

Supplemental Text 1

Deep Test Trench 5 Description

Deep Test Trench (DT-5)

Date: 06/04/18

Landform: Relic shoreline/shallow lacustrine/marsh

Elevation: ~576' (175.5 m) amsl

Lat/Long: (WGS 84) southwest corner of trench: N 42° 21.522, W 082° 56.006 (±16')

Exposure: Trench 5 × 1 × 2.5 m deep

Description: Exposure revealed fining upward littoral (lake edge) pebbles to loamy sand culminating in a wetland environment, capped with twentieth-century fill deposits including dredge spoil.

Archaeology: Brick fragments, coal/cinder/charcoal, glass, noted in capping historic fills. No artifacts noted in basal shoreline/marsh deposits; however, an uncarbonized squash seed (*C. pepo* ssp. *pepo*) recovered from a reworked and interbedded aggregate of macro-organics recovered from ~1.80 mbs provided a radiocarbon date of 1010 ± 30 BP (Beta-528202) with calibrated ages of 974–1049 cal AD ($p = 0.823$), 1085–1124 cal AD ($p = 0.105$) and 1136–1150 cal AD ($p = 0.026$).

Base: (mbs) Lithology and Description

0.45 Loamy sand grading with depth to pebbly sandy loam; very dark grayish brown (10YR3/2) *moist*; weak subangular structure; many very fine roots; very friable; (*Af* “fill” soil horizon).

---- sharp and irregular lower contact

- 0.60 Loam and loamy sand; very dark gray (10YR3/1) to very dark grayish brown (10YR3/2) *moist*; massive; common artifacts (metal, glass, and cinder); friable; (*Cf1 "fill" horizon*).
- sharp and smooth lower contact
- 0.80 Loam and loamy sand; very dark gray (10YR3/1) to very dark grayish brown (10YR3/2) *moist*; heavily mottled with strong brown (7.5YR5/6) and dark gray mottles; massive to crudely bedded; friable; (*Cf2 "fill" horizon—canal dredge spoil*).
- sharp and smooth lower contact
- 2.00+ Loamy sand and sandy loam, grades to interbedded sand and pebbly sand near base; upper part black (10YR2/1), lower part brown (7.5YR3/3–3/4); with discontinuous interbeds of macro-organics in saturated sediments; water table ~1.2 m; friable; (*2ACg soil horizon grades with depth to 2Cg*).