



Waterford Waterway Management District Minutes

Tuesday December 14th, 2021 at 6PM

This meeting was held in person at the Waterford Town Hall and online using Zoom

1. Call to Order at 6pm. Greg, Bill, Grant, Dan, Alex, Margaret present. Scott not present.
2. Review and act on Claims December 2021
 - a. Margaret Motioned: to approve claims as listed plus the additional up to \$325 Bill requested in the motion below. Bill seconded. Approved 6-0.
 - b. Bill motioned: that the WWMD approve an increase to the boat launch DNR fee not to exceed an additional \$325. Grant seconded. Approved 6-0.
3. Review of Smart Scope Dredging Project Update-Grant presented.
 - a. Grant updated the commission on where the ESR committee stands currently on the dredging project.
 - i. Margaret: Concern about a specific area proposed to be dredged and if it needs to be dredged. Grant states that riparians in all areas have indicated by their signatures the desire for dredging. We will also have contact with riparians in the future to finalize our plans.
 - ii. Bill:
 1. Why is Foxwood in blue on the maps. Grant: That indicates no channel in front of riparians.
 2. Will the channels and riparian dredging be done on year one. Grant: Yes.
 3. Clarified the max allowed depth to dredge is 5 ft per the DNR.
 4. Concern about the ability for riparians to exit the program. Doing so could skew our numbers and put the program in jeopardy. Grant: Concern about residents on a fixed income. Does not seem like it will be an issue based on initial indications.
 - iii. Alex. Is in favor of the current plan and moving forward.
 - iv. Dan. Is in favor of the current plan and moving forward.
 - v. Greg.
 - a. Greg confirmed that we fulfilled the public bidding process responsibility on the RFP requirements and since there were no interested parties that submitted a bid, we have the ability to reach out specifically to engineering firms in order to negotiate the best deal possible to achieve our objectives
 - b. We need to get current info out there.
 - c. Need some additional people other than commissioners to help the dredging process.
 - d. Will need to talk about meetings, communications, regulatory requirements and plan on exactly what will need to be followed up in the next phase of the process

- e. A roadmap to a riparian meeting has been drafted by Grag and Grant
 - f. A legal review for a document for people to sign onto the project.
 - g. A timeline for moving forward.
 - vi. Grant: No other comments.
- 4. Opportunity for Public to address commission
 - a. Gary. Is there enough support in IVB? What are the proposed channels. Grant: Yes, there is solid support. Channels will be addressed after the meeting with Gary. Gary: If there isn't support from riparians, what happens? Grant: We will determine that later. Gary? Target cost? Grant: \$400 per owner per year for up to 10 years.
 - b. Justin: 4919 Elm Island Circle. Will there be opportunity for individuals to add to the permit for their area. Potentially. It would be another permit.
 - c. Mike Barrett: Clarification of channel depths. Recommendations about assisting low-income riparians to keep the project going.
- 5. Adjourn Meeting. Bill motion to adjourn meeting. Margaret seconded. Meeting adjourned approved 6-0 at 7:01pm.



**Waterford Waterway Management District
Agenda
Tuesday December 14th, 2021 at 6PM**

This meeting will be held in person at the Waterford Town Hall and online using Zoom

1. Call to Order
2. Review and act on Claims-December 2021
3. Review of Small-Scale Dredging Project Update
4. Opportunity for Public to address commission
5. Adjourn Meeting

Waterford WWMD is inviting you to a scheduled Zoom meeting.

Join Zoom Meeting

<https://us06web.zoom.us/j/81652252773?pwd=Mj9Jc0M3Rm5ldnJOUzhLdVZqTUZ0QT09>

Meeting ID: 816 5225 2773

Passcode: 169023

One tap mobile

+13017158592,,81652252773#,,,,*169023# US (Washington DC)

+13126266799,,81652252773#,,,,*169023# US (Chicago)

Dial by your location

+1 301 715 8592 US (Washington DC)

+1 312 626 6799 US (Chicago)

+1 929 205 6099 US (New York)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 669 900 6833 US (San Jose)

Meeting ID: 816 5225 2773

Passcode: 169023

Find your local number: <https://us06web.zoom.us/j/kcfyxCi8QN>

6:11 PM

12/14/21

Accrual Basis

Waterford Waterway Management District

Claims Report

All Transactions

Type	Date	Num	Name	Memo	Split	Open Balance
Bill	11/19/2021	407840	Southern Lakes Newspapers,LLC	Bid Notice Dredging Engineering RFP	Small Scale Dredging	-18.63
Bill	11/21/2021		Margaret Shoptaw	Quickbooks Subscription	Office Supplies	-349.99
Bill	11/24/2021		Gregory Horeth	Quickbooks Subscription	Office Supplies	-367.49
Bill	12/15/2021	ESTIMATE	Bill McCormick	Additional Fees for DNR Launch Improvem...	Launch Improvements	-325.00
Bill	01/08/2022	ESTIMATE	Your Store All	Annual Storage Fee	Storage	-400.00
Total						<u><u>-1,461.11</u></u>

