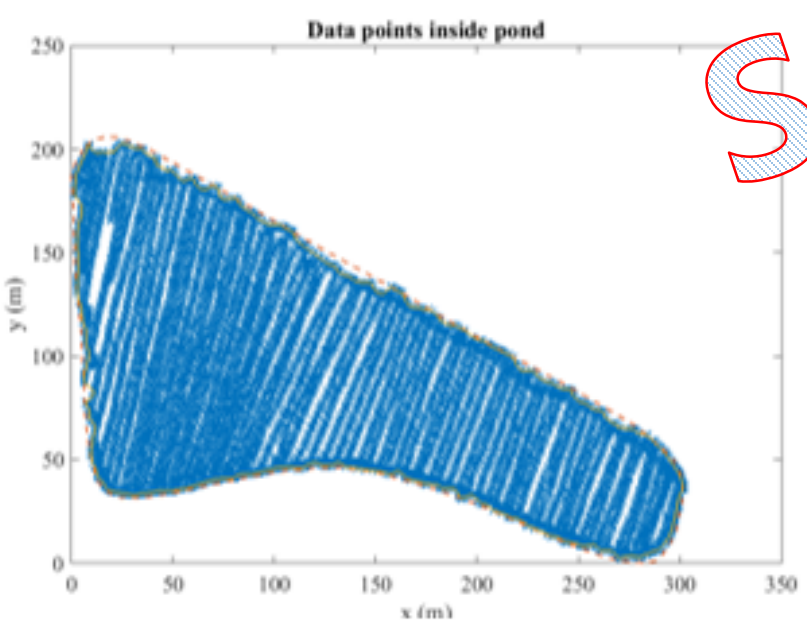
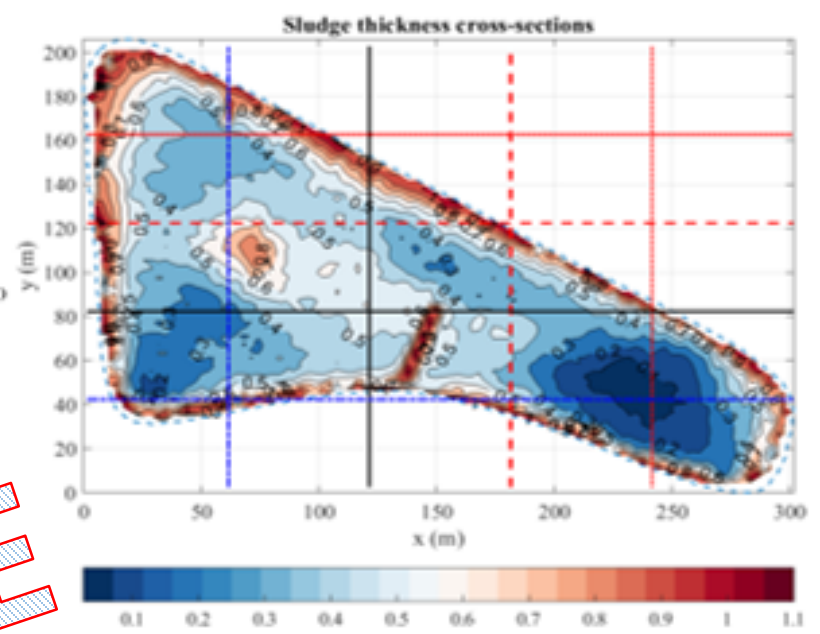
