STEAMBOAT RAPID

MURPHYS RAPID

KETTLE FALLS.

Lower Fall

Upper Fall

Shoal water

Shoal

H.W.

Reef

HAYES ISLAND

Spring

Lesher's Ranch

LESHER'S ISLAND

HIGH WATER CHANNEL CREEK

MISSION

KETTLE FALLS.

EXAMINATION OF UPPER COLUMBIA RIVER

FROM GRAND RAPIDS TO THE INTERNATIONAL BOUNDARY.

Prepared under direction of Major J. B. CAVANAUGH, Corps of Engineers, U.S. Army, by Capt. A. R. Ehrnbeck, Corps of Engineers, U.S.A.

Scale of Detail Maps – 1" = 600'.

R. 100 0 1 2 3 4 500 6 7 8 9 1000 11 12 13 14 1500 FT.

IN TWO SHEETS,- SHEET No 2.

Soundings are in feet and are referred to the low water stage of the river.

House Doc. No. 1112 ; 63d Cong., 2d Sess.

H. Doc. 63-1112 Map 2 Pg. 1 of 5

PINGSTONES RAPIDS

H. W.

282 cuyds.

18

73 cuyds.

21

19 cuyds.

30

36

24

18

15

58 cuyds.

)SEPHS RAPID

H. W.

WATER CHANNEL

33

28

15

12

12

15

BISHOPS BAR.

Steamboat Rock

STEAMB

18

35

35

36

36

35

30

29

23

23

Mud flat.