DRAFT



Waterford Waterway Management District Dredging Outline

- Dredging will start after July 4th, 2022 if approved by riparian voters in early 2022. Dredging prior to July 1 is not allowed by the DNR due to the presence of four endangered species. Dredging will continue through December.
- The project manual for dredgers to bid on is planned to be completed prior to April 1.
- We are currently in the permitting process with the DNR.
- Bidding for dredging by dredging contractors will take place in April. Bidders will be allowed to bid on mechanical and/or hydraulic methods.
- Project areas can be seen on attachments B, C and D.
- A physical description of the areas where the project areas are can be seen in attachment G.
- Quantities of sediment to be removed from each area is detailed in attachment A.
- Sediment will be spread on farmer's fields in close proximity to the waterway.
- Channels included in the project area are to be 25 feet wide, and 1.5' of sediment will be removed from these channels to a depth of 1.5' less than currently exists. This totals 86,000 cubic yards and will be removed in 2022. The length of the channels varies.
- In addition to the channels, which are typically between 50 and 100 feet from the shoreline, directly affected and participating owners will have a 30' lane dredged from their shoreline or pier out to the 25' wide channel, removing 50 cubic yards from that lane in 2022. We will get pricing for removing 50 cubic yards from the same lane each year through 2024. The DNR permit we apply for will include dredging through 2024. A greater amount than this may constitute a "large scale dredging project." The total amount will be 149,285 cubic yards.
- Not every owner in the project areas will have the lane from their shoreline or pier out to the 25' channel dredged. Some have opted not to. Should a minimum percentage of owners in a project area not be met, that area will not be eligible for the channel in front of it to be dredged. The minimum percentage varies based on the total amount of owners in the area and specific details are not available at this time.
- Only directly affected owners will be assessed an annual special charge above and beyond the current WWMD special charge. This amount is yet to be determined, however the goal is \$400 per year or less for up to ten years. A lower rate will apply for owners of Marina Cove and Foxwood Crossing condominiums as the total frontage of each is less than 20 feet. The special charge must be voted on by directly affected owners and a majority vote will determine the fate of the project.



Waterford Waterway Management District

Small Scale Dredging Project

Vision:

To provide rapid and continuous impact to riparian owners who struggle to navigate from their piers to the lake and river and increase navigability for all users in the channels adjacent to those properties.

Areas in Need:

Shallow bays along the river, in the lake, and just north of the dam where navigation from piers or shoreline has gotten increasingly difficult or is now non-navigable.

			Polygon #	<u>Navigation Path Sq Footage - Dredged 1.5 feet depth 25 ft wide</u>	<u>Navigation Path CY</u>	<u>Estimated # of Participants</u>	<u>Participant CY @ 50CY each for 3 Yrs</u>	<u>Total Cubic Yards</u>	
South									
Elm Island Bay			11-13	118,247	6,569	51	7650	14,219	
Fox Isle Condos and Marina Cove Condos			13-17	69,823	3,879	70	10500	14,379	
Foxwood				-	-	56	8400	8,400	
				188,070	10,448	177	26,550	36,998	
Central									
Buena Lake			5,7,8,	110,856	11,714	70	10500	22,214	
Island View Bay			0,2,10,13	116,777	6,321	50	7500	13,821	
War Bonnet and Island View Ct			6	26,213	1,456	9	1350	2,806	
Elm Island Circle and Riverside Rd channel			11	49,791	2,766	15	2250	5,016	
Elm Island Drive and Circle			10	60,146	3,341	20	3000	6,341	
				460,778	25,599	164	24,600	50,199	
North									
Conservancy Bay to Mouth of Tichigan Lake									
Channel Road			8	150,839	8,380	45	6750	15,130	
Tichigan Road and White Oak Lane			10	5,686	316	29	4350	4,666	
Forest Isle Lane and Orchard Lane			7	66,599	3,700	21	3150	6,850	
Riverside Road and Buena Park Rd			11	59,042	3,280	26	3900	7,180	
Tichigan Bays			1-3	40,930	2,274	26	3900	6,174	
Burma Road Bays			12,13	14,807	823	19	2850	3,673	
River Bay Rd			5	115,492	6,416	47	7050	13,466	
Linda's Canal			4	-	-	18	2700	2,700	
Heidelberg Circle			14	18,881	1,049	8	1200	2,249	
				472,276	26,238	239	35850	62,088	
TOTALS									
				1,121,124	62,285	580	87,000	149,285	

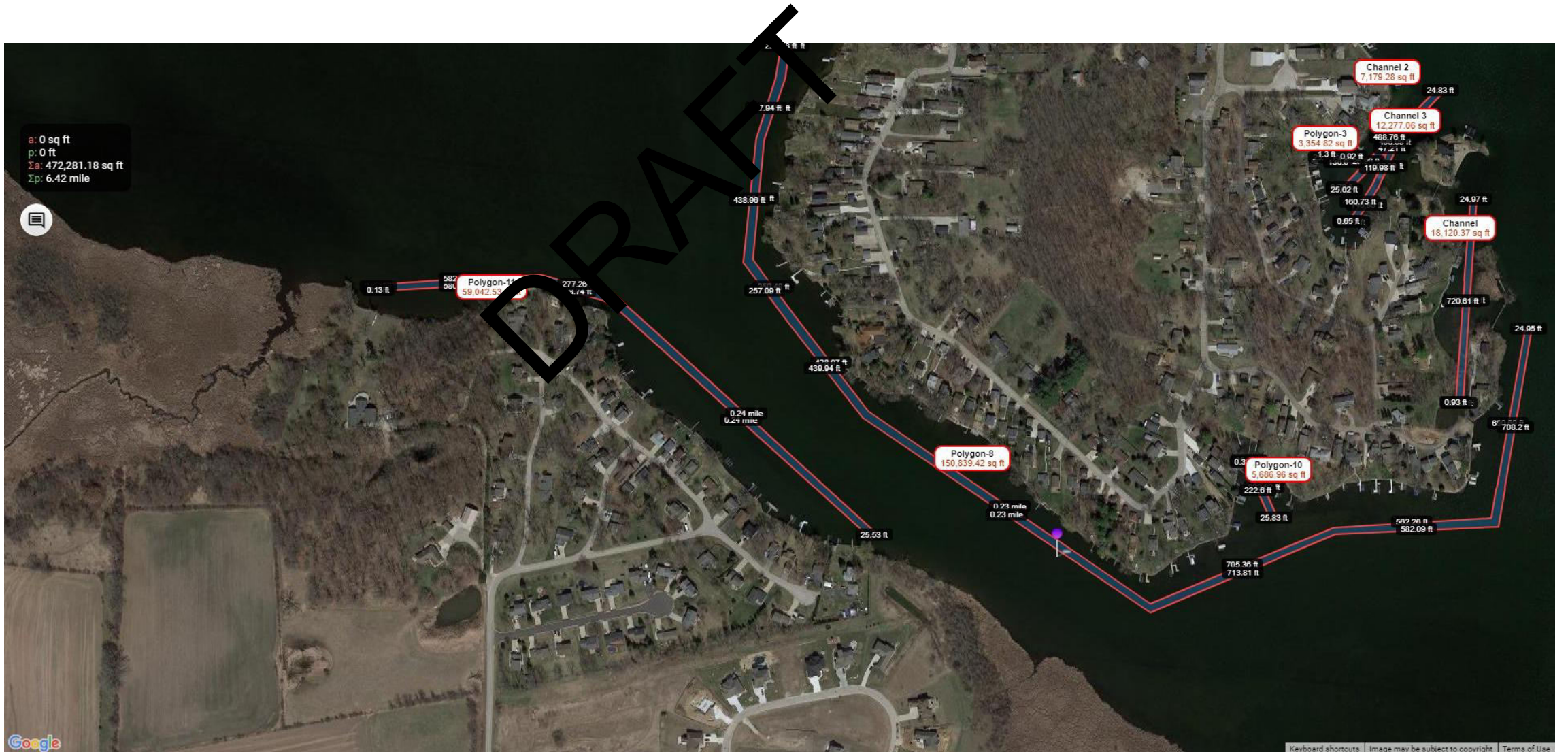
Project Areas (north):



