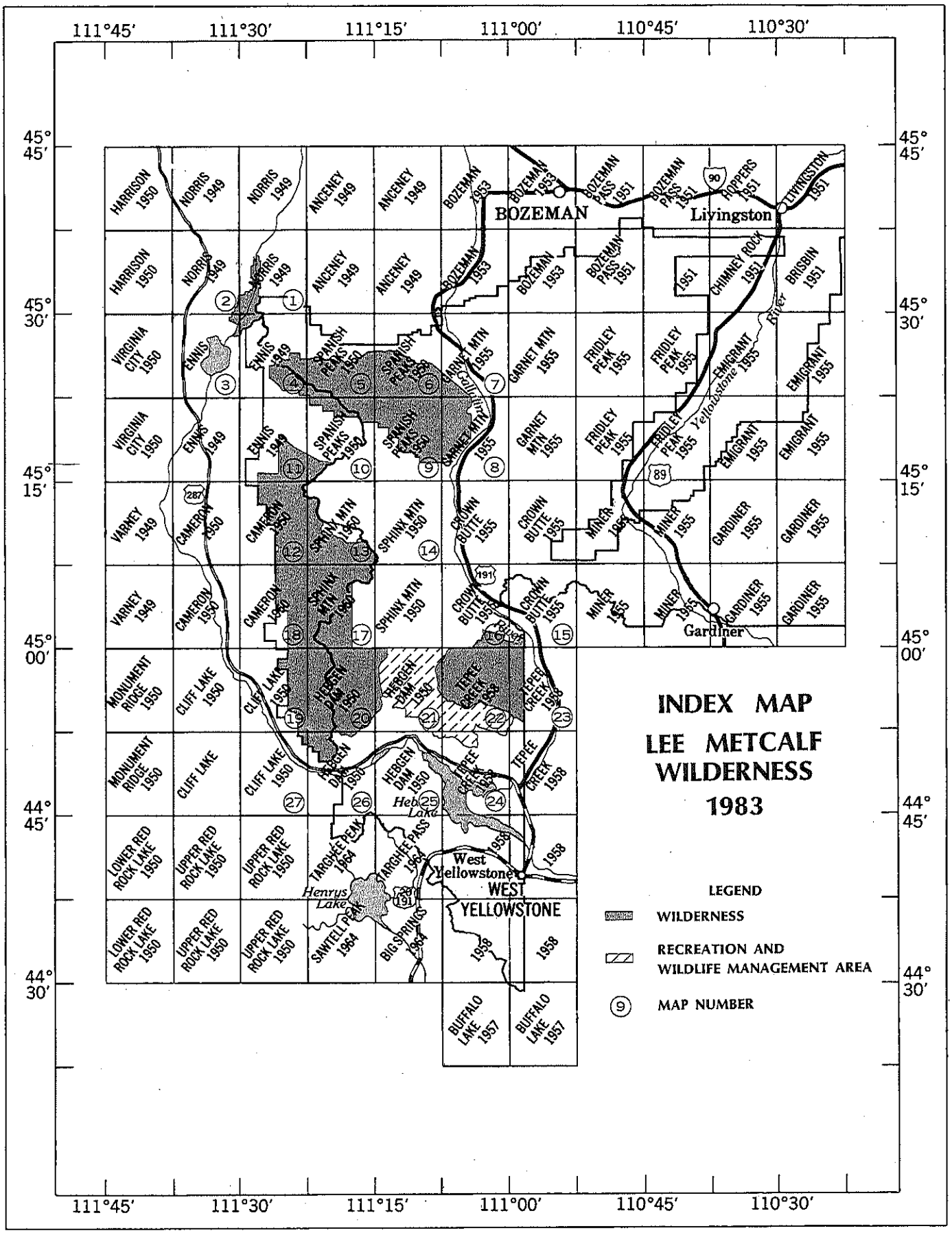
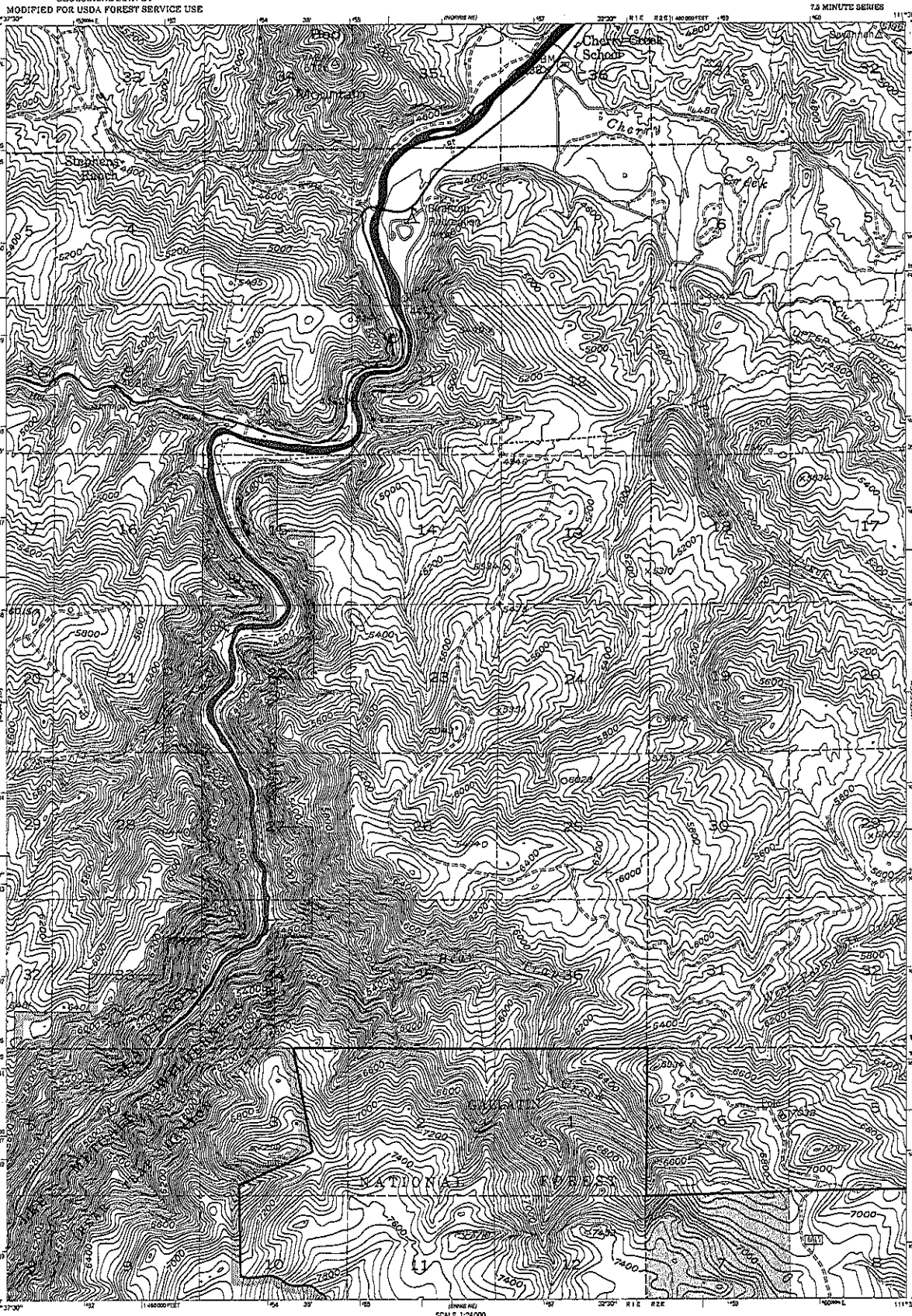

INDEX MAP
LEE METCALF
WILDERNESS
1983
LEGEND
WILDERNESS
RECREATION AND
WILDLIFE MANAGEMENT AREA
MAP NUMBER
111°45′
111°30′
111°15′
111°00′
110°45′
110°30′
45° 45′
45° 30′
45° 15′
45° 00′
44° 45′
44° 30′
BOZEMAN
Livingston
Gardiner
West Yellowstone
WEST YELLOWSTONE
Yellowstone River
Henrys Lake
Heb Lake
HARRISON 1950
NORRIS 1949
ANCENEY 1949
BOZEMAN 1953
BOZEMAN PASS 1951
HOPPERS 1951
LIVINGSTON 1951
CHIMNEY ROCK 1951
BRISBIN 1951
VIRGINIA CITY 1950
ENNIS 1949
SPANISH PEAKS 1950
GARNET MTN 1955
FRIDLEY PEAK 1955
EMIGRANT 1955
VARNEY 1949
CAMERON 1950
SPHINX MTN 1950
CROWN BUTTE 1955
MINER 1955
GARDINER 1955
MONUMENT RIDGE 1950
CLIFF LAKE 1950
HEBGEN DAM 1950
TEPEE CREEK 1958
LOWER RED ROCK LAKE 1950
UPPER RED ROCK LAKE 1950
TARGHEE PEAK 1964
TARGHEE PASS 1964
SAWTELL PEAK 1964
BIG SPRINGS 1964
BUFFALO LAKE 1957
1958

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

NORRIS SE QUADRANGLE
MONTANA—MADISON CO.
7.5 MINUTE SERIES



Stereo compilation by Fairchild Aerial Surveys, Inc. for the Bureau of Reclamation
Field examination and publication by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin

Control by USGS and USCAGS

Topography from aerial photographs by stereoplanetrach methods. Aerial photographs taken 1947. Field check 1949

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone

1000-meter Universal Transverse Mercator grid ticks, zone 12.

INTERMEDIATE EDITION

Modification to USGS base map by the Geoinformance Service Center from 1979 correction guide furnished by the Northern Region

Photo scaler compiled by the Regional Office, Missoula, Montana, from aerial photographs taken 1972 and 1973

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

LEGEND

- National Forest Boundary
- Alienated Land within the National Forest Boundary
- Primary Highway
- Secondary Highway
- Light Duty Road
- Primitive Road
- Trail
- Gate
- Interstate Highway
- U.S. Highway
- State Highway
- County Road
- Forest Road
- Forest Trail

TOWNSHIP AND SECTION LINE CLASSIFICATION

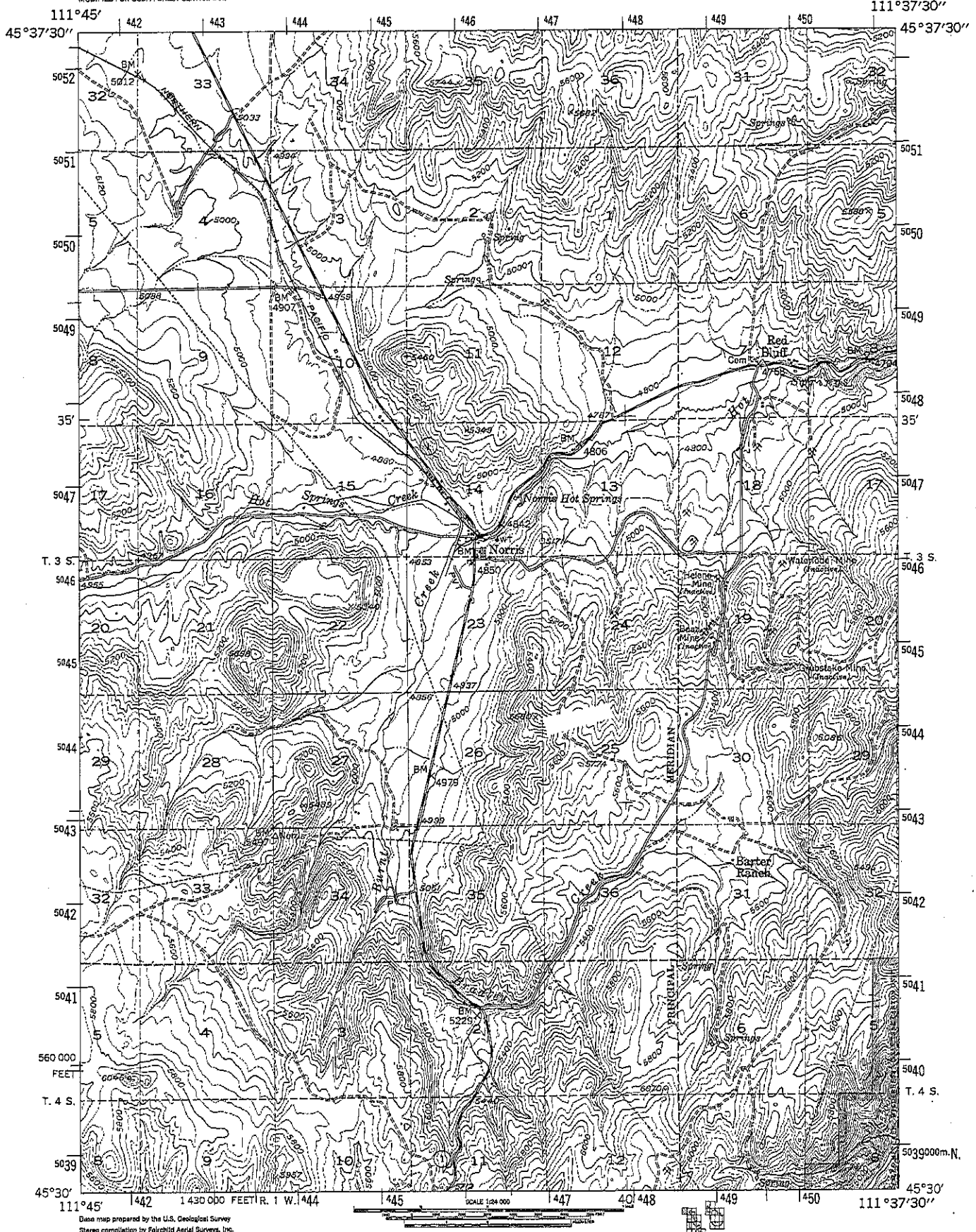
- Surveyed, Location Reliable
- Surveyed, Location Approximate
- Unsurveyed, Protracted

UTM GRID AND 1978 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

BEAVERHEAD NATIONAL FOREST

NORRIS SE, MONT.
N4630—W11130/7.5
1949

1



Base map prepared by the U.S. Geological Survey

Stereo compilation by Fairchild Aerial Surveys, Inc.
for the Bureau of Reclamation
Field examination and publication by the Geological Survey
as part of the Department of the Interior program
for the development of the Missouri River Basin

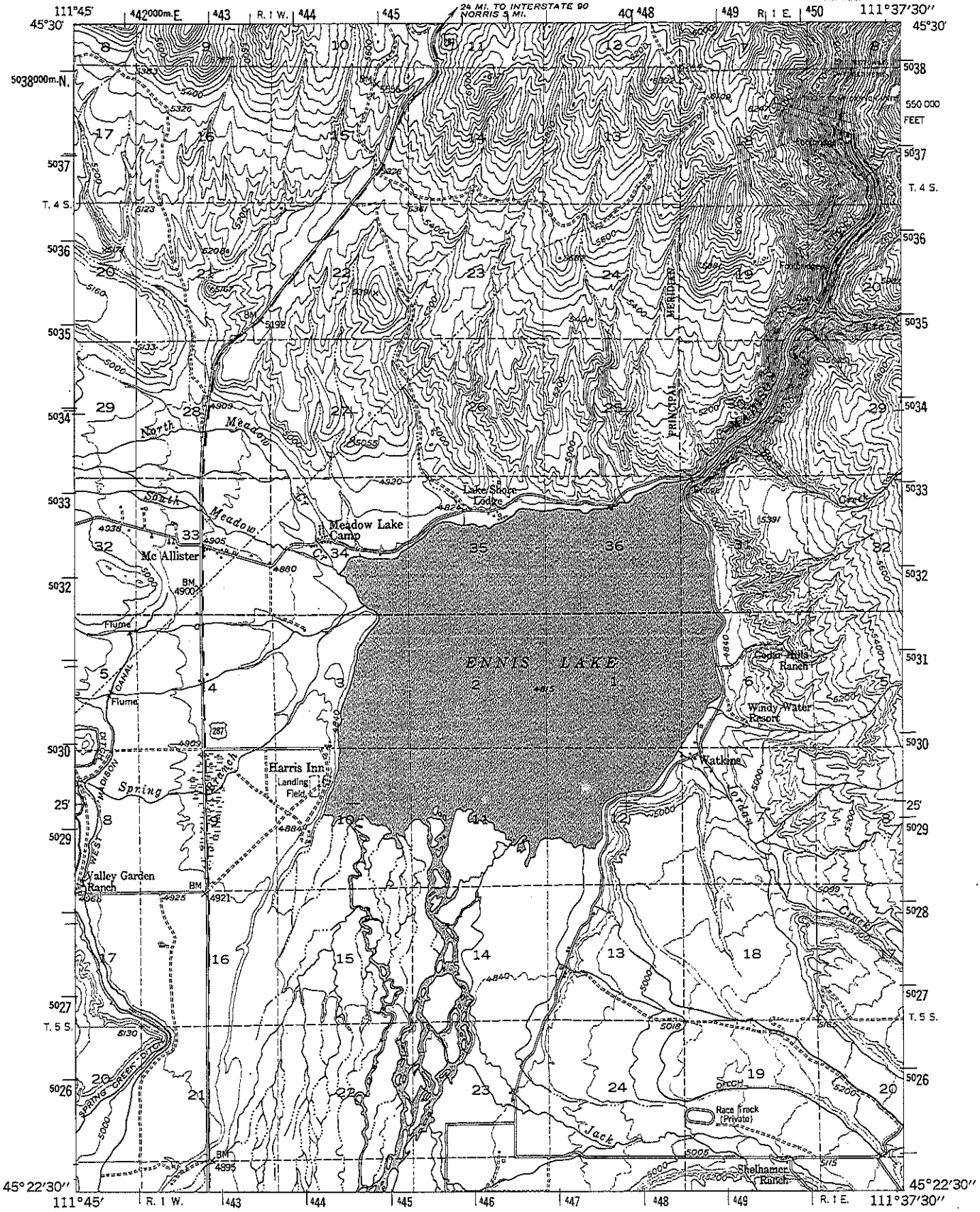
Control by USGS and USC&GS

Topography from aerial photographs by stereoplanigraph methods 1946.Aerial photographs taken 1947. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 12