33

36

27

27

90

90

80

60

60

60

72 48 25

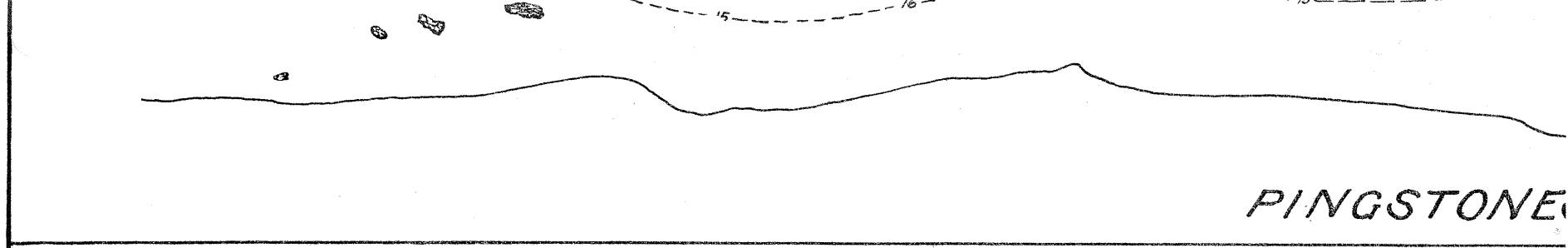
