CORPS OF ENGINEERS

U.S. ARMY

# WASHINGTON

PIERCE ISLAND

HAMILTON ISLAND

IVES ISLAND

Warrendale Lower Range Rear E Int ▼

Multnomah Falls Upper Range Front Ok Ft ▼

Warrendale Lower Range Front Ok Ft ▼

Multnomah Falls Upper Range Rear E Int ▼

McGowans 88 Ft ▼

Warrendale Upper Range Front Ok Ft ▼

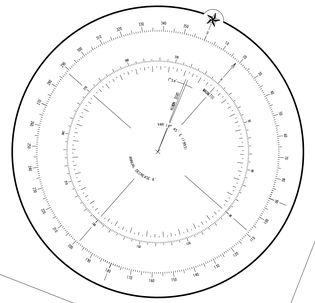
Warrendale Upper Range Rear E Int ▼

Moffets Creek 92 Ft ▼

DODSON

WARRENDALE

OREGON



## THE EXISTING PROJECT

provides for a channel 27 feet deep and 300 feet wide from the Interstate Highway Bridge at river mile 106.8 to the port terminal facilities at The Dalles at river mile 189.7.

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

## 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
EBB
FLOOD

### Aids to Navigation

Lighthouses
Lights — Fixed, Flashing, Occulting, Quick Flashing, Isophase
Lighted Ranges — Front, Rear
Lighted Buoys — Buoy, Can, Nun, Spar, Lighted Whistle, Lighted Bell
Unlighted Buoys — Buoy, Can, Nun, Spar
Daybeacons — Buoy, Can, Nun, Spar, Junction, Daymark
Seasonal Lights and Lighted Dredging Ranges — Port, Starboard

## NOTES

Control is by USACE and NOS-C&GS.
Coordinates are based on the Lambert Projection for Oregon, North Zone (NAD 27).
Datum is Columbia River Datum. (CRD is 5.86 feet above National Geodetic Vertical Datum at Columbia River Mile 142.0, 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.

*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
## WARRENDALE CHANNEL
## 4 NOVEMBER 2003

SCALE IN FEET
500 0 500 1000 1500 2000

U.S. ARMY ENGINEER DISTRICT, PORTLAND
OPERATIONS DIVISION

SUBMITTED

CHIEF, HYDROGRAPHIC SURVEYS RECOMMENDED

CHIEF, WATERWAYS MAINTENANCE SECTION

SURVEYED: ACS PLOTTED: ACW CHECKED: DRP

APPROVED

OPERATIONS MANAGER, CHANNELS AND HARBORS PROJECT

10

CL-142-42

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