INTERMEDIATE EDITION

This map does not meet accuracy standards



Base map prepared by the U.S. Geological Survey
Stereo compilation by Fairchild Aerial Surveys, Inc.
for the Bureau of Reclamation
Field examination and publication by the Geological Survey
as part of the Department of the Interior program
for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by stereoplanigraph methods 1948.Aerial photographs taken 1947. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 12

INTERMEDIATE EDITION

This map does not meet accuracy standards

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

LEGEND

TOWNSHIP AND SECTION LINE CLASSIFICATION
- National Forest Boundary
- Allocated Land within the National Forest Boundary
- Surveyed, Location Reliable
- Surveyed, Location Unreliable
- Unsurveyed, BLM Protraction

- Primary Highway
- Secondary Highway
- Light Duty Road
- Primitive Road
- Trail
- Interstate
- U.S. Highway
- State Highway
- County Highway
- Forest Road
- Forest Trail

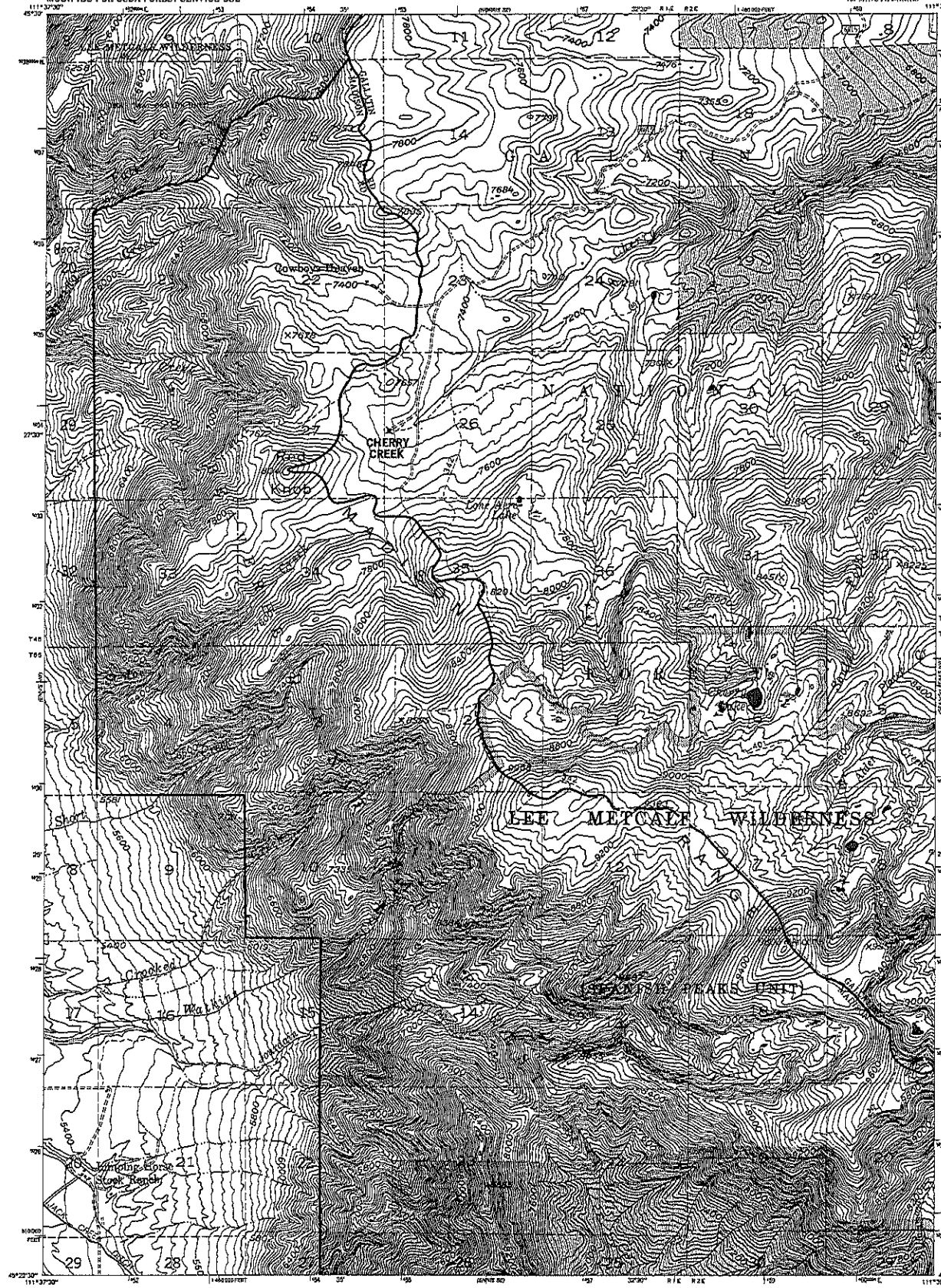
GALLATIN NATIONAL FOREST
QUADRANGLE LOCATION DIAGRAM

ENNIS N.W., MONTANA
N4522.5-W11137.5/7.5
1948
511-3-1-3

3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

ENNIS NE QUADRANGLE
MONTANA—MADISON CO.
7.5 MINUTE SERIES



Editing compilation by Fairchild Aerial Surveys, Inc., for the Bureau of Reclamation
Field examination and publication by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by stereophotograph methods 1948. Aerial photographs taken 1947. Field check 1949

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone

1000-meter Universal Transverse Mercator grid ticks, zone 12

INTERMEDIATE EDITION

Modification to USGS base map by the Geographics Service Center from 1979 correction guides furnished by the Northern Region

Photo transfer completed by the Regional Office, Missoula, Montana, from aerial photographs taken 1972 and 1973

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

LEGEND

- National Forest Boundary
- Alienated Land within the National Forest Boundary
- Primary Highway
- Secondary Highway
- Light Duty Road
- Primitive Road
- Trail
- Gate
- Interstate Highway
- U.S. Highway
- State Highway
- County Road
- Forest Road
- Forest Trail

TOWNSHIP AND SECTION LINE CLASSIFICATION

- Surveyed, Location Reliable
- Surveyed, Location Approximate
- Unsurveyed, Protracted

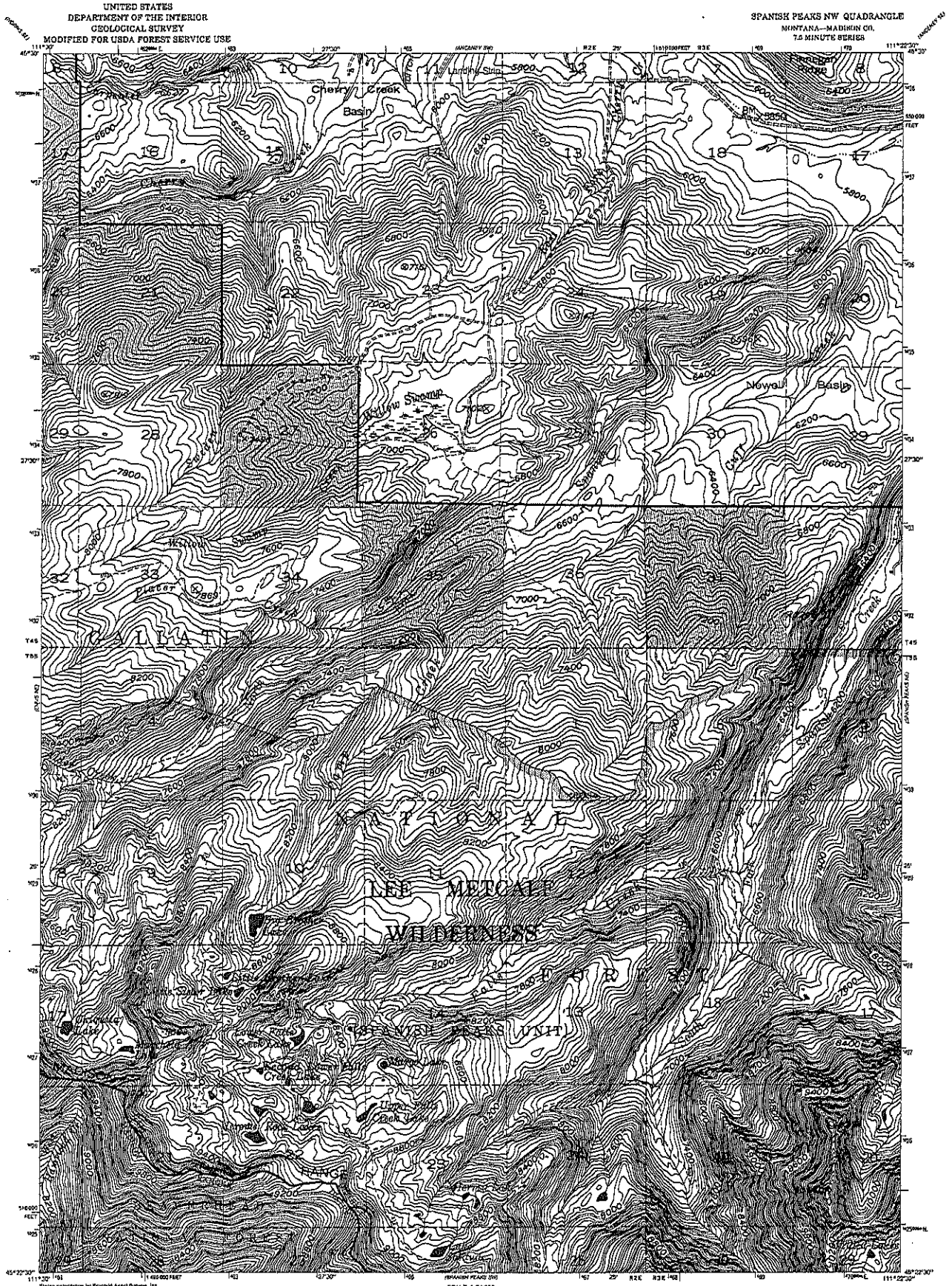
BEAVERHEAD NATIONAL FOREST

ENNIS NE, MONT.
N4522.5—W11130/7.5
1949

4

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

SPANISH PEAKS NW QUADRANGLE
MONTANA—MADISON CO.
7.5 MINUTE SERIES



Stereo compilation by Fairchild Aerial Surveys, Inc. for the Bureau of Reclamation.
Field examination and publication by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin.

Gained by USGS and USGS/GS

Topography from aerial photographs by stereoplanigraph. Methods 1948. Aerial photographs taken 1947. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone

1000-meter Universal Transverse Mercator grid ticks, zone 12

INTERMEDIATE EDITION

Modification to USGS base map by the Geometronics Service Center from 1978 correction guides furnished by the Northern Region

Photo transfer compiled by the Regional Office, Missoula, Montana, from aerial photographs taken 1972 and 1973

Landmark revised according to additional Forest Service evidence

SCALE 1:24 000

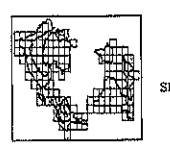
CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

LEGEND

National Forest Boundary
Alienated Land within the National Forest Boundary
TOWNSHIP AND SECTION LINE CLASSIFICATION
Surveyed, Location Reliable
Surveyed, Location Approximate
Unsurveyed, Protracted

Primary Highway
Secondary Highway
Light Duty Road
Primitive Road
Trail
Gate

Interstate Highway
U.S. Highway
State Highway
County Road
Forest Road
Forest Trail



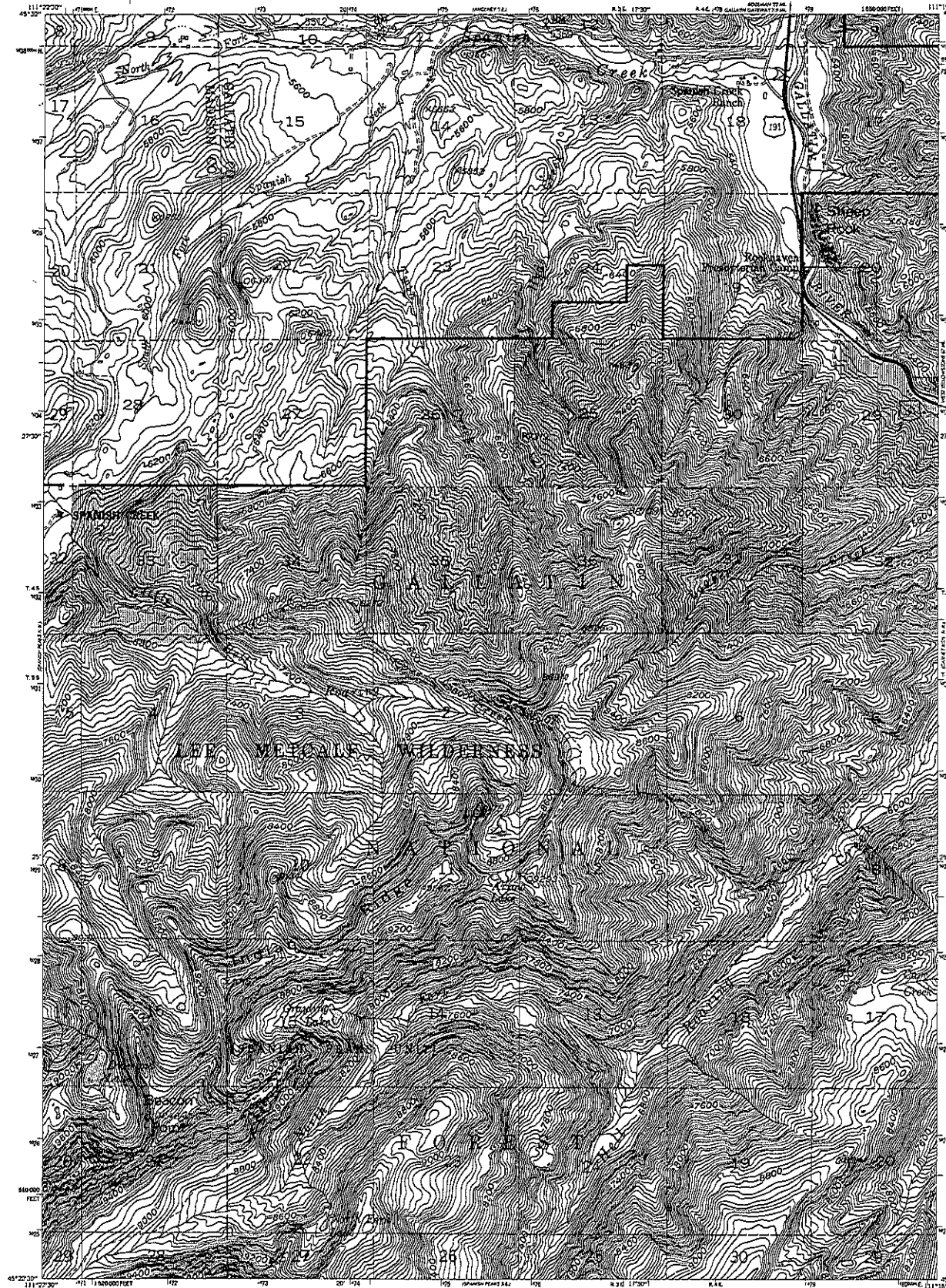
SEAVERHEAD NATIONAL FOREST

SPANISH PEAKS NW, MONT.
N4522.5—W11122.5/7.5
1950

5

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

SPANISH PEAKS N.E. QUADRANGLE
MONTANA
7.5 MINUTE SERIES



Base map prepared by the U.S. Geological Survey

Stereo compilation by Fairchild Aerial Surveys, Inc.
for the Bureau of Reclamation
Field examination and publication by the Geological Survey
as part of the Department of the Interior program
for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by stereoplanigraph methods 1948.Aerial photographs taken 1947. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

INTERMEDIATE EDITION

Modifications to USGS base map by the Geometronics Service Center from 1979 correction guides furnished by the Northern Region.

Photo transfer completed by the Regional Office Missoula, Montana from aerial photographs taken 1972 and 1975.