Northern Project Areas (zoomed in):



Northern Project Areas (zoomed in):



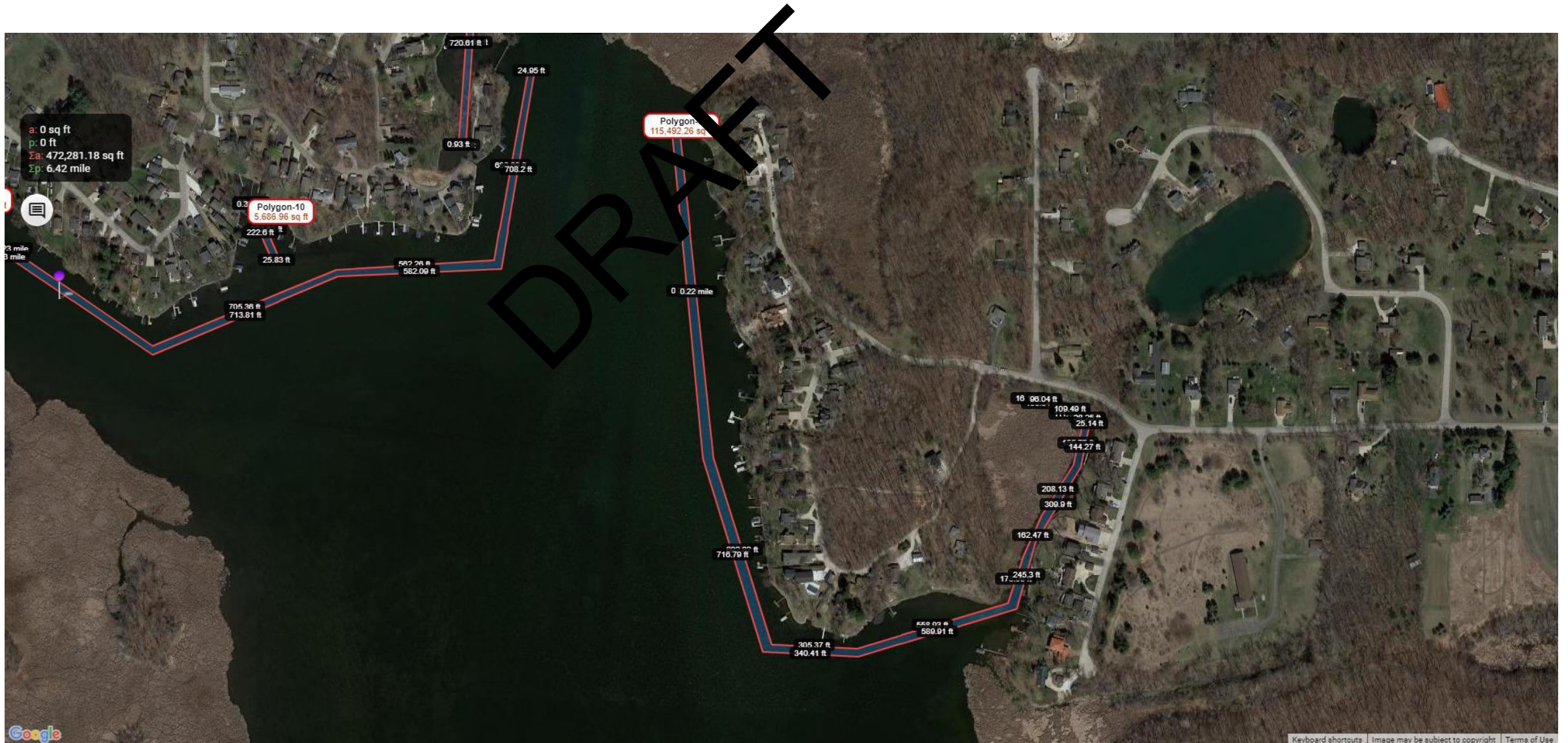
Northern Project Areas (zoomed in):