Sheep Creek

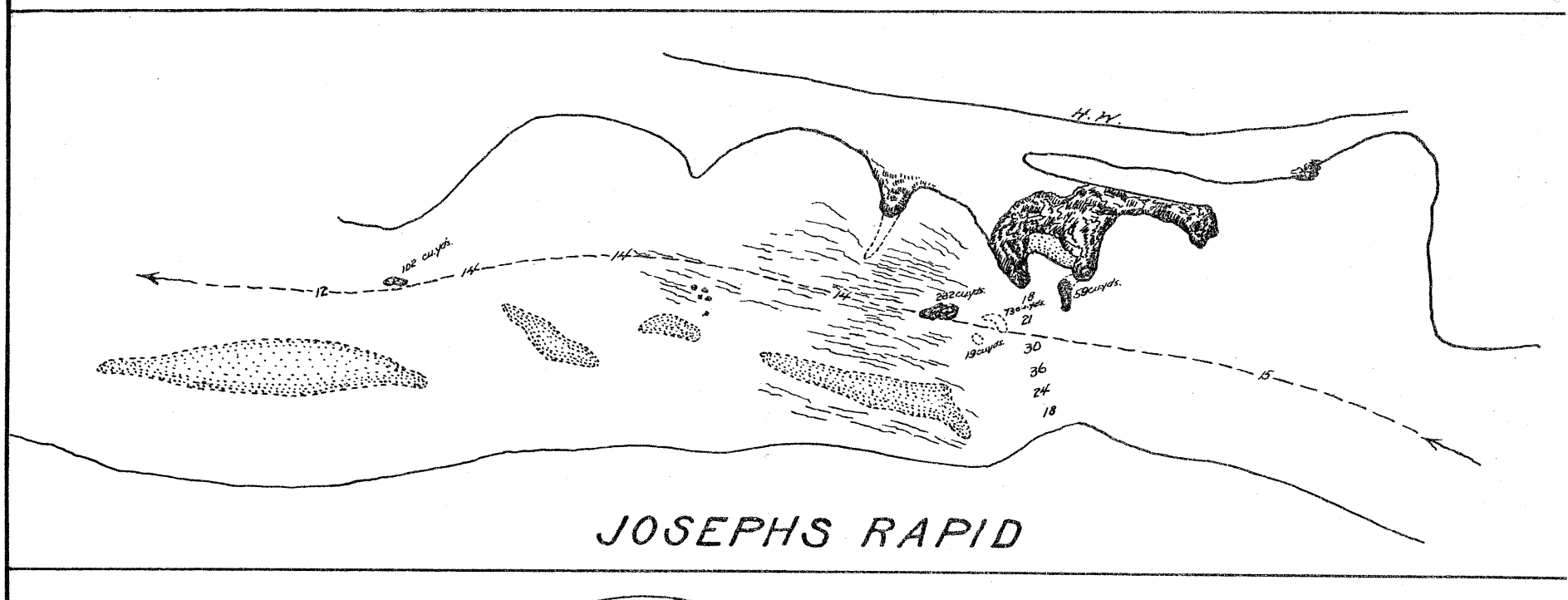
MAIN CHANNEL AT HIGH WATER