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

LEGEND

- National Forest Boundary
- Allotted Land within the National Forest Boundary

TOWNSHIP AND SECTION LINE CLASSIFICATION

- Surveyed, Location Reliable
- Surveyed, Location Unreliable
- Unsurveyed, BLM Protraction

- Primary Highway
- Secondary Highway
- Light Duty Road
- Primitive Road
- Trail
- Interstate
- U.S. Highway
- State Highway
- County Highway
- Forest Road
- Forest Trail

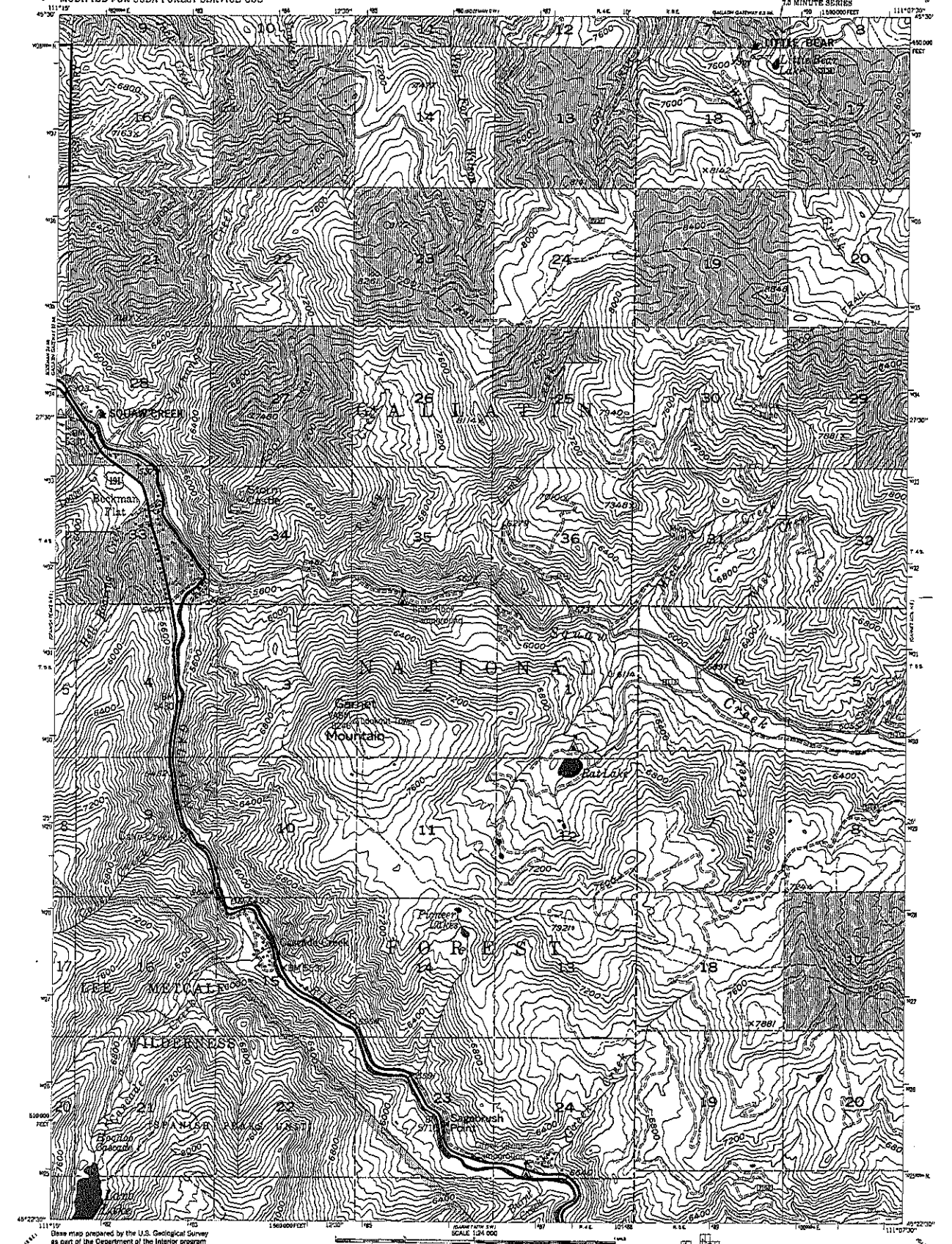
GALLATIN NATIONAL FOREST
QUADRANGLE LOCATION DIAGRAM

SPANISH PEAKS N.E., MONTANA
N4515—W11115/7.5
1950

6

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

GARNET MOUNTAIN N.W. QUADRANGLE
MONTANA
7.5 MINUTE SERIES



Base map prepared by the U.S. Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by stereoplanigraph methods 1948 for the Bureau of Reclamation and by multiplex methods 1964 by USGS
Aerial photographs taken 1947 and 1949. Field check 1955

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone

1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

INTERMEDIATE EDITION

Modifications to USGS base map by the Geomatronics Service Center from 1979 correction guides furnished by the Northern Region.

Photo transfer completed by the Regional Office Missoula, Montana from aerial photographs taken 1972 and 1975.

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

LEGEND

- National Forest Boundary
- Alienated Land within the National Forest Boundary
- TOWNSHIP AND SECTION LINE CLASSIFICATION
- Surveyed, Location Reliable
- Surveyed, Location Unreliable
- Unsurveyed, BLM Protraction
- Primary Highway
- Secondary Highway
- Light Duty Road
- Primitive Road
- Trail
- Interstate
- U.S. Highway
- State Highway
- County Highway
- Forest Road
- Forest Trail

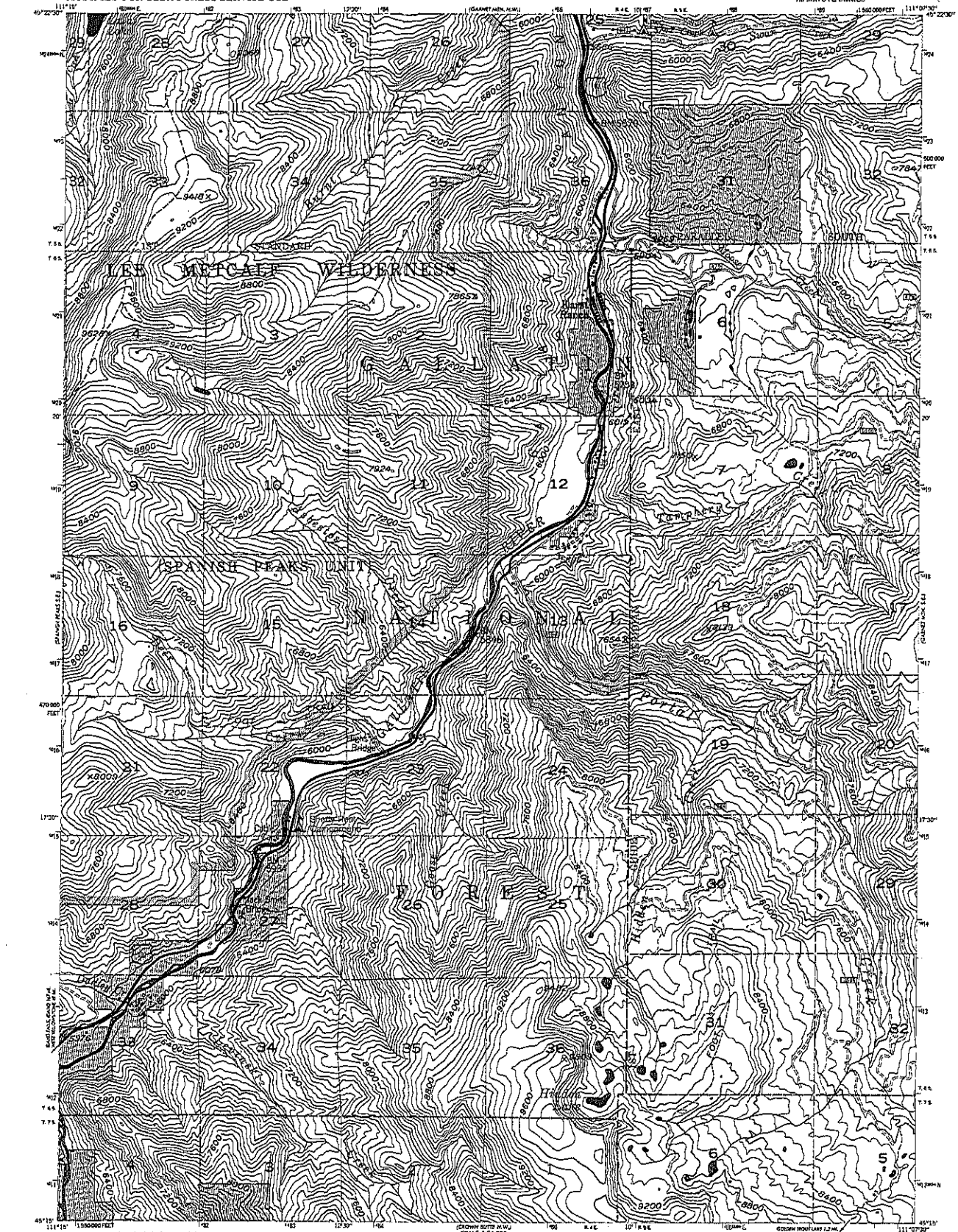
GALLATIN NATIONAL FOREST
QUADRANGLE LOCATION DIAGRAM

GARNET MOUNTAIN N.W.
MONTANA
N4522.5—W11107.5/7.5
1955

7

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

GARNET MOUNTAIN S.W. QUADRANGLE
MONTANA
7.5 MINUTE SERIES



Base map prepared by the U.S. Geological Survey as part of the Department of the interior program for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by stereoplanigraph methods 1946 for the Bureau of Reclamation and by multiplex methods 1954 by USGS
Aerial photographs taken 1947 and 1949. Field check 1955

Polyconic projection, 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone

1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

INTERMEDIATE EDITION

Modifications to USGS base map by the Geometronics Service Center from 1979 correction guides furnished by the Northern Region.

Photo inspection completed by the Regional Office Missoula, Montana from aerial photographs taken 1972 and 1975.

SCALE 1:24 000

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

UTM GRID AND 1978 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

LEGEND

- National Forest Boundary
- Alienated Land within the National Forest Boundary
- TOWNSHIP AND SECTION LINE CLASSIFICATION
- Surveyed, Location Reliable
- Surveyed, Location Unreliable
- Unsurveyed, GLM Protraction
- Primary Highway
- Secondary Highway
- Light Duty Road
- Primitive Road
- Trail
- Interstate
- U.S. Highway
- State Highway
- County Highway
- Forest Road
- Forest Trail

GALLATIN NATIONAL FOREST
QUADRANGLE LOCATION DIAGRAM

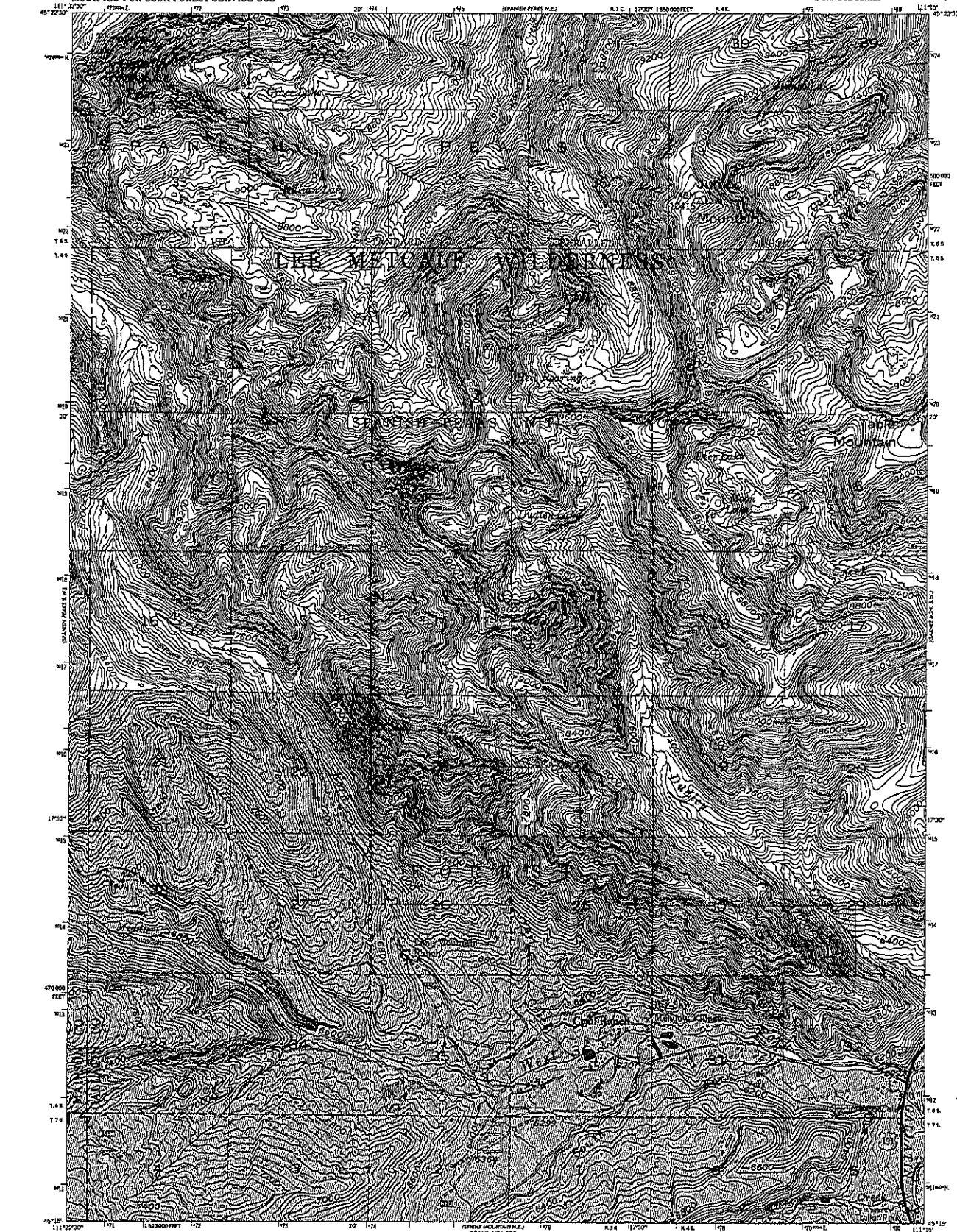
GARNET MOUNTAIN S.W.
MONTANA
N4515—W11107.5/7.5

1986

8

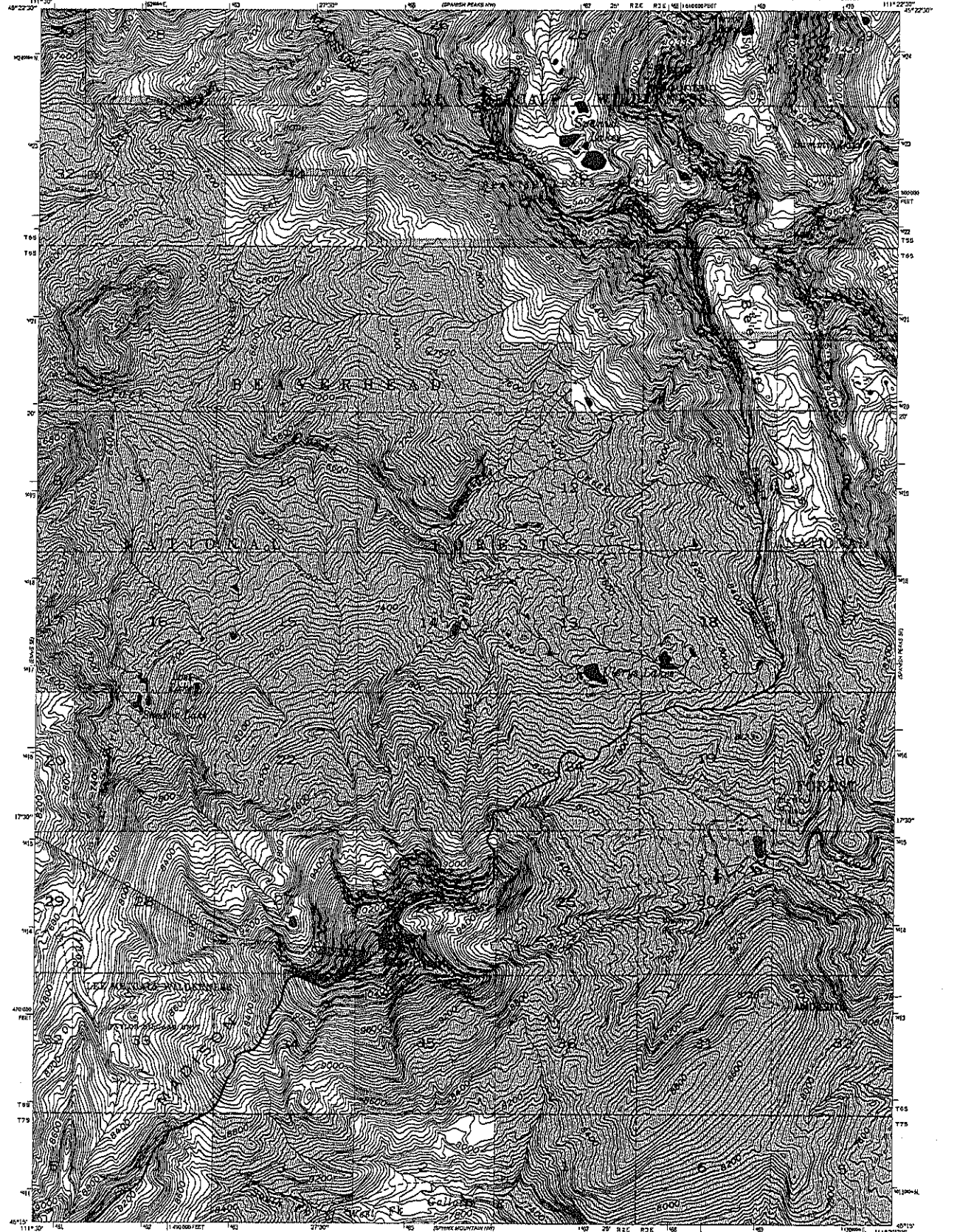
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

