

THE NATIONAL MAPPING PROGRAM

The National Mapping Program publishes a variety of multipurpose maps to serve all map users. In addition to published maps, basic map data and operating map products are available. These include aerial photographs, satellite images, advance and reproducible map products, genetic control data, geographic names data, state maps, microfilm map copies, and map data in digital form.

An Index to topographic and other Map Coverage and its companion Catalog of Geographic and other Published Maps is available for each State.

TYPES OF MAPS:

Topographic Maps:
A topographic map accurately represents the natural and manmade features of the land. USGS topographic maps are compiled to National Map Accuracy Standards using modern mapping techniques. The shape and elevation of the terrain are portrayed by contour lines and specific features such as roads, towns, water areas, and vegetation are portrayed by map symbols and colors. Standard quadrangle series sheets are produced at the scale and format shown.

Topographic-Bathymetric Maps:
A topographic-bathymetric map provides topographic and bathymetric detail of the land area and bathymetric metric contours and depths of waters in the coastal water areas. These maps, covering selected coastal zone areas, are produced by the U.S. Geological Survey and the National Ocean Survey at scales of 1:24,000, 1:100,000, and 1:250,000. Off-shore projection survey data compiled by the Bureau of Land Management are shown on 1:100,000 and 1:250,000 scale maps.

Land Use and Land Cover Maps

Standard land use and land cover maps at 1:250,000 or 1:100,000 scale or other scales are available for the entire United States. These maps depict the 9 level I and 37 Level II USGS categories of data. Five associated overlays show political units, hydrologic units, Census county subdivisions, and Federal land ownership and state land ownership overlays for a limited number of states. Associated maps are made available in the form of diazo or photostatic prints or film copies. Most of these products have to be ordered.

Orthophototopods
An orthophototopod portrays planimetric data by photostatic, but does not contain contours and has little or no symbolization or lettering within the mapped area. Most orthophototopods are prepared in black-and-white film, and are made available, upon request, in the form of diazo or photostatic prints. There are a limited number printed in color, and available as published maps. Most of these products have to be ordered.

Orthophotomaps
An Orthophotomap is a multicolor orthophototopod having extensive cartographic treatment including contours, lettering, and some symbols. Where conventional topographic line maps are ineffective in portraying terrain features, colored orthophotomaps accentuates subtle detail. For some areas—predominantly marshlands and coastal areas—the orthophotomap is the standard 1:24,000 scale map.

State Maps

State-format maps are generally available in three editions—topographic, topographic, and shaded-relief—each at a scale of 1:500,000. Some state base maps are also available at 1:750,000 and 1:1,000,000. These maps show urban areas, major communication routes, hydrographic features, and political boundaries.

County Maps

Produced at 1:50,000 or 1:100,000 scale, county maps show selected natural and cultural features. At the present time, county maps are available for a limited number of areas.

Special Maps

Special-purpose maps are usually derived from standard topographic maps. These include maps of specific cultural or geographic regions, satellite image maps, shaded relief maps, metropolitan area maps, and sets of maps illustrating special physiographic features.

United States Maps

There are several different U.S. Maps available in a variety of formats and scales. For this information see the matrix on "United States Maps."

National Park and Monument Maps

Maps of national parks, battlefields, and historic sites are prepared at various scales from standard topographic maps. Many are available with shaded-relief overlays which gives a three-dimensional impression of the terrain.