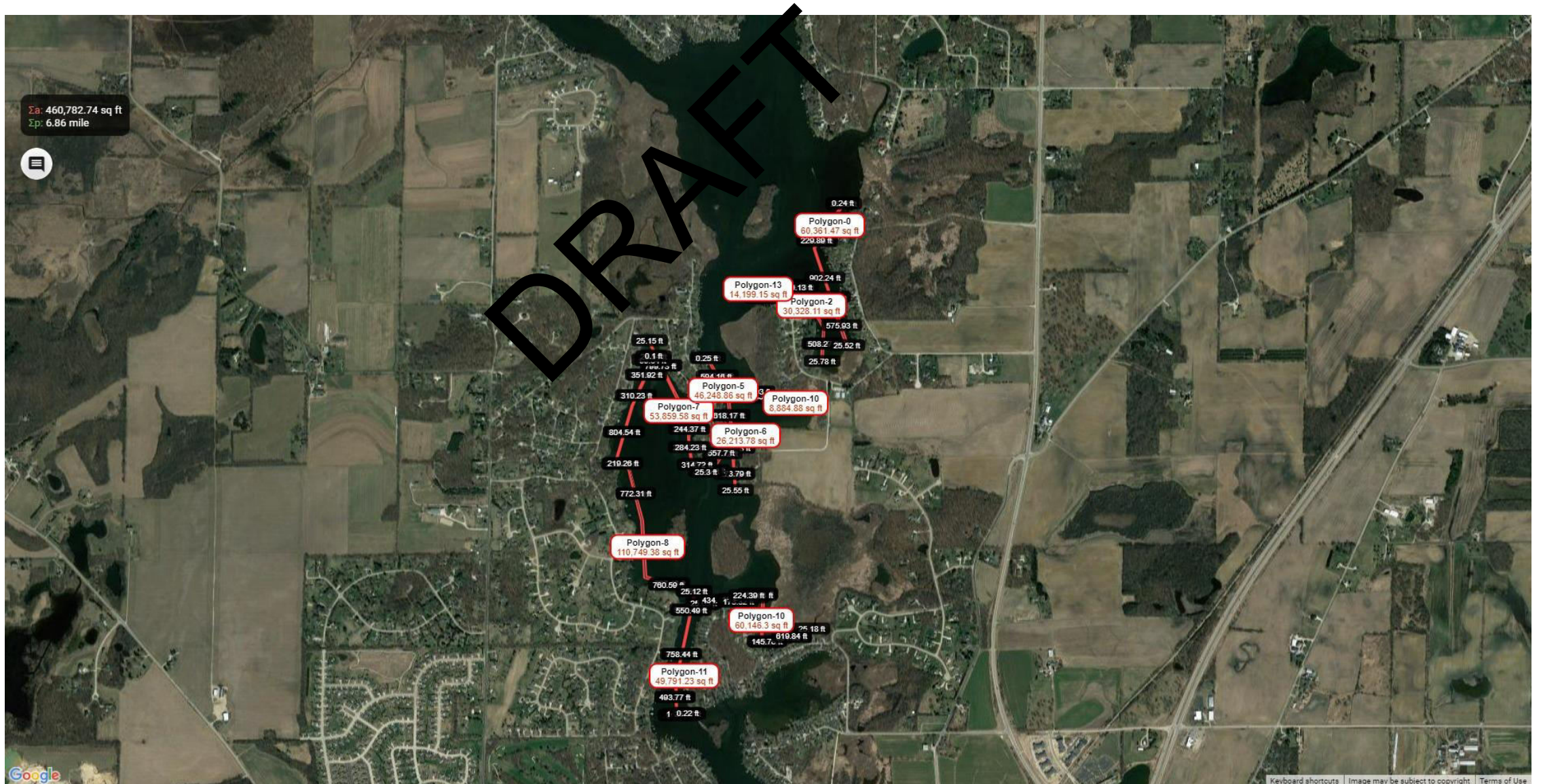
Northern Project Areas (zoomed in):



