| Depth<br>(feet)                        | Susceptibility (m/s) (c  | Light     mma   Elements     gs)   (H, He, Li, Be, B, C, N, O, F, Ne & Na)     00000   (%)     00000   (%)     00000   (%)     00000   (%) | Ca (%) Si (%) Remaining<br>○ २ २० २ २ ० २ २<br>└──└──└──└──└──└──└──   |  | Cu<br>Pb<br>Description  | Color                            | Core:<br>LR 27 DH 255<br>Features  |
|--|--|--|--|--|--|----------------------------------|--|
| 16<br>18<br>20<br>22<br>24             |  | har had my prover har and har when   | alimited with the second of th |  | Grayish black to medium dark gray sil<br>calcareous shale. Regular thinly lamir<br>inly bedded intervals with Calcite filler<br>regular fractures. Regular very thinly l<br>fossiliferrous interbeds<br>ight gray to medium dark gray silty cal<br>shale. Darker Shale beds are thinly la  | Icareous<br>am. To N3-N6         | Irregular calcite<br>filled vertical<br>fractures; black<br>nodules in<br>fossiliferrous<br>regions<br>Calcite veins that<br>terminate in dark |
| 26<br>28<br>30<br>32<br>34             |  | way was a provident  | WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW   | <pre></pre>  | very thin-bedded and even. Lighter beds are<br>thinly laminated and slightly uneven (wavy) with<br>fossiliferrous zones. Calcite veins crosscut<br>beds and also present as nodules<br>Medium dark gray to light gray silty calcareous<br>shale. Beds range from laminated to thin<br>bedded and regular in the absence of fractures;<br>vertical organic rich fractures throughout with<br>interbedded fossiliferrous zones. Iron rich zone<br>at 28.5 ft |                                  | Vertical fractures<br>throughout with<br>organic rich fill<br>material. Lighter<br>nodules in<br>organic-rich<br>intervals                     |
| 36<br>38<br>40<br>42<br>42<br>44<br>44 | Marth Warren M Warren Mar  | Marana and and and have  | My mart 1 1 martin mar   |  | Grayish black to medium gray calcaro<br>shale. Alternating dark and light beds;<br>even beds which are laminated a<br>terbedded with fossiliferrous intervals.<br>veins present and terminate at darke<br>intervals.   | regular<br>nd<br>. Calcite N2-N4 | Vertical calcite<br>filled fractures.<br>Soft sediment<br>deformation with<br>uneven bedding<br>in minor intervals                             |
| Potom<br>Site No<br>Hardy              | ost River Sub-Watershed<br>ac River Watershed Project<br>o 27 Core <b>DH 255</b><br>County, West Virginia<br>on: 1986.1 feet | Earliest log information f   | ound is February 1977.<br>at WVGES.<br>Department of Energy<br>ogy Laboratory<br>Department of Energy  | alysis By: Dustin Crandall, Johnathan Moore,Poonam Giri, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek   becca Rodriquez, Maggie Gill, John Tkach, Mag. Sus., P-Wave, Gamma - Geo-Tek |  | r<br>Iheld XRF analyzer          |  |