled	2	Each L.S.	\$300,000 \$0.00	\$600,000	2.00 0	0.1%	\$600,000 \$0
0009	Shell Cutch	1	L.S.	\$248,960	\$248,960	1	100.0%	\$248,960
00010	Settlement Monito Settlement Monitoring Pads-installed Settlement Monito	62 82	Each Each	\$2,000 \$1,000 \$202	\$124,000 \$12,543	62 0 0	100.0% 0.0%	\$124,000 \$0 \$0
00011	Utilities	1	L.S.	\$1,250,000	\$1,250,000	1.00	100.0%	\$1,250,000
00012	Seed & Mulch	272,650	S.Y.	\$0.70	\$190,855	0	0.0%	\$0
00012B	Ground Cover	175,000	S.Y.	\$2.71	\$474,250	157,259		\$426,172
00013	Mod P-00003 Ben	1	L.S.	\$8,383	\$8,383	1	100.0%	\$8,383
00014A	Mod P-00005 Pier	1	L.S.	\$17,427	\$17,427	1	100.0%	\$17,427
00014B	Mod P-00005 Pier	3,900	C.Y.	\$7.79	\$30,381	3,851	98.7%	\$29,999

00015	Mod P-00008 Valv	1	Job	\$30,220	\$30,220	1	100.0%	\$30,220
00018	Mod P-00009 Jetti	1	Job	\$142,455	\$142,455	1	100.0%	\$142,455
00017	Mod P-00011 Pha	1	Job	\$229,565	\$229,565	1.00	100.0%	\$229,565
00018	Mod P-00012 Pha	84	Job	\$221	\$18,601	84	100.0%	\$18,601
00019	Mod P-00016 Cab	1	Job	\$128,700	\$128,700	1	100.0%	\$128,700
00020	Indian Incentive	1	Job	\$137,591.42	\$137,591.42	1	100.0%	\$137,591
00021	Mod P-00024 Cha	1	Job	\$45,000.00	\$45,000.00	1	100.0%	\$45,000.00
00022	Mod P-00025 Valv	8	Job	\$18,375.00	\$131,000.00	8	0	\$131,000.00
0023	Mod P-00031 Utili	1	Job	\$18,000.00	\$18,000.00	1	100%	\$18,000
0024	Mod P-00032 Terr	3,500	C.Y.	\$7.00	\$24,500.00	8,189		\$43,183
0025	Mod P-00032 Hab	1	Job	\$2,275.00	\$2,275.00	1	100%	\$2,275
0026	Mod P-00036 Tele	1	Job	\$ 42,106.74	\$42,106.74	1	100%	\$42,107
0027	Mod P-00039 Eag	1	Job	\$747,527.70	\$747,527.70	1	100%	\$747,528
0028	Mod P-00040 Drex	1	Job	(\$108,243.00)	(\$106,243.00)	1	100%	(\$106,243)
0029	Mod P-00040 Pha	4140	SY	\$14.00	\$57,960.00	4,140	100%	\$57,960
0030	Mod P-00040 Pha	235	CY	\$7.80	\$1,833.00	235	100%	\$1,833
0031	Mod P-00040 Jeff	1	EA	\$489.00	\$489.00	1	100%	\$489
0032	Mod P-00040 Cell	6000	CY	\$7.80	\$46,800.00	1	1	\$8
0033	Mod P-00040 Cell	37180	CY	\$2.25	\$83,655.00	37,180	100%	\$83,655
0034	Mod P-00040 Sec	1860	Ton	\$5.00	\$8,300.00	1,800	100%	\$8,300
0035	Mod P-00040 Sec	800	SY	\$4.00	\$3,200.00	800	100%	\$3,200
0036	Mod P-00040 Exte	8	Day	\$11,000.00	\$88,000.00	4	50%	\$44,000

Retainage

\$0

<b>Grand Total</b>				<b>\$41,170,453</b>			<b>97.71%</b>	<b>\$40,225,727</b>
te Mob, Demob, Bond and Retainage				<b>\$36,743,587</b>			<b>89.36%</b>	<b>\$36,507,027</b>

Poplar Island Habitat Restoration Project - Phase II  
 Tidewater Construction Corp Virginia Beach, Virginia

