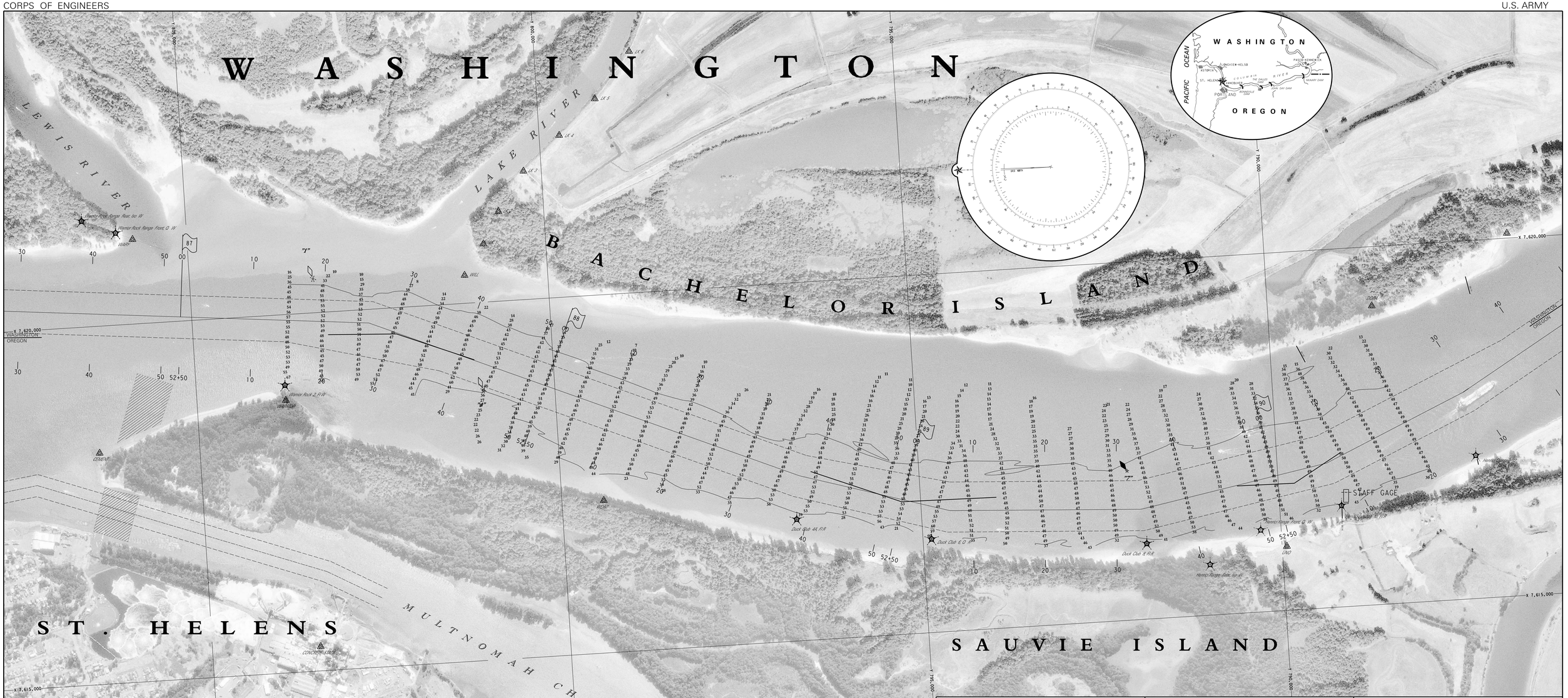

NOTES

Control is by USACE and NOS-C&GS.
Coordinates are based on the Lambert Projection for Oregon, North Zone (NAD 83, U.S. Survey Feet).
Datum in Columbia River Datum (CRD) is 0.98 feet above National Geodetic Vertical Datum at Columbia River Mile 90.2 (1947 adjustment).
Soundings are shown in feet and indicate depths below CRD.
Elevations are shown thus: +2, indicating height in feet above CRD.
The CRD plane is shown thus:
The project depth curve is shown thus:
Reference is Navigation Chart No. 18524.
River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basins Commission, July 1972.

Aerial Photography taken in 2001 by U.S.G.S.

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

■ CONDITION □ PREDREDGE □ POSTDREDGE

LEGEND

Primary Control Point
Coordinated Survey Points
Uncoordinated Survey Points
Dredging Ranges — Front, Rear
River Mileage from Mouth
Flow Arrows — Straight, Tidal
Harbor Line
State Boundary
Benchmarks
Gages — Staff, Recording
Aids to Navigation
Lighthouses
Lights — Front, Rear
Lighted Ranges
Lighted Buoys
Unlighted Buoys
Daybeacons
Seasonal Lights and Lighted Dredging Ranges

COLUMBIA AND LOWER WILLAMETTE RIVERS
BELOW VANCOUVER, WASH. AND PORTLAND, OREG.

COLUMBIA RIVER
WARRIOR ROCK BAR
1 APRIL 2008

SCALE IN FEET: 500 0 500 1000 1500 2000

U.S. ARMY ENGINEER DISTRICT, PORTLAND
OPERATIONS DIVISION

SUBMITTED
RECOMMENDED
CHIEF, SURVEY SECTION
SURVEYED: JRK PLOTTED: MBL CHECKED: MRL

APPROVED
CHIEF, WATERWAYS MAINTENANCE SECTION

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CL-87-330