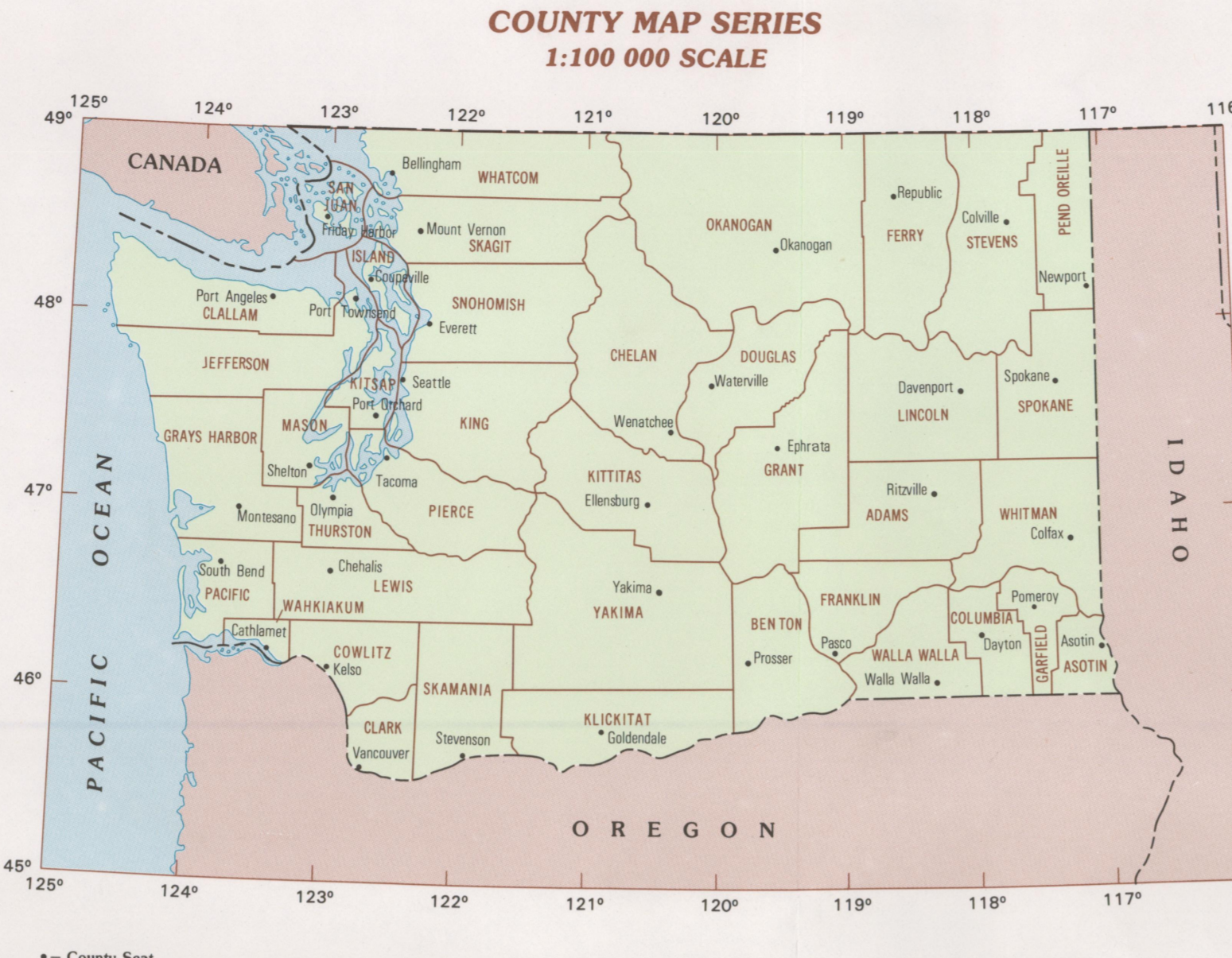
National Atlas Maps

Separate sheets of selected thematic and general reference National Atlas maps are available. The content ranges from physiographic information to environmental and population trends. A set of maps (also available singly) covers the United States in 21 sections at 1:2,000,000 scale.

