WASHINGTON
OREGON
FITZPATRICK ISLAND
GRASSY ISLAND
WOODY ISLAND
STAFF GAGE
Pillar Rock Upper Range Front, O R
Pillar Rock Upper Range Rear, Iso R
Pillar Rock Lower Range Front, Fl W
Pillar Rock Lower Range Rear, Iso W
ANNE
MUCK 2
TEMPOR
WASHINGTON
OREGON
PACIFIC OCEAN
LEGEND
Primary Control Point
Coordinated Survey Points
Uncoordinated Survey Points
Dredging Ranges
River Mileage from Mouth
Flow Arrows
Harbor Lines
State Boundary
Benchmarks
Gages
Staff
Recording
Rear
Tidal
Aids to Navigation
Lighthouses
Lights
Lighted Ranges
Lighted Buoys
Unlighted Buoys
Daybeacons
Seasonal Lights and Lighted Dredging Ranges
Fixed
Flashing
Occulting
Front
Rear
Port
Starboard
Mid Channel
Junction
THE EXISTING PROJECT
provides for a channel 40 feet deep and 600 feet wide from deep water in the Columbia River Entrance at river mile 3.0 to river mile 101.4 at the Mouth of the Willamette River.
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 2.43 feet below National Geodetic Vertical Datum at Columbia River Mile 33.7, 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. 18523.
River mileage conforms to the River Mile Index of the Hydrology and Hydraulics Committee, Pacific Northwest River Basin 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
COLUMBIA AND LOWER WILLAMETTE RIVERS
BELOW VANCOUVER, WASH. AND PORTLAND, OREG.
COLUMBIA RIVER
BROOKFIELD-WELCH ISLAND REACH
31 MARCH 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
8
CL-28-344
SURVEYED: HWF PLOTTED: MBC CHECKED: MBC