SPANISH PEAKS S.E. QUADRANGLE
MONTANA
7.5 MINUTE SERIES


LEE METCALF WILDERNESS
SPANISH PEAKS WILDERNESS
Table Mountain
Hyalite Lake
Hyalite Creek
Middle Fork
West Fork
Cedar Park
Creek
Mountain
Mountain
Mountain

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

SPANISH PEAKS SW QUADRANGLE
MONTANA—MADISON CO.
7.5 MINUTE SERIES



Stereo compilation by Fairchild Aerial Surveys, Inc., for the Bureau of Reclamation
Field examination and publication by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by stereoplanigraph methods 1948. Aerial photographs taken 1947. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone

1000-meter Universal Transverse Mercator grid ticks, zone 12

INTERMEDIATE EDITION

Modification to USGS base map by the Geometrics Service Center from 1979 correction guides furnished by the Northern Region

Photo transfer completed by the Regional Office, Missoula, Montana, from aerial photographs taken 1972 and 1973

Landnet revised according to additional Forest Service evidence

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

LEGEND

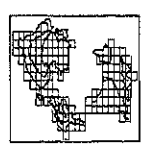
National Forest Boundary
Alienated Land within the National Forest Boundary

TOWNSHIP AND SECTION LINE CLASSIFICATION

Surveyed, Location Reliable
Surveyed, Location Approximate
Unsurveyed, Protracted

Primary Highway
Secondary Highway
Light Duty Road
Primitive Road
Trail
Gate

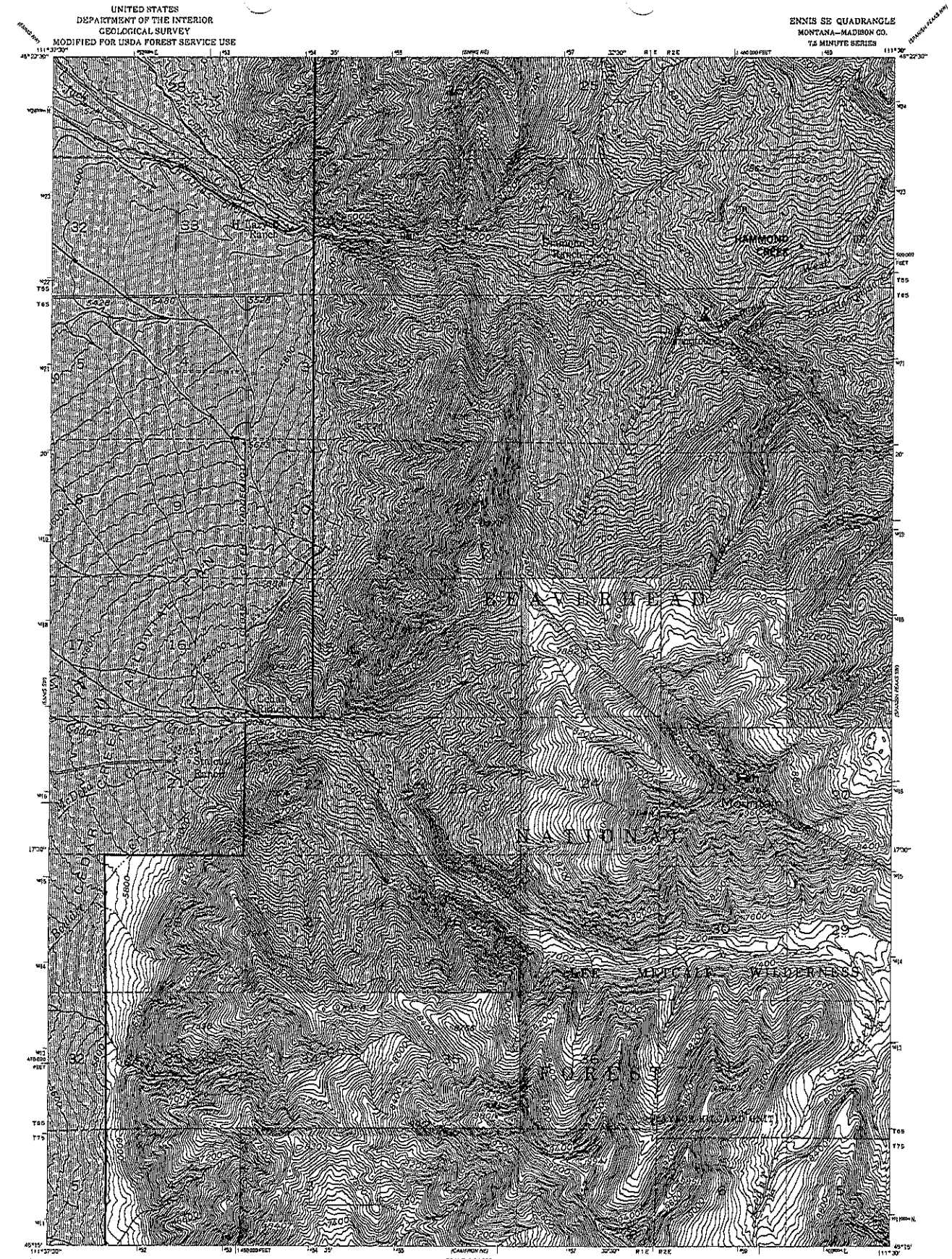
Interstate Highway
U.S. Highway
State Highway
County Road
Forest Road
Forest Trail



BEAVERHEAD NATIONAL FOREST

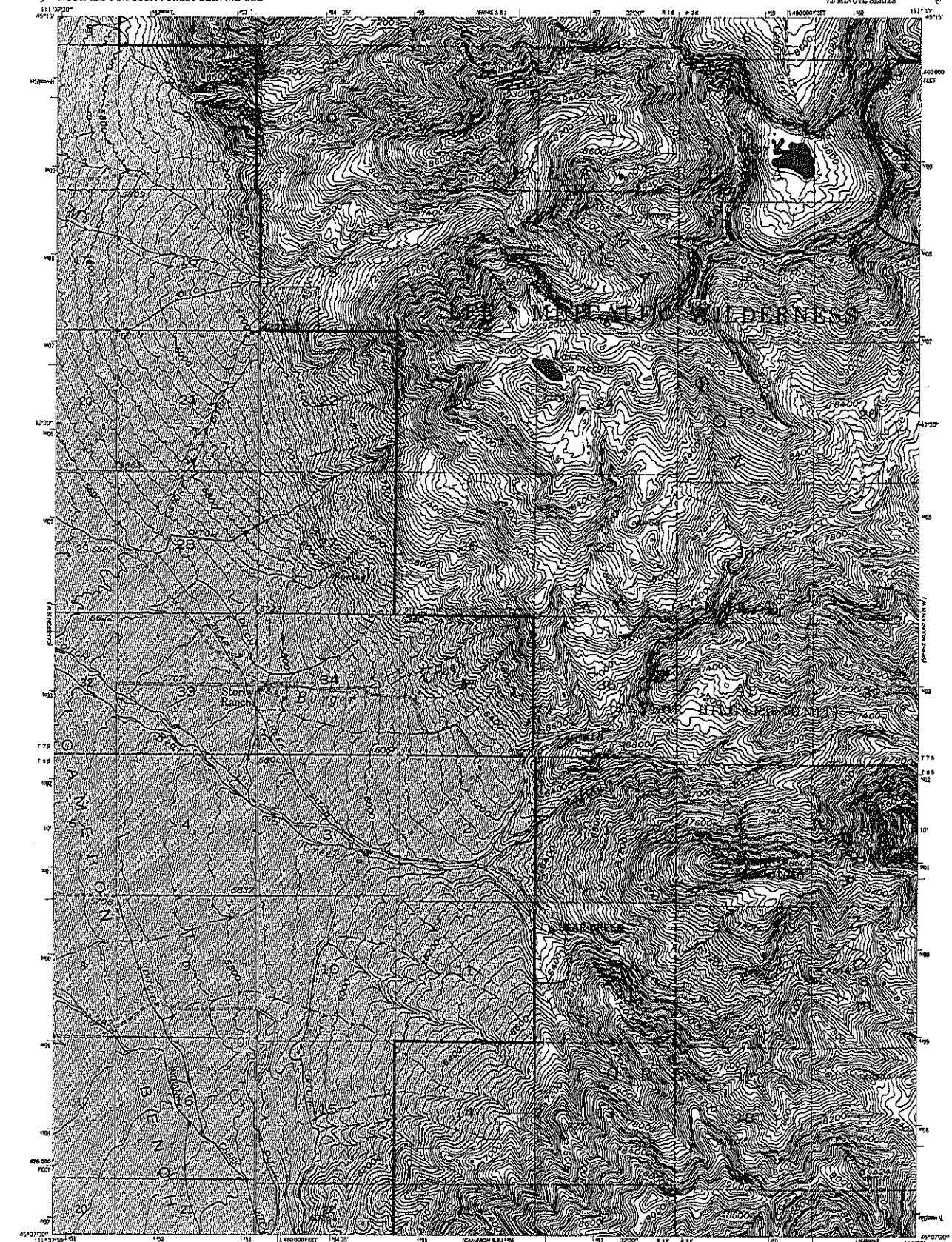
SPANISH PEAKS SW, MONT.
N4815—W11122.5/7.5
1950

10


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE
ENNIS SE QUADRANGLE
MONTANA—MADISON CO.
7.5 MINUTE SERIES
BEAVERHEAD NATIONAL FOREST
SCALE 1:24 000
CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL.
LEGEND
National Forest Boundary
Alienated Land within the National Forest Boundary
TOWNSHIP AND SECTION LINE CLASSIFICATION
Surveyed, Location Reliable
Surveyed, Location Approximate
Unsurveyed, Protracted
Primary Highway
Secondary Highway
Light Duty Road
Primitive Road
Trail
Gate
Interstate Highway
U.S. Highway
State Highway
County Road
Forest Road
Forest Trail
BEAVERHEAD NATIONAL FOREST
ENNIS SE, MONT.
N4515—W11130/7.5
1949
11

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

CAMERON NE QUADRANGLE
MONTANA—MADISON CO.
7.5 MINUTE SERIES



Stereo compilation by Fairchild Aerial Surveys, Inc.
for the Bureau of Reclamation
Field examination and publication by the Geological Survey
as part of the Department of the Interior program
for the development of the Missouri River Basin

Control by USGS and USCAGE

Topography from aerial photographs by stereoscopic
methods 1946. Aerial photographs taken 1947. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system,
south zone

1000-meter Universal Transverse Mercator grid ticks,
zone 12

INTERMEDIATE EDITION

Modifications to USGS base map by the Geometronics Service
Center from 1979 correction guides furnished by the
Northern Region

Photo transfer completed by the Regional Office Missoula,
Montana from aerial photographs taken 1972 and 1973

UTM GRID AND 1978 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

LEGEND

- National Forest Boundary
- Alienated Land within the National Forest Boundary

TOWNSHIP AND SECTION LINE CLASSIFICATION

- Surveyed, Location Reliable
- Surveyed, Location Approximate
- Unsurveyed, Protracted

- Primary Highway
- Secondary Highway
- Light Duty Road
- Primative Road
- Trail
- Gate

- Interstate Highway
- U.S. Highway
- State Highway
- County Road
- Forest Road
- Forest Trail