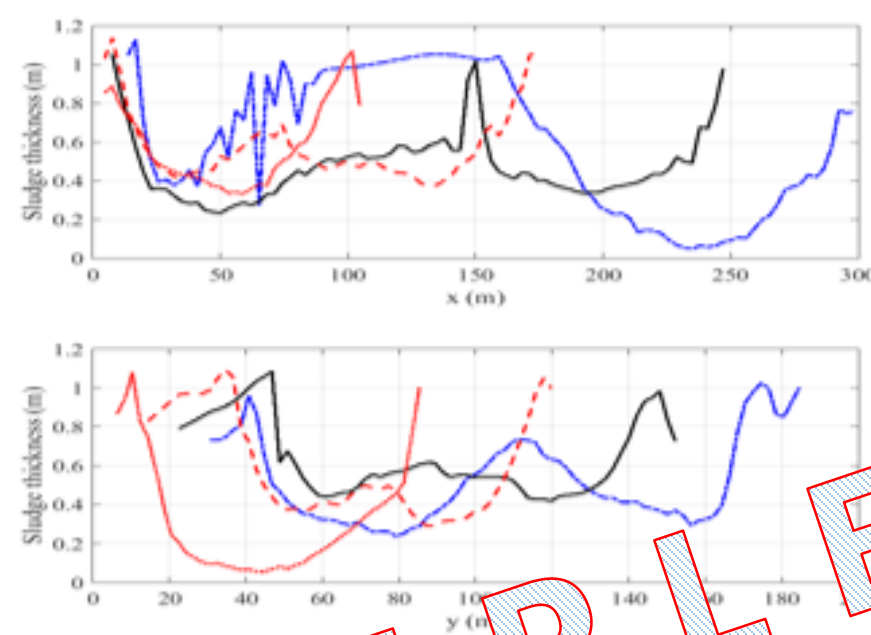
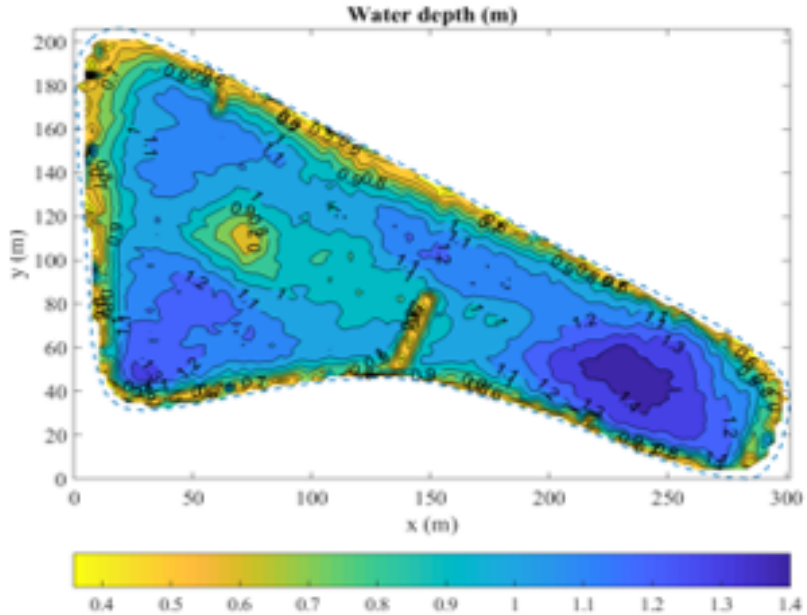


