

Spring Lake (Lake 11) / East Lake (Lake 31)

Constituents of Concern	Source/COC rationale	BMP(s) to minimize constituents	Imagery
Chlorophyll a	Exceeds FDEP surface water standard for downstream waterbody (Naples Bay / Gordon River)	Dredging	
Copper Cu	Wood, 2019a and 2019b	Dredging	
Dissolved Oxygen	Wood, 2019a and 2019b	Aerators	
Total Nitrogen TN	Wood, 2019a and 2019b	Nutrient separating baffle boxes, dredging, wetland treatment system, and littoral shelf grading and planting	
Total Phosphorus TP	Wood, 2019 Wood, 2019a and 2019b	Nutrient separating baffle boxes, dredging, wetland treatment system, and littoral shelf grading and planting	
TSS	Wood, 2019a and 2019b	Dredging, nutrient separating baffle boxes, wetland treatment system, floc logs, littoral shelf grading and planting	
Fecal Coliform	Wood, 2019a and 2019b	Dredging, community education	

Sediment Pollutant Removal via Dredging

Dredging Spring Lake will remove:

- 43,201.81 lbs of total nitrogen
- 8,699.73 lbs of total phosphorus

Dredging East Lake will remove:

- 2,683.99 lbs of total nitrogen
- 203.49 lbs of total phosphorus

15th Avenue North Lake (Lake 19)

Constituents of Concern	Source/COC rationale	BMP(s) to minimize constituents	Imagery
Chlorophyll a	Exceeds FDEP surface water standard for downstream waterbody (Naples Bay / Gordon River)	Dredging	
Dissolved Oxygen	Wood, 2019b	Aerators	
Total Nitrogen TN	Exceeds FDEP surface water standard for downstream waterbody (Naples Bay / Gordon River)	Nutrient separating baffle boxes, dredging, wetland treatment system, and littoral shelf grading and planting	
Total Phosphorus TP	Exceeds FDEP surface water standard for downstream waterbody (Naples Bay / Gordon River)	Nutrient separating baffle boxes, dredging, wetland treatment system, and littoral shelf grading and planting	
Copper Cu	Downstream waterbody is impaired for copper	Dredging	
TSS	Wood, 2019b	Dredging, nutrient separating baffle boxes, floc logs, littoral shelf grading and planting	
Fecal Coliform	High concentration relative to FDEP surface water standard in downstream waterbody (Naples Bay / Gordon River)	Dredging, community education	

Sediment Pollutant Removal via Dredging

Dredging 15th Avenue North will remove:

- 37,158.12 lbs of total nitrogen
- 10,224.07 lbs of total phosphorus

Note: There are no water quality standard for stormwater lakes; discussions related to standards are included only as a basis of comparison for receiving waterbodies. Source: Wood, 2019a. Spring Lake Restoration Assessment Report.

Sources: Wood, 2019a. Spring Lake Restoration Assessment Report.