



**US Army Corps  
of Engineers®**

Detroit District  
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# Notice to Navigation Interests

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Notice No. L04-49

Date: 4 AUGUST 2004

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Waterway: LAKE MICHIGAN

Location: MICHIGAN

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CELRE-OT-T

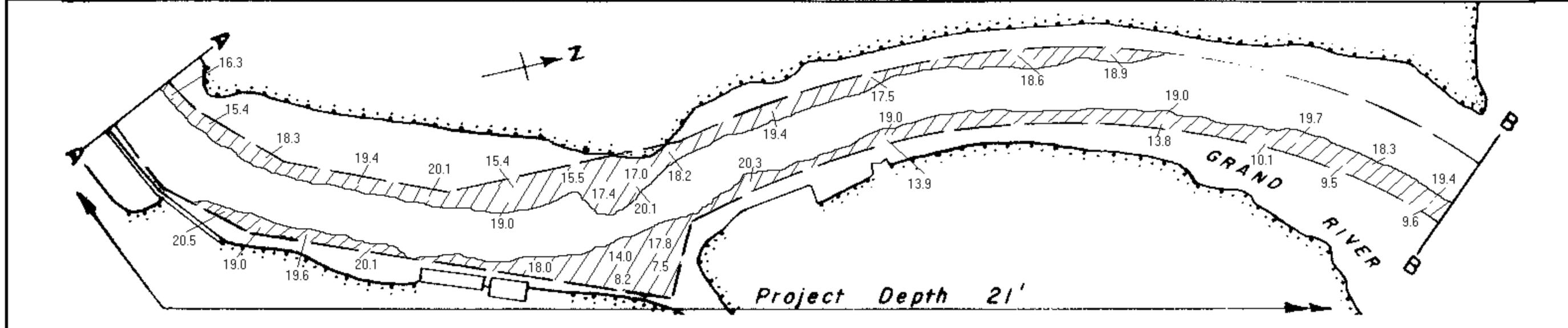
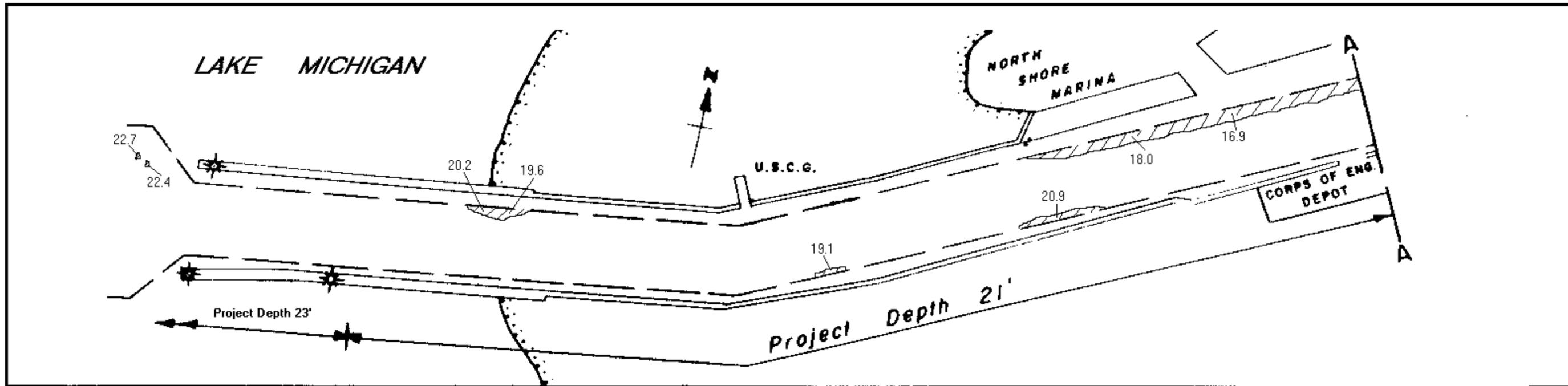
CONDITION OF FEDERAL NAVIGATION CHANNEL  
GRAND HAVEN HARBOR

1. Condition surveys performed within the Federal navigation channel at Grand Haven Harbor, Michigan during April, June 2004, indicate shoaling as shown on the following sheets.
2. Mariners are urged to use extreme caution in the area.
3. All inquiries should be addressed to CELRE-OT-T and should refer to Notice to Navigation Interests No. L04-49. Internet address: <http://www.lre.usace.army.mil> Go to: Detroit Home Page, Who We Are, Operations Home Page.