		CONTRACTOR BID TABULATION				REPORTED AS OF April 1, 2002		
		Qty	Unit	Unit Rate	Cost \$	Qty	%	Cost
0001	Reimbursement for	1	L.S.	\$178,700	\$178,700	1	100.0%	\$178,700
0002	Mob and Demob	1	L.S.	\$4,000,000	\$4,000,000	1.00	100.0%	\$4,000,000
0003	Crushed Stone Roa Stockpile	63,140	S.Y.	\$10.00 \$9.00	\$631,400	59,364 0	94.0% 0.0%	\$593,840 \$0
0004	Geotextile Geotextile-90% Stockpile	195,605	S.Y.	\$4.00 \$4.00 \$2.25	\$782,420	194,067 0 0	99.2% 0.0%	\$778,268 \$0 \$0
0005	Excavation/Backfill	220,100	C.Y.	\$13.00	\$2,861,300	221,579	100.7%	\$2,880,527
0006AA	Dike Fill Material - Z Dike Fill Material - Zone A-90% Stockpile - Zone A	1,157,600	C.Y.	\$7.80 \$7.60 \$3.13	\$9,029,280	1,142,132 0 0	98.7% 0.0%	\$8,908,830 \$0 \$0
0006AB	Dike Fill Material - Z Dike Fill Material - Zone B-90% Stockpile - Zone B	891,950	C.Y.	\$7.80 \$7.60 \$3.13	\$5,397,210	665,045 0 0	98.1% 0.0%	\$5,187,351 \$0 \$0
0007AA	2000# Toe Armor - 2000# Toe Armor -	38,950 38,950	Ton Ton	\$50.00 \$33.35	\$1,947,500 \$1,298,983	41,234 0	105.9% 0.0%	\$2,061,700 \$0
0007AB	2000# Toe Armor -	3,780	Ton	\$50.00	\$188,000	3,782	100.8%	\$189,100
0007AC	2000# Toe Armor - Stockpiled	3,990	Ton	\$25.00 \$10.00	\$99,750	4,099 0	102.7% 0.0%	\$102,475 \$0
0007B	1500# Toe Armor Stockpiled	18,570	Ton	\$50.00 \$33.35	\$928,500	21,037 0	113.3% 0.0%	\$1,051,850 \$0
0007CA	3000# Armor Stone 3000# Armor Stone - Quarried/Placed-90% Stockpiled	92,750	Ton	\$35.00 \$35.00 \$23.33	\$3,248,250	106,406 0 0	114.7% 0.0%	\$3,724,210 \$0 \$0
0007CB	3000# Armor Stone	8,230	Ton	\$30.00	\$186,900	8,285	100.9%	\$188,550
0007CC	3000# Armor Stone 3000# Armor Stone - Removed/Placed-90% Stockpiled	5,750	Ton	\$20.00 \$20.00 \$10.00	\$115,000	6,770 0 0	117.7% 0.0%	\$135,400 \$0 \$0
0007DA	250# Stone - Quarri 250# Stone - Quarried/Placed-90% Stockpiled	30,520	Ton	\$35.00 \$35.00 \$23.33	\$1,068,200	43,930 0 0	143.9% 0.0%	\$1,537,550 \$0 \$0
0007DB	250# Stone - Quarri	3,480	Ton	\$25.00	\$87,000	3,523	101.2%	\$88,075
0007DC	250# Stone - Remo Stockpiled	29,250	Ton	\$25.00 \$10.00	\$731,250	21,192 0	72.5% 0.0%	\$529,800 \$0
0007E	Quarry Run Stone Stockpiled	35,025	Ton	\$47.00 \$31.35	\$1,646,175	38,092 0	108.8% 0.0%	\$1,790,324 \$0
0007F	Bedding Stone Stockpiled	33,200	Ton	\$40.00 \$20.00	\$1,328,000	1,149 0	3.5% 0.0%	\$45,960 \$0
0007FR	Bedding Stone-AAS Bedding Stone-AASHTO#1-90% Stockpiled	31,751	Ton	\$40.88 \$40.88 \$20.88	\$1,290,996	32,468 0 0	102.3% 0.0%	\$1,320,149 \$0 \$0
0008A	Type A Spillway Stockpiled	5	Each L.S.	\$150,000 \$57,007.95	\$750,000	4.00 1	80.0%	\$800,000 \$140,401
0008B	Type B Spillway Stockpiled	2	Each L.S.	\$300,000 \$0.00	\$600,000	2.00 0	0.1%	\$600,000 \$0
0009	Shell Culch	1	L.S.	\$248,960	\$248,960	1	100.0%	\$248,960
00010	Settlement Monitori Settlement Monitoring Peds-installed Settlement Monitori	82	Each	\$2,000 \$1,000 \$202	\$124,000	82 0 0	100.0%	\$124,000 \$0 \$0
00011	Utilities	1	L.S.	\$1,250,000	\$1,250,000	1.00	100.0%	\$1,250,000
00012	Seed & Mulch	272,850	S.Y.	\$0.70	\$190,855	0	0.0%	\$0
00012B	Ground Cover	175,000	S.Y.	\$2.71	\$474,250	245,217		\$684,538
00013	Mod P-00003 Bend	1	L.S.	\$8,383	\$8,383	1	100.0%	\$8,383
00014A	Mod P-00005 Pier C	1	L.S.	\$17,427	\$17,427	1	100.0%	\$17,427
00014B	Mod P-00005 Pier C	3,900	C.Y.	\$7.79	\$30,381	3,851	98.7%	\$29,999
00015	Mod P-00008 Velve	1	Job	\$30,220	\$30,220	1	100.0%	\$30,220
00018	Mod P-00009 Jettin	1	Job	\$142,455	\$142,455	1	100.0%	\$142,455
00017	Mod P-00011 Phasi	1	Job	\$229,565	\$229,565	1.00	100.0%	\$229,565
00018	Mod P-00012 Phasi	84	Job	\$221	\$18,601	84	100.0%	\$18,601