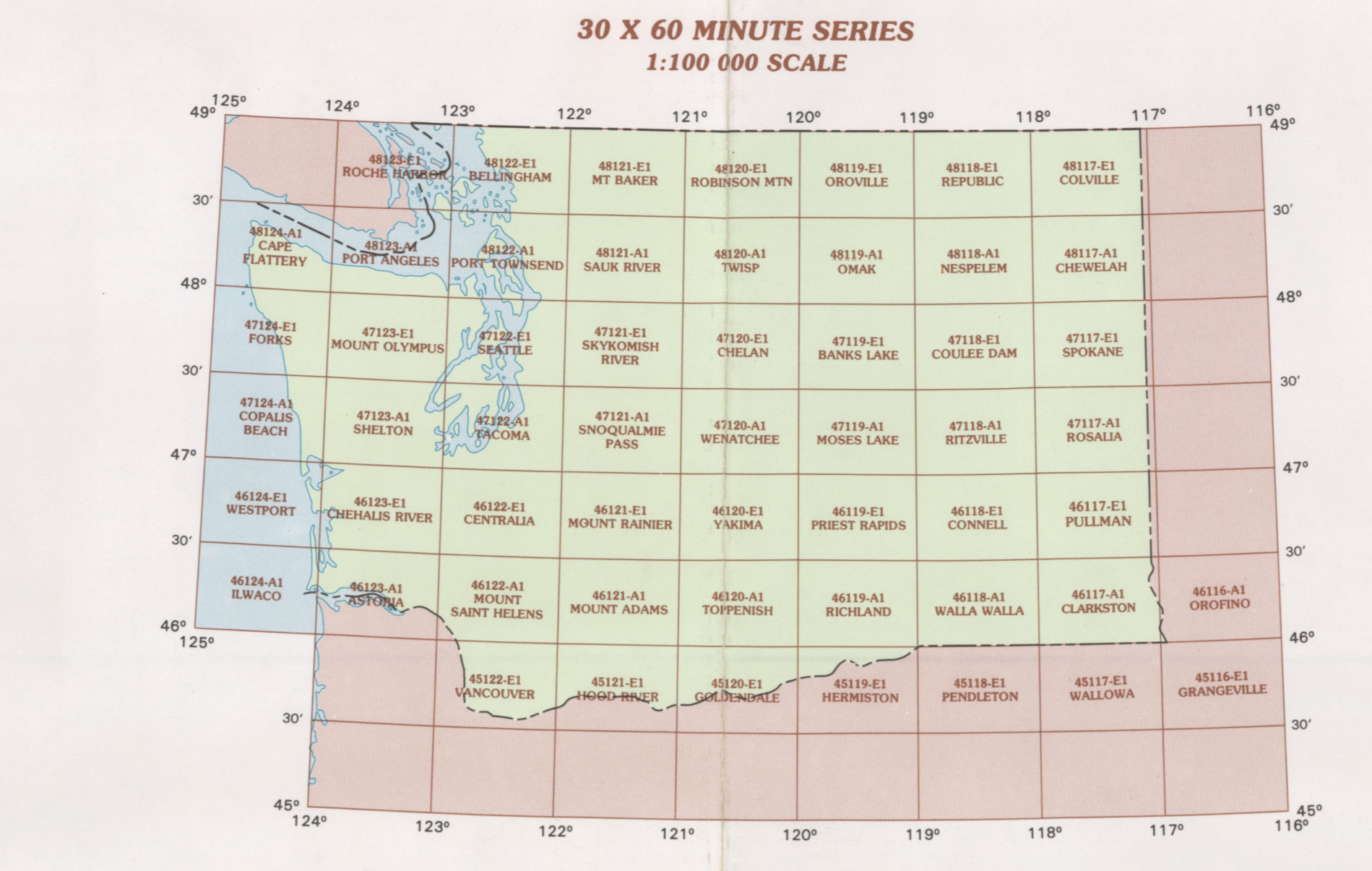
INFORMATION PAMPHLET

The U.S. Geological Survey has available a pamphlet titled "Topographic Maps", which includes symbols, to assist map users in selecting the kind and scale of map best suited to their needs. This pamphlet can be obtained without cost from Map Distribution, U.S. Geological Survey.

