

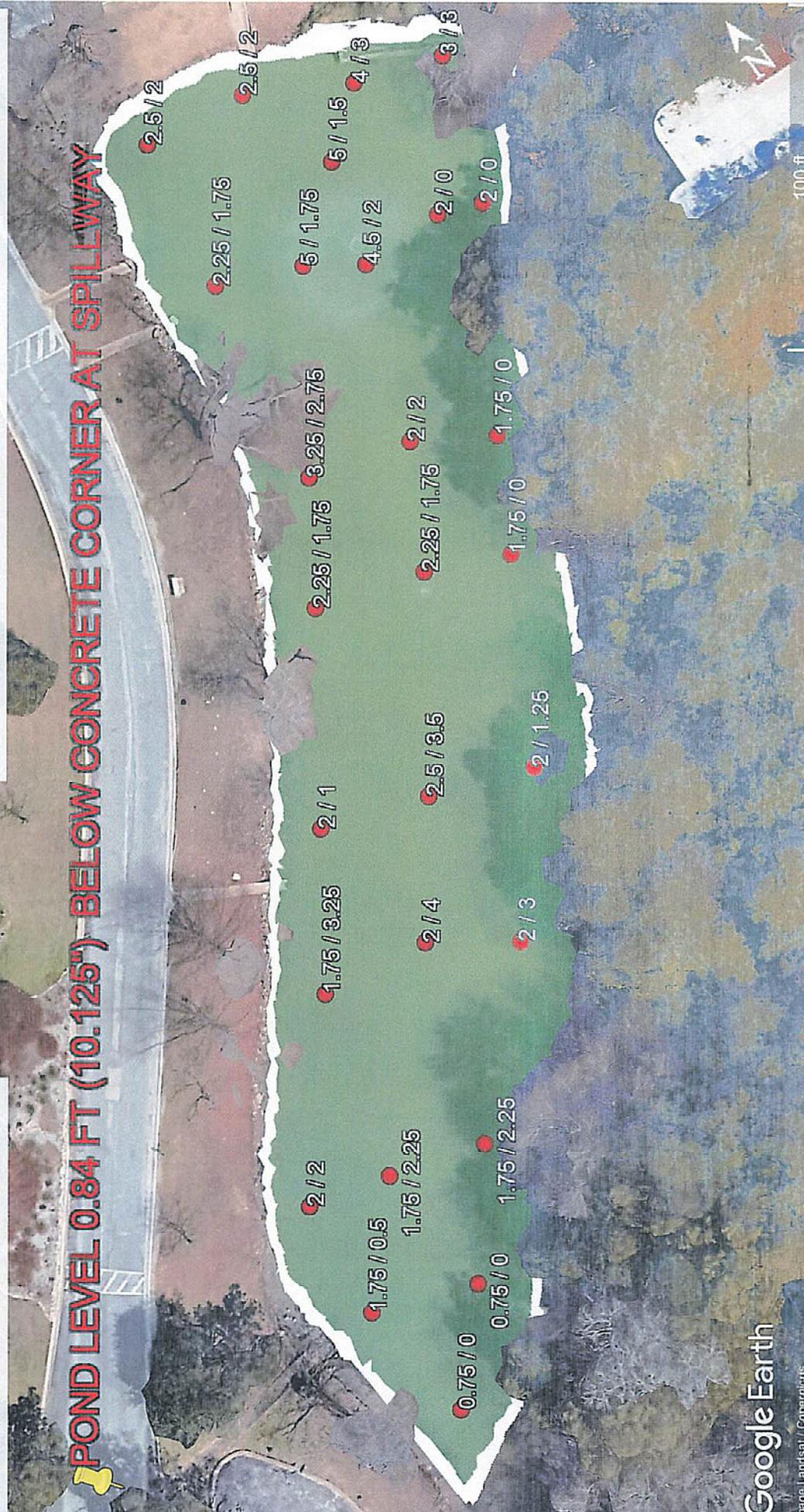
MISSION TRACE HOA POND

Depth and Sediment Depth Map Data Gathered 5/2/23

📌 POND LEVEL 0.84 FT (10.125") BELOW CONCRETE CORNER AT SPILLWAY

Legend

● Depth to Top Sediment / depth of sediment from top of sediment to hard restrictive layer (FT)



100 ft

MISSION TRACE POND
Vollmar Pond Management Sediment Survey
2-May-23

<i>Approx Pond Dimension</i>	<i>417' x 89'</i>	
<i>Approx Pond Area</i>	<i>0.85</i>	<i>37,026</i>
<i>Hard Restrictive Layer</i>	<i>(Acres)</i>	<i>(square feet)</i>
<i>Water Level Below Spillway</i>	<i>0.84</i>	<i>10.125</i>
	<i>(Feet)</i>	<i>(Inch)</i>

	Depth to Top Sediment/Ft. (Water Depth)	Max Water Depth/Ft. (When at Top Spillway)	Depth of Silt Fill/Ft. (Top of Silt to HRL*)	Max Water Depth (When Silt Removed)
	2.50	3.34	2.00	5.34
	2.50	3.34	2.00	5.34
	4.00	4.84	3.00	7.84
	3.00	3.84	3.00	6.84
	2.25	3.09	1.75	4.84
	5.00	5.84	1.75	7.59
	4.50	5.34	2.00	7.34
	2.00	2.84	0.00	2.84
	2.00	2.84	0.00	2.84
	3.25	4.09	2.75	6.84
	2.00	2.84	2.00	4.84
	1.75	2.59	0.00	2.59
	2.25	3.09	1.75	4.84
	2.25	3.09	1.75	4.84
	1.75	2.59	0.00	2.59
	2.00	2.84	1.00	3.84
	2.50	3.34	3.50	6.84
	2.00	2.84	1.25	4.09
	1.75	2.59	3.25	5.84
	2.00	2.84	4.00	6.84
	2.00	2.84	3.00	5.84
	2.00	2.84	2.00	4.84
	1.75	2.59	2.25	4.84
	1.75	2.59	2.25	4.84
	1.75	2.59	0.50	3.09
	0.75	1.59	0.00	1.59
	0.75	1.59	0.00	1.59
Average	<u>2.30</u>	<u>3.14</u>	<u>1.73</u>	<u>4.87</u>
Silt Fill			35.57%	
Approx Volume (Cubic Yards)			2,374.44	6,675.35
Approx Volume (Cubic Feet)			64,109.83	180,234.34
Water Volume (Gallons)				1,348,245
<i>(1.0 Cu ft. ~ 7.5 gallons)</i>				