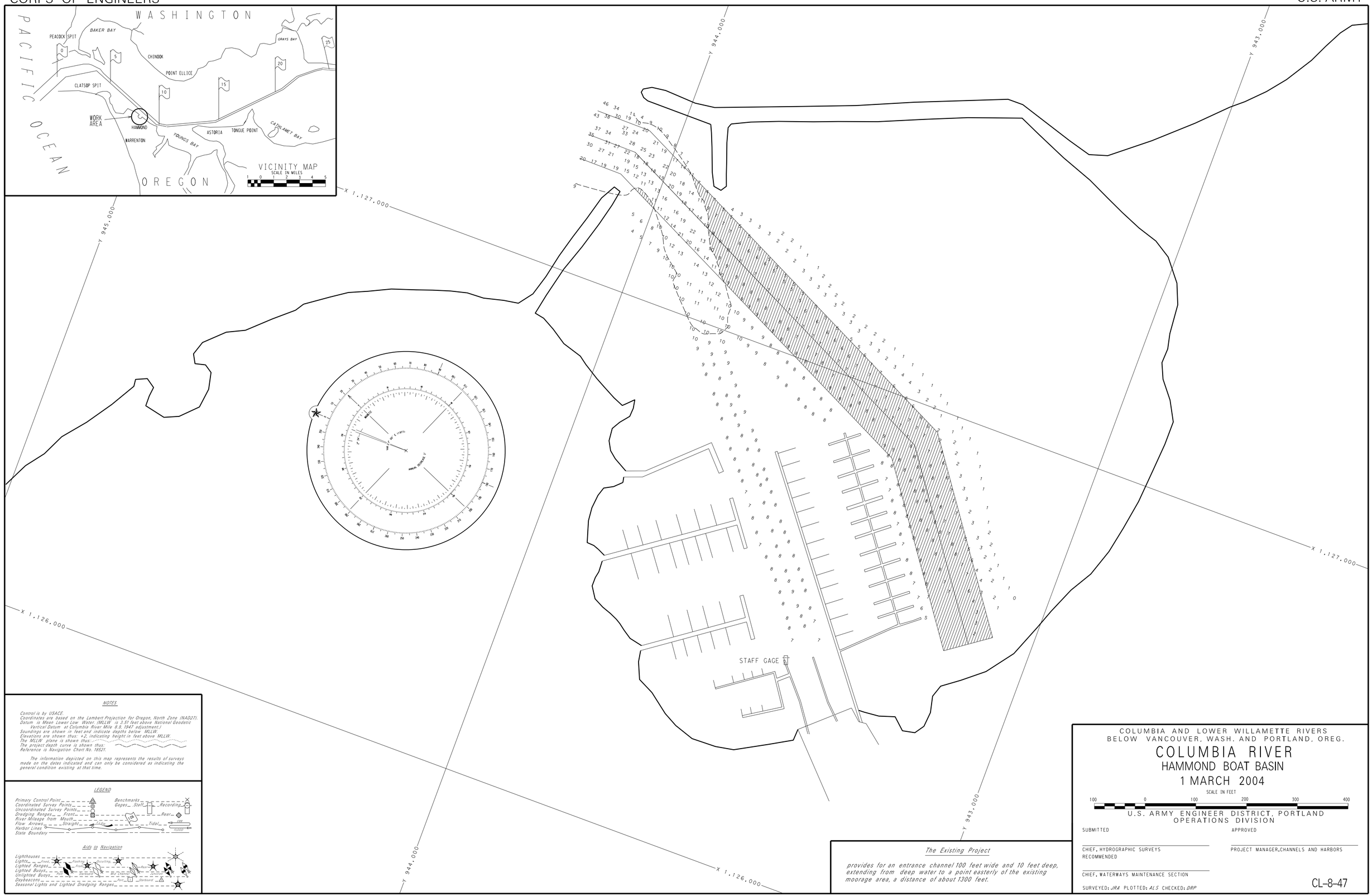
WASHINGTON
PACIFIC OCEAN
OREGON
PEACOCK SPIT
BAKER BAY
CHINOOK
POINT ELLICE
GRAYS BAY
CLATSOP SPIT
WORK AREA
HAMMOND
WARRENTON
YOUNGS BAY
ASTORIA
TONGUE POINT
CATHLAMET BAY
VICINITY MAP
SCALE IN MILES
Y 944,000
Y 943,000
Y 945,000
X 1,127,000
X 1,126,000
Y 944,000
Y 943,000
X 1,126,000
X 1,127,000
STAFF GAGE
NOTES
Control is by USACE.
Coordinates are based on the Lambert Projection for Oregon, North Zone (NAD27).
Datum is Mean Lower Low Water (MLLW) is 3.51 feet above National Geodetic Vertical Datum at Columbia River Mile 8.3 (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.
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.
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
Lighted Buoys
Unlighted Buoys
Daybeacons
Seasonal Lights and Lighted Dredging Ranges
Port
Starboard
The Existing Project
provides for an entrance channel 100 feet wide and 10 feet deep, extending from deep water to a point easterly of the existing moorage area, a distance of about 1300 feet.
COLUMBIA AND LOWER WILLAMETTE RIVERS
BELOW VANCOUVER, WASH. AND PORTLAND, OREG.
COLUMBIA RIVER
HAMMOND BOAT BASIN
1 MARCH 2004
SCALE IN FEET
U.S. ARMY ENGINEER DISTRICT, PORTLAND
OPERATIONS DIVISION
SUBMITTED
APPROVED
CHIEF, HYDROGRAPHIC SURVEYS
PROJECT MANAGER, CHANNELS AND HARBORS
RECOMMENDED
CHIEF, WATERWAYS MAINTENANCE SECTION
SURVEYED: JRA PLOTTED: ALS CHECKED: DRP
CL-8-47