

City of Worcester MA

Coes Reservoir Study

October 7, 2015









Coes Reservoir Study

- City desires to develop a better understanding of Coes Reservoir for the purposes of improving management as a recreational water body
- Important to ensure that Coes Reservoir can support community initiatives
- Project elements
 - Define the watershed boundary
 - Map the water depth throughout the Reservoir
 - Measure the sediment depth throughout the Reservoir

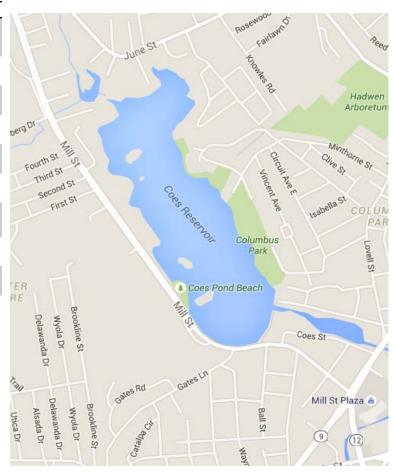
Brown and Caldwell

Summary information

Data	Value
Maximum length	4,000 ft ¹
Maximum width	1,400 ft ¹
Shoreline length	2.8 miles ¹
Surface area	91 acres ¹
Water volume	695 acre feet ²
Average depth to sediment	8 feet ²
Average sediment depth	1.5 ft ²
Watershed area	3,618 acres ^{2, 3}

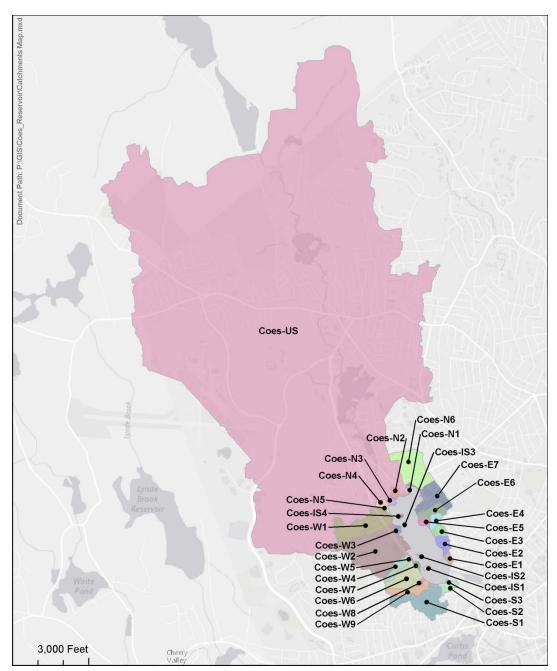
Notes:

- Source: GIS layer of Coes Reservoir provided by the City of Worcester
- 2. Source: Developed as part of this Study. Refer to Section 1.3 and 1.4 of Brown and Caldwell Technical Memorandum dated August 31, 2015 for more information.
- 3. Watershed area upstream of the Holden Reservoir Number 2 outlet is not included. The watershed delineation performed as part of this Study did not extend further upstream.

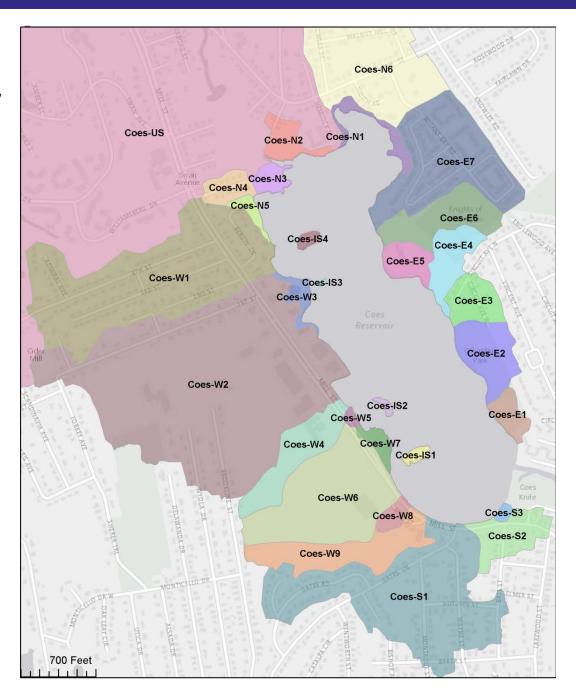


Brown and Caldwell

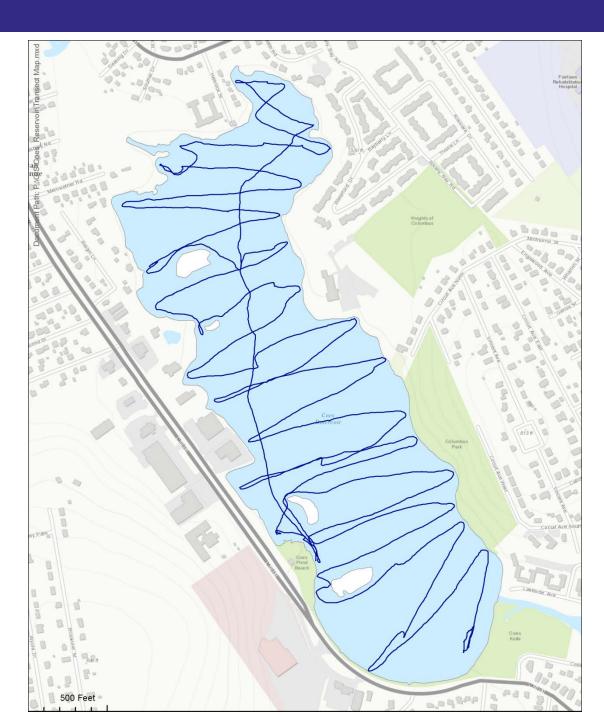
Coes Reservoir subcatchments



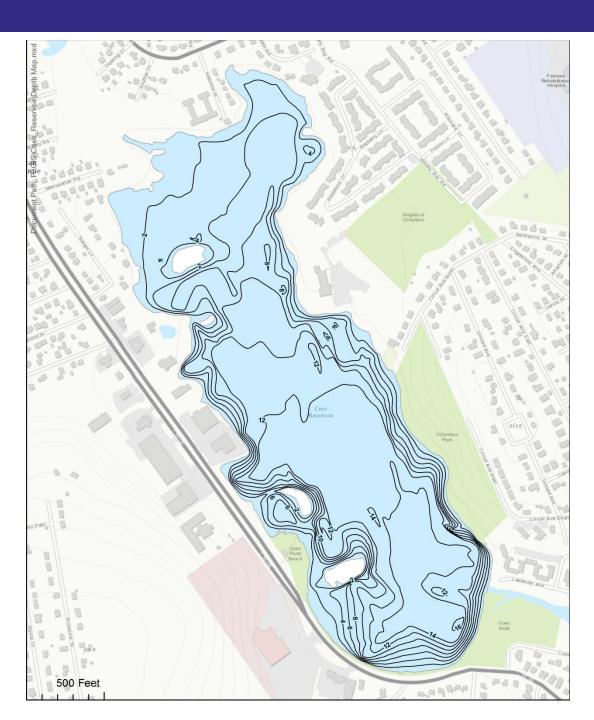
Subcatchments draining directly to Coes Reservoir



Path of boat during water depth measurements



Depth contours for Coes Reservoir



Sediment depth

