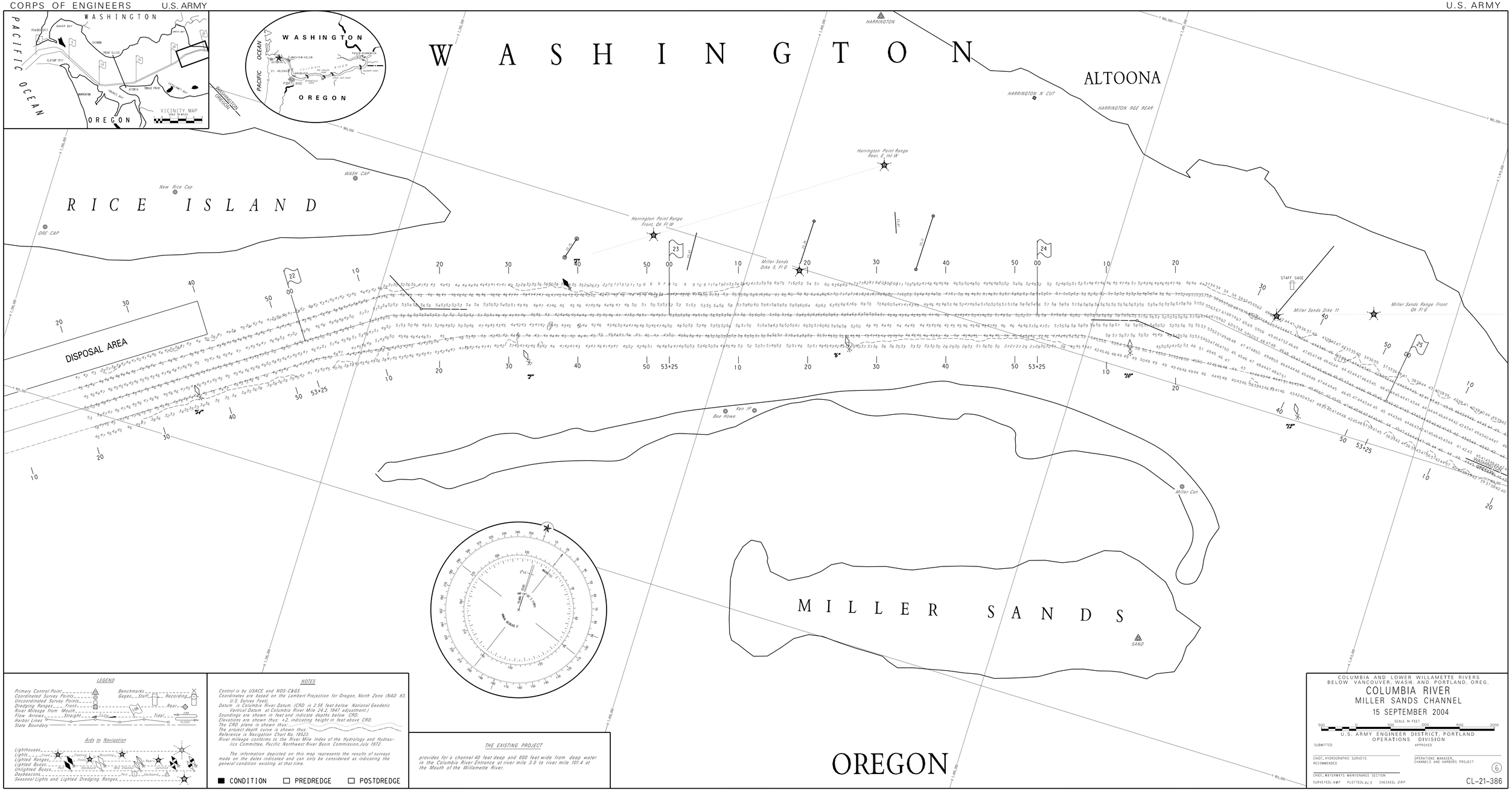
WASHINGTON
PACIFIC OCEAN
OREGON
VICINITY MAP
WASHINGTON
OREGON
PACIFIC OCEAN
WASHINGTON
OREGON
ALTOONA
HARRINGTON
HARRINGTON N CUT
HARRINGTON RGE REAR
Harrington Point Range Rear, E, Int W
Harrington Point Range Front, Qk Fl W
Miller Sands Dike 5, Fl G
Miller Sands Dike 11
Miller Sands Range Front Qk Fl G
STAFF GAGE
RICE ISLAND
New Rice Cap
WASH CAP
ORE CAP
DISPOSAL AREA
Ken IP
Bea Howe
Miller Can
MILLER SANDS
SAND
OREGON
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
Straight
Tidal
Aids to Navigation
Lighthouses
Lights
Lighted Ranges
Lighted Buoys
Unlighted Buoys
Daybeacons
Seasonal Lights and Lighted Dredging Ranges
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 2.56 feet below National Geodetic Vertical Datum at Columbia River Mile 24.2, 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.
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
MILLER SANDS CHANNEL
15 SEPTEMBER 2004
SCALE IN FEET
U.S. ARMY ENGINEER DISTRICT, PORTLAND
OPERATIONS DIVISION
SUBMITTED
APPROVED
CHIEF, HYDROGRAPHIC SURVEYS
RECOMMENDED
OPERATIONS MANAGER, CHANNELS AND HARBORS PROJECT
CHIEF, WATERWAYS MAINTENANCE SECTION
SURVEYED: HWF PLOTTED: ALS CHECKED: DRP
6
CL-21-386