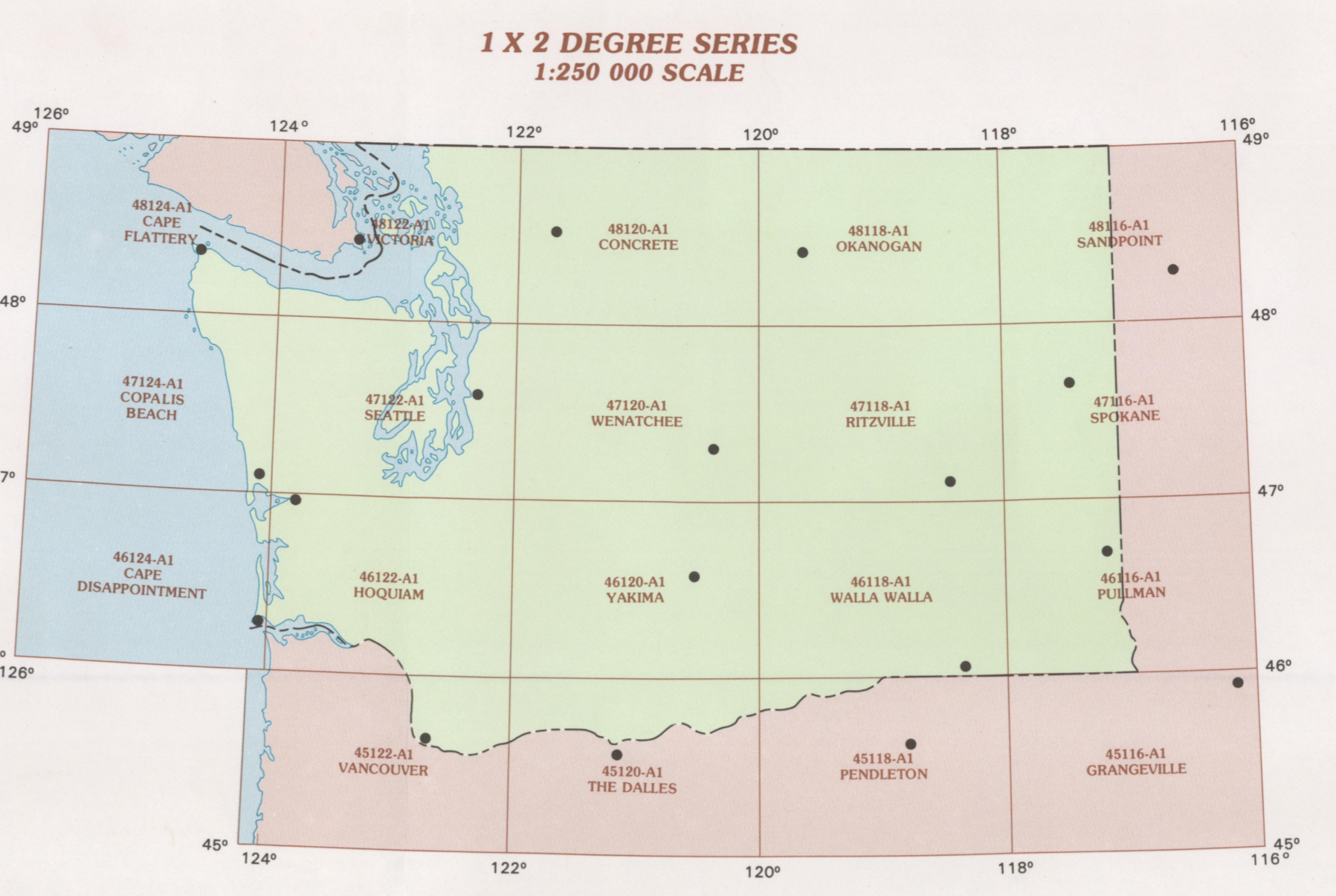
COUNTY MAP SERIES
1:100 000 SCALE



30 X 60 MINUTE SERIES
1:100 000 SCALE



1 X 2 DEGREE SERIES
1:250 000 SCALE



STANDARD SERIES MAPS

Standard quadrangle maps cover systematically subdivided areas of latitude and longitude, and are published at various scales depending on the size of the area mapped. Standard quadrangle formats range from 7.5 x 7.5 minutes covering geographic areas of 49 to 71 square miles to 1 x 2 degrees covering areas of 4900 to 8669 square miles.

Standard quadrangle map scale ranges from 1:24,000 (one inch on the map represents 2000 feet on the ground) to 1:250,000 (one inch on the map represents approximately 4 miles on the ground).

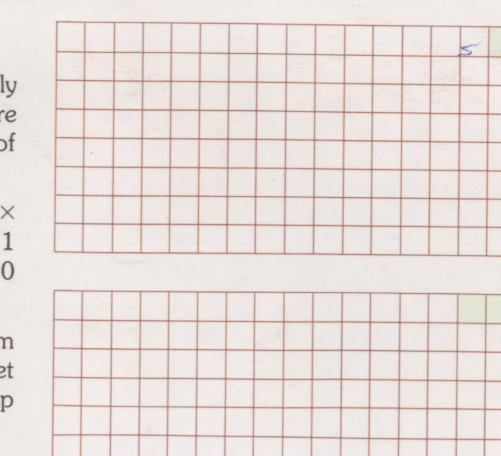
Other quadrangle maps are published at scales of 1:20,000 (Photo Rect) to 1:63,360 (Alaska).

