

Seattle South
WASHINGTON

1:25 000-scale metric
topographic-bathymetric map

7.5 X 15 MINUTE QUADRANGLE
SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names
- Bathymetric contours in meters

1983

Produced by the United States Geological Survey and the National Ocean Service
 Conducted by USGS, NOAA, USACE and King County Engineer Office
 Compiled by photogrammetric methods from aerial photographs taken 1977. Field checked 1978. Map edited 1983.
 Supersedes Duwamish Head and Seattle South 1:25 000 scale maps dated 1949.
 Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes.
 Mean low water (dotted) line and mean high water (heavy solid) line compiled by NOS from tide-coordinated aerial photography updated through 1977.
 Projection and 1000-meter grid, zone 10, Universal Transverse Mercator 10,000-foot grid ticks based on Washington coordinate system, north zone 1927 North American Datum.
 To place on the predicted North American Datum 1983 move the projection lines 23 meters north and 93 meters east.
 Grey line indicates areas in which only landmark buildings are shown.
 There may be private buildings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 5 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 BATHYMETRIC CONTOUR INTERVAL 2 METERS-DATUM IS MEAN LOWER LOW WATER. DATUM OF LAKE WASHINGTON IS LOW WATER WHICH IS 2 FEET ABOVE THE PLANE OF MEAN LOWER LOW WATER IN PUGET SOUND.
 THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE.
 OTHER ELEVATIONS SHOWN TO THE NEAREST 0.1 METER.
 OTHER ELEVATIONS SHOWN TO THE NEAREST METER.

BASE MAP COMPLETES WITH NATIONAL MAP ACCURACY STANDARDS. BATHYMETRIC DATA COMPARES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 14 ACCURACY STANDARDS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEYS.

CONVERSION TABLE		DECLINATION DIAGRAM	ADJOINING MAPS		
Meters	Feet		1	2	3
1	3.2808		1	2	3
2	6.5617		4	5	6
3	9.8425		7	8	9
4	13.1234		10	11	12
5	16.4043		13	14	15
6	19.6852		16	17	18
7	22.9660		19	20	21
8	26.2469		22	23	24
9	29.5278		25	26	27
10	32.8086		28	29	30

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

LTM grid convergence (GN) and 1983 magnetic declination at center of map
 Diagram is approximate

ISBN 0-607-57421-6
 9 780607 574215

Topographic Map Symbols

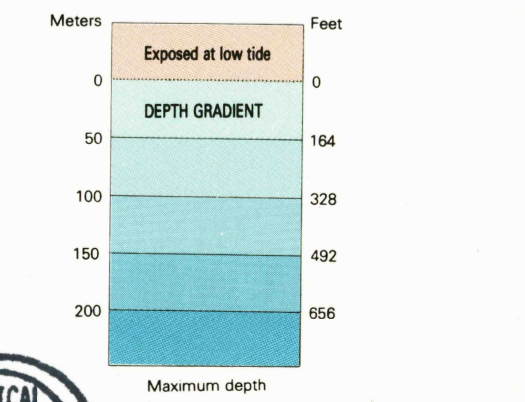
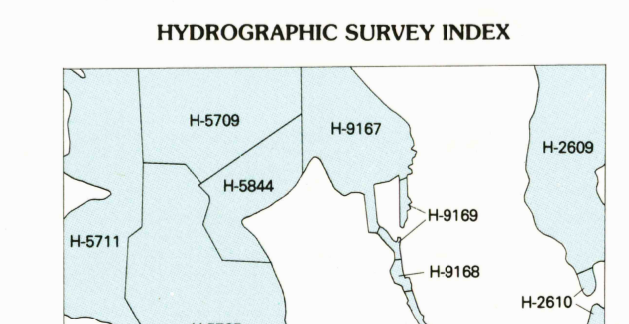
Primary highway, hard surface	
Secondary highway, hard surface	
Light-duty road, hard or improved surface	
Unimproved road, soil	
Route marker: Interstate, U. S., State	
Railroad: standard gage; narrow gage	
Bridge: drawbridge	
Footbridge, overpass, underpass	
Ball-up area: only selected landmark buildings shown	
House; barn; church; school; large structure	
Boundary	
National, with monument	
State	
County, parish	
Civil township, precinct, district	
Incorporated city, village, town	
National or State reservation; small park	
Land grant with monument; bound section corner	
U. S. public lands survey; range, township, section	
Range, township, section line; location approximate	
Fence or field line	
Power transmission line, located tower	
Power transmission line, located tower	
Dam; dam with lock	
Centenary: grave	
Campground; picnic area, U. S. location monument	
Windmill; water well; spring	
Mini shaft; prospect; well or mine	
Control: horizontal station; vertical station; spot elevation	
Contours: index; intermediate; supplementary; depression	
Distorted surface: strip mine, levee, sand	
Bathymetric contours: index; intermediate	
Perennial lake and stream; intermittent lake and stream	
Rapids, large and small; falls, large and small	
Swamp; marsh	
Submerged marsh; land subject to controlled inundation	
Woodland; scattered trees	
Scrub; mangrove	
Dredged; viewshed	

SCALE 1:25 000
 1 CENTIMETER ON THE MAP REPRESENTS 250 METERS ON THE GROUND
 1 INCH ON THE MAP REPRESENTS 2500 FEET ON THE GROUND

CONTOUR INTERVAL 5 METERS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 BATHYMETRIC CONTOUR INTERVAL 2 METERS-DATUM IS MEAN LOWER LOW WATER. DATUM OF LAKE WASHINGTON IS LOW WATER WHICH IS 2 FEET ABOVE THE PLANE OF MEAN LOWER LOW WATER IN PUGET SOUND.
 THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE.

