



Prepared by the U.S. Army Topographic Command (CGSA), Washington, D.C. Compiled in 1954 by photogrammetric methods and from United States quadrangles, 1:62,500, 1:47,500. Planimetry revised from aerial photographs taken 1954. Photographs field annotated 1954. Revised by the U.S. Geological Survey 1970.

Area covered by dashed light-blue pattern is subject to controlled inundation.

Area covered by light-blue hatching is to be submerged.

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	ROADS	RAILROADS
Over 500,000	Primary, all-weather, hard surface	Standard gauge
100,000 to 500,000	Secondary, all-weather, hard surface	Narrow gauge
25,000 to 100,000	Light-duty, all-weather, hard or improved surface	Landplane airport
5,000 to 25,000	Fair or dry weather, unimproved surface	Landing area
1,000 to 5,000	Trail	Seaplane airport
Less than 1,000		Woods-brushwood

GRAND COULEES

BOUNDARIES

International

State

County

Park or reservation

Other Symbols:

- Landmark: School, Church, Other
- Windmill
- Spot elevation in feet
- Marsh or swamp
- Intermittent or dry stream
- Power line

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS

TRANSVERSE MERCATOR PROJECTION

BLACK NUMERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 12

1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 15' (270 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 14' (250 MILES) EASTERLY FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

LOCATION DIAGRAM

NEVADA	UTAH	ARIZONA	NEW MEXICO	TEXAS
NJ 1111 LEAVE VALLEY	NJ 1112 LARK CANYON	NJ 1210 GRAND CANYON	NJ 1211 WILLOW	NJ 1212 WILLOW
ARIZONA	NEVADA	UTAH	NEW MEXICO	TEXAS
NJ 1113 PINAL	NJ 1114 PINAL	NJ 1211 GRAND CANYON	NJ 1212 WILLOW	NJ 1213 WILLOW
NJ 1115 PINAL	NJ 1116 PINAL	NJ 1214 WILLOW	NJ 1215 WILLOW	NJ 1216 WILLOW
NJ 1117 PINAL	NJ 1118 PINAL	NJ 1217 WILLOW	NJ 1218 WILLOW	NJ 1219 WILLOW
NJ 1119 PINAL	NJ 1120 PINAL	NJ 1220 WILLOW	NJ 1221 WILLOW	NJ 1222 WILLOW
NJ 1121 PINAL	NJ 1122 PINAL	NJ 1223 WILLOW	NJ 1224 WILLOW	NJ 1225 WILLOW
NJ 1123 PINAL	NJ 1124 PINAL	NJ 1226 WILLOW	NJ 1227 WILLOW	NJ 1228 WILLOW
NJ 1125 PINAL	NJ 1126 PINAL	NJ 1229 WILLOW	NJ 1230 WILLOW	NJ 1231 WILLOW
NJ 1127 PINAL	NJ 1128 PINAL	NJ 1232 WILLOW	NJ 1233 WILLOW	NJ 1234 WILLOW
NJ 1129 PINAL	NJ 1130 PINAL	NJ 1235 WILLOW	NJ 1236 WILLOW	NJ 1237 WILLOW
NJ 1131 PINAL	NJ 1132 PINAL	NJ 1238 WILLOW	NJ 1239 WILLOW	NJ 1240 WILLOW

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

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO BUREAU MEMBERS

SAMPLE POINT: HILLSIDE

1. Head letters identifying 100,000 meter square in which the point lies.

2. Locate first vertical, and line to left of point and read LARGE figures labeling the line either in the top or bottom margin, or on the line itself.

3. Estimate tenths from grid line to point.

4. Locate first horizontal grid line below point and read LARGE figures labeling the line either in the left or right margin, or on the line itself.

5. Estimate tenths from grid line to point.

SAMPLE REFERENCE: If transverse Mercator is in use, direction, sample Grid Zone Designation, is: 17TUPR410

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GRID ZONE DESIGNATION: 17TUPR410
100,000 M. SQUARE IDENTIFICATION: 17TUPR410

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