Quick Reference: Soil Borings Clearly Show Nearly All of Parcel 92 is Artificially Filled, except for a small portion near Maple Street. (Accretion is not a credible or valid explanation).

The attached map and cross-section diagrams are an integration of two data sets: the Ayres Phase II Soil Borings information and the 1942 U.S. Army Corp of Engineers Lake Survey soundings and contours. The Ayres report shows the locations of soil boring points, and assessments of each soil profile. Three of these boring points have proximity to three ACE sounding points: i) the ACE sounding point labeled "5" is near boring WGP-8; ii) the ACE sounding point labeled "2" is near WMW-4; and iii) the ACE sounding labeled "12" is near WGP-5.

The Ayres data is itself clear and compelling, describing profiles of several feet of Fill -- including elements of wood, cinders, and concrete -- above Lacustrine or Lake Deposits, the Lakebed.

The 1942 ACE map's data defines the local elevation of the Lakebed, by virtue of the multiple soundings and contours referenced to Low Water Datum elevation. Adding the 1942 ACE Lakebed elevation to the Ayres cross-sections correlates the historical Lakebed profile. The Lakebed began near today's Maple Street, sloping downward by 10 to 13 feet over the 400-foot length of the Dock of Parcel 92. The 1942 ACE map also confirms deeper water immediately adjacent to the dock of that time which current soil borings show has been filled artificially.

Another Aryres soil boring worth noting is WMW-6 (lower left of the map) which shows no Fill below the OHWM. This is an indication of the location of historical shoreline that is also consistent with the historical shoreline from plat maps of the 1870s and 1880s. This is another correlation of the Ayres boring data with the historical maps provided.