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING (NAUT. MILES)
H-2609	1902	1:10,000	06.25
H-2610	1902	1:10,000	06.25
H-2611	1902	1:10,000	06.25
H-2612	1902	1:10,000	06.25
H-2613	1902	1:10,000	06.25
H-2614	1902	1:10,000	06.25
H-2615	1902	1:10,000	06.25
H-2616	1902	1:10,000	06.25
H-2617	1902	1:10,000	06.25
H-2618	1902	1:10,000	06.25
H-2619	1902	1:10,000	06.25
H-2620	1902	1:10,000	06.25
H-2621	1902	1:10,000	06.25
H-2622	1902	1:10,000	06.25
H-2623	1902	1:10,000	06.25
H-2624	1902	1:10,000	06.25
H-2625	1902	1:10,000	06.25
H-2626	1902	1:10,000	06.25
H-2627	1902	1:10,000	06.25
H-2628	1902	1:10,000	06.25
H-2629	1902	1:10,000	06.25
H-2630	1902	1:10,000	06.25
H-2631	1902	1:10,000	06.25
H-2632	1902	1:10,000	06.25
H-2633	1902	1:10,000	06.25
H-2634	1902	1:10,000	06.25
H-2635	1902	1:10,000	06.25
H-2636	1902	1:10,000	06.25
H-2637	1902	1:10,000	06.25
H-2638	1902	1:10,000	06.25
H-2639	1902	1:10,000	06.25
H-2640	1902	1:10,000	06.25
H-2641	1902	1:10,000	06.25
H-2642	1902	1:10,000	06.25
H-2643	1902	1:10,000	06.25
H-2644	1902	1:10,000	06.25
H-2645	1902	1:10,000	06.25
H-2646	1902	1:10,000	06.25
H-2647	1902	1:10,000	06.25
H-2648	1902	1:10,000	06.25
H-2649	1902	1:10,000	06.25
H-2650	1902	1:10,000	06.25
H-2651	1902	1:10,000	06.25
H-2652	1902	1:10,000	06.25
H-2653	1902	1:10,000	06.25
H-2654	1902	1:10,000	06.25
H-2655	1902	1:10,000	06.25
H-2656	1902	1:10,000	06.25
H-2657	1902	1:10,000	06.25
H-2658	1902	1:10,000	06.25
H-2659	1902	1:10,000	06.25
H-2660	1902	1:10,000	06.25
H-2661	1902	1:10,000	06.25
H-2662	1902	1:10,000	06.25
H-2663	1902	1:10,000	06.25
H-2664	1902	1:10,000	06.25
H-2665	1902	1:10,000	06.25
H-2666	1902	1:10,000	06.25
H-2667	1902	1:10,000	06.25
H-2668	1902	1:10,000	06.25
H-2669	1902	1:10,000	06.25
H-2670	1902	1:10,000	06.25
H-2671	1902	1:10,000	06.25
H-2672	1902	1:10,000	06.25
H-2673	1902	1:10,000	06.25
H-2674	1902	1:10,000	06.25
H-2675	1902	1:10,000	06.25
H-2676	1902	1:10,000	06.25
H-2677	1902	1:10,000	06.25
H-2678	1902	1:10,000	06.25
H-2679	1902	1:10,000	06.25
H-2680	1902	1:10,000	06.25
H-2681	1902	1:10,000	06.25
H-2682	1902	1:10,000	06.25
H-2683	1902	1:10,000	06.25
H-2684	1902	1:10,000	06.25
H-2685	1902	1:10,000	06.25
H-2686	1902	1:10,000	06.25
H-2687	1902	1:10,000	06.25
H-2688	1902	1:10,000	06.25
H-2689	1902	1:10,000	06.25
H-2690	1902	1:10,000	06.25
H-2691	1902	1:10,000	06.25
H-2692	1902	1:10,000	06.25
H-2693	1902	1:10,000	06.25
H-2694	1902	1:10,000	06.25
H-2695	1902	1:10,000	06.25
H-2696	1902	1:10,000	06.25
H-2697	1902	1:10,000	06.25
H-2698	1902	1:10,000	06.25
H-2699	1902	1:10,000	06.25
H-2700	1902	1:10,000	06.25



USGS AND HISTORICAL MAP ARCHIVES
 MAY 2 1996
 REC'D FILE COPY

Photographic copies of the above and prior surveys may be obtained, at the cost of reproduction, addressing the Director, National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852.