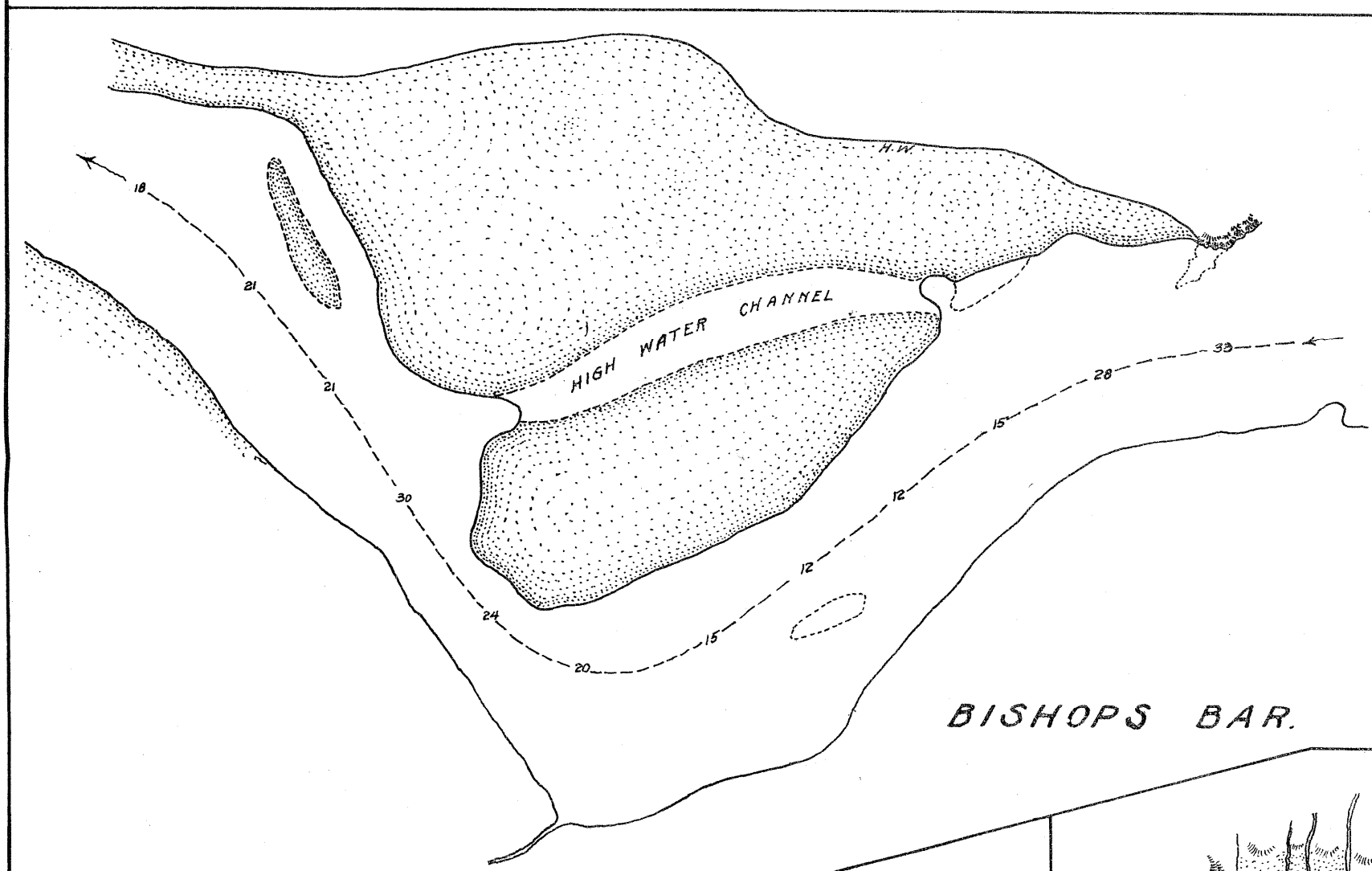
Deep Creek

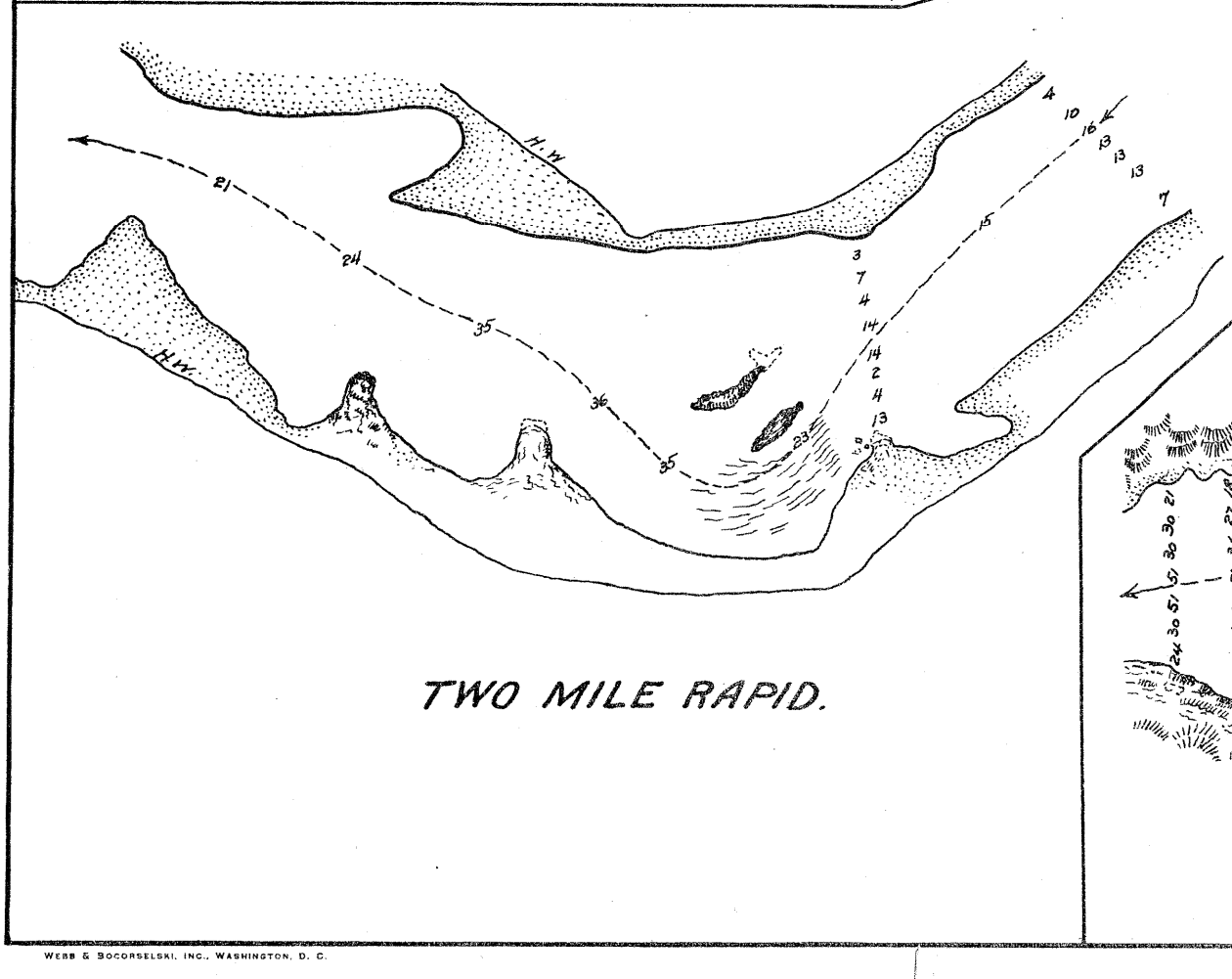
SHEEP CREEK BEND.