MAP SERIES COMPARISON

Illustrated opposite is the relative comparison of the size of the area covered by the various map series. Comparatively, the number of maps required to cover an area of 1 degree latitude by 2 degrees longitude is:

- 128-7.5 minute maps
- 64-7.5 x 15 minute maps
- 32-15 minute maps
- 4-30 x 60 minute maps
- 1-1 x 2 degree map

The amount of detail shown on a map is proportional to the scale of the map; the larger the map scale, the more detail that is shown. For example, individual houses are shown on 1:24,000 scale 7.5 minute maps, whereas only landmark buildings are shown on 1:100,000 scale 30 x 60 minute maps.



7.5 MINUTE SERIES
Map scale: 1:24,000
Map to ground ratio: 1 inch represents 2000 feet
Area covered: 49-71 square miles
Paper size (approx.): 22" x 27"
Contours and elevations: shown in feet

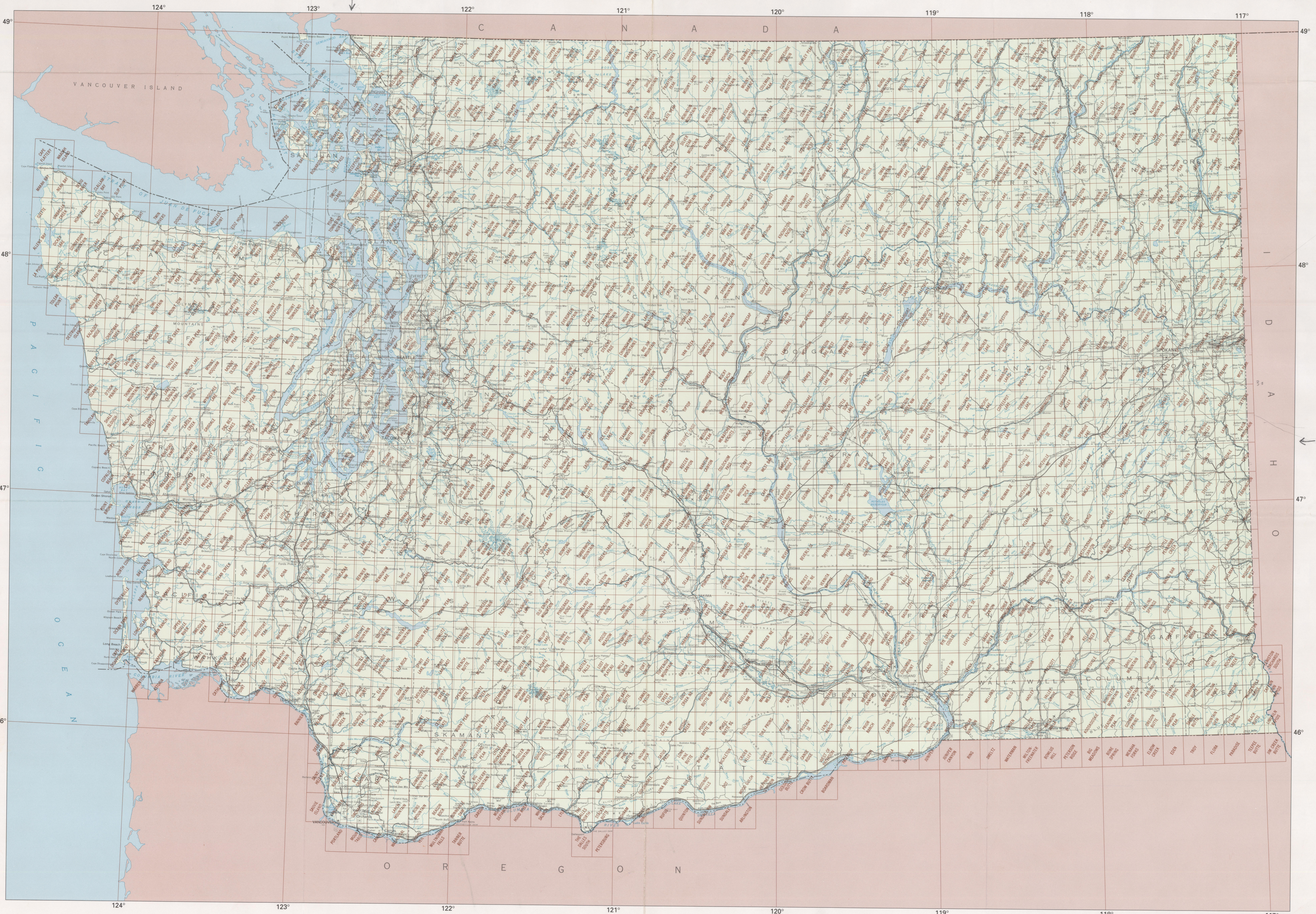
7.5 x 15 MINUTE SERIES
Map scale: 1:25,000
Map to ground ratio: 1 inch represents 2083 feet
Area covered: 100-140 square miles
Paper size (approx.): 24" x 40"
Contours and elevations: shown in meters