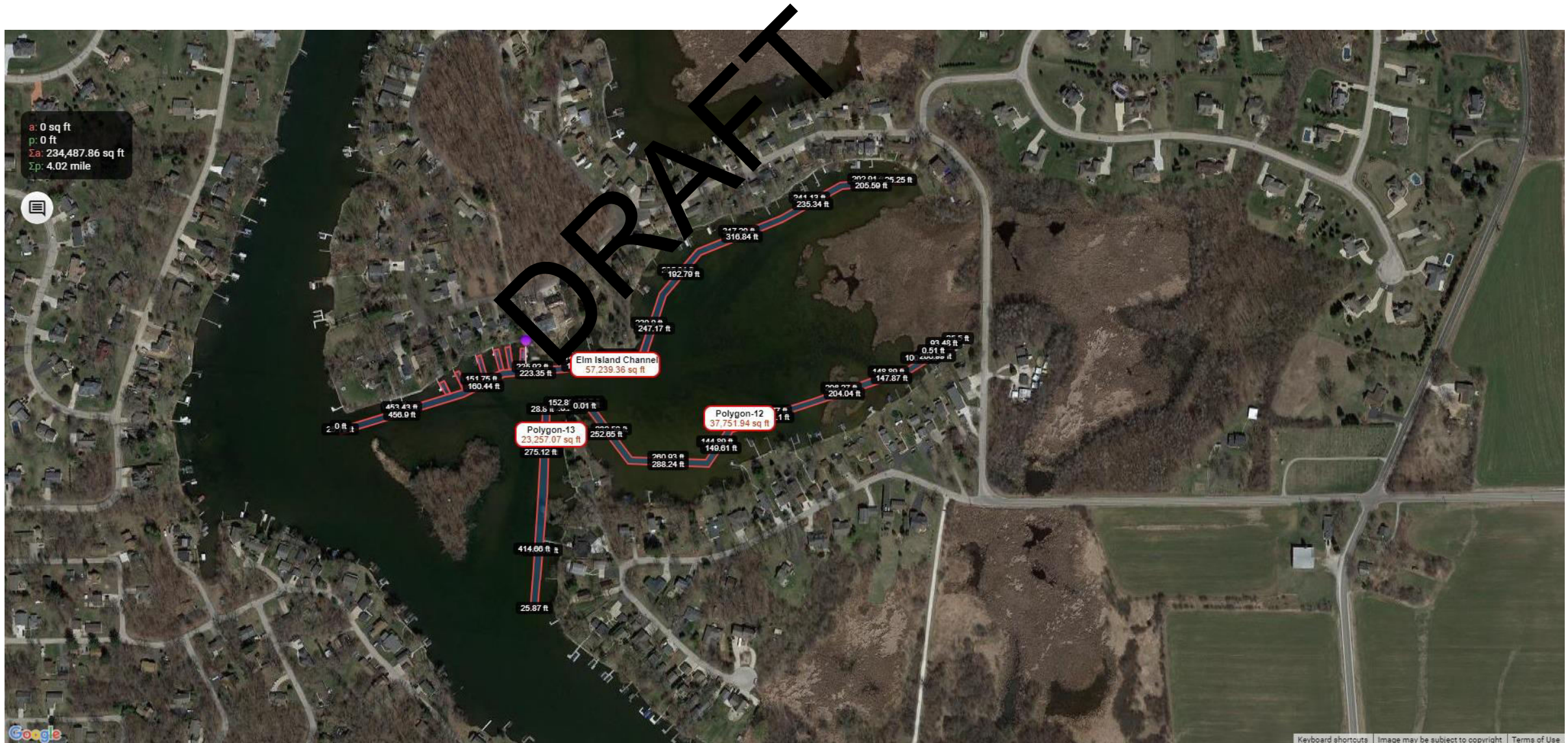
Northern Project Areas (zoomed in):



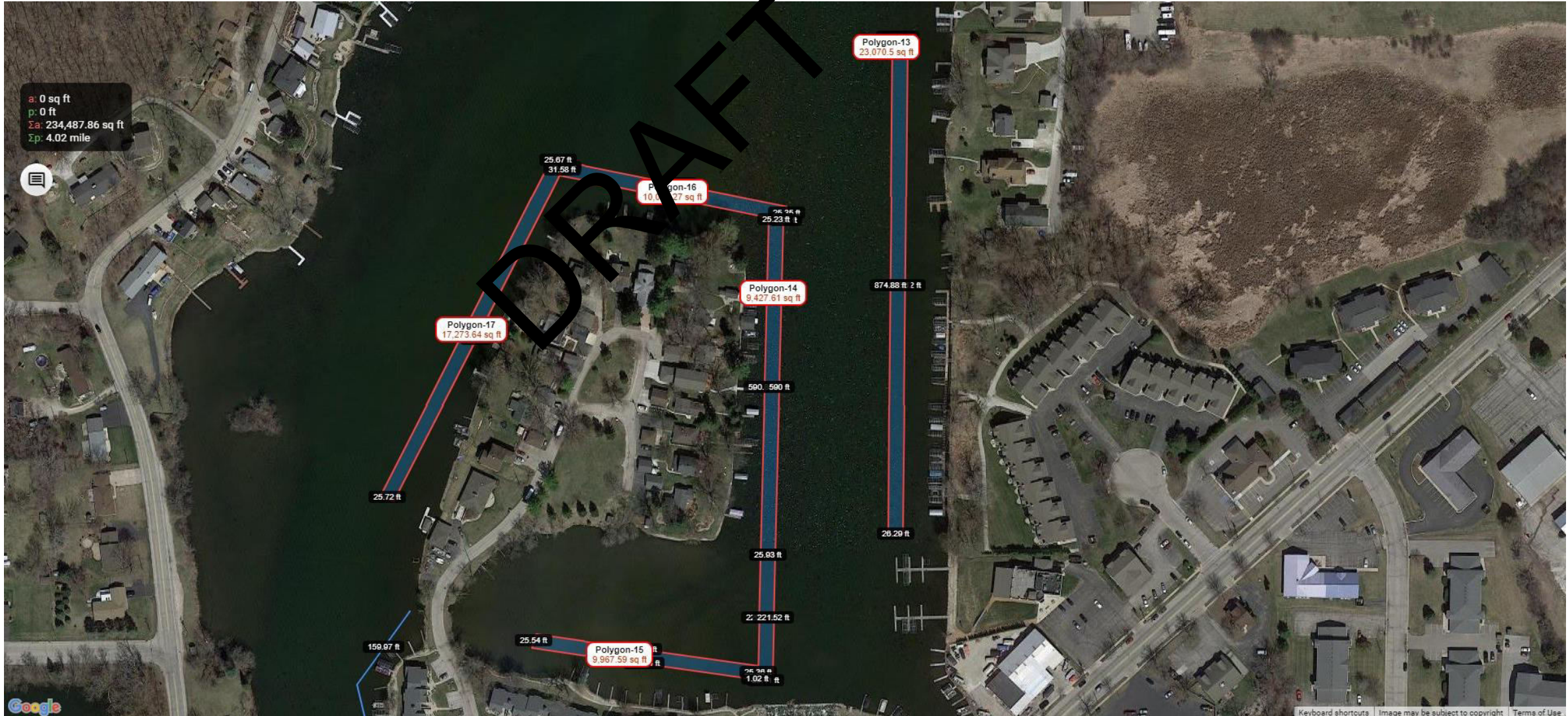
North/Central Project Areas:



Elm Island Bay Project Area (zoomed in):