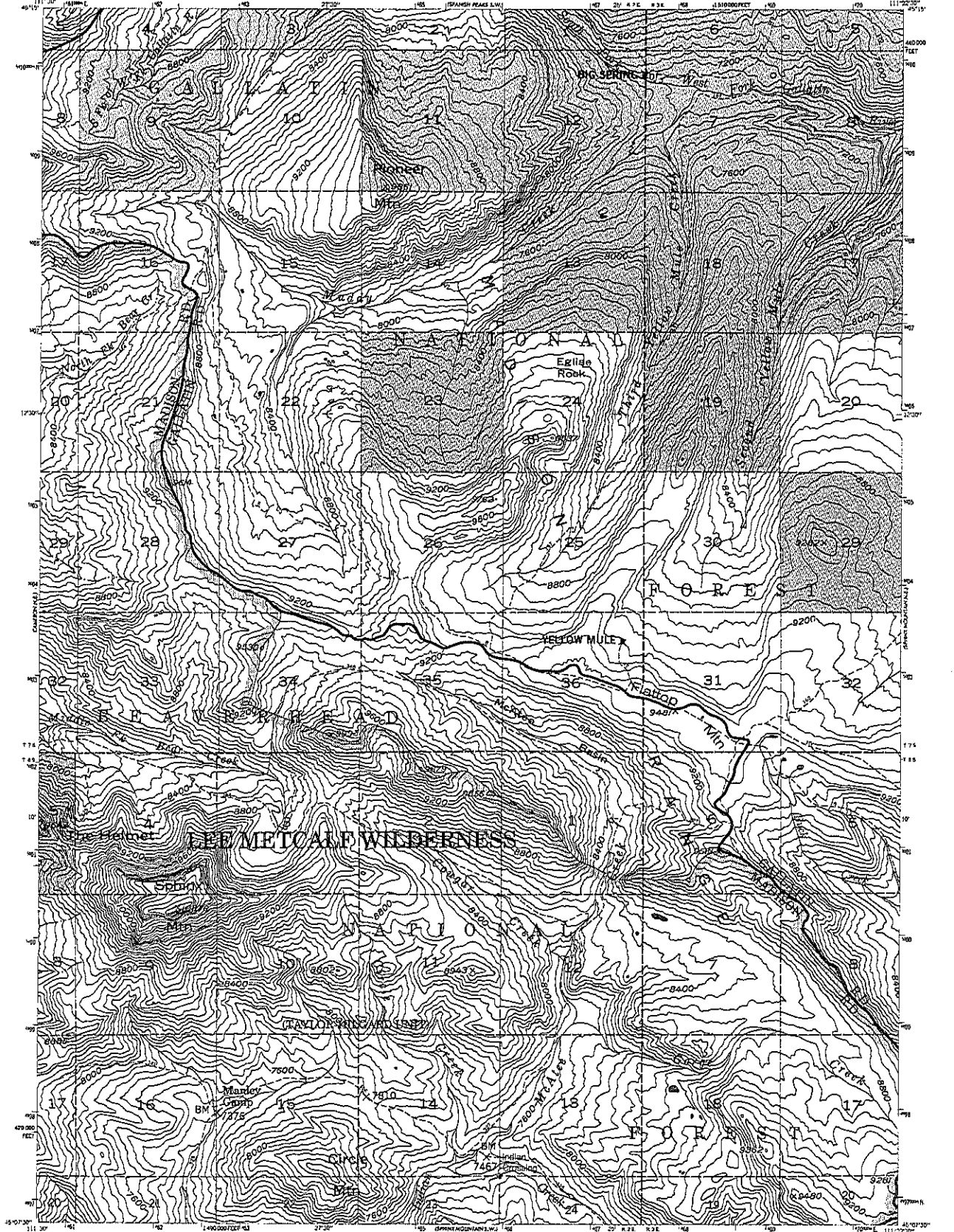
BEAVERHEAD NATIONAL FOREST

CAMERON NE, MONT.
N4507.5—W11130/7.5
1950

12

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

SPHINX MOUNTAIN NW QUADRANGLE
MONTANA—MADISON CO.
7.5 MINUTE SERIES


LEE METCALF WILDERNESS
NATIONAL FOREST
BEAVERHEAD
Pioneer Mts
Sphinx Mtn
The Helmet
Circle Mtn
Marcy Camp
BM 7378
Indian Campground
BM 7467
Big Spring Creek
West Fork Indian Creek
Yellow Mule Creek
Yellow Mule
Flatiau Mtn
Merino Basin
Taylor Mine
Taylor Mine Road
Madison Canyon
Madison Canyon Road
Egg Rock
Ruby
Ruby Creek
South Fk. Ruby Creek
Ruby Creek Road
Ruby Creek Trail
Corral Creek
Corral Creek Trail
Fritz Creek
Fritz Creek Trail
Cabin Creek
Cabin Creek Trail
Horse Mule Creek
Horse Mule Creek Trail
Middle Fk. Bear Creek
Middle Fk. Bear Creek Trail
Bear Creek
Bear Creek Trail
Spanish Peaks Lake
Spanish Peaks Lake Trail
Spanish Peaks Lake Road
Spanish Peaks Lake Campground
Spanish Peaks Lake Boat Ramp
Spanish Peaks Lake Picnic Area
Spanish Peaks Lake Boat Ramp Road
Spanish Peaks Lake Picnic Area Road
Spanish Peaks Lake Campground Road
Spanish Peaks Lake Boat Ramp Trail
Spanish Peaks Lake Picnic Area Trail
Spanish Peaks Lake Campground Trail
Spanish Peaks Lake Boat Ramp Campground
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Spanish Peaks Lake Picnic Area Boat Ramp Campground Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp
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Spanish Peaks Lake Picnic Area Boat Ramp Campground Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp
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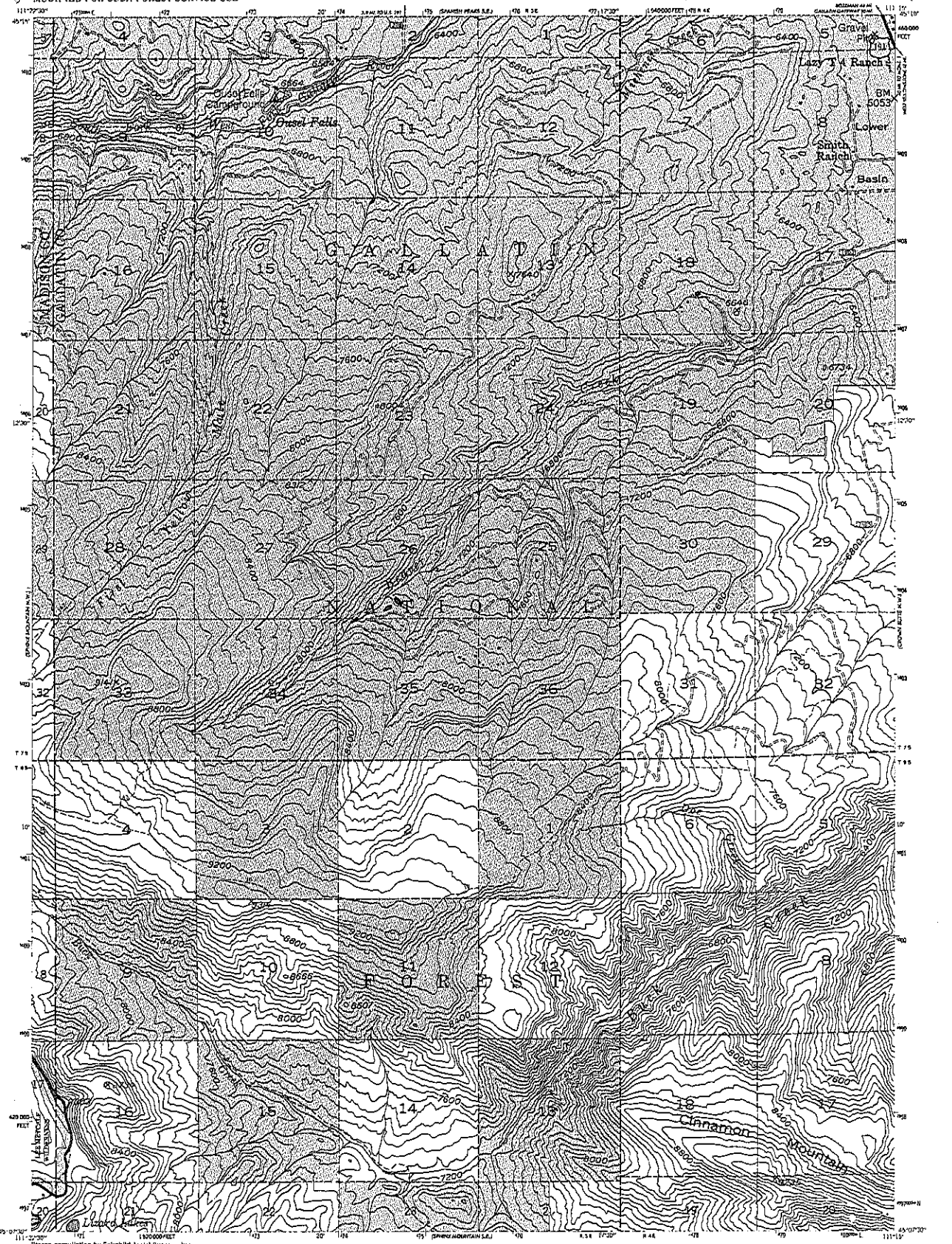
Spanish Peaks Lake Boat Ramp Campground Picnic Area Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp
Spanish Peaks Lake Picnic Area Campground Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp
Spanish Peaks Lake Campground Picnic Area Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp
Spanish Peaks Lake Boat Ramp Picnic Area Campground Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp
Spanish Peaks Lake Picnic Area Boat Ramp Campground Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp
Spanish Peaks Lake Campground Boat Ramp Picnic Area Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp Boat Ramp
Spanish Peaks Lake Boat Ramp Campground Picnic Area Boat Ramp

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

SPHINX MOUNTAIN NE QUADRANGLE
MONTANA
7.5 MINUTE SERIES



Stereo compilation by Fairchild Aerial Surveys, Inc. for the Bureau of Reclamation
Field examination and publication by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by stereoplanigraph methods 1948. Aerial photographs taken 1947. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone

1000-meter Universal Transverse Mercator grid ticks, zone 12.

INTERMEDIATE EDITION

Modifications to USGS base map by the Geometronics Service Center from 1979 correction guides furnished by the Northern Region.

Photo transfer completed by the Regional Office Missoula, Montana from aerial photographs taken 1972 and 1973

SCALE 1:24 000

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

LEGEND

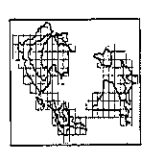
National Forest Boundary
Alienated Land within the National Forest Boundary as of 1979

TOWNSHIP AND SECTION LINE CLASSIFICATION

Surveyed, Location Reliable
Surveyed, Location Approximate
Unsurveyed, Protracted

Primary Highway
Secondary Highway
Light Duty Road
Primitive Road
Trail
Gate

Interstate Highway
U.S. Highway
State Highway
County Road
Forest Road
Forest Trail



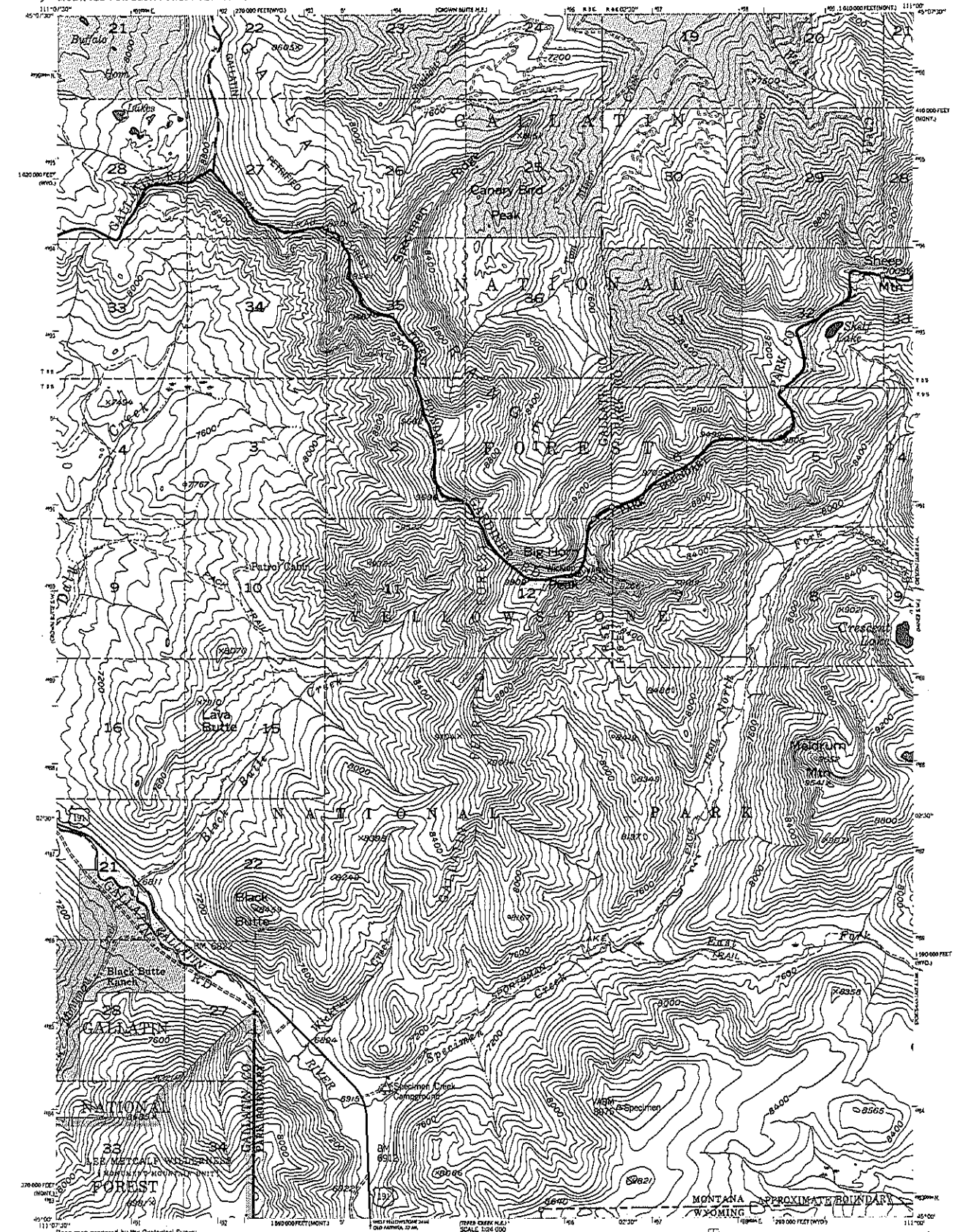
BEAVERHEAD NATIONAL FOREST

SPHINX MOUNTAIN NE. MONT.
N4507.5—W11115/7.5
1950

14

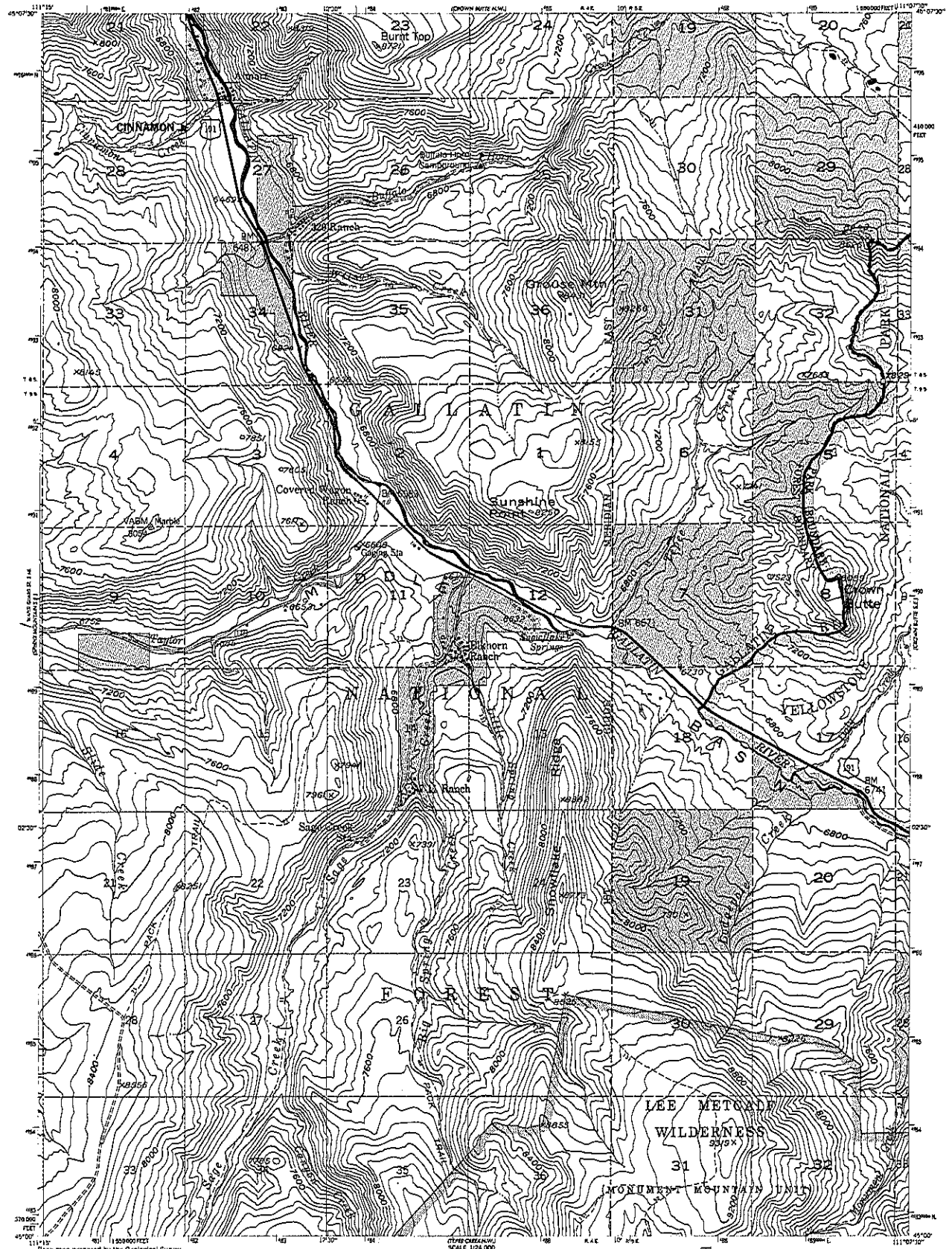
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

CROWN BUTTE S.E. QUADRANGLE
MONTANA
7.5 MINUTE SERIES


GALLATIN NATIONAL FOREST
YELLOWSTONE NATIONAL PARK
Buffalo Horn
Lakes
Canary Bird Peak
Sheep Mtn
Skaif Lake
Crescent Lake
Big Horn Peak
Futrol Cabin
Lava Butte
Black Butte
Black Butte Ranch
Specimen Creek Campground
Specimen
Mt Holmes
Mt Jackson
Mt Norris
Mt Haynes
Mt Evarts
Mt Aldrich
Mt Holland
Mt Hornaday
Mt Langford
Mt Schurz
Mt Wallace
Mt Wood
Mt Wright
Mt Hancock
Mt Doane
Mt Stevenson
Mt Sheridan
Mt Gardner
Mt Everts
Mt Washburn
Mt Dunraven
Mt Norris
Mt Haynes
Mt Evarts
Mt Aldrich
Mt Holland
Mt Hornaday
Mt Langford
Mt Schurz
Mt Wallace
Mt Wood
Mt Wright
Mt Hancock
Mt Doane
Mt Stevenson
Mt Sheridan
Mt Gardner
Mt Everts
Mt Washburn
Mt Dunraven
Specimen Ridge
Buffalo Horn Creek
Black Butte Creek
Fan Creek
Gallatin River
Gallatin Petrified Tree
Bighorn Pass
Bighorn Trail
Fan Creek Trail
Specimen Creek Trail
Black Butte Trail
Buffalo Horn Trail
Gallatin Petrified Tree Trail
Bighorn Pass

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

CROWN BUTTE S.W. QUADRANGLE
MONTANA
7.5 MINUTE SERIES



Base map prepared by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by stereoplanigraph methods 1948 for the Bureau of Reclamation and by multiplex methods 1954 by USGS
Aerial photographs taken 1947 and 1949. Field check 1955

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

INTERMEDIATE EDITION

Modifications to USGS base map by the Geomechanics Service Center from 1979 correction guides furnished by the Northern Region.

Photo transfer completed by the Regional Office Missoula, Montana from aerial photographs taken 1972 and 1975.