# ENGINEERING REPORT – BISMARCK, ND AREA POND



SAMPLE

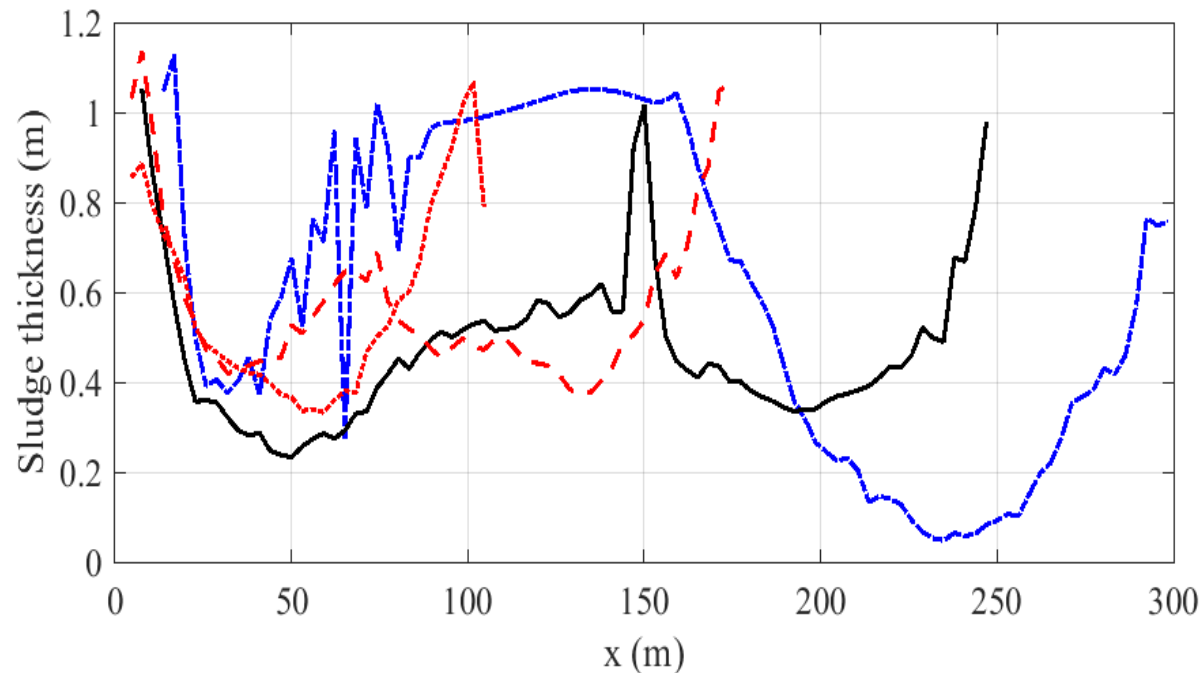
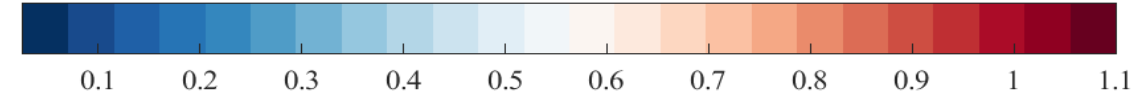
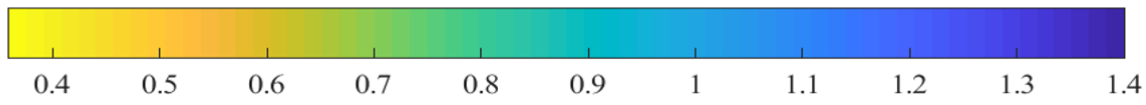
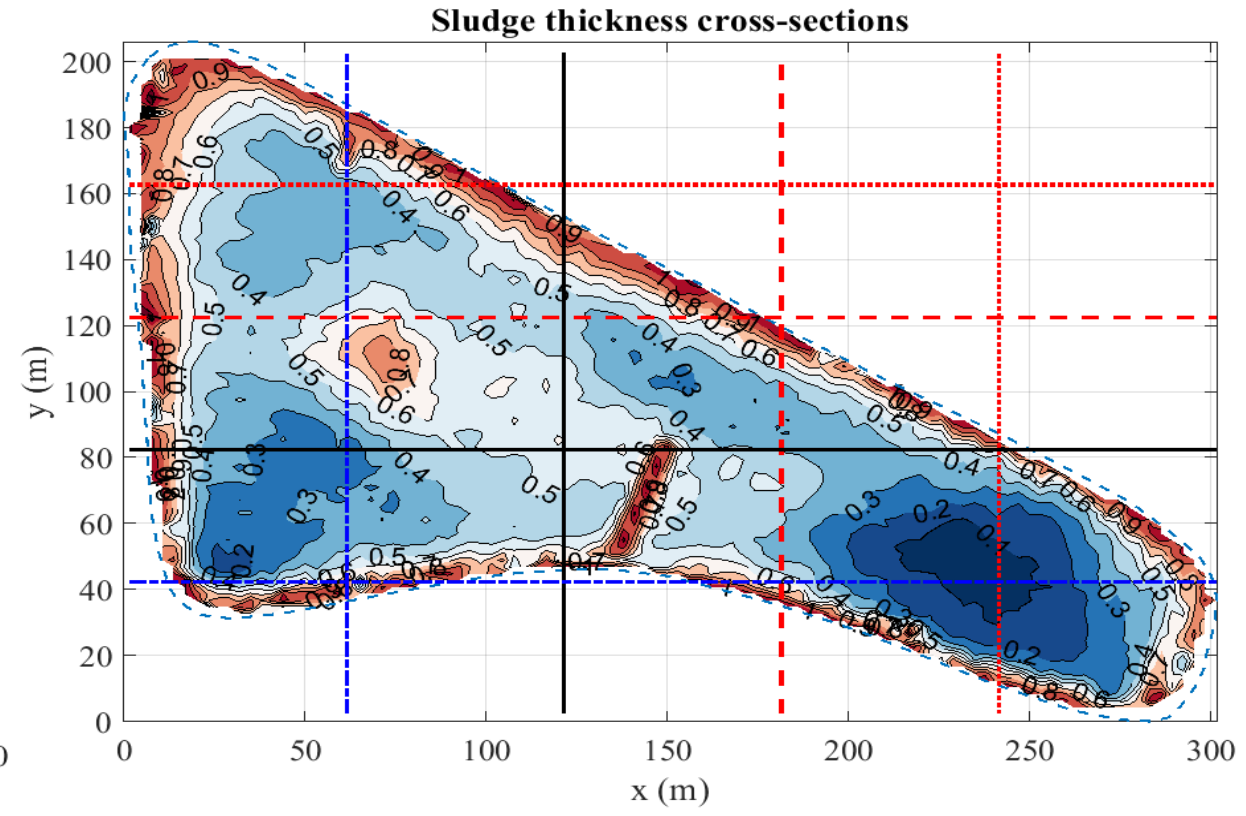
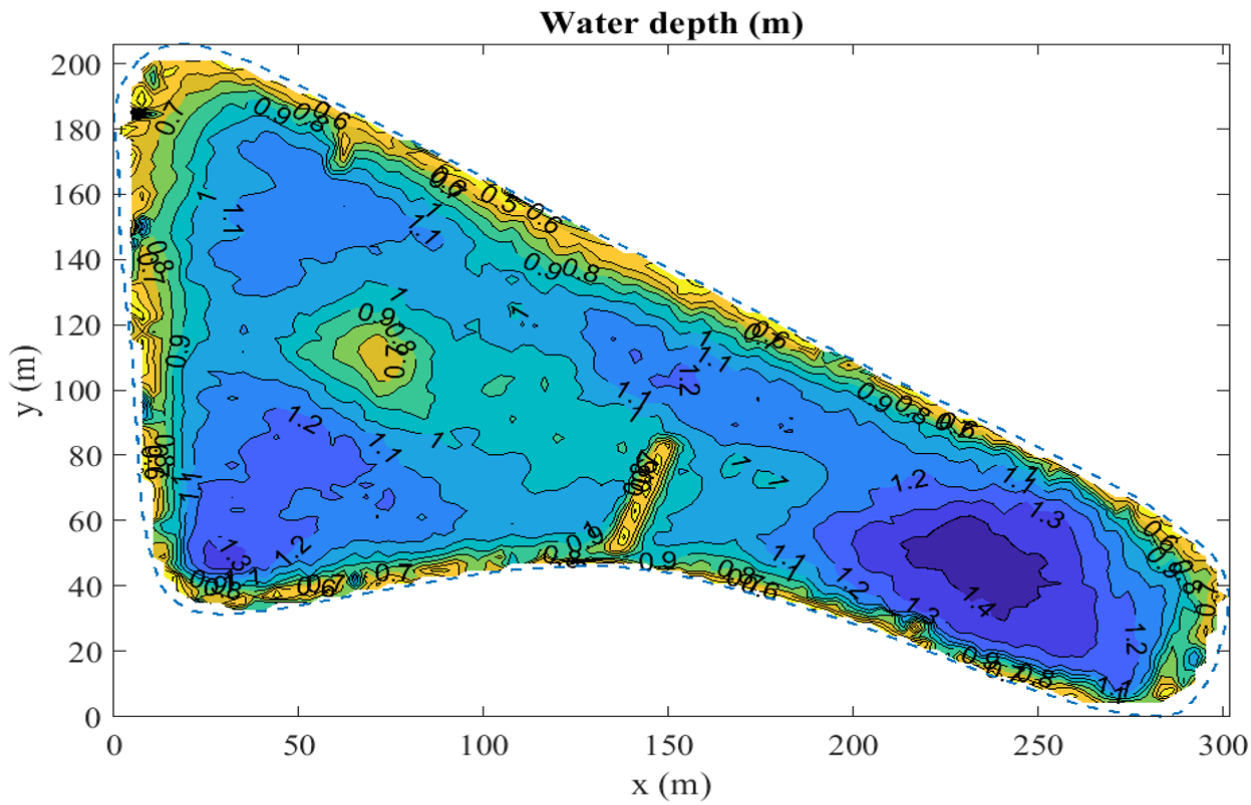
Pond Analytics for Sampling Period 11/02/2022							
Pond depth (m)	1.5	Water volume (m3)	31690	Min water depth(m)	0.29	Area filled above 66% (m2)	1962 (6%)
Total Area(m2)	31338	Sludge volume(m3)	15317	Max water depth (m)	1.49	Area filled above 50%(m2)	4127 (13%)
Pond volume (m3)	47007	Sludge infill(%)	33	Ave water depth (m)	0.96	Area filled below 25% (m2)	14111 (45%)