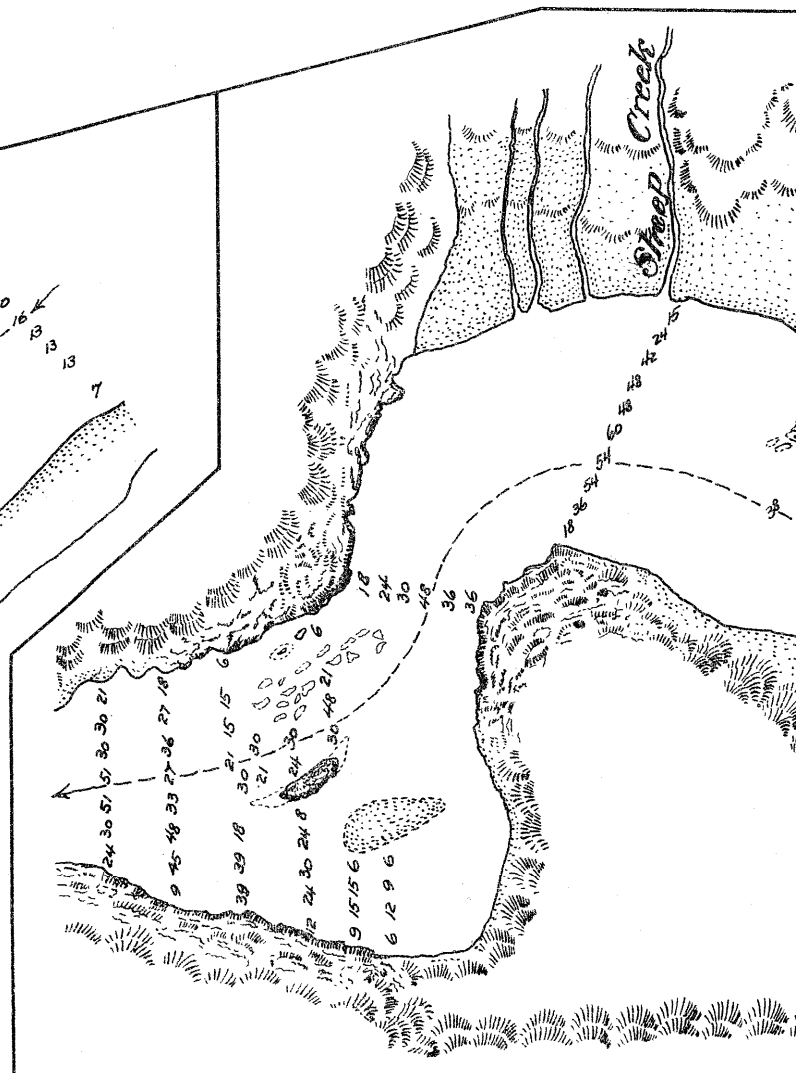
Map 2, Pg 265











WEBB & SOCORSELSKI, INC., WASHINGTON, D. C.