00019	Mod P-00016 Cable	1	Job	\$126,700	\$126,700	1	100.0%	\$126,700
00020	Indian Incentive	1	Job	\$137,591.42	\$137,591.42	1	100.0%	\$137,591
00021	Mod P-00024 Chan	1	Job	\$45,000.00	\$45,000.00	1	100.0%	\$45,000
00022	Mod P-00025 Valve	6	Job	\$16,375.00	\$131,000.00	6	0	\$131,000
0023	Mod P-00031 Utility	1	Job	\$18,000.00	\$18,000.00	1	100%	\$18,000
0024	Mod P-00032 Temp	3,500	C.Y.	\$7.00	\$24,500.00	6,189		\$43,183
0025	Mod P-00036 Habit	1	Job	\$2,275.00	\$2,275.00	1	100%	\$2,275
0026	Mod P-00036 Telep	1	Job	\$ 42,106.74	\$42,106.74	1	100%	\$42,107
0027	Mod P-00039 Eagle	1	Job	\$747,527.70	\$747,527.70	1	100%	\$747,528
0028	Mod P-00040 Dredg	1	Job	(\$106,243.00)	(\$106,243.00)	1	100%	(\$106,243)
0029	Mod P-00040 Phas	4140	SY	\$14.00	\$57,960.00	4,217	100%	\$59,038
0030	Mod P-00040 Phas	235	CY	\$7.80	\$1,833.00	235	100%	\$1,833
0031	Mod P-00040 Jeffer	1	EA	\$469.00	\$469.00	1	100%	\$469
0032	Mod P-00040 Cell 4	6000	CY	\$7.80	\$46,800.00	6,000	1	\$46,800
0033	Mod P-00040 Cell 4	37180	CY	\$2.25	\$83,655.00	37,180	100%	\$83,655
0034	Mod P-00040 Sectk	1660	Ton	\$5.00	\$8,300.00	1,937	100%	\$9,685
0035	Mod P-00040 Sectk	800	SY	\$4.00	\$3,200.00	1,481	100%	\$5,924
0036	Mod P-00040 Exten	6	Day	\$11,000.00	\$68,000.00	8	50%	\$88,000
	Retainage							\$0
	Grand Total			\$41,170,453			99.29%	\$40,877,352
	Rate Mob, Demob, Bond and Retainage			\$36,743,587			89.88%	\$36,606,652

Poplar Island Habitat Restoration Project - Phase II  
 Tidewater Construction Corp Virginia Beach, Virginia