**BISMARCK, ND AREA POND**

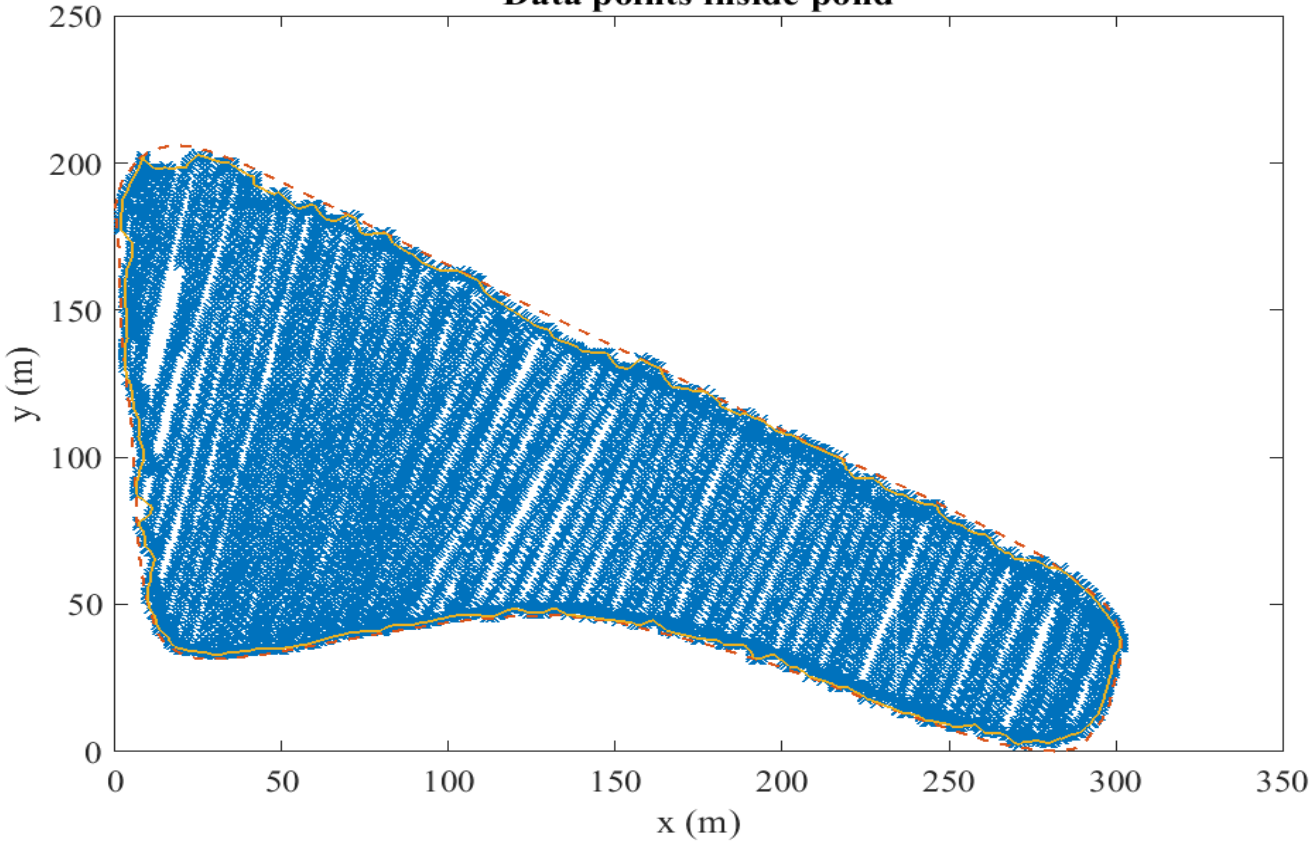
<b>Pond Analytics for Sampling Period 11/02/2022</b>					
<b>Pond Depth</b>	1.50 meters 4.92 feet	<b>Total Area</b>	31,338 sq meters 337,197 sq feet	<b>Pond Volume</b>	47,007 cubic meters 1,659,817 cubic feet
<b>Min Water Depth</b>	0.29 meters 0.95 feet	<b>Area Filled Above 66%</b> 6%	1,962 sq meters 21,111 sq feet	<b>Water Volume</b>	31,690 cubic meters 1,118,974 cubic feet
<b>Max Water Depth</b>	1.49 meters 4.89 feet	<b>Area Filled Above 50%</b> 13%	4,127 sq meters 44,407 sq feet	<b>Sludge Volume</b>	15,317 cubic meters 540,843 cubic feet
<b>Avg Water Depth</b>	0.96 meters 3.15 feet	<b>Area Filled Below 25%</b> 45%	14,111 sq meters 151,834 sq feet	<b>Sludge Infill</b>	<b>33%</b>

# Sludge Thickness (x axis)



# Sludge Thickness (y axis)

### Data points inside pond



### Sludge thickness cross-sections

