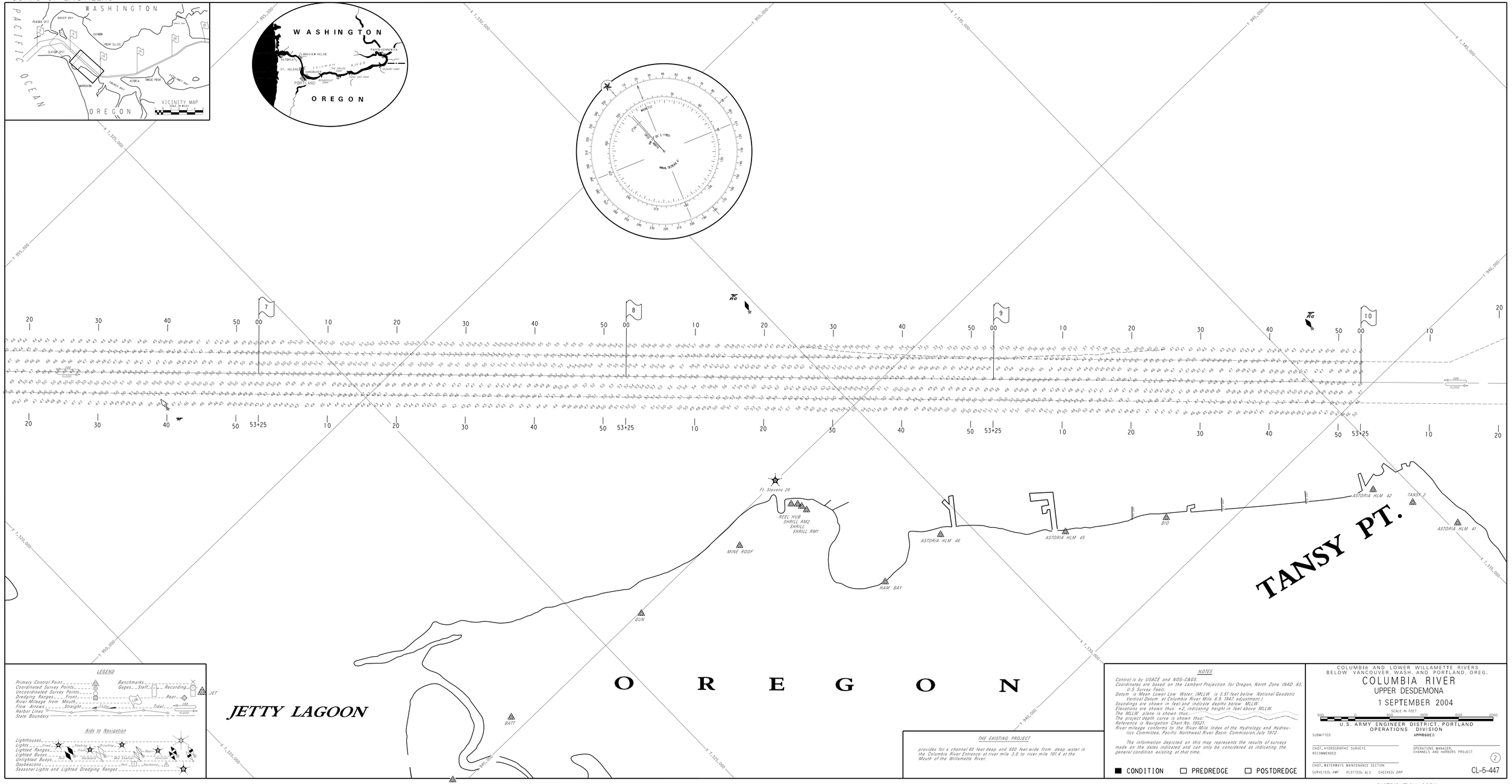
WASHINGTON
PACIFIC OCEAN
OREGON
VICINITY MAP
WASHINGTON
OREGON
LONGVIEW-KELSO
PASCO-KENNEWICK
ASTORIA
ST. HELENS
VANCOUVER
PORTLAND
COLUMBIA RIVER
THE DALLES DAM
BONNEVILLE DAM
JOHN DAY DAM
McNARY DAM
MAGNETIC
ANNUAL DEVIATION 4'
7
8
9
10
53+25
Ft. Stevens 26
REEL HUB
SHRILL RM2
SHRILL
SHRILL RM1
MINE ROOF
ASTORIA HLM 46
ASTORIA HLM 45
BIO
ASTORIA HLM 42
TANSY 2
ASTORIA HLM 41
TANSY PT.
HAM BAY
GUN
BATT
CLAT
O R E G O N
JETTY LAGOON
LEGEND
Primary Control Point
Coordinated Survey Points
Uncoordinated Survey Points
Dredging Ranges
River Mileage from Mouth
Flow Arrows
Harbor Lines
State Boundary
Benchmarks
Gages
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 Mean Lower Low Water. (MLLW is 3.51 feet below National Geodetic Vertical Datum at Columbia River Mile 8.9, 1947 adjustment.)
Soundings are shown in feet and indicate depths below MLLW.
Elevations are shown thus: +2, indicating height in feet above MLLW.
The MLLW plane is shown thus:
The project depth curve is shown thus:
Reference is Navigation Chart No. 18521.
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.
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.
CONDITION
PREDREDGE
POSTDREDGE
COLUMBIA AND LOWER WILLAMETTE RIVERS
BELOW VANCOUVER, WASH. AND PORTLAND, OREG.
COLUMBIA RIVER
UPPER DESDEMONA
1 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: AJS CHECKED: DRP
2
CL-5-447