

**BREAKWATER CONSTRUCTION**  
Recommended

**DREDGING LAKE APPROACH TO 29 FEET IN SOFT MATERIAL AND 30 FEET IN HARD MATERIAL**  
Recommended

**DREDGING OUTER HARBOR AND LOWER RIVER TO 28 FEET IN SOFT MATERIAL AND 29 FEET IN HARD MATERIAL**  
Recommended

**DREDGING OUTER HARBOR TO 21 FEET IN SOFT MATERIAL AND 22 FEET IN HARD MATERIAL**  
Not Recommended

**BREAKWATER CONSTRUCTION**  
Recommended

**BREAKWATER REMOVAL**  
Recommended

**DREDGING OUTER HARBOR TO 25 FEET IN SOFT MATERIAL AND 26 FEET IN HARD MATERIAL**  
Recommended

**PIER REMOVAL**  
Recommended

**DREDGING RIVER AND CUT NO. 1 TO 27 FEET IN SOFT MATERIAL AND 28 FEET IN HARD MATERIAL**  
Recommended

**BRIDGE REPLACEMENT (205 FEET CLEAR SPAN NORMAL TO CHANNEL)**  
Recommended

**DREDGING RIVER, CUT NO. 2 AND CUT NO. 3 TO 27 FEET IN SOFT MATERIAL AND 28 FEET IN HARD MATERIAL**  
Recommended

**DREDGING RIVER, CUT NO. 4 AND CUT NO. 5A TO 27 FEET IN SOFT MATERIAL AND 28 FEET IN HARD MATERIAL**  
Recommended

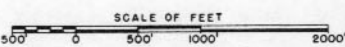
**DREDGING CUT NO. 5B AND A PORTION OF TURNING BASIN TO 21 FEET IN SOFT MATERIAL AND 22 FEET IN HARD MATERIAL**  
Recommended



**LEGEND**

**RECOMMENDED DEPTHS**  
(Soft material) (Hard material)

	29' --- 30'
	28' --- 29'
	27' --- 28'
	25' --- 26'
	21' --- 22'



**NOTES**

- Indicates limits of considered improvements.
- Indicates existing project limits.
- 25 Indicates existing project depths.
- ⊙ Indicates miles above mouth of Black River.
- 22 Indicates sounding.

Soundings are in feet and are referred to Low Water Datum, elevation 570.5 feet above Mean Tide at New York City.

**LORAIN HARBOR, OHIO**  
**DETAILS OF CONSIDERED IMPROVEMENTS**  
SCALE AS SHOWN  
U.S. ARMY ENGINEER DISTRICT, BUFFALO, AUGUST 22, 1958  
SUBMITTED: \_\_\_\_\_ RECOMMENDED: \_\_\_\_\_ APPROVED: \_\_\_\_\_  
\_\_\_\_\_  
CHIEF, PLANNING & REPORTS BRANCH  
\_\_\_\_\_  
CHIEF, ENGINEERING DIV. COL., CORPS OF ENGINEERS  
DRAWN: A.T.W. TO ACCOMPANY THE GREAT LAKES HARBORS STUDY  
TRACED: J.J.N. INTERIM REPORT ON LORAIN HARBOR, OHIO  
CHECKED: R.G. DATED: 25 AUGUST 1958