Map 2 Pg. 3 of 5

Indian Cabins

H.W.

15 14 14 12 12 14 12 12

H.W.

PINGSTONES RAPIDS

Shoal water

Shoal

STEAMBOAT RAPID

Steamboat Rock

Mud flat

MURPHYS RAPID

KETTLE FALLS.

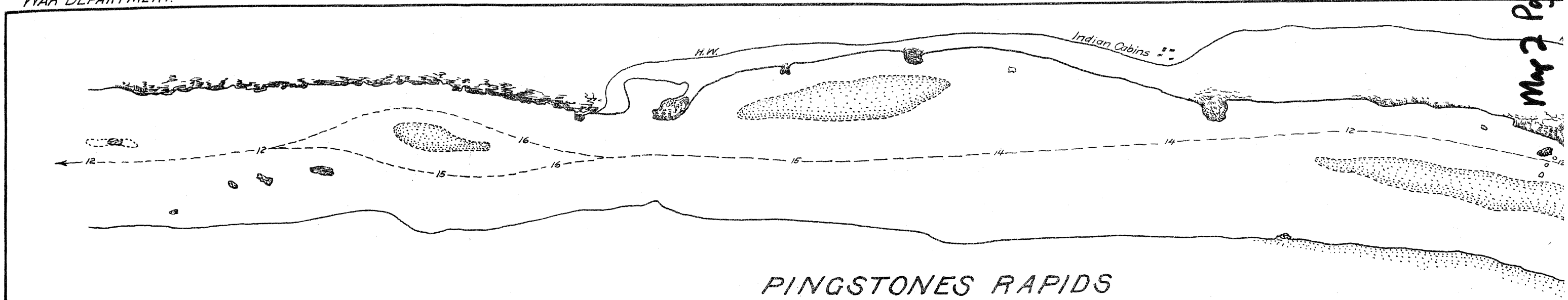
Upper Fall

Lower Fall

