

# Seattle WASHINGTON

1:100 000-scale metric topographic-bathymetric map



- 30 X 60 MINUTE QUADRANGLE SHOWING**
- Contours and elevations in meters
  - Highways, roads and other manmade structures
  - Water features
  - Woodland areas
  - Geographic names
  - Bathymetric contours in meters



1992

Produced by the United States Geological Survey and the National Ocean Service. Compiled from USGS 1:24 000 and 1:25 000-scale topographic maps dated 1953-1983. Planimetry revised from aerial photographs taken 1988 and other source data. Revised information not field checked. Map edited 1992.

Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes. Mean lower low water (dashed line) and mean high water (heavy solid line) compiled by NOS from tide-coordinated aerial photographs. Apparent shoreline (outer edge of vegetation) shown by light solid line. 1927 North American Datum (NAD 27). Projection and zone 10 25 000-foot scale Washington coordinate system, north and south zones.

The difference between NAD 27 and North American Datum of 1983 (NAD 83) is too small to show at this scale. The values of the shift between the datums for 7.5-minute intersections are given in USGS Bulletin 1875.

There may be private subdivisions within the boundaries of the National or State reservations shown on this map.

**CONTOUR INTERVAL 20 METERS**

NATIONAL GEODETIC SYSTEM DATUM OF 1927 ELEVATIONS SHOWN TO THE NEAREST METER. BATHYMETRIC CONTOUR INTERVAL: 10 METERS TO 200 METER DEPTH. SUPPLEMENTED BY 2 METER INTERVALS, THENCE 50 METERS TO MAXIMUM DEPTH. SUPPLEMENTED BY 10 METER INTERVALS. DATUM IS MEAN LOWER LOW WATER. THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE.

BASE MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS. BATHYMETRIC SURVEY DATA COMPLES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 44 ACCURACY STANDARDS AND/OR STANDARDS USED AT THE DATE OF THE SURVEY.

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS	
Meters	Feet	MAGNETIC		UTM	
1	3.2808		0.27°	1	Port Angeles
2	6.5617			4	Port Townsend
3	9.8425			5	Skokholm Reef
4	13.1234			6	Shelton
5	16.4042			7	Tacoma
6	19.6850			8	Snoqualmie Pass
7	22.9659				
8	26.2467				
9	29.5276				
10	32.8084				

To convert meters to feet multiply by 3.2808  
To convert feet to meters multiply by 0.3048

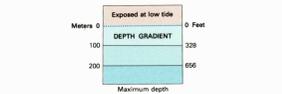
UTM grid convergence (U.N. and IHO) is shown in the diagram (M). Diagram is approximate.

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092 AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852

## Topographic Map Symbols

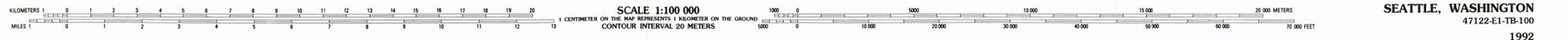
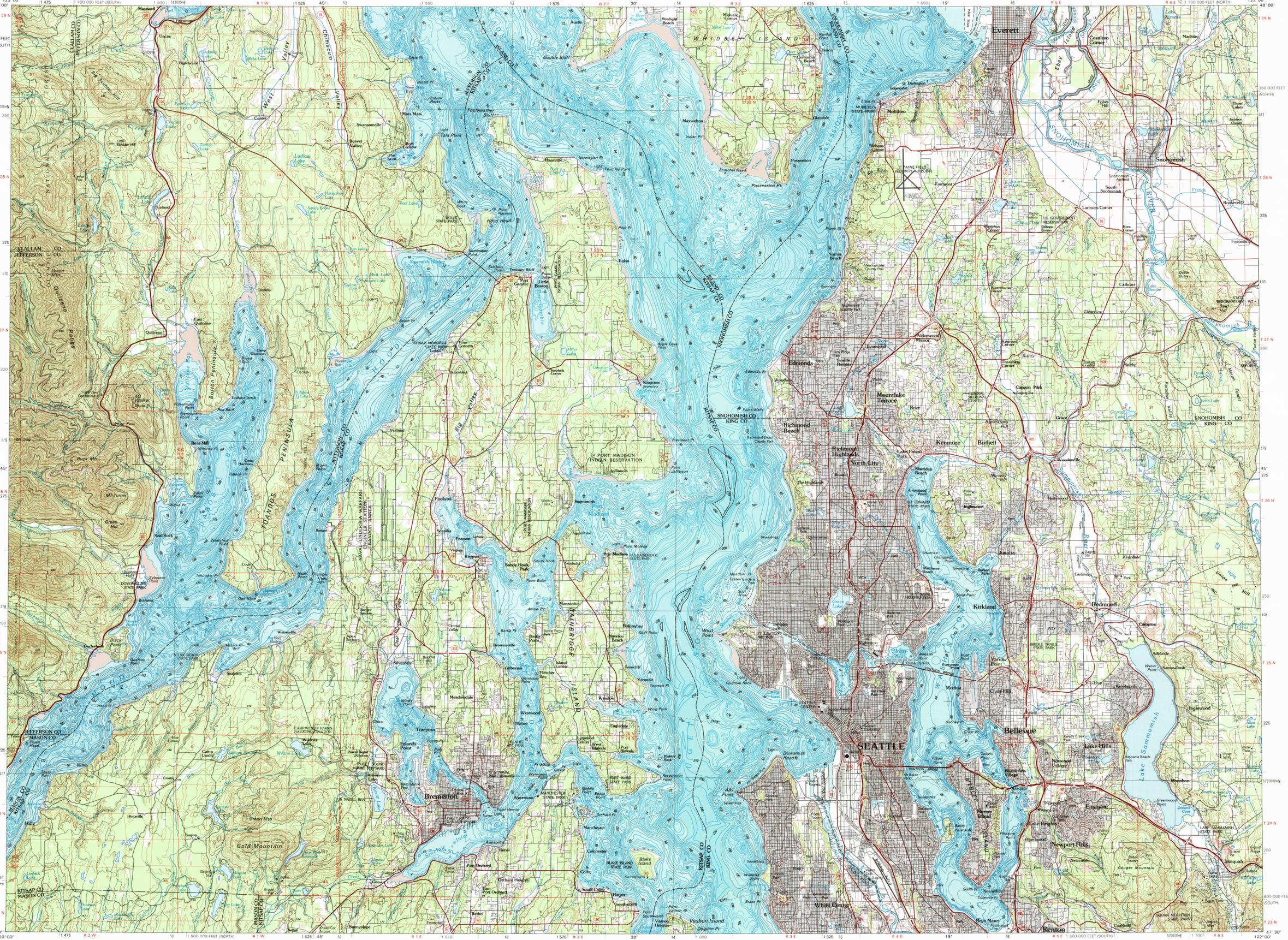
- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Other road or street, trail
- Route marker, Interstate, U. S. State
- Railroad, standard gage, narrow gage
- Bridge, overpass, underpass
- Tunnel, road, railroad
- Built up area, locality, elevation
- Airport, landing field, landing strip
- National boundary
- State boundary
- County boundary
- National or State reservation boundary
- Land grant boundary
- U. S. public lands survey, range, township, section
- Range, township, section, line, corner
- Power transmission line, pipeline
- Dam, dam with lock
- Cemetery, building
- Windmill, water well, spring
- Mine shaft, adit or ore, mine, quarry, gravel pit
- Compendium, picnic area, U. S. location monument
- Ruins, cliff dwelling
- Distorted surface, strip mine, lava, sand
- Contours, index, intermediate, supplementary
- Bathymetric contours, index, intermediate
- Stream, lake, perennial, intermittent
- Rapids, large and small, falls, large and small
- Area to be submerged, marsh, swamp
- Land subject to controlled inundation, woodland
- Shrub, mangrove
- Orchard, vineyard