15 MINUTE SERIES
Map scale: 1:62,500
Map to ground ratio: 1 inch represents about 1 mile
Area covered: 178-217 square miles
Paper size (approx.): 18" x 22"
Contours and elevations: shown in feet

30 X 60 MINUTE SERIES
Map scale: 1:100,000
Map to ground ratio: 1 inch represents 1.6 miles
Area covered: 4980-8669 square miles
Paper size (approx.): 29" x 41"
Contours and elevations: shown in meters

1 X 2 DEGREE SERIES
Map scale: 1:250,000
Map to ground ratio: 1 inch represents about 4 miles
Area covered: 4900-8669 square miles
Paper size (approx.): 22" x 27"
Contours and elevations: shown in feet
Show in meters on selected maps
1:63,360 Alaska and 1:500,000 scale on selected maps
1:62,500 series being abandoned

PRIMARY MAP SERIES, 1:24 000 SCALE

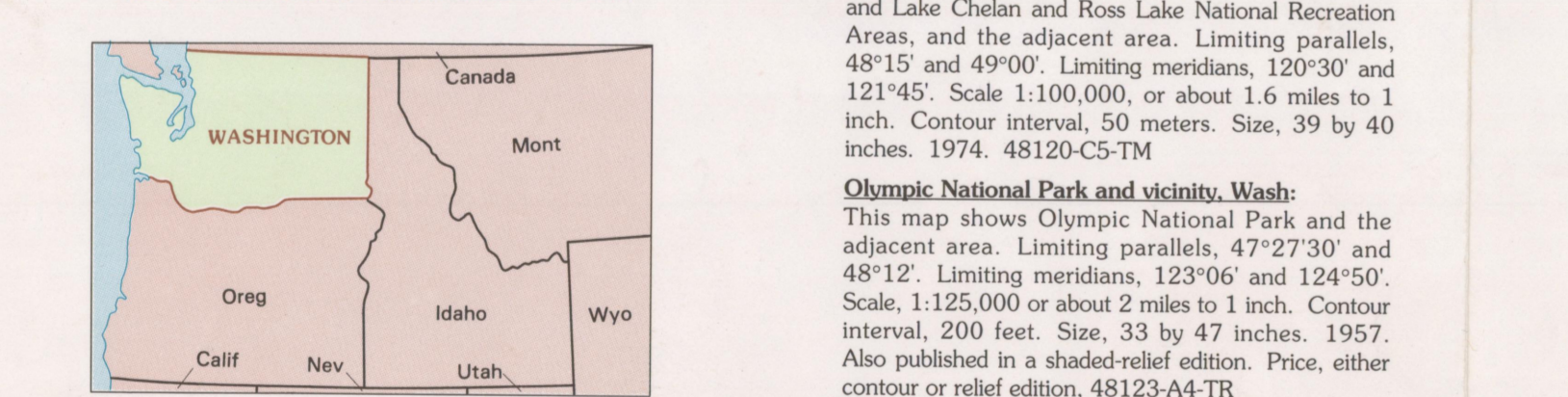


REFERENCE CODE	DESCRIPTION	MAP SCALE	ROADS	RAILROADS	WATER FEATURES	TOWNS	COUNTIES	NATIONAL MONUMENTS	NATIONAL RESERVATIONS	PAPER SIZE
4618-A1	One sheet showing the coastline of the Pacific Northwest and other nearby areas.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-B1	Same as Map A without land use.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-C1	One sheet with state, county, and township boundaries.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-D1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-E1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-F1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-G1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-H1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-I1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-J1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-K1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-L1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-M1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-N1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-O1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-P1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-Q1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-R1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-S1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-T1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-U1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-V1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-W1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-X1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-Y1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches
4618-Z1	Same as Map A, showing National Forests and public land surveys.	1:100,000	•	•	•	•	•	•	•	24x36 inches