	Qty	CONTRACTOR BID TABULATION			REPORTED AS OF May 28, 2002			
		Unit	Unit Rate	Cost \$	Qty	%	Cost	
0001	R reimbursement for P & P Bond	1	L.S.	\$178,700	\$178,700	1	100.0%	\$178,700
0002	Mob and Demob	1	L.S.	\$4,000,000	\$4,000,000	1.00	100.0%	\$4,000,000
0003	Crushed Stone Roadway Stockpile	63,140	S.Y.	\$10.00 \$9.00	\$631,400	59,364 0	94.0% 0.0%	\$593,840 \$0
0004	Geotextile Geotextile-90% Stockpile	195,605	S.Y.	\$4.00 \$4.00 \$2.25	\$782,420	194,087 0 0	99.2% 0.0% 0.0%	\$778,268 \$0 \$0
0005	Excavation/Backfill of Unsuitable Foundation	220,100	C.Y.	\$13.00	\$2,861,300	221,579	100.7%	\$2,880,527
0006AA	Dike Fill Material - Zone A Dike Fill Material - Zone A-90% Stockpile - Zone A	1,157,800	C.Y.	\$7.80 \$7.80 \$3.13	\$9,029,280	1,142,132 0 0	98.7% 0.0% 0.0%	\$8,908,830 \$0 \$0
0006AB	Dike Fill Material - Zone B Dike Fill Material - Zone B-90% Stockpile - Zone B	891,950	C.Y.	\$7.80 \$7.80 \$3.13	\$5,397,210	865,045 0 0	96.1% 0.0% 0.0%	\$5,187,351 \$0 \$0
0007AA	2000# Toe Armor - Quarried/Placed 2000# Toe Armor - Quarried	38,950 38,950	Ton Ton	\$50.00 \$33.35	\$1,947,500 \$1,298,983	41,234 0	105.9% 0.0%	\$2,081,700 \$0
0007AB	2000# Toe Armor - Quarried/Stockpiled	3,780	Ton	\$50.00	\$188,000	3,782	100.8%	\$189,100
0007AC	2000# Toe Armor - Removed/Placed Stockpiled	3,990	Ton	\$25.00 \$10.00	\$99,750	4,099 0	102.7% 0.0%	\$102,475 \$0
0007B	1500# Toe Armor Stockpiled	18,570	Ton	\$50.00 \$33.35	\$928,500	21,037 0	113.3% 0.0%	\$1,051,850 \$0
0007CA	3000# Armor Stone - Quarried/Placed 3000# Armor Stone - Quarried/Placed-90% Stockpiled	92,750	Ton	\$35.00 \$35.00 \$23.33	\$3,248,250	106,408 0 0	114.7% 0.0% 0.0%	\$3,724,210 \$0 \$0
0007CB	3000# Armor Stone - Quarried/Stockpiled	8,230	Ton	\$30.00	\$186,900	8,285	100.9%	\$186,550
0007CC	3000# Armor Stone - Removed/Placed 3000# Armor Stone - Removed/Placed-90% Stockpiled	5,750	Ton	\$20.00 \$20.00 \$10.00	\$115,000	8,770 0 0	117.7% 0.0% 0.0%	\$135,400 \$0 \$0
0007DA	250# Stone - Quarried/Placed 250# Stone - Quarried/Placed-90% Stockpiled	30,520	Ton	\$35.00 \$35.00 \$23.33	\$1,068,200	43,930 0 0	143.9% 0.0% 0.0%	\$1,537,550 \$0 \$0
0007DB	250# Stone - Quarried/Stockpiled	3,480	Ton	\$25.00	\$87,000	3,523	101.2%	\$88,075
0007DC	250# Stone - Removed/Placed Stockpiled	29,250	Ton	\$25.00 \$10.00	\$731,250	21,192 0	72.5% 0.0%	\$529,800 \$0
0007E	Quarry Run Stone Stockpiled	35,025	Ton	\$47.00 \$31.35	\$1,846,175	38,092 0	108.8% 0.0%	\$1,790,324 \$0
0007F	Bedding Stone Stockpiled	33,200	Ton	\$40.00 \$20.00	\$1,328,000	1,149 0	3.5% 0.0%	\$45,960 \$0
0007FR	Bedding Stone-AASHTO#1 Bedding Stone-AASHTO#1-90% Stockpiled	31,751	Ton	\$40.66 \$40.66 \$20.66	\$1,290,996	32,468 0 0	102.3% 0.0% 0.0%	\$1,320,149 \$0 \$0
0008A	Type A Spillway Stockpiled	5	Each L.S.	\$150,000 \$57,007.95	\$750,000	4.00 1	80.0%	\$600,000 \$140,401
0008B	Type B Spillway Stockpiled	2	Each L.S.	\$300,000 \$0.00	\$600,000	2.00 0	0.1%	\$600,000 \$0
0009	Shell Cutch	1	L.S.	\$248,960	\$248,960	1	100.0%	\$248,960
00010	Settlement Monitoring Pads Settlement Monitoring Pads-installed Settlement Monitoring Pads-Stockpile	82 82	Each Each	\$2,000 \$1,000 \$202	\$124,000 \$12,543	82 0 0	100.0% 0.0% 0.0%	\$124,000 \$0 \$0
00011	Utilities	1	L.S.	\$1,250,000	\$1,250,000	1.00	100.0%	\$1,250,000
00012	Seed & Mulch	272,850	S.Y.	\$0.70	\$190,855	0	0.0%	\$0
00012B	Ground Cover	175,000	S.Y.	\$2.71	\$474,250	245,217		\$664,538
00013	Mod P-00003 Benchmarks	1	L.S.	\$8,383	\$8,383	1	100.0%	\$8,383

