

Shoreline and Boat Beach Erosion, Multi-Use Trail Repairs Challenge Partnership, 2010

-----Blue Marsh Lake-----

The U. S. Army Corps of Engineers at Blue Marsh Lake, Philadelphia District, entered into a unique partnership with Llandco, Inc. that resulted in the repair of the severe shoreline erosion along a 300-foot area of the southwest shoreline of the lake, and repairs to the boat beach in the Day Use Area. The U.S. Army Reserve 333rd Engineering Company provided equipment and troops as part of their training partnership to help with repairs a section of a nearby hiking trail.



The shoreline erosion repair project was accomplished through grading of the eroded embankment, placement of filter fabric and then No. 3 boulder materials at the base of the bank, followed by installation of rip rap material above the waterline to protect against wave action. In addition, the project will provide excellent fish habitat/cover where the base of the repair extends into the lake.

Repairs to the boat beach consisted of removal of a 300-foot x 80-foot swath of gravel base that was installed during construction of the recreation area in 1977-78, followed by grading of the shoreline along the boat beach to

eliminate the eroded embankment which makes it difficult for boaters to "beach" their vessels. The grading operation along the eroded shoreline involved the placement of erosion mattresses and seeding to reestablish a suitable shoreline.



The repairs to the nearby multi-use trail involved grading and installation of waterbars to eliminate erosion problems on the trail.



This partnership received funding from the Corps Handshake program in 2010. For more information on the project contact the park office at 610 376-6337