CONTOUR INTERVAL 80 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

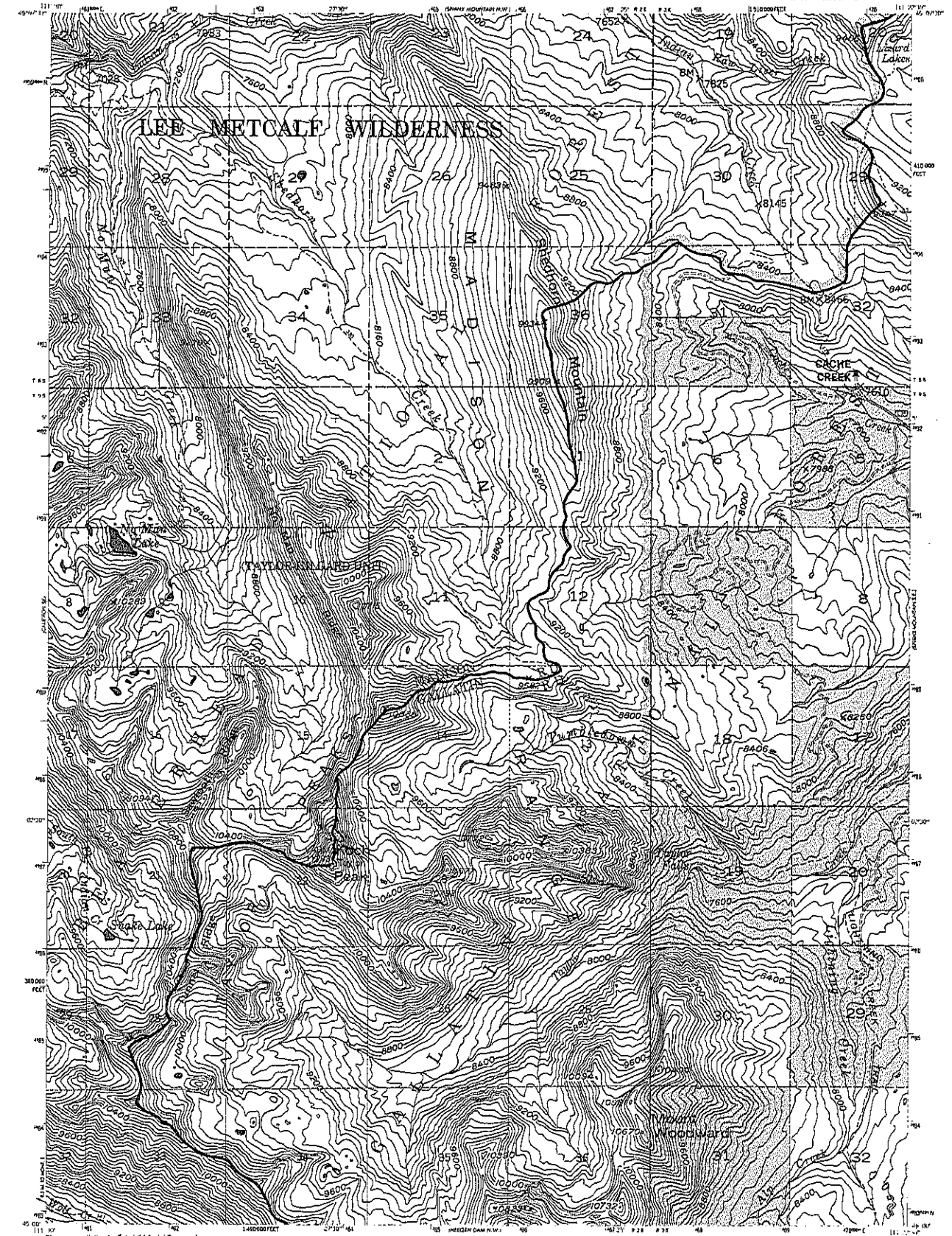
LEGEND

- National Forest Boundary
- Allotted Land within the National Forest Boundary
- TOWNSHIP AND SECTION LINE CLASSIFICATION
- Surveyed, Location Reliable
- Surveyed, Location Unreliable
- Unsurveyed, BLM Protraction
- Primary Highway
- Secondary Highway
- Light Duty Road
- Primitive Road
- Trail
- Interstate
- U.S. Highway
- State Highway
- County Highway
- Forest Road
- Forest Trail

GALLATIN NATIONAL FOREST
QUADRANGLE LOCATION DIAGRAM

CROWN BUTTE S.W., MONTANA
N4500—W1107.5/7.5
1955

16



Stereo compilation by Fairchild Aerial Surveys, Inc. for the Bureau of Reclamation
Field examination and publication by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by stereoscopic methods 1948. Aerial photographs taken 1947. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone

1,000-meter Universal Transverse Mercator grid ticks, zone 12.

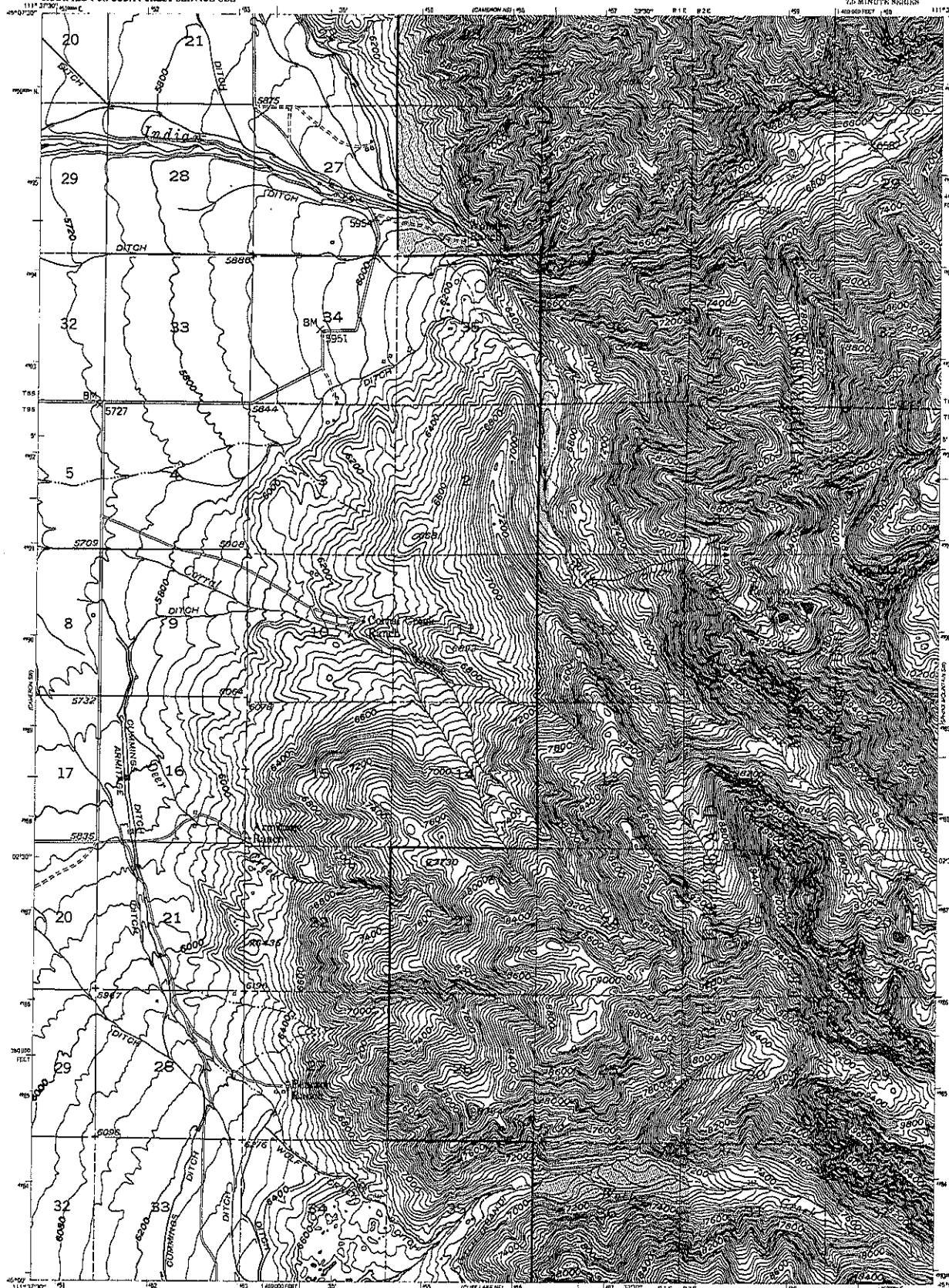
INTERMEDIATE EDITION

Modifications to USGS base map by the Geometronics Service Center from 1979 correction guides furnished by the Northern Region

Photo transfer completed by the Regional Office Missoula, Montana from aerial photographs taken 1972 and 1973

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

CAMERON SE QUADRANGLE
MONTANA—MADISON CO.
7.5 MINUTE SERIES



Shaded compilation by Fairchild Aerial Surveys, Inc., for the Bureau of Reclamation
Field examination and publication by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by stereophotograph methods 1946. Aerial photographs taken 1947. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone

1000-meter Universal Transverse Mercator grid ticks, zone 12

INTERMEDIATE EDITION

Modification to USGS base map by the Geophysics Branch Center from 1979 correction guides furnished by the Bonneville Region

Photo transfer completed by the Regional Office, Missoula, Montana, from aerial photographs taken 1972 and 1973

Land(s) revised according to additional Forest Service guidance

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

LEGEND

- National Forest Boundary
- Attempted Land within the National Forest Boundary

TOWNSHIP AND SECTION LINE CLASSIFICATION

- Surveyed, Location Reliable
- Surveyed, Location Approximate
- Unsurveyed, Protracted

- Primary Highway
- Secondary Highway
- Light Duty Road
- Primitive Road
- Trail
- Gate
- Interstate Highway
- U.S. Highway
- State Highway
- County Road
- Forest Road
- Forest Trail

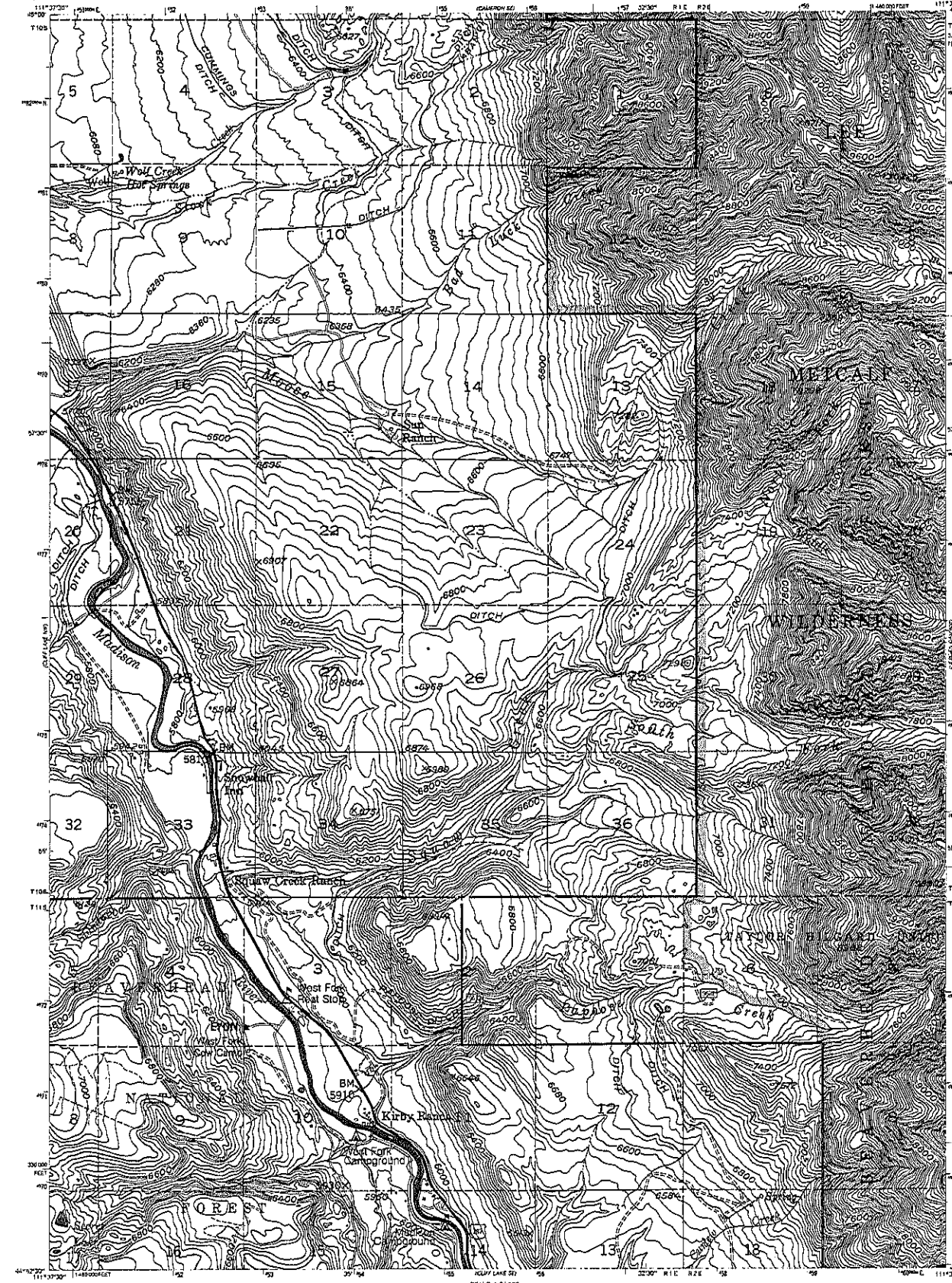
BEAVERHEAD NATIONAL FOREST

CAMERON SE, MONT.
N4500—W11130/7.5
1950

18

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

CLIFF LAKE NE QUADRANGLE
MONTANA—MADISON CO.
7.5 MINUTE SERIES



SCALE 1:24000

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

LEGEND

National Forest Boundary
Allotted Land within the National Forest Boundary

TOWNSHIP AND SECTION LINE CLASSIFICATION

Surveyed, Location Reliable
Surveyed, Location Approximate
Unsurveyed, Protracted

Primary Highway
Secondary Highway
Light Duty Road
Primitive Road
Trail
Gate

Interstate Highway
U.S. Highway
State Highway
County Road
Forest Road
Forest Trail

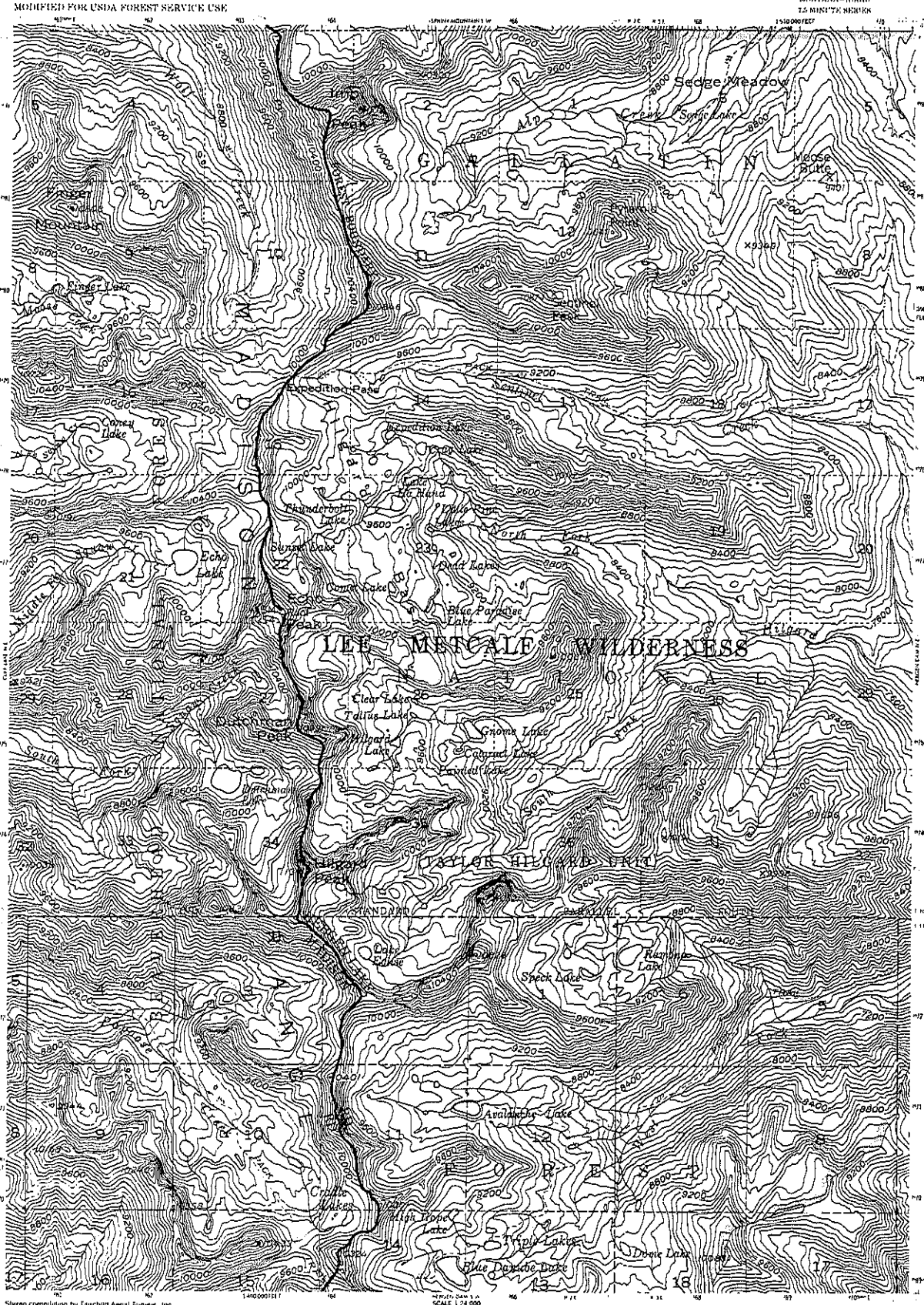
BEAVERHEAD NATIONAL FOREST

CLIFF LAKE NE, MONT.
N4452.5—W11130/7.5
1950

19

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

HEBGEN DAM N.W. QUADRANGLE
MONTANA—IDAHO
7.5 MINUTE SERIES



Stereo compilation by Fairchild Aerial Surveys, Inc
for the Bureau of Reclamation
Field examination and publication by the Geological Survey
as part of the Department of the Interior program
for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by stereoplanigraph methods 1964. Aerial photographs taken 1962. Field check 1965

Polyconic projection. 1927 North American datum
10,000 foot grid based on Montana coordinate system
south zone and Idaho coordinate system west zone