00014A	Mod P-00005 Pier Dredging	1	L.S.	\$17,427	\$17,427	1	100.0%	\$17,427
00014B	Mod P-00005 Pier Dredging	3,900	C.Y.	\$7.79	\$30,381	3,851	98.7%	\$29,999
00015	Mod P-00008 Valve Purchase	1	Job	\$30,220	\$30,220	1	100.0%	\$30,220
00018	Mod P-00009 Jetting	1	Job	\$142,455	\$142,455	1	100.0%	\$142,455
00017	Mod P-00011 Phase 1 Spillways	1	Job	\$229,565	\$229,565	1.00	100.0%	\$229,565
00018	Mod P-00012 Phase 1 Photos	84	Job	\$221	\$18,601	84	100.0%	\$18,601
00019	Mod P-00016 Cable Realignment	1	Job	\$126,700	\$126,700	1	100.0%	\$126,700
00020	Indian Incentive	1	Job	\$137,591.42	\$137,591.42	1	100.0%	\$301,121
00021	Mod P-00024 Channel Crossing	1	Job	\$45,000.00	\$45,000.00	1	100.0%	\$45,000
00022	Mod P-00025 Valve	8	Job	\$18,375.00	\$131,000.00	8	0	\$131,000
0023	Mod P-00031 Utility	1	Job	\$18,000.00	\$18,000.00	1	100%	\$18,000
0024	Mod P-00032 Temp Ramp	3,500	C.Y.	\$7.00	\$24,500.00	6,169		\$43,183
0025	Mod P-00032 Habitat Survey	1	Job	\$2,275.00	\$2,275.00	1	100%	\$2,275
0026	Mod P-00036 Telephone System	1	Job	\$ 42,106.74	\$42,106.74	1	100%	\$42,107
0027	Mod P-00039 Eagle Compensation	1	Job	\$747,527.70	\$747,527.70	1	100%	\$747,528
0028	Mod P-00040 Dredge Credit	1	Job	(\$106,243.00)	(\$106,243.00)	1	100%	(\$106,243)
0029	Mod P-00040 Phase 1 Roadway	4140	SY	\$14.00	\$57,960.00	4,217	100%	\$59,038
0030	Mod P-00040 Phase 1 Road Fill	235	CY	\$7.80	\$1,833.00	235	100%	\$1,833
0031	Mod P-00040 Jefferson Island Photos	1	EA	\$469.00	\$469.00	1	100%	\$469
0032	Mod P-00040 Cell 4D Dike	6000	CY	\$7.60	\$46,800.00	8,000	1	\$46,800
0033	Mod P-00040 Cell 4D Fill	37180	CY	\$2.25	\$83,655.00	37,180	100%	\$83,655
0034	Mod P-00040 Section 10 Stone	1660	Ton	\$5.00	\$8,300.00	1,937	100%	\$9,685
0035	Mod P-00040 Section 10 Fabric	800	SY	\$4.00	\$3,200.00	1,481	100%	\$5,924
0036	Mod P-00040 Extended Field Overhead	8	Day	\$11,000.00	\$88,000.00	8	50%	\$88,000

Retainage

\$0

<b>Grand Total</b>				<b>\$41,170,453</b>			<b>99.69%</b>	<b>\$41,040,882</b>
<b>Eliminate Mob, Demob, Bond and Retainage</b>				<b>\$36,743,587</b>			<b>100.32%</b>	<b>\$36,862,182</b>



**4.11 Contractor's Initial Schedule (6-6-00)**







**4.12 Contractor's Updated Schedule (11-30-00)**





