

FINAL PROPOSED REVISIONS FROM MNDNR ON DECEMBER 18, 2017

Edgewater Bay			
Dredge Volume (CY)			
Area	Feb. 2017 Permit Application	Dec. 18, 2017 Redesign	
Area 1	23,005	5,000	
Area 2	37,135	14,000	
Area 3	219,973	199,000	
Area 4	135,351	182,000	
Area 5	163,613	165,000	
Area 6	56,152	41,000	change
TOTAL	635,229	606,000	(29,229)

0 150 300 600
SCALE IN FEET

1205.3 DESIGN DREDGE ELEVATION
1205.3 - 1204.3 DREDGE ELEVATION RANGE

FOUNTAIN LAKE SHORELINE
DREDGE AREA TRANSITIONS

30' SHORELINE OFFSET
50' SHORELINE OFFSET
75' SHORELINE OFFSET
100' SHORELINE OFFSET
150' SHORELINE OFFSET

ADDITIONAL DEEP DREDGE AREA
INTERIOR DREDGE AREA
STORMSEWER OUTLET

- NOTES:
- OUTLET DAM CREST ELEVATION 1214.3 FT NGVD29 (1214.37 NAVD88).
 - ALL SHORELINE OFFSETS ARE MEASURED FROM THE SHORELINE AT AN ELEVATION OF 1214.3 FT (DAM CREST ELEVATION).
 - NO DREDGING ALLOWED IN THE SPECIFIED OFFSET AREAS OR BELOW THE SLOPE GRADES ALONG THE SHORELINE. EXCEPT FOR SHORELINE OFFSETS AND SHORELINE SLOPE AREAS, ACTUAL DREDGE DEPTHS MAY BE SHALLOWER DEPENDING ON OBSERVED CONDITIONS DURING DREDGING. NOTIFY ENGINEER IF NATURAL LAKE BOTTOM IS OBSERVED ABOVE THE DESIGN DREDGE DEPTH.
 - ALL DREDGE VOLUMES AND AREAS ARE ESTIMATES. ISSUED FOR BID DRAWINGS WILL ESTABLISH FINAL BOUNDARIES WITHIN THE SPECIFIED TOLERANCES.
 - LAKE ACCESS FOR EDGEWATER BAY FROM HIGHWAY 13 BOAT RAMP.
 - CONTRACTOR STAGING AREA IN EDGEWATER PARK.
 - STORMSEWER OUTLET LOCATIONS ARE APPROXIMATE.
 - ADDITIONAL SEDIMENT CORE SAMPLING MAY BE PERFORMED TO AMEND DREDGE DEPTHS.

- SOURCE NOTES:
- COORDINATE SYSTEM IS NAD 83 FREEBORN COUNTY, MINNESOTA COUNTY SYSTEM (US FEET)
 - VERTICAL DATUM IS NAVD 88
 - BACKGROUND SOURCE DATA REFERENCE FILE FROM CITY OF ALBERT LEA, "AERATOR DWG"
 - STREET INFORMATION FROM MINNESOTA GEOSPATIAL COMMONS, ROADS, MINNESOTA, 2012.
 - DREDGE AREAS AND VOLUME SURFACE DATA PROVIDED BY STORMWATER SOLUTIONS ENGINEERING ON 01/10/17.

AREA 1
DREDGE VOLUME = ~5,000 CY
NO DREDGE AREA = ~4 ACRES

AREA 2
DREDGE VOLUME = ~14,000 CY
NO DREDGE AREA = ~1 ACRES

AREA 3
DREDGE VOLUME = ~199,000 CY
NO DREDGE AREA = ~7 ACRES

AREA 4
DREDGE VOLUME = ~182,000 CY
NO DREDGE AREA = ~6 ACRES

AREA 5
DREDGE VOLUME = ~165,000 CY
NO DREDGE AREA = ~6 ACRES

AREA 6
DREDGE VOLUME = ~41,000 CY
NO DREDGE AREA = ~5 ACRES

6.			
5.			
4.			
3.			
2.			
1.	FINAL PROPOSED REVISIONS TO MNDNR	12/15/17	RCW
0.	ISSUED FOR MNDNR PUBLIC WATERS WORK PERMIT	01/20/17	AMM
REVISION:	DATE:	APP'D BY:	



PROJECT NO. 2248/5.0
DRAWN BY: RCW 12/14/17
CHECKED BY: RHW 12/14/17
APPROVED BY: RHW 12/15/17

EDGEWATER BAY - DREDGE AREAS AND VOLUMES

SHELL ROCK RIVER WATERSHED DISTRICT
FOUNTAIN LAKE RESTORATION PROJECT
ALBERT LEA, MINNESOTA

DRAWING NO: SHI 4_EDGEWATER BAY DREDGE AREAS_PROPOSED CHANGES.DWG
REFERENCE: SEE INFO BLOCK

SHEET NO. 4

Dec 20, 2017 9:23am PLOTTED BY: Woodruff, W. SAVED BY: Woodruff, W.
 Y:\Mapping\Projects\2248\2248\CAD\5-0\Sheets\Proposed Changes\Sheet 4_Edgewater Bay Dredge Areas_PROPOSED CHANGES Rev 1.dwg Layout
 IMAGES: Y:\Mapping\Projects\2248\2248\CAD\5-0\Reference\Xref_Dredge Design 170111.dwg
 XREFS: Y:\Mapping\Projects\2248\2248\CAD\5-0\Reference\Xref_Dredge Design 170111.dwg