1000 meter Universal Transverse Mercator grid ticks
zone 12, shown in blue

INTERMEDIATE EDITION

Modifications to USGS base map by the Geometronics Service
Center from 1979 correction guides furnished by the
Northern Region

Photo transfer completed by the Regional Office, Missoula,
Montana from aerial photographs taken 1972 and 1975

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

LEGEND

- National Forest Boundary
- Alienated Land within the National Forest Boundary
- Primary Highway
- Secondary Highway
- Light Duty Road
- Primitive Road
- Trail
- Interstate
- U.S. Highway
- State Highway
- County Highway
- Forest Road
- Forest Trail

TOWNSHIP AND SECTION LINE CLASSIFICATION
- Surveyed, Location Reliable
- Surveyed, Location Unreliable
- Unsurveyed, BLM Protraction

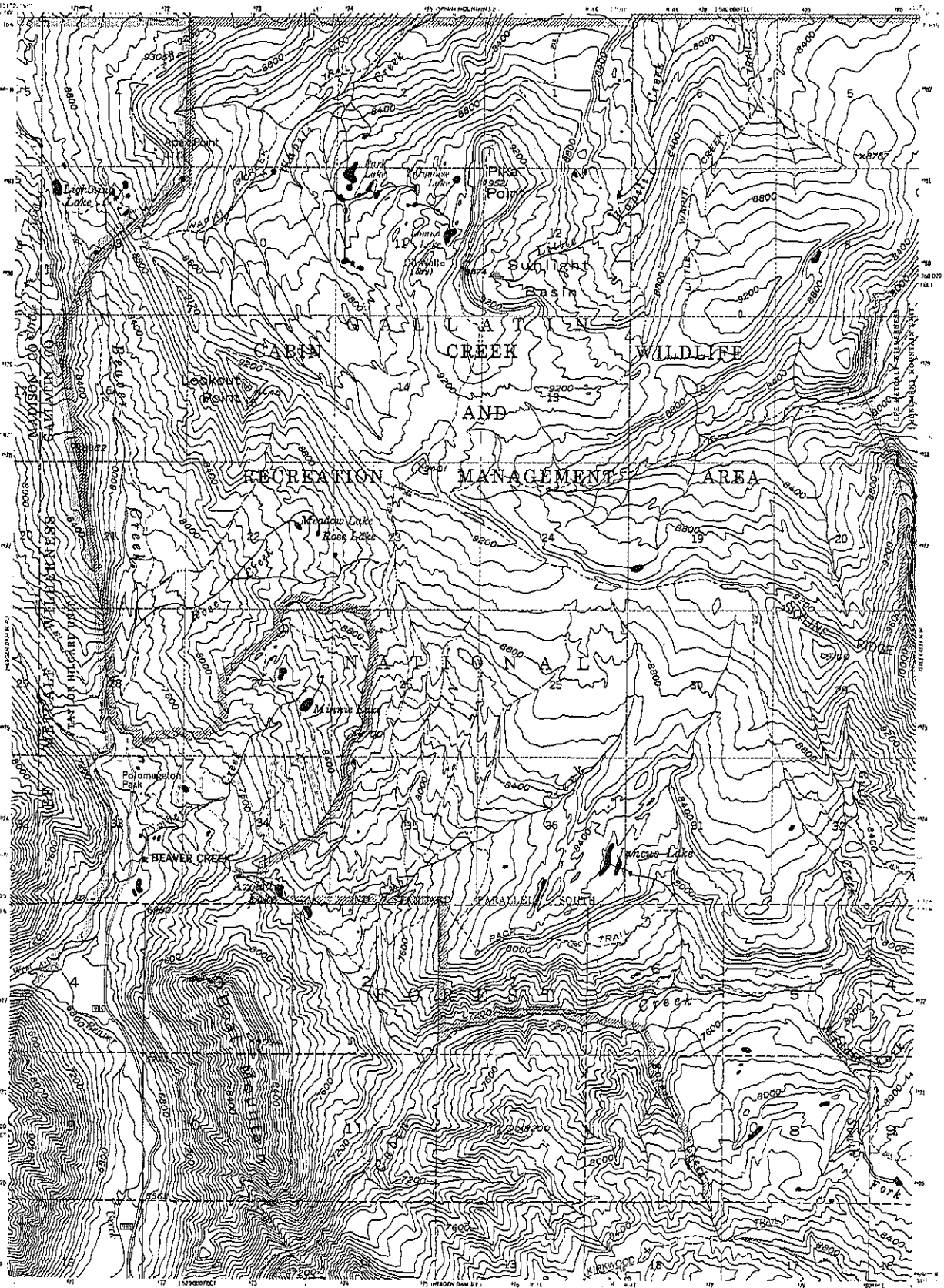
GALLATIN NATIONAL FOREST
QUADRANGLE LOCATION DIAGRAM

HEBGEN DAM N.W., MONTANA
N4452.5—W11122.5/7.5
1950

20

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

HEBGEN DAM N.E. QUADRANGLE
MONTANA - IDAHO
7.5 MINUTE SERIES



Stereo compilation by Fairchild Aerial Surveys, Inc. for the Bureau of Reclamation
Field examination and publication by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by stereoplanigraph methods 1948. Aerial photographs taken 1947. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone and Idaho coordinate system, east zone

1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

INTERMEDIATE EDITION

Modifications to USGS base map by the Geometronics Service Center from 1979 correction guides furnished by the Northern Region

Photo transfer completed by the Regional Office Missoula, Montana from aerial photographs taken 1972 and 1975

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

LEGEND

- National Forest Boundary
- Alienated Land within the National Forest Boundary

TOWNSHIP AND SECTION LINE CLASSIFICATION

- Surveyed, Location Reliable
- Surveyed, Location Unreliable
- Unsurveyed, DLM Protraction

- Primary Highway
- Secondary Highway
- Light Duty Road
- Primitive Road
- Trail
- Interstate
- U.S. Highway
- State Highway
- County Highway
- Forest Road
- Forest Trail

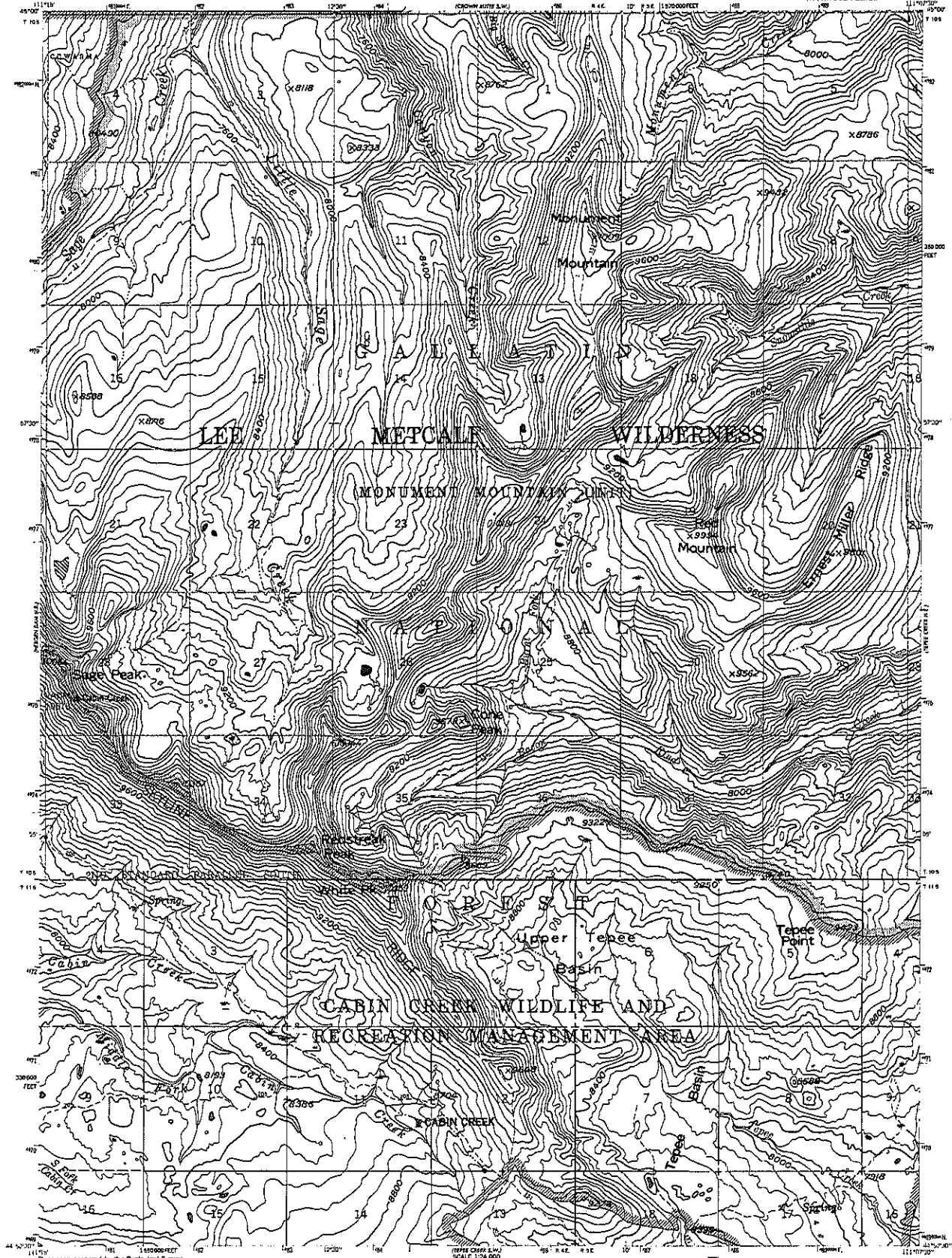
GALLATIN NATIONAL FOREST
QUADRANGLE LOCATION DIAGRAM

HEBGEN DAM N.E., MONTANA
N4452.5—W11115 7.5
1950

21

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

TEPEE CREEK N.W. QUADRANGLE
MONTANA
7.5 MINUTE SERIES



Base map prepared by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods for the Bureau of Reclamation 1948 and by the Geological Survey 1959 Aerial photographs taken 1947 and 1954. Field checked 1956

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

This map portrays ground conditions prior to the earthquake of August 17, 1959

INTERMEDIATE EDITION

Modifications to USGS base map by the Geometronics Service Center from 1979 correction guides furnished by the Northern Region.

Photo transfer completed by the Regional Office Missoula, Montana from aerial photographs taken 1972 and 1975.

UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

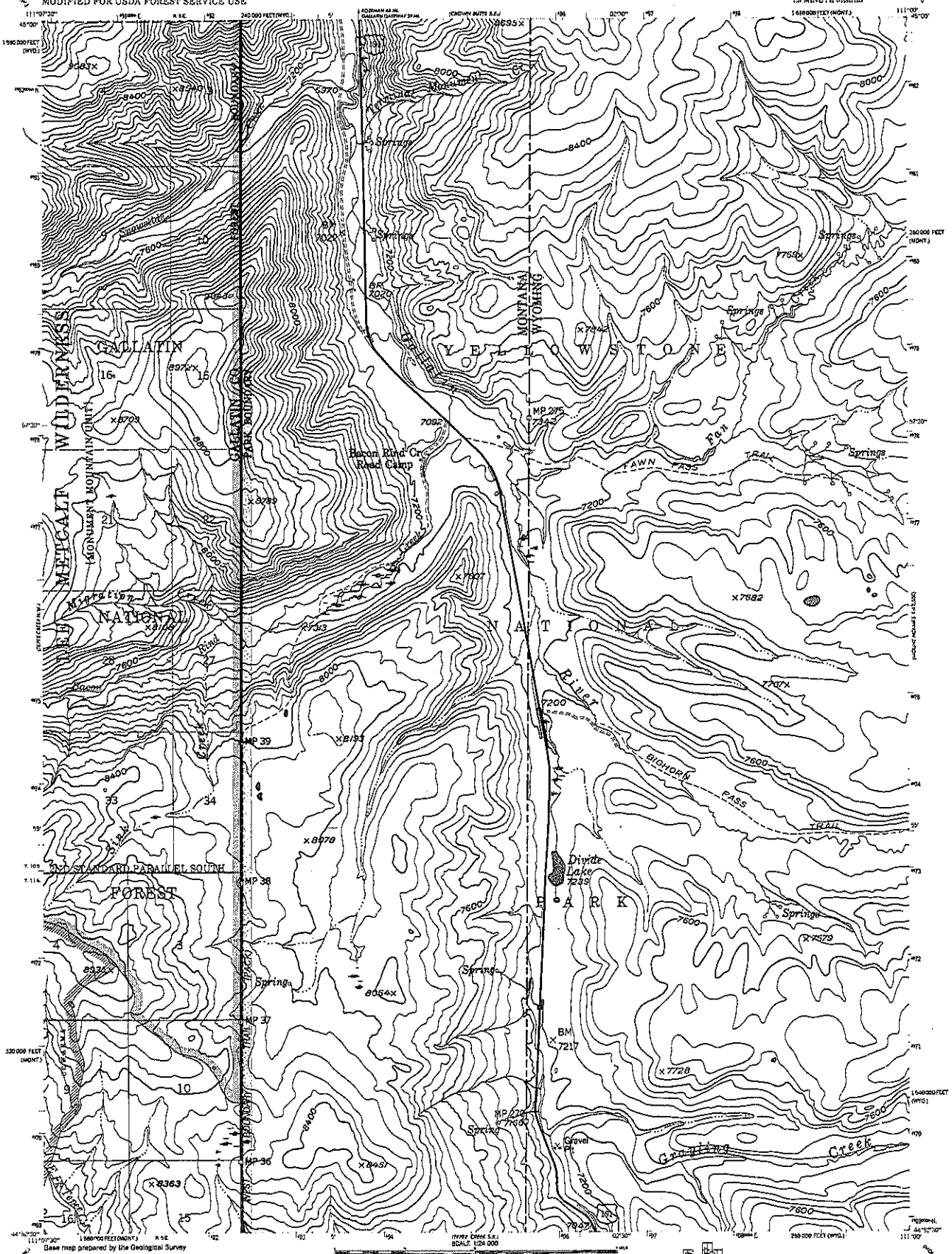
LEGEND

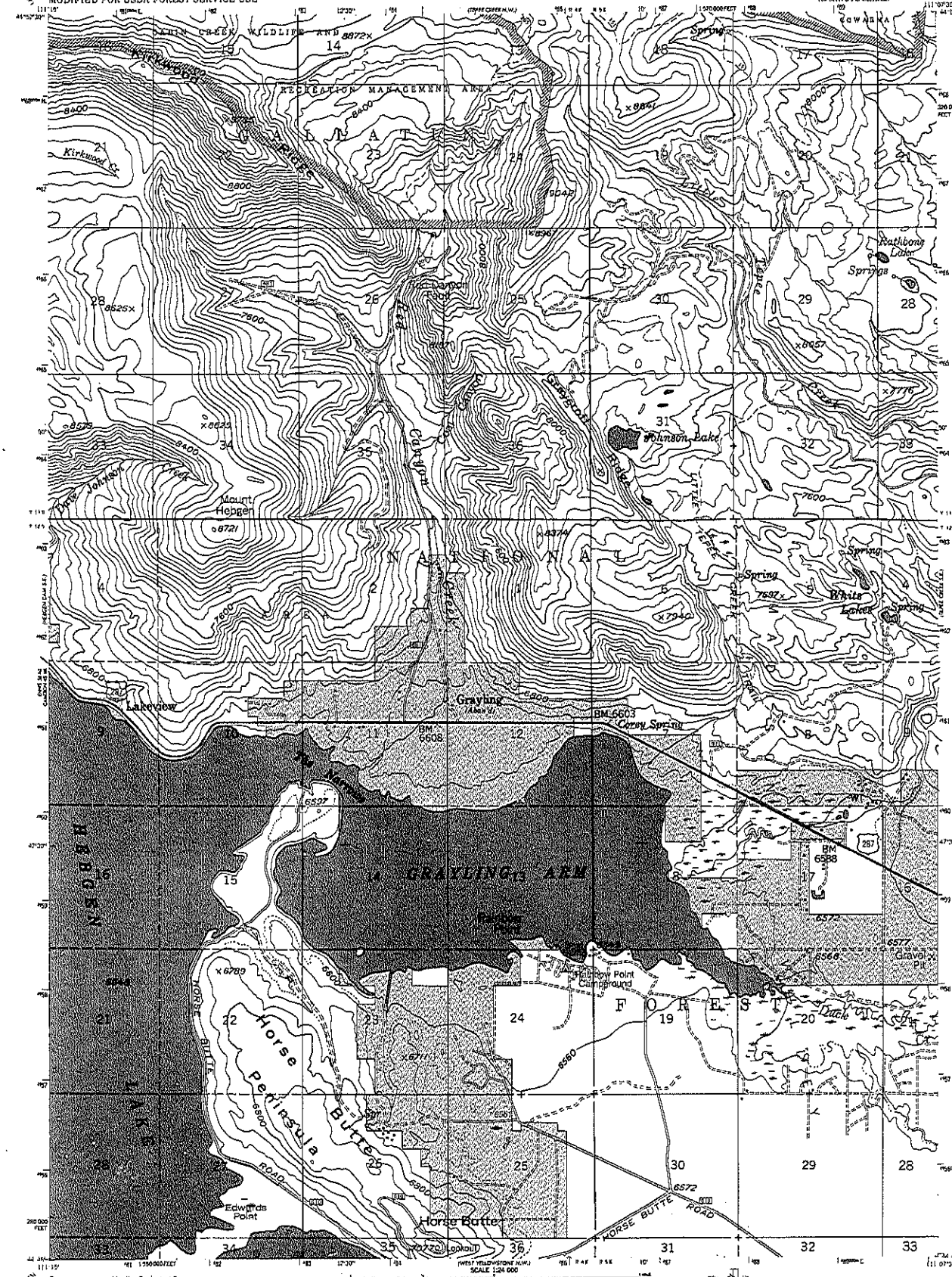
- National Forest Boundary
- Alienated Land within the National Forest Boundary
- TOWNSHIP AND SECTION LINE CLASSIFICATION
- Surveyed, Location Reliable
- Surveyed, Location Unreliable
- Unsurveyed, DLM Protraction
- Primary Highway
- Secondary Highway
- Light Duty Road
- Primitive Road
- Trail
- Interstate
- U.S. Highway
- State Highway
- County Highway
- Forest Road
- Forest Trail

