CORPS OF ENGINEERS

U.S. ARMY

WASHINGTON

OREGON

KALAMA RIVER

KALAMA

GOBLE

SANDY ISLAND

ANCHORAGE AREA

WASHINGTON
OREGON

SUBMARINE CABLE CROSSING AREA

TROJAN COOLING STACK

GRAIN DOCK

Kalama Lower Range Front QK FH

Kalama Dike 47 Fl G

Kalama Lower Range Rear E Int R

ELLIS 2

Ahlo Pt 49 QK

Hunter Dike 52 Fl R

Hunter Bar 1 QK Fl

Cable Area

DRIS MOUND

DOW 2

H 26.2

H-28

G28

1,387,333.78
871,665.54
Kalama River 43 FIG

WASHINGTON
PACIFIC OCEAN
OREGON
ASTORIA
ST. HELENS
LONGVIEW-KELSO
KALAMA BAR
LONGVIEW
PORTLAND
VANCOUVER
RAINIER
WILLAMETTE RIVER
COLUMBIA RIVER

VICINITY MAP
STATUTE MILES

LEGEND

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

Benchmarks
Gages — Staff — Recording

Aids to Navigation

Lighthouses
Lights — Fixed — Flashing — Occulting
Lighted Ranges — Front — Rear
Lighted Buoys
Unlighted Buoys
Daybeacons
Seasonal Lights and Lighted Dredging Ranges

NOTES

Control is by USACE and NOS-CAGS.
Coordinates are based on the Lambert Projection for Oregon, North Zone (NAD 83, U.S. Survey Feet).
Datum is Columbia River Datum. (CRD is 0.29 feet above National Geodetic Vertical Datum at Columbia River Mile 75.3, 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.

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 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.

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

COLUMBIA RIVER
KALAMA RANGES
28 APRIL 2004

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 BCF PLOTTED RLH CHECKED DRP

APPROVED

OPERATIONS MANAGER,
CHANNELS AND HARBORS PROJECT

20

CL-73-322

DISTRIBUTION COPY