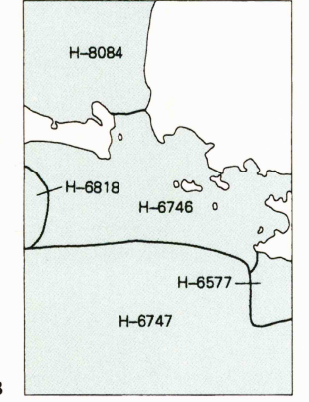


Produced by the United States Geological Survey  
Topography compiled 1972. Planimetry derived from imagery taken 1998 and other sources. Public Land Survey System and survey control current as of 1973. Boundaries current as of 2000.  
Bathymetry compiled by the National Ocean Service from tide-coordinated hydrographic surveys. This information is not intended for navigational purposes.  
Mean lower low water (dotted) line and mean high water (solid) line compiled by NOS from tide-coordinated imagery.  
North American Datum of 1983 (NAD 83). Projection and 1000-meter grid: Universal Transverse Mercator, zone 10. 2 500-meter ticks: Washington Coordinate System of 1983 (north zone).  
North American Datum of 1927 (NAD 27) is shown by dashed corner ticks. The values of the shift between NAD 83 and NAD 27 for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software.  
There may be private inholdings within the boundaries of the National or State reservations shown on this map.  
Houses of worship, schools, and other labeled buildings verified 1973.

NATIONAL OCEAN SERVICE  
HYDROGRAPHIC SURVEY INDEX



HYDROGRAPHIC SURVEY  
INFORMATION

Survey Number	Survey Date	Survey Scale	Survey Line Spacing (Naut. Miles)
H-6577	1940	1:10,000	03-50
H-6746	1941-43	1:10,000	01-10
H-6747	1941	1:20,000	04-23
H-6818	1942-43	1:20,000	07-20
H-8084	1953-55	1:10,000	03-13

SCALE 1:24 000  
CONTOUR INTERVAL 20 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
(TO CONVERT ELEVATIONS TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, ADD 4 FEET)  
BATHYMETRIC CONTOUR INTERVAL 2 METERS  
DATUM IS MEAN LOWER LOW WATER  
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE  
THE MEAN RANGE OF TIDE IS APPROXIMATELY 1.3 METERS  
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048

BATHYMETRIC SURVEY DATA COMPLIES WITH  
INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO)  
SPECIAL PUBLICATION 44 ACCURACY STANDARDS AND/OR  
STANDARDS USED AS OF THE DATE OF THE SURVEYS

FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



UTM GRID AND 2001 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

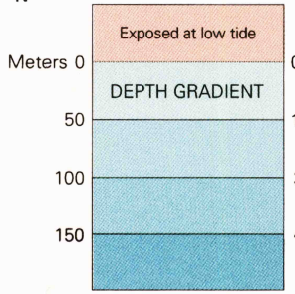


ROAD CLASSIFICATION  
Primary highway hard surface .....  
Secondary highway hard surface .....  
Unimproved road .....  
Light-duty road, hard or improved surface .....  
Interstate Route .....  
U.S. Route .....  
State Route .....

RICHARDSON, WA

1998

NIMA 1480 IV NW-SERIES V891



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USGS NHD  
HISTORICAL MAP ARCHIVE

ADJOINING 7.5' QUADRANGLE NAMES

1	2	3
4	5	6
7	8	9