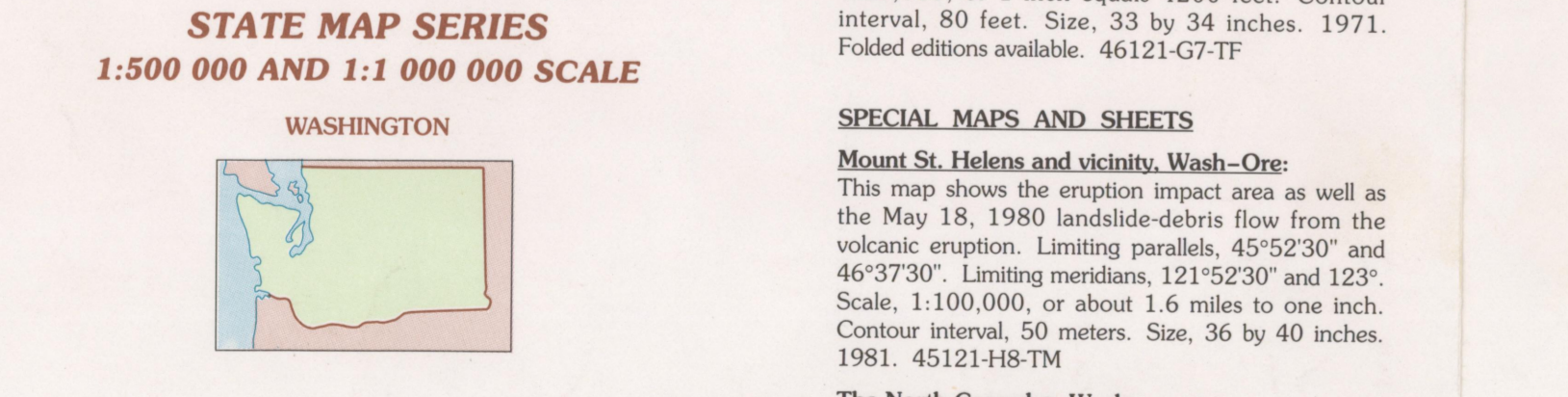
REFERENCE CODE	MAP NAME	MAP SCALE	ROADS	RAILROADS	CONTOURS	WATER FEATURES	TOWNS	COUNTIES	NATIONAL MONUMENTS	NATIONAL RESERVATIONS	PAPER SIZE
4712-A6	Scale of Washington (Sheet)	1:500,000	•	•	•	•	•	•	•	•	31 x 34 inches
4712-B6	Scale of Washington (Sheet)	1:1,000,000	•	•	•	•	•	•	•	•	15 x 17 inches
4712-C6	Scale of Washington (Sheet)	1:500,000	•	•	•	•	•	•	•	•	37 x 32 inches
4712-D6	Scale of Washington (Sheet)	1:1,000,000	•	•	•	•	•	•	•	•	28 x 32 inches
4712-E6	Scale of Washington (Sheet)	1:1,000,000	•	•	•	•	•	•	•	•	30 x 36 inches
4712-F6	Scale of Washington (Sheet)	1:1,000,000	•	•	•	•	•	•	•	•	27 x 27 inches
4712-G6	Scale of Washington (Sheet)	1:1,000,000	•	•	•	•	•	•	•	•	20 x 23 inches
4712-H6	Scale of Washington (Sheet)	1:1,000,000	•	•	•	•	•	•	•	•	16 x 16 inches

