

Iron as protoxide,	4.50
Magnesia,	1.50
Potash,	2.50

Secimens from Mr. Briscoe, head of Sassafra<sup>s</sup> river, the same locality as above, were composed of—

Silica, (sand,)	58.50
Iron as protoxide,	21.50
Alumina,	6.50
Lime,	5.00
Magnesia,	1.50
Potash,	6.70

The bed of green sand, on the head of Sassafra<sup>s</sup>, is about twenty feet in depth to the level of the tide-water, and extends more than three-fourths of a mile down the river. This sand is found more or less intermixed with the sand, on the streams, and with the under strata of some of the soils in different parts of the county. Analyses were made from many localities, but there was none of any practical value, except that below Chestertown, and a specimen furnished by Mr. George Spencer.

The former contained of potash, 4 per cent, the latter of potash, 3 per cent.

A specimen intermixed with many green particles of sand from near St. Paul's church yard, in the Lower District, gave of—

Silica,	90.00
Iron as protoxide, with per oxide,	4.25
Alumina,	2.00
Lime,	1.50
Potash,	1.25

Specimen of shell marl from Mrs. Julia Merritt, lower district of Kent.

Physical characters, hard compact texture, dusky red color, and intermixed with many small quartz pebbles. Specimens thoroughly dried, gave of—

Sand,	45.00
Iron as per oxide,	5.55
Lime as carbonate,	49.22
Magnesia, (a trace,)	
Phosphates, (a trace,)	

Shell marls from the banks of Chester river, on the farm of Mr. Wm. Decourse, was composed as follows:—

Sand,	45.00
Iron as per oxide,	10.74
Alumina,	1.12
Lime as carbonate,	43.00

This marl was of very easy access, but had never been used, though the land on the farm, and all through the neighborhood, very much needed it.

Dark black marl, with small fragments of shells in it, from Mr. Malsberg, near Georgetown Cross Roads, contain of—