



Base prepared by the Army Map Service (KGLD), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1959 by photogrammetric methods and from United States Quadrangles, 1:250,000, 1:500,000, AMS, 1949-51. Planimetric detail revised by photogrammetric methods. Horizontal and vertical control by USGS USC&GS, USC&S, USFS, Missouri River Commission. Photography field annotated 1958.

100,000-FOOT PLANE COORDINATE GRID TICK SYMBOLS

INDEX TO COUNTY BOUNDARIES  
 (See county designations list for county identification)

PLANE COORDINATE ZONES  
 MONTANA CENTRAL MONTANA SOUTH

**HORIZONTAL CONTROL**

**Coast & Geodetic Survey**

- Monumented Point - First Order
- Monumented Point - Second Order
- Monumented Point - Third Order
- Located Object - Third Order
- See separate index for names of numbered stations.
- Station reported not recovered
- Measured Base - Electronic or Taped
- Line of triangulation observed
- Line of triangulation observed from one end only
- Measured Length - Electronic or Taped
- Theodolite Traverse - Electronic Distance
- Transit Traverse - Taped Distance Third Order
- Transit Traverse and Leveling Third Order

**Geological Survey**

- Monumented Point - First Order
- Monumented Point - Second Order
- Monumented Point - Third Order
- Located Object - Third Order
- See separate index for names of numbered stations.
- Station reported not recovered
- Measured Base - Electronic or Taped
- Line of triangulation observed
- Line of triangulation observed from one end only
- Measured Length - Electronic or Taped
- Theodolite Traverse - Electronic Distance
- Transit Traverse - Taped Distance Third Order
- Transit Traverse and Leveling Third Order

**VERTICAL CONTROL**

**Coast & Geodetic Survey**

- First Order
- Second Order
- Third Order

**Geological Survey**

- First Order
- Second Order
- Third Order

**STATE SURVEY CONTROL**

Horizontal or Vertical

Horizontal

Vertical

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

SECTIONIZED TOWNSHIP

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

TRANSVERSE MERCATOR PROJECTION

TOWNSHIP OR RANGE LINE

LAND GRANT BOUNDARY

LEGEND

RAILROADS

- Single track Double or Multiple
- Narrow gauge
- Interlocking
- State
- County
- Park or reservation

BOUNDARIES

- International
- State
- County
- Park or reservation

Landmarks: School, Church, Other, etc.

Horizontal control point

Spot elevation in feet

Marsh or swamp

Intermittent or dry stream

Power line

**COAST AND GEODETIC SURVEY**

THIRTY MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

46 111 2	46 111 1	46 110 4	46 110 1
46 111 3	46 111 2	46 110 3	46 110 2

LOCATION DIAGRAM FOR NL 12-5

ORDER CONTROL DATA, SHOWN IN BLACK, BY 30 MINUTE QUADRANGLE UNITS FROM COAST & GEODETIC SURVEY, ESSA, ROCKVILLE, MARYLAND 20852.

**GEOLOGICAL SURVEY**

FIFTEEN MINUTE QUADRANGLE DESIGNATION

INDEX TO COUNTY BOUNDARIES

224	225	226	227	228	229	230	231
232	233	234	235	236	237	238	239
240	241	242	243	244	245	246	247
248	249	250	251	252	253	254	255

ORDER CONTROL DATA, SHOWN IN RED, BY 15 MINUTE QUADRANGLE UNITS FROM DIRECTOR, GEOLOGICAL SURVEY, WASHINGTON, D.C. 20024.

WHITE SULPHUR SPRINGS, MONT (NL 12-5)  
 OCTOBER 1958

WHITE SULPHUR SPRINGS, MONTANA (NL 12-5)  
 OCTOBER 1958

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