79-4363

V502, EDITION 3

Prepared by the U.S. Army Topographic Command (TPCSX), Washington, D.C. Compiled in 1954 by photogrammetric methods. Planimetry revised from aerial photographs taken 1952. Photographs field annotated 1953. Revised in 1973 by the U.S. Geological Survey from aerial photographs taken 1973.

100,000-foot grids based on Oregon coordinate system, north zone and Washington coordinate system, south zone

Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram

LEGEND

Figures in red denote approximate distances in miles between stars

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

RAILROADS

ROADS
- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State

Scale 1:250,000

5 0 5 10 15 20 Statute Miles

5 0 5 10 15 20 25 30 Kilometres

5 0 5 10 15 Nautical Miles

CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS

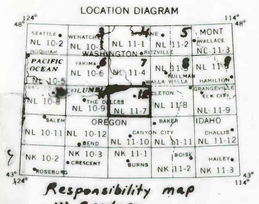
TRANSVERSE MERCATOR PROJECTION

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

1979

LOCATION DIAGRAM



Responsibility map
III Gardner
• Anderson

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

Geology mapped in 1978-79. Gardner assisted by M. Ortega, Anderson by T. Tolan. Some geology modified from Portland General Electric Co. (1974), Newcomb (1971), and Walker (1973)

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1975

GRID ZONE DESIGNATION 11T

100,000 M SQUARE IDENTIFICATION

KA	LA	MA
KV	LV	MV

90 40 500

IGNORE the SMALLER figures of any grid number; these are for finding the full coordinates. Use ONLY the LARGER figure of the grid number.
example: 490000

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METRES

SAMPLE POINT NOLIN

1. Read letters identifying 100,000 metre square in which the point lies: LA
2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin, or on the line itself. Estimate tenths from grid line to point: 3
3. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either in the left or right margin, or on the line itself. Estimate tenths from grid line to point: 6

SAMPLE REFERENCE LA3661

If reporting beyond 18° in any direction, prefix Grid Zone Designation, as: 11TLA3661

PENDLETON, OREGON; WASHINGTON

1953

REVISED 1973

STOCK NO. V502XNL117****03