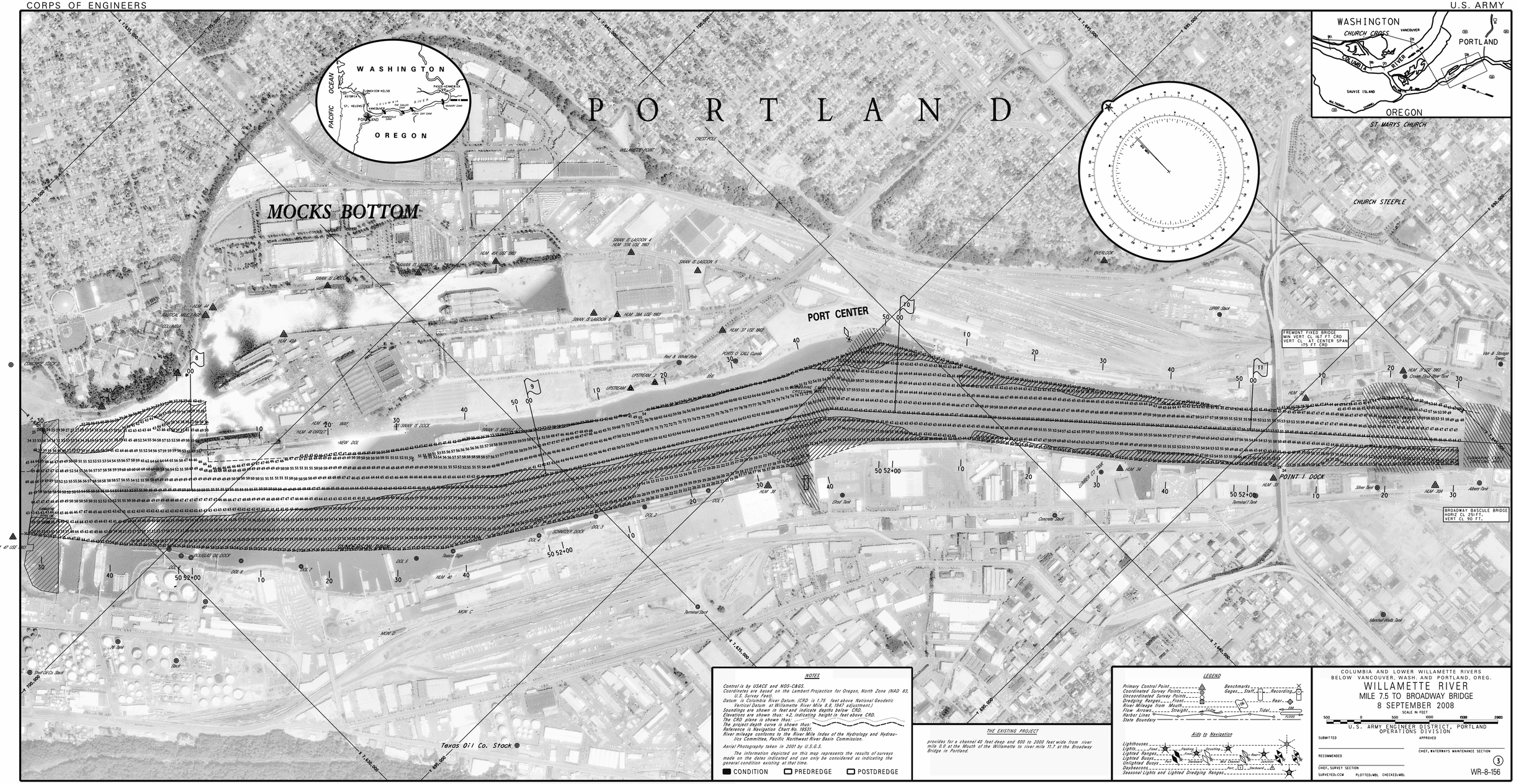
CORPS OF ENGINEERS

U.S. ARMY




## 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 is Columbia River Datum. (CRD is 1.75 feet above National Geodetic Vertical Datum at Willamette River Mile 8.6, 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. 18531.
River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basin Commission.

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

## THE EXISTING PROJECT

provides for a channel 40 feet deep and 600 to 2000 feet wide from river mile 0.0 at the Mouth of the Willamette to river mile 11.7 at the Broadway Bridge in Portland.

## LEGEND

Primary Control Point
Coordinated Survey Points
Uncoordinated Survey Points
Dredging Ranges — Front — Rear
River Mileage from Mouth
Flow Arrows — Straight — Tide — Tidal — Ebb — Flood
Harbor Lines
State Boundary
Benchmarks
Gages — Staff — Recording

### Aids to Navigation

Lighthouses
Lights — Fixed — Flashing — Occulting
Lighted Ranges — Front — Rear
Lighted Buoys — Red — Black — Mid Channel — Junction
Unlighted Buoys — Port — Starboard
Daybeacons
Seasonal Lights and Lighted Dredging Ranges

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

# WILLAMETTE RIVER

## MILE 7.5 TO BROADWAY BRIDGE

8 SEPTEMBER 2008

SCALE IN FEET

500 0 500 1000 1500 2000

U.S. ARMY ENGINEER DISTRICT, PORTLAND
OPERATIONS DIVISION

SUBMITTED

APPROVED

RECOMMENDED

CHIEF, WATERWAYS MAINTENANCE SECTION

CHIEF, SURVEY SECTION

SURVEYED: CCM PLOTTED: MBL CHECKED: MBL

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WR-8-156

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