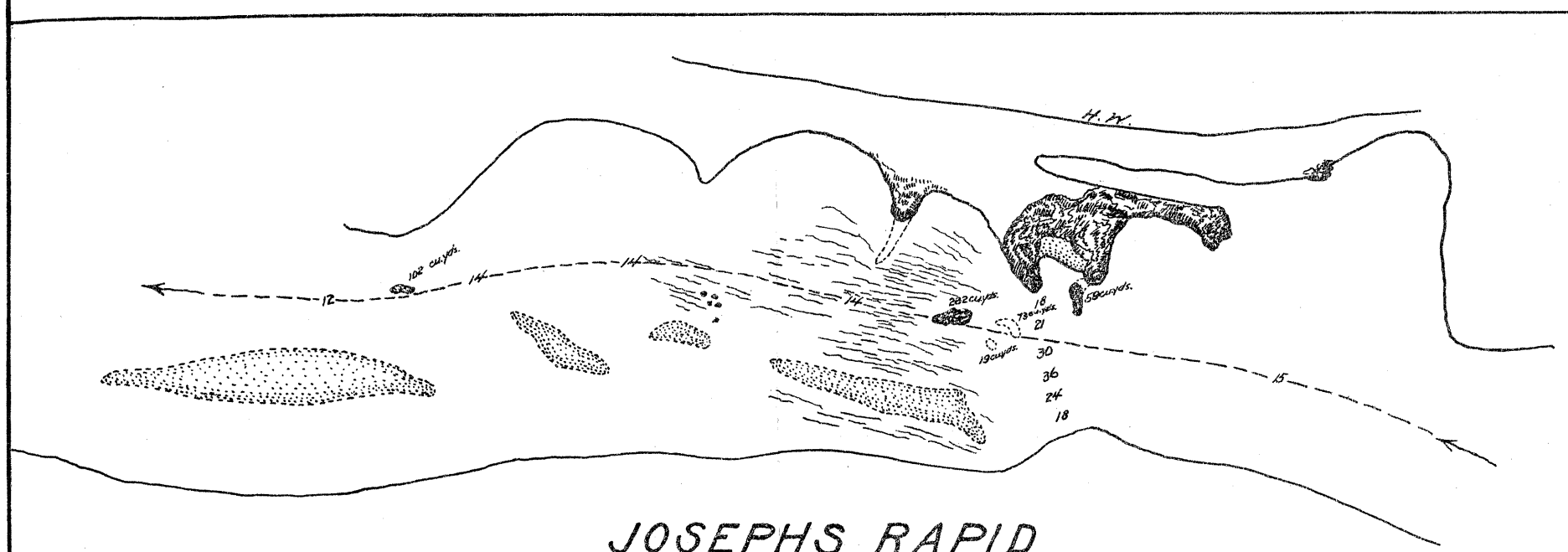
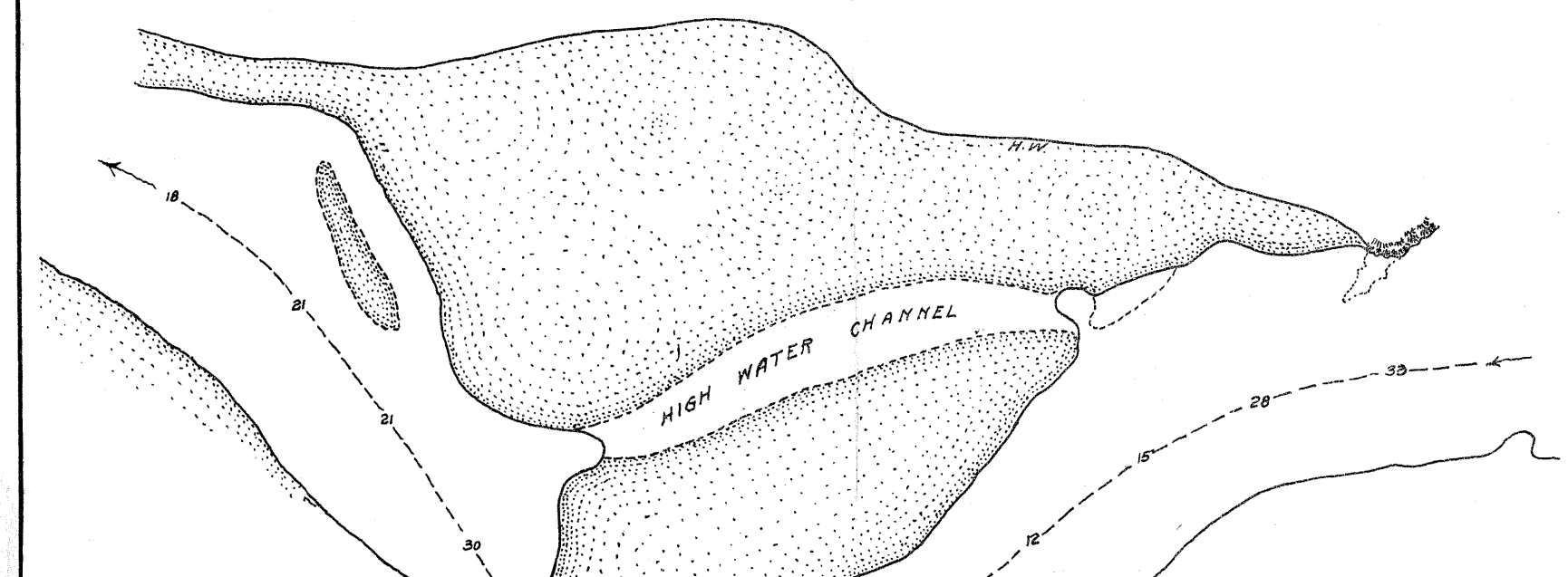
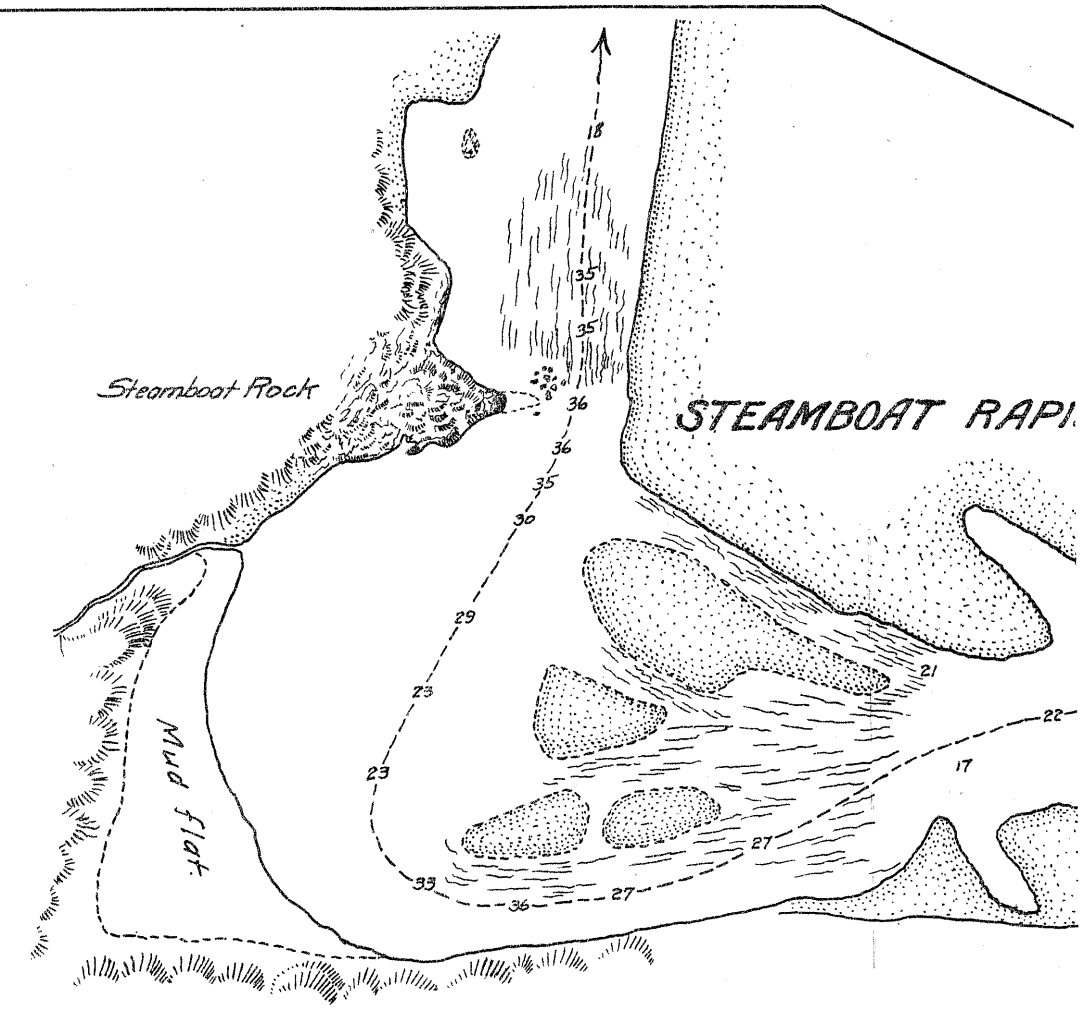
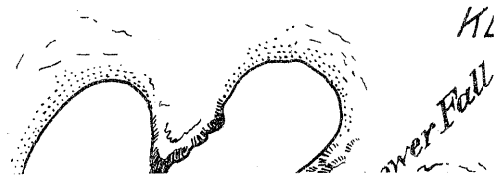
Mud 2 pg. 4 of 5

WAR DEPARTMENT.

May 2 Pg. 545



PINGSTONES RAPIDS



JOSEPHS RAPID