DONALD P. LAUZON  
Lieutenant Colonel, U.S. Army  
District Engineer

Notice to the Postmaster:

It is requested that the above notice be conspicuously and continuously posted until November 30, 2004.



All soundings are referenced to IGLD, 1985 for Lake Michigan, elevation 577.5 ft. above Mean Sea Level at Rimouski, Quebec. Hydraulic corrector of 0.3 ft. applied.

The information depicted on this map represents the results of surveys made on the date indicated and can only be considered as indicating the general conditions existing at that time.



Shoals indicate least available depth below LWD

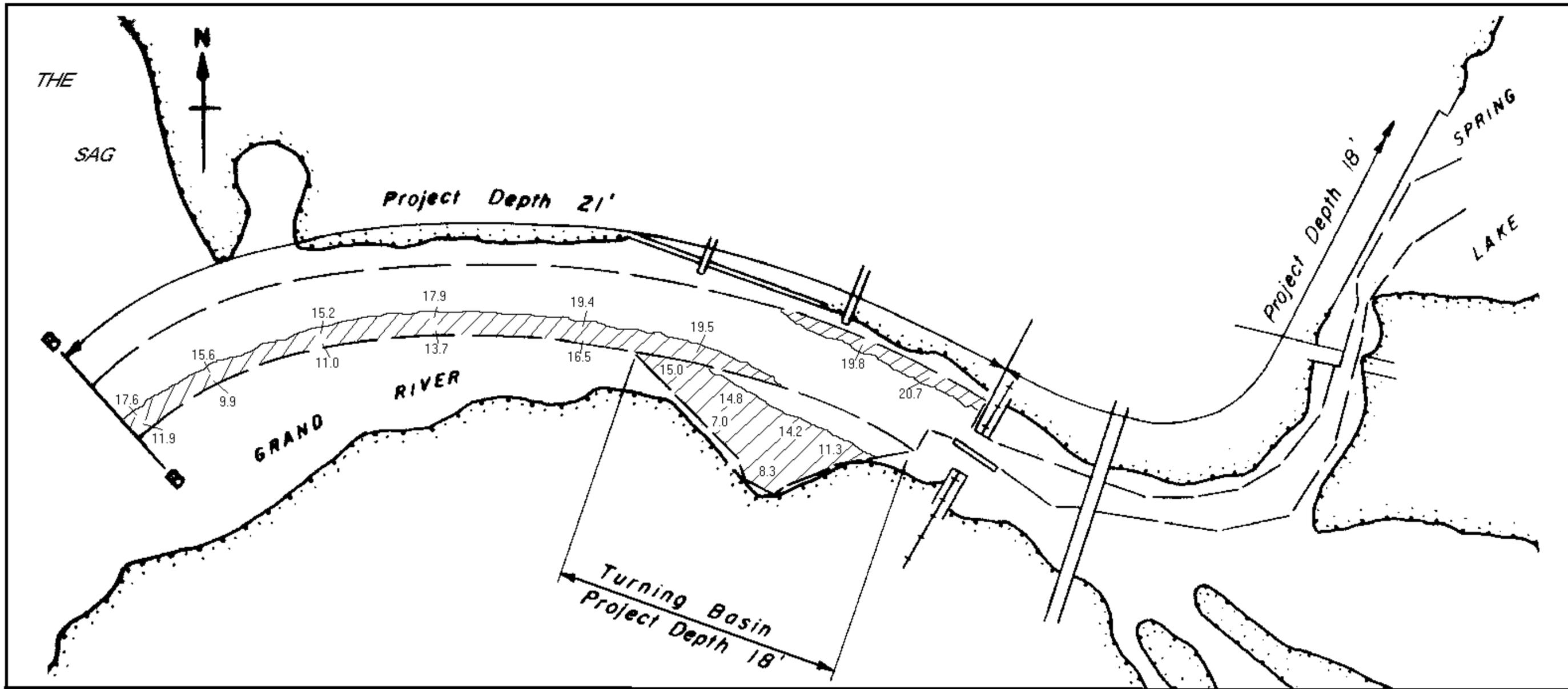
Surveys taken: APRIL, JUNE 2004

## GRAND HAVEN HARBOR, MICHIGAN

CONDITION OF CHANNEL

ISSUED: 4 AUGUST 2004

U.S. Army Engineer District, Detroit



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The information depicted on this map represents the results of surveys made on the date indicated and can only be considered as indicating the general conditions existing at that time.



Shoals indicate least available depth below LWD

Surveys taken: June 2004

## GRAND HAVEN HARBOR, MICHIGAN

CONDITION OF CHANNEL

ISSUED: 4 AUGUST 2004

U.S. Army Engineer District, Detroit