A perpetual describing topographic maps is available on request



# SEATTLE, WASHINGTON

# 30X60 MINUTE SERIES (TOPOGRAPHIC-BATHYMETRIC)



**HYDROGRAPHIC SURVEY INFORMATION**

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)	SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-2608	1902	1:100,000	02-14	H-8211	1956	1:10,000	03-05
H-2609	1902	1:100,000	06-15	H-8753	1963	1:10,000	02-07
H-2610	1902	1:100,000	06-15	H-8754	1966	1:10,000	02-08
H-2616	1904	1:100,000	01-07	H-8894	1966	1:10,000	02-18
H-2617	1904	1:100,000	01-07	H-8895	1966	1:10,000	02-18
H-2622	1904	1:100,000	01-06	H-8912	1966	1:10,000	02-14
H-2623	1904	1:100,000	01-06	H-8914	1967	1:10,000	02-14
H-2624	1904	1:100,000	01-06	H-8915	1967	1:10,000	02-14
H-2625	1904	1:100,000	01-06	H-8916	1967	1:10,000	02-14
H-2626	1904	1:100,000	01-06	H-8917	1967	1:10,000	02-14
H-2627	1904	1:100,000	01-06	H-8918	1967	1:10,000	02-14
H-2628	1904	1:100,000	01-06	H-8919	1967	1:10,000	02-14
H-2629	1904	1:100,000	01-06	H-8920	1967	1:10,000	02-14
H-2630	1904	1:100,000	01-06	H-8921	1967	1:10,000	02-14
H-2631	1904	1:100,000	01-06	H-8922	1967	1:10,000	02-14
H-2632	1904	1:100,000	01-06	H-8923	1967	1:10,000	02-14
H-2633	1904	1:100,000	01-06	H-8924	1967	1:10,000	02-14
H-2634	1904	1:100,000	01-06	H-8925	1967	1:10,000	02-14
H-2635	1904	1:100,000	01-06	H-8926	1967	1:10,000	02-14
H-2636	1904	1:100,000	01-06	H-8927	1967	1:10,000	02-14
H-2637	1904	1:100,000	01-06	H-8928	1967	1:10,000	02-14
H-2638	1904	1:100,000	01-06	H-8929	1967	1:10,000	02-14
H-2639	1904	1:100,000	01-06	H-8930	1967	1:10,000	02-14
H-2640	1904	1:100,000	01-06	H-8931	1967	1:10,000	02-14
H-2641	1904	1:100,000	01-06	H-8932	1967	1:10,000	02-14
H-2642	1904	1:100,000	01-06	H-8933	1967	1:10,000	02-14
H-2643	1904	1:100,000	01-06	H-8934	1967	1:10,000	02-14