Southern Project Areas (zoomed in):



Southern Project Areas (zoomed in):



Project Area Physical Description by Address:

Elm Island Bay & Fowlers Bay

From 4622 Empire Lane *East* to 4732 N River Bay Road

From 28811 Elm Island Drive *West* to 29333 Elm Island Dr

From 28910 Elm Island Drive *West* to 29030 Elm Island Dr

From 5020 Elm Island Circle *Northwest* to 4946 Elm Island Circle

Excludes 4928 Elm Island Circle North to 4944 Elm Island Circle

From 4918 Elm Island Circle *South* to 4800 Elm Island Circle

Buena Lake

From 4735 Riverside Road *North* to 4901 Riverside Road

From 4909 Riverside Road *North* to 5239 Riverside Road

From 5409 Scenery Drive *North* to 5737 Scenery Drive

From 5724 Peninsula Drive W *South* to 5401 Peninsula Drive W

From 5729 Peninsula Drive E *South* to 5405 E Peninsula Drive E

Project Area Physical Description by Address:

Island View Bay (50 Properties, 2,500 CY per year)

From 28702 Gawin Dr West to 28712 Gawin Dr

From 5718 Island View Dr Southeast to 5633 Island View Ct

From 28810 Wood Dr East to 28713 Wood Dr

From 5700 N River Bay Rd North to 5962 N River Bay Rd

Conservancy Bay to Mouth of Tichigan Lake

From 29214 Forest Isle Lane West to 29314 Forest Isle Lane (Includes Dickinson Ln)

From 29318 Orchard Land West to 29429 Riverview Lane

From 6732 Channel Road South to 6400 Channel Road

From 6401 Tichigan Road N Northeast to 6437 Tichigan Road N

From 29205 White Oak Lane East to 29134 White Oak Lane

6522 Buena Park Rd

From 6601 Riverside Dr Southwest to 6301 Riverside Rd

Tichigan Bays

From 6411 Willow Ln North to 6621 Willow Ln (includes Willow Ct)

From 29129 Beechwood Ln East to 29103 Beechwood Ln

Project Area Physical Description by Address:

Burma Road Bays

From 6824 Burma Rd *South* to 6704 Burma Rd

From 28636 Beach Dr *West* to 6725 Irma Ln (Includes Irma Ct)

East River Bay Road Bays

From 6472 Blue Heron Point Dr *South* to 6422 Blue Heron Point Dr

From 6320 Crane Ct *South* to 6300 Crane Ct

From 6240 Briarwood Cir *Southeast* to 28801 Briarwood Cir

From 6520 Washington Rd *East* to 6425 Washington Rd

From 6328 River Bay Rd *South* to 6212 River Bay Rd N

Project Area Physical Description by Address:

War Bonnet Lane & Back Side of Island View Ct (9 Properties, 450 CY per year)

From 28967 War Bonnet Lane South to 29031 War Bonnet Lane (Excludes
From 5710 Island View Ct East to 5618 Island View Ct

Fox Isle Condos & Marina Cove Condos

300 Foxwood Dr North to 405 Fox Isle Park
From 230 Milwaukee St N North to 636 Oak Lodge Road (includes Marina Ct)

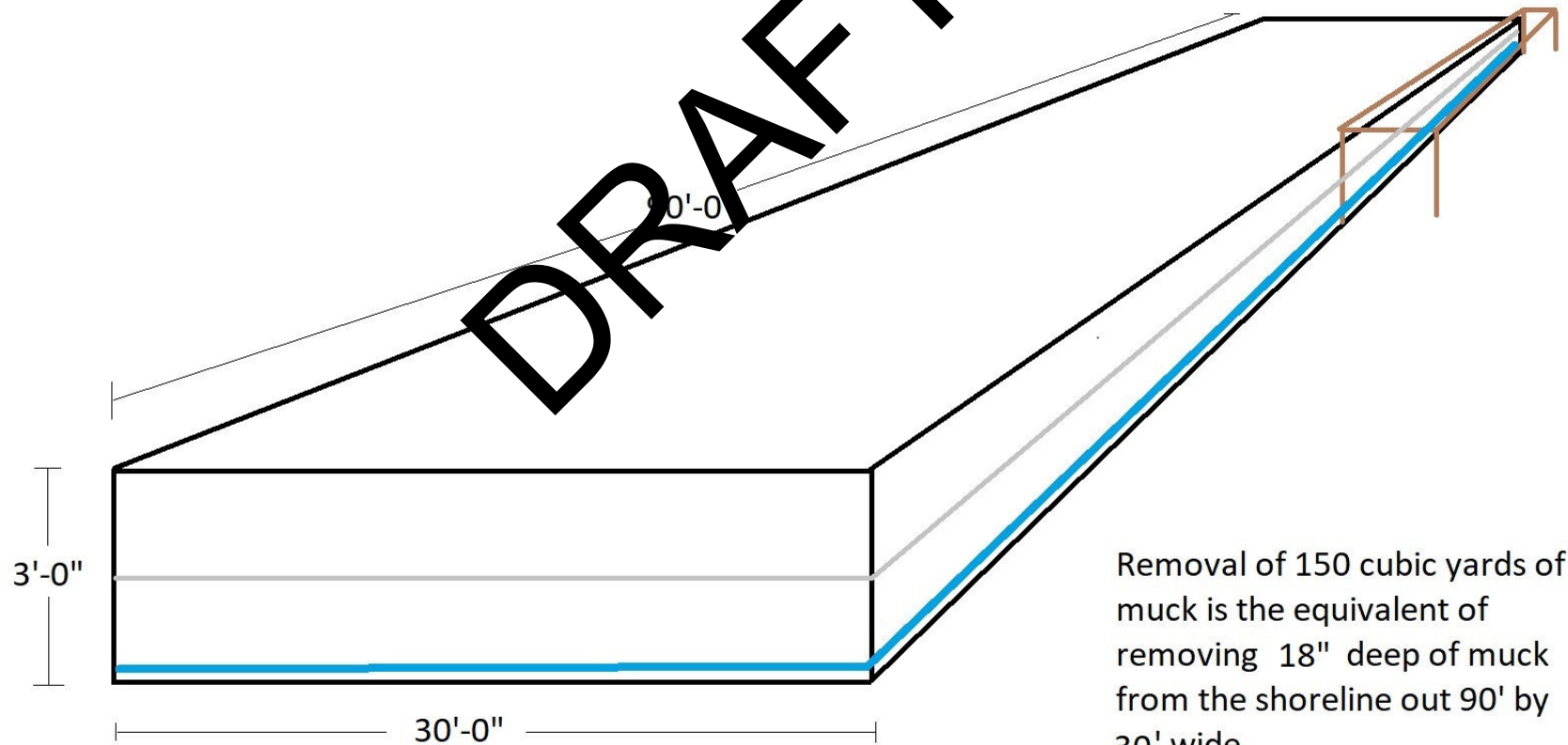
What About Linda's Canal (16 Properties, 800 CY per year)

