LEGEND

Primary Control Point
Coordinated Survey Points
Uncoordinated Survey Points
Dredging Ranges — Front
River Mileage from Mouth
Flow Arrows — Straight
Harbor Lines
State Boundary

Benchmarks
Gages — Staff — Recording
Rear
Tidal
Flow
Tide
Flood

Aids to Navigation

Lighthouses
Lights — Fixed
Lighted Ranges — Front
Lighted Buoys — Port
Unlighted Buoys
Daybeacons
Seasonal Lights and Lighted Dredging Ranges

Flashing — Occulting
Rear
Mid Channel — Junction
Port — Starboard

THE EXISTING PROJECT

provides for a channel *27 feet deep and 300 feet wide from the Interstate Highway Bridge at river mile 106.6 to the port terminal facilities at The Dalles at river mile 189.7.

*The 27 foot channel is presently maintained at 17 feet.

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 5.62 feet above National Geodetic Vertical Datum at Columbia River Mile 138.0, 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 Basins 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

COLUMBIA RIVER BETWEEN VANCOUVER, WASH. AND THE DALLES, OREG.

COLUMBIA RIVER
MULTNOMAH FALLS UPPER RANGE

1 JULY 2008

SCALE IN FEET
500 0 500 1000 1500 2000

U.S. ARMY ENGINEER DISTRICT, PORTLAND
OPERATIONS DIVISION

SUBMITTED

RECOMMENDED

CHIEF, SURVEY SECTION

APPROVED

CHIEF, WATERWAYS MAINTENANCE SECTION

9

SURVEYED: CCM PLOTTED: MBL CHECKED: MBL

CL-138-46

DISTRIBUTION COPY