June 24th, 2023 Hydraulic Dredging Update

Current Dredging Contract/Project

LLCD Yardage Removed /Cost to Date
- Total Yardage removed as of 6/22/23 - 83,732
- Total Cost Basis Completion as of 5/31/23 - $527,422.00

Maximum Contract Amount and Estimated Yardage
- Up to $1,054,800.00
- Approximate yardage of 142,240 (58,508 remaining)
- All inclusive cost per yard - $7.42/yd.

Shrewsberry Estimate (2018)

- Approx. Completed dredging area
- Approx. Current dredging area
Disposal Basin Information
- Upland containment size is 120,000 yards as built, though functional volume will be less.
- Over 83,000 yards have been placed in basin.
- LLCD is currently monitoring turbidity and total Suspended solids of the basin outflow.
- Dredge material storage location will shift to Long Causeway Pond once upland basin outflow parameters are deemed unacceptable.
- The LLCD will work with permitting agencies prior to changing disposal basins so everyone is aware of the change and agrees on reasoning/parameters.

2023 Private Dredging information - McCullough Dredging
- 4,790 yards of sediment removed.
  - 49 large barge loads (80yd) and 58 small barge loads (15yd)
- 16 tri-axles of rip-rap placed along shorelines

How is Removed Yardage Verified
Prior to dredging in the east bay, a bathymetric survey was taken of the dredging areas. Heartland dredging preforms additional bathymetric surveys of each area dredged for submittal with pay applications. Christopher Burke Engineering compares the Pre and Post dredge surveys to verify, and/or modify, the amount of material claimed to be removed on each pay application.