From 6645 Heidelberg Circle South to 6601 Heidelberg Cir
From 28837 Beach Dr South to 28837 Beach Dr
From 6632 Canal Ln South to 6600 Canal Ln

Heidelberg Court (8 Properties, 400 CY per year)

From 6616 Heidelberg Court South to 6504 Heidelberg Court

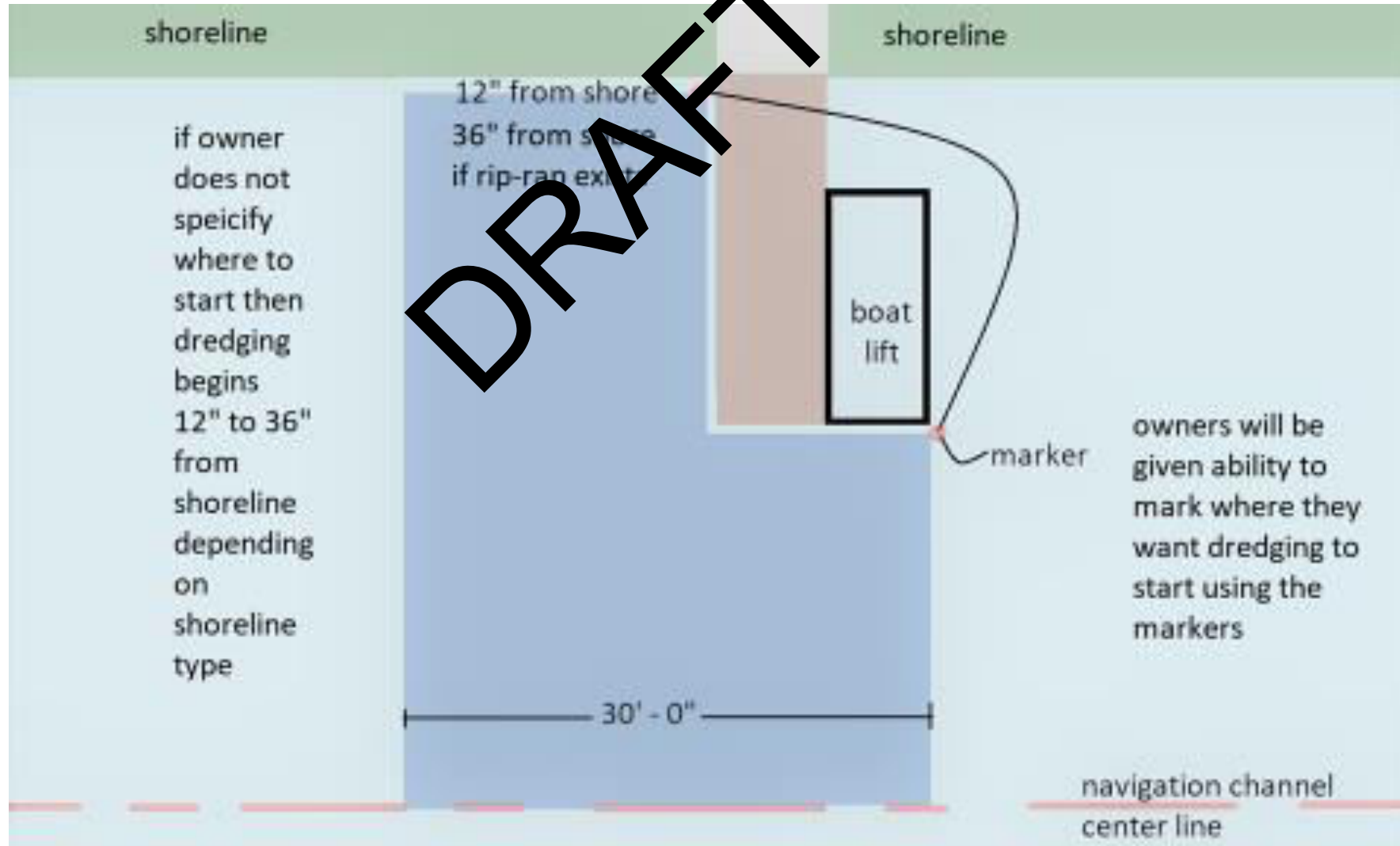
What does 150 cubic yards look like?



Removal of 150 cubic yards of muck is the equivalent of removing 18" deep of muck from the shoreline out 90' by 30' wide

or removing 3'-0" of muck from a 30' wide path from shore out 45'

What does this look like for my pier/shoreline?



