Beach Nourishment on Wisconsin Point

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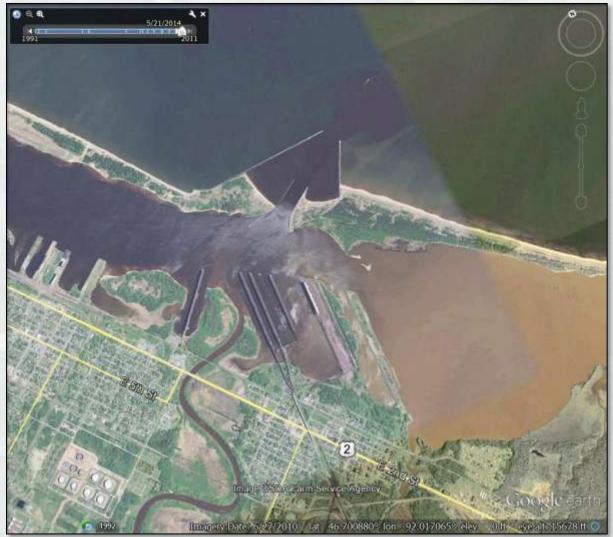




US Army Corps of Engineers
BUILDING STRONG®



Superior Entry







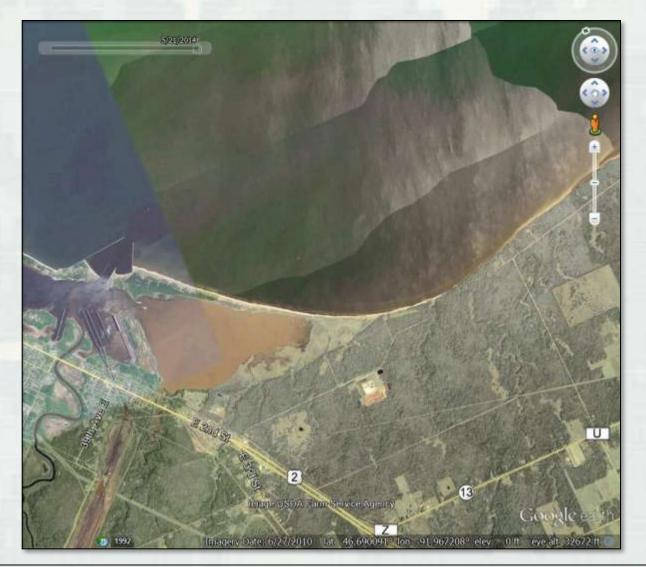
Piping Plover Habitat

- Important for AoC delisting.
- Have been observed each year but do not nest.
- Issues with dog walking along the beach.
- Beach needs to be wider. Birds need a certain distance between waterline and treeline.





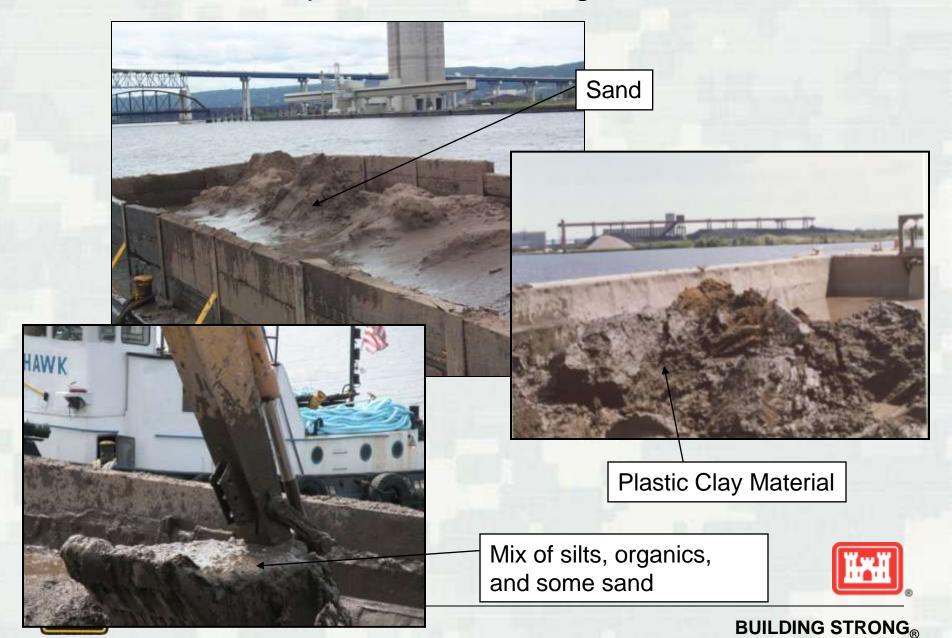
Wisconsin Point







Duluth-Superior Harbor Dredged Material



Mechanical Dredging with a Clamshell Bucket

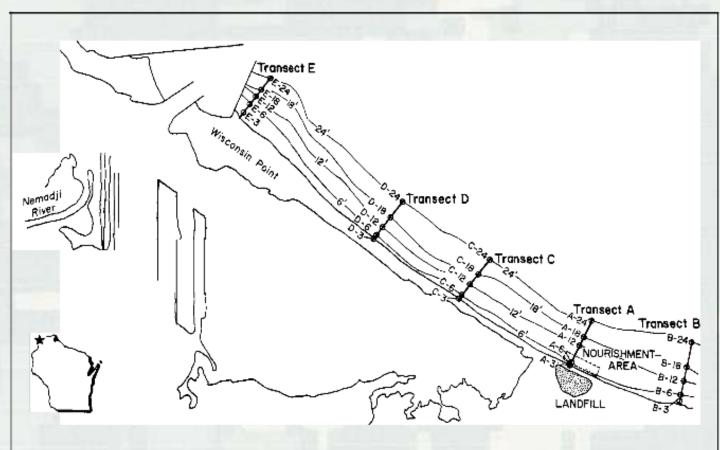








Wisconsin Demonstration Project 1980's



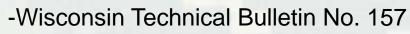




"SUMMARY AND CONCLUSIONS-----

Deposition of dredged material in the near shore area resulted in a significant gain of material in the beach and near shore area, which lasted at least until studies were discontinued (7 months). During the post-nourishment period, wave height appeared to be reduced by nourishment fill and waves broke farther offshore than along control areas of the beach. This buildup affected near shore processes and apparently caused additional deposition of material in adjacent beach areas. Hundreds of thousands of cubic yards of new beach material built up to the east of the project site after the project was completed, far exceeding the amount of material used in the treatment. This was caused for the most part by the offshore breakwater effect created by the deposited dredge spoil."





2014 WDNR Particle Size Sampling

