

Silica,	13.75
Iron as per oxide,	12.00
*Alumina,	1.00
Iron and alumina as phosphates,	.50
Lime as carbonate,	17.00
Lime as sulphate, (gypsum,)	4.00
Potash,	1.25

This is a very valuable marl, containing, as it does, almost all of the necessary constituents of soils in fair proportions.

Very many different specimens of the marl, and what was supposed to be fertilizing matter, were examined in all the counties during my stay in them, the analyses in every instance were furnished to the different individuals when the specimens were of any value, but when worthless, the result only was announced. It is unnecessary to give them in detail here. Many marls whose efficacy had been determined by long use, were not submitted for examination.

Many rich deposits of green sand marl occur in Cecil county, but as most of the specimens were brought to me only a few days before my duties there closed, I have not had an opportunity of thoroughly analyzing them. This shall be done in the course of a few months, and the results given to the owners in a proper manner.

#### ANALYSES OF SHELL MARLS FROM QUEEN ANNE'S COUNTY.

Specimens from W. A. Spencer. The bed situated at the edge of a running stream, and of very large size, covering an area of more than 50 acres, to the depth of 6 to 8 feet.

Specimen No. 1, was composed as follows, of—

Sand,	66.00
Iron as per oxide,	1.00
Alumina,	.25
Lime, as carbonate,	32.75

The above are the proportions in 100 parts, after being thoroughly dried.

Specimen No. 2, was composed as follows:—

Sand,	85.00
Iron,	1.50
Alumina,	1.10
Lime as carbonate,	12.40

Specimen No. 3, was composed as follows:—

Sand,	90.00
Iron,	1.70
Alumina,	.50
Lime as carbonate,	7.80

This specimen was from a distinct stratum, immediately above the last.