DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY
OPEN-FILE REPORT 79-1363
SHEET 11 OF 12

WESTERN UNITED STATES 1:250,000

THE DALLES

NL 10-9

● INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1965

Prepared by the Army Map Service (AMSX), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1954 by photogrammetric methods. Horizontal and vertical control by USGS and USC&GS. Aerial photography, 1952. Photography field annotated 1953. Limited revision by U.S. Geological Survey 1964.

... grid based on Oregon coordinate system, north zone and ... system, south zone

... meter ... transverse Mercator grid ticks, zone 10, shown ...

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.

LEGEND
ROAD DATA 1956 PARTIALLY REVISED 1964

POPULATED PLACES
Over 500,000 LOS ANGELES
100,000 to 500,000 OMAHA
25,000 to 100,000 GALVESTON
5,000 to 25,000 Laramie
1,000 to 5,000 Grand Coulee
Less than 1,000 Sun Valley

RAILROADS
Standard gauge — Single track / Double or Multiple
Narrow gauge

BOUNDARIES
International
State
County
Park or reservation

ROADS
Hard surface, heavy duty
More than two lanes wide — 3 LANES | 4 LANES
Two lanes wide; Federal route marker — 151
Hard surface, medium duty
More than two lanes wide — 3 LANES | 4 LANES
Two lanes wide; State, Interstate route markers — 35 80N
Improved light duty
Unimproved dirt
Trail

Landplane airport
Landing area
Seaplane airport
Orchard
Woods-brushwood

Landmarks: School; Church; Other
Horizontal control point
Spot elevation in feet — 221
Marsh or swamp
Intermittent or dry stream
Power line

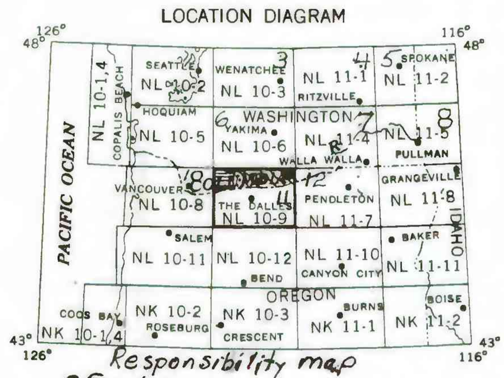
Scale 1:250,000
5 0 5 10 15 20 Statute Miles
5 0 5 10 15 20 25 30 Kilometers
5 0 5 10 15 Nautical Miles

CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
TRANSVERSE MERCATOR PROJECTION

1960 MAGNETIC DECLINATION FOR THIS SHEET VARIES FROM 21°00′ EASTERLY FOR THE CENTER OF THE WEST EDGE TO 20°30′ EASTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 0°02′ WESTERLY

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242

LOCATION DIAGRAM



Responsibility map
● Gardner
Simplified from Sylvester (1978)
Swanson
Bentley
Anderson

Geology mapped in 1978-79. Geology Southeast of Bickleton modified from Strait (1978). Geology along Columbia River modified from Portland General Electric Co. (1974). Distribution of units other than Columbia River Basalt Group west of 121°15′ simplified from Hammond (1980). An unpublished map by J. Powell was helpful in mapping the western part of the Columbia Hills. Anderson was assisted by T. Tolan, Gardner by M. Ortega.

SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

THE DALLES, OREGON; WASHINGTON
1953
LIMITED REVISION 1964

RECONNAISSANCE GEOLOGIC MAP OF THE COLUMBIA RIVER BASALT GROUP IN EASTERN WASHINGTON AND NORTHERN IDAHO

BY D.A. SWANSON, J.L. ANDERSON, R.D. BENTLEY, G.R. BYERLY, V.E. CAMP, J.N. GARDNER, AND T.L. WRIGHT