GALLATIN NATIONAL FOREST
QUADRANGLE LOCATION DIAGRAM

TEPEE CREEK N.W., MONTANA
N4452.5—W11107.5/7.5
1958

22

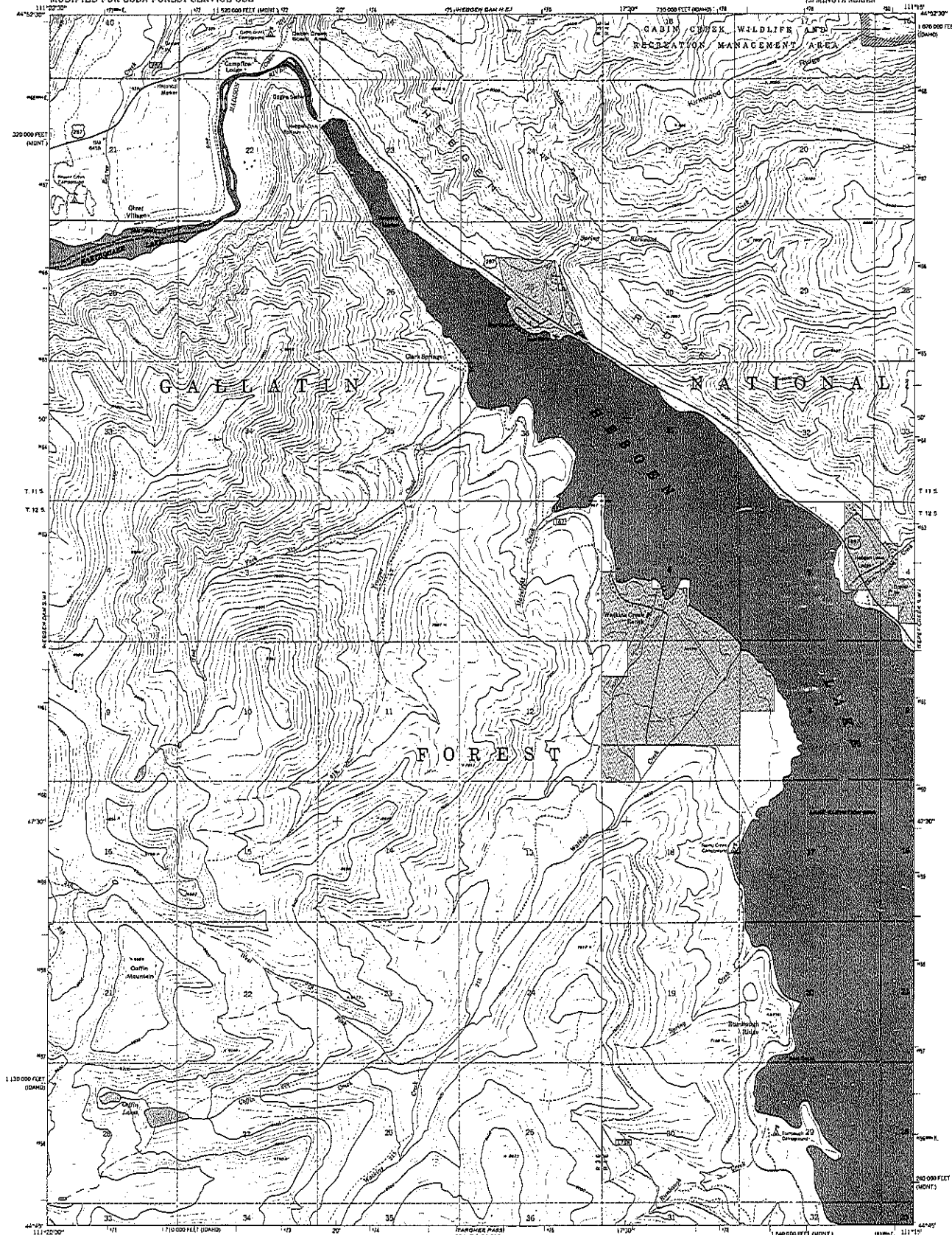

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE
TEPEE CREEK N.E. QUADRANGLE
MONTANA—WYOMING
7.5 MINUTE SERIES
GALLATIN
MONUMENT MOUNTAIN UNIT
GALLATIN NATIONAL FOREST
PARK BOUNDARY
MONTANA
WYOMING
YELLOWSTONE
NATIONAL
PARK
Baron Rind Cr.
Road Camp
Rind Creek
Rind
Spring
Creek
Grayling
Creek
Divide
Lake
7235
Gravel
Pit
MP 39
MP 38
MP 37
MP 36
MP 275
MP 276
BIGHORN
PASS
TRAIL
TAWN
PASS
TRAIL
2ND STANDARD PARALLEL SOUTH
FOREST
BOUNDARY
TRAIL
Springs
BM
7217
7092
7022
7020
7343
7307
7682
7579
7728
7680
7642
8451
8363
8193
8979
8064x
8695x
8683x
8940
8972x
8709
8789
8768x
8933x
8400
8000
7600
7200
7000
9000
Mountain
Mountain
Mountain


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE
TEPEE CREEK S.W. QUADRANGLE
MONTANA
7.5 MINUTE SERIES
ADJOINING QUADRANGLES
ARIN CREEK WILDLIFE AND RECREATION MANAGEMENT AREA
Kirkwood Cr.
Spring
Rathbone Lake
Springs
Johnson Lake
Mount Hepgen
Dude Johnson Creek
Graying Ridge
Graying Creek
Graying Trail
Tepee Creek
White Lakes
Spring
Lakeview
Graying (Abandoned)
BM 6608
BM 6603
Coyote Spring
Fir Narrows
GRAYLING ARM
Rainbow Point
Rainbow Point Campground
Gravel Pit
Horse Butte Peninsula
Horse Butte
Edwards Point
HORSE BUTTE ROAD
Lookout
BM 6588
Duck Creek
Duck Creek Trail
Dude Creek
Dude Creek Trail
Dude Creek Ridge
Dude Creek Ridge Trail
Dude Creek Ridge Road
Dude Creek Ridge Trail
Dude Creek Ridge Road
Dude Creek Ridge Trail
Dude Creek Ridge Road

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

HEBGEN DAM S.E. QUADRANGLE

MONTANA—IDAHO
7.5 MINUTE SERIES



SCALE 1:24 000

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

LEGEND

- National Forest Boundary
- Alienated Land within the National Forest Boundary

TOWNSHIP AND SECTION LINE CLASSIFICATION

- Surveyed, Location Reliable
- Surveyed, Location Unreliable
- Unsurveyed, BLM Protraction

- Primary Highway
- Secondary Highway
- Light Duty Road
- Primitive Road
- Trail

- Interstate
- U.S. Highway
- State Highway
- County Highway
- Forest Road
- Forest Trail

GALLATIN NATIONAL FOREST
QUADRANGLE LOCATION DIAGRAM

Stereo compilation by Fairchild Aerial Surveys, Inc. for the Bureau of Reclamation
Field examination and publication by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin

Control by USGS and USC&GS

Topography from aerial photographs by stereoplanigraph methods 1948. Aerial photographs taken 1947. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south zone and Idaho coordinate system, east zone

1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

INTERMEDIATE EDITION

Modifications to USGS base map by the Geoelectronics Service Center from 1979 correction guides furnished by the Northern Region.

Photo transfer completed by the Regional Office Missoula, Montana from aerial photographs taken 1972 and 1979.

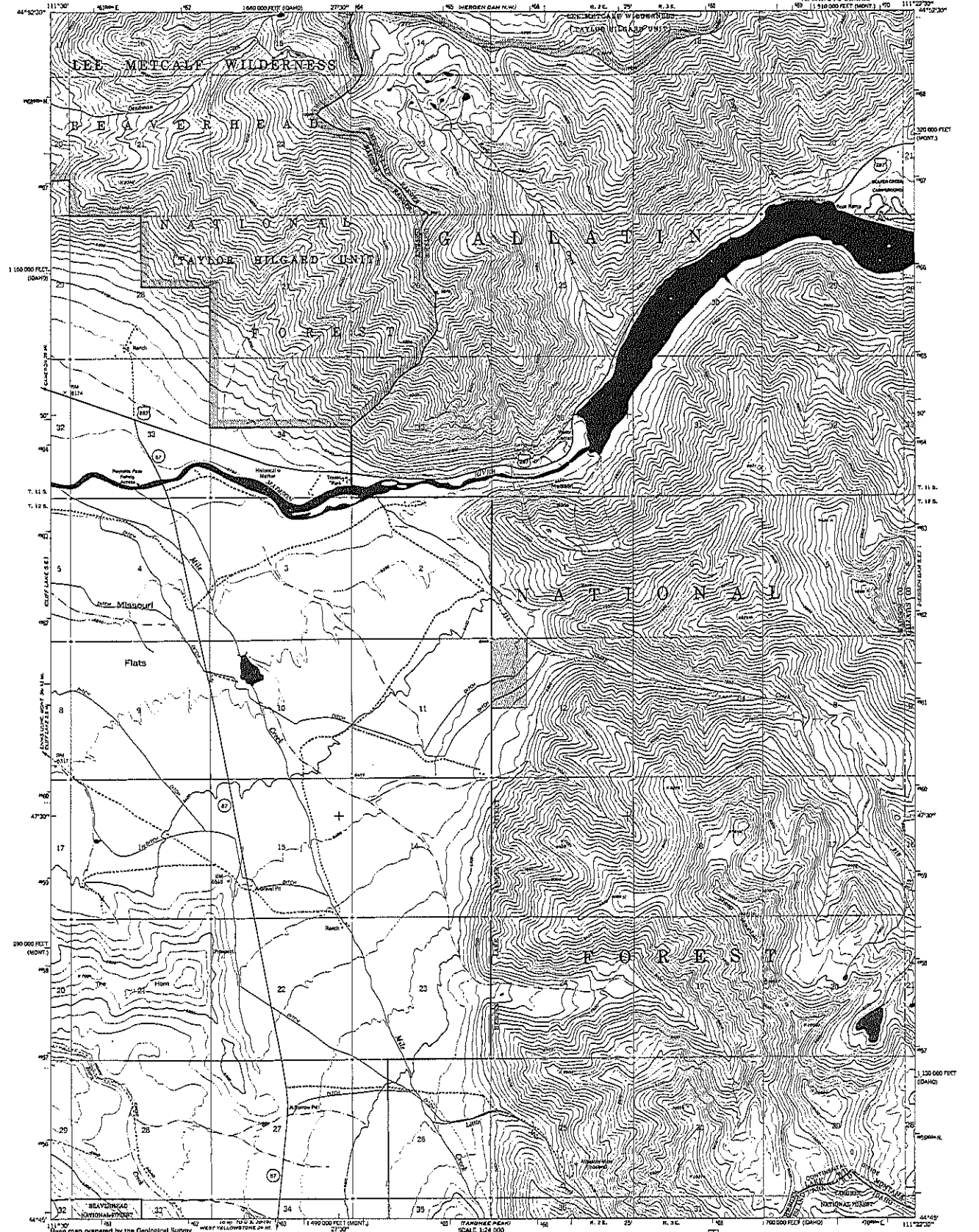
UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

HEBGEN DAM S.E. MONT.-IDA.
N4452.5—W11115/7.5
1950

25

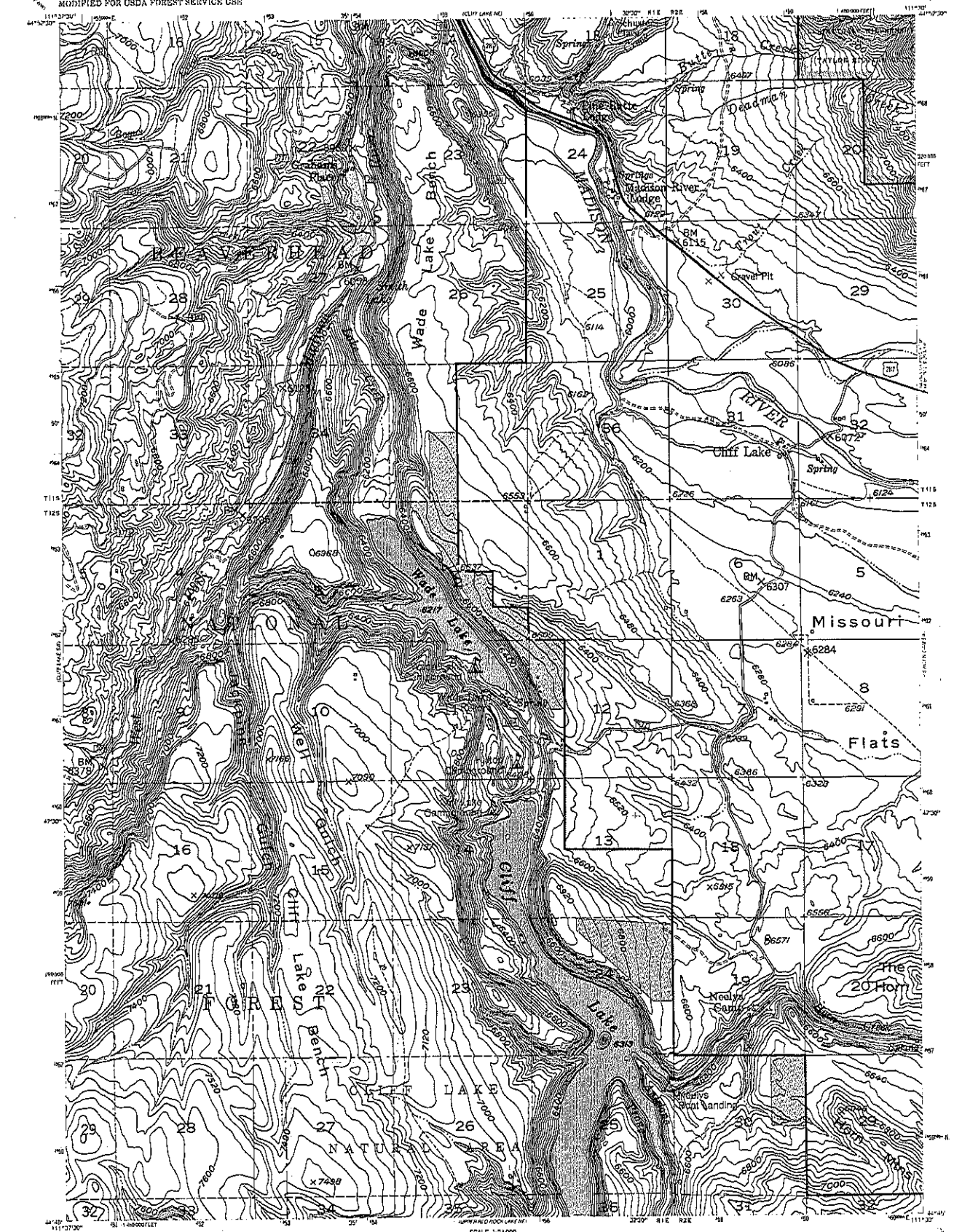
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

HEBGEN DAM S.W. QUADRANGLE
MONTANA—IDAHO
7.5 MINUTE SERIES


LEE METCALF WILDERNESS
BEAVERHEAD
NATIONAL FOREST
(TAYLOR HILGARD UNIT)
GALLATIN
NATIONAL
FOREST
Missouri
Flats
Ranch
Hebgen Dam
Hebgen Lake
Madison Arm
Cabin Creek
Duck Creek
Grayling Creek
Beaver Creek
Cottonwood Creek
Rock Creek
Ditch
Canal
Trail
Road
Historical Marker
Campground
Boat Ramp
Overlook
Picnic Area
Ranger Station
Lookout Tower
Cemetery
Airport
Reservoir
Pipeline
Fence
Corral
Windmill
Tank
Spring
Well
Mine
Quarry
Gravel Pit
Power Line
Telephone Line
Bridge
Dam
Levee
Building
Church
School
Golf Course
Campground
Picnic Area
Boat Ramp
Overlook
Historical Marker

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
MODIFIED FOR USDA FOREST SERVