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Project Info

Client: New Port Richey

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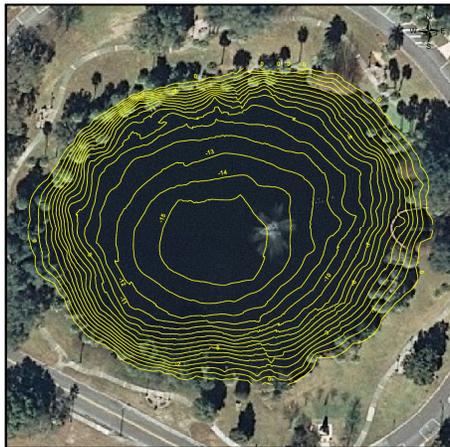
Date Awarded: 10/2015

Contract Amount: \$300,000



Orange Lake Restoration Project SWFWMD & RESTORE Funded Project Removal of Sediments and Stormwater Retrofits

GHS Environmental, LLC (GHS) was contracted by the City of New Port Richey to collect hydrogeological data, water quality, water level and bathymetric data from Orange Lake. Orange Lake is a circular drainage feature located north of downtown New Port Richey and is considered a natural, pedestrian park. Currently, storm water from an approximate 140 acre watershed basin drains into Orange Lake. Based upon that



study, the City proposed to design, permitting, and construction of stormwater system retrofits and dredging for sediment removal to Orange Lake for water quality improvements within the 2.4 acres of Orange Lake and it's receiving waters, the Pithlachascotee River. Project elements include the addition of 3 source control units (1 continuous deflective separator and 2 baffle and sump manholes), dredging



operations, an aeration/diffusion system, outfall slide gates, and littoral shelves along the lake. The drainage area includes approximately 139 acres. The resource benefit is the removal of an estimated 11,000 lbs of Total Nitrogen (TN) and 2,000 lbs of Total Phosphorus (TP) from Orange Lake; a reduction of an estimated 13,400 lbs/yr Total Suspended Solids (TSS) flowing into the Pithlachascotee River, and dredging 3,600 cubic yards of material from Orange Lake and the installation of source control BMPs at 3 stormwater outfalls.