REFERENCE CODE	MAP NAME	MAP SCALE	ROADS	RAILROADS	CONTOURS	WATER FEATURES	TOWNS	COUNTIES	NATIONAL MONUMENTS	NATIONAL RESERVATIONS	PAPER SIZE
4712-A6	Scale of Washington (Sheet)	1:500,000	•	•	•	•	•	•	•	•	31 x 34 inches
4712-B6	Scale of Washington (Sheet)	1:1,000,000	•	•	•	•	•	•	•	•	15 x 17 inches
4712-C6	Scale of Washington (Sheet)	1:500,000	•	•	•	•	•	•	•	•	37 x 32 inches
4712-D6	Scale of Washington (Sheet)	1:1,000,000	•	•	•	•	•	•	•	•	28 x 32 inches
4712-E6	Scale of Washington (Sheet)	1:1,000,000	•	•	•	•	•	•	•	•	30 x 36 inches
4712-F6	Scale of Washington (Sheet)	1:1,000,000	•	•	•	•	•	•	•	•	27 x 27 inches
4712-G6	Scale of Washington (Sheet)	1:1,000,000	•	•	•	•	•	•	•	•	20 x 23 inches
4712-H6	Scale of Washington (Sheet)	1:1,000,000	•	•	•	•	•	•	•	•	16 x 16 inches

SECTIONAL MAP SERIES
1:2 000 000 SCALE



STATE MAP SERIES
1:500 000 AND 1:1 000 000 SCALE



PHYSIOGRAPHIC FEATURES MAPS (SET OF 100)
These maps were selected to illustrate a wide variety of physiographic features within most of the 85 subdivisions shown on the Physical Divisions Maps of the United States Map 7-C. Size and scale of the maps vary.

PHYSIOGRAPHIC FEATURES MAPS (SET OF 25)
Selected from the set of 100 maps shown above. These maps show physiographic features within most of the major physical division provinces.

NATIONAL PARK AND MONUMENT MAPS

North Cascades National Park, Wash.
This map shows the North Cascades National Park, and Lake Chelan and Ross Lake National Recreation Areas, and the adjacent area. Limiting parallels, 48°15' and 49°00'. Limiting meridians, 120°30' and 121°45'. Scale 1:100,000, or about 1.6 miles to 1 inch. Contour interval, 50 meters. Size, 39 by 40 inches. 1974. 46123-C5-TM.

Olympic National Park and vicinity, Wash.
This map shows Olympic National Park and the adjacent area. Limiting parallels, 47°27'30" and 48°12'. Limiting meridians, 123°00' and 124°50'. Scale, 1:125,000, or about 2 miles to 1 inch. Contour interval, 200 feet. Size, 33 by 47 inches. 1957. Also published in a shaded-relief edition. Price, either contour or relief edition, 45123-A4-TR.

Mount St. Helens and vicinity, Wash.-Ore.
This map shows the mountain region area as well as the May 18, 1980 landslide debris flow from the volcanic eruption. Limiting parallels, 45°32'30" and 46°37'30". Limiting meridians, 121°52'30" and 123°00'. Scale, 1:100,000, or about 1.6 miles to one inch. Contour interval, 50 meters. Size, 36 by 40 inches. 1981. 45121-H5-TM.

The North Cascades, Wash.
This map shows the North Cascades National Park, and Lake Chelan and Ross Lake National Recreation Areas, and the adjacent area. Limiting parallel, 47°15' and 49°00'. Limiting meridians, 120°00' and 122°00'. Scale, 1:250,000, or about 4 miles to 1 inch. Contour interval, 200 feet. Size, 30 by 40 inches. 1955-72. 47120-C1.

Wenatchee, Wash.
This map shows the Earth's surface and vegetation from Landsat (satellite) imagery, with contours and elevation in meters. Roads, railroads, towns, other manmade features, water features, and geographic names are shown. Limiting parallels, 47° and 48°. Limiting meridians, 120° and 122°. Scale, 1:250,000, or about 4 miles to 1 inch. Contour interval, 250 meters. Size, 22 by 32 inches. 1978. 47120-A1.

To Purchase Maps
Order the maps and map products from the catalog and purchase them from the U.S. Geological Survey, Department of the Interior, Washington, D.C. 20508. Federal Catalog Map 810.

Open the maps and map products from the catalog and purchase them from the U.S. Geological Survey, Department of the Interior, Washington, D.C. 20508. Federal Catalog Map 810.

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WASHINGTON
Index to topographic and other MAP COVERAGE

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