Schedule:

December-March:

in permitting phase, engineering for project
manual/dredging bid package.

April:

Dredgers will bid on project

May:

Voting on Project by Affected Owners

July:

Dredging Begins

		<u>Navigation Path Sq Footage - Dredged 1.5 feet depth 25 ft</u>		<u>Estimated # of</u>	<u>Participant CY @ 50CY</u>	
	<u>Polygon #</u>	<u>wide</u>	<u>Navigation Path CY</u>	<u>Participants</u>	<u>each for 3 Yrs</u>	<u>Total Cubic Yards</u>
South Tichigan Lake						
Elm Island Bay	11-13	118,247	6,569	51	7650	14,219
Fox Isle Condos and Marina Cove Condos	13-17	69,856	3,879	70	10500	14,379
Foxwood		-	-	56	8400	8,400
		188,070	10,448	177	26,550	36,998
Central Tichigan Lake						
Buena Lake	5,7,8,	110,856	11,714	70	10500	22,214
Island View Bay	0,2,10,13	113,772	6,321	50	7500	13,821
War Bonnet and Island View Ct	6	26,213	1,456	9	1350	2,806
Elm Island Circle and Riverside Rd channel	11	49,791	2,766	15	2250	5,016
Elm Island Drive and Circle	10	60,146	3,341	20	3000	6,341
		460,778	25,599	164	24,600	50,199
North Tichigan Lake						
Conservancy Bay to Mouth of Tichigan Lake						
Channel Road	8	150,839	8,380	45	6750	15,130
Tichigan Road and White Oak Lane	10	5,686	316	29	4350	4,666
Forest Isle Lane and Orchard Lane	7	66,599	3,700	21	3150	6,850
Riverside Road and Buena Park Rd	11	59,042	3,280	26	3900	7,180
Tichigan Bays	1-3	40,930	2,274	26	3900	6,174
Burma Road Bays	12,13	14,807	823	19	2850	3,673
River Bay Rd	5	115,492	6,416	47	7050	13,466
Linda's Canal	4	-	-	18	2700	2,700
Heidelberg Circle	14	18,881	1,049	8	1200	2,249
		472,276	26,238	239	35850	62,088
TOTALS		1,121,124	62,285	580	87,000	149,285



Waterford Waterway Management District
Small Scale Dredging Project

Physical Description of Areas to Be Dredged:

Elm Island Bay & Fowlers Bay

From 4622 Empire Lane *East* to 4732 N River Bay Road
From 28811 Elm Island Drive *West* to 29333 Elm Island Dr
From 28910 Elm Island Drive *West* to 29030 Elm Island Dr
From 5020 Elm Island Circle *Northwest* to 4946 Elm Island Circle
Excludes 4920 Elm Island Circle North to 4944 Elm Island Circle
From 4918 Elm Island Circle *South* to 4800 Elm Island Circle

Buena Lake

From 4735 Riverside Road *North* to 4901 Riverside Road
From 4909 Riverside Road *North* to 5239 Riverside Road
From 5409 Scenery Drive *North* to 5737 Scenery Drive
From 5724 Peninsula Drive *W South* to 5401 Peninsula Drive W
From 5729 Peninsula Drive *E South* to 5405 E Peninsula Drive E

Island View Bay (50 Properties, 2,500 CY per year)

From 28702 Gawin Dr *West* to 28712 Gawin Dr
From 5718 Island View Dr *Southeast* to 5633 Island View Ct
From 28810 Wood Dr *East* to 28713 Wood Dr
From 5700 N River Bay Rd *North* to 5962 N River Bay Rd

Conservancy Bay to Mouth of Tichigan Lake

From 29214 Forest Isle Lane *West* to 29314 Forest Isle Lane (Includes Dickinson Ln)
From 29318 Orchard Land *West* to 29429 Riverview Lane
From 6732 Channel Road *South* to 6400 Channel Road
From 6401 Tichigan Road N *Northeast* to 6437 Tichigan Road N
From 29205 White Oak Lane *East* to 29134 White Oak Lane
6522 Buena Park Rd
From 6601 Riverside Dr *Southwest* to 6301 Riverside Rd

Tichigan Bays

From 6411 Willow Ln *North* to 6621 Willow Ln (includes Willow Ct)
From 29129 Beechwood Ln *East* to 29103 Beechwood Ln

Burma Road Bays



From 6824 Burma Rd *South* to 6704 Burma Rd
From 28636 Beach Dr *West* to 6725 Irma Ln (Includes Irma Ct)

East River Bay Road Bays

From 6472 Blue Heron Point Dr *South* to 6422 Blue Heron Point Dr
From 6320 Crane Ct *South* to 6300 Crane Ct
From 6240 Briarwood Cir *Southeast* to 28801 Briarwood Cir
From 6520 Washington Rd *East* to 6425 Washington Rd
From 6328 River Bay Rd *South* to 6212 River Bay Rd N

War Bonnet Lane & Back Side of Island View Ct (9 Properties, 450 CY per year)

From 28967 War Bonnet Lane *South* to 29031 War Bonnet Lane (Excludes
From 5710 Island View Ct *East* to 5618 Island View Ct

Fox Isle Condos & Marina Cove Condos

300 Foxwood Dr *North* to 400 Fox Isle Park
From 230 Milwaukee Ct N *North* to 636 Oak Lodge Road (includes Marina Ct)

What About Linda's Canal (16 Properties, 800 CY per year)

From 6645 Heidelberg Circle *South* to 6601 Heidelberg Cir
From 28837 Beach Dr *South* to 28837 Beach Dr
From 6632 Canal Ln *South* to 6600 Canal Ln

Heidelberg Court (8 Properties, 400 CY per year)

From 6616 Heidelberg Court *South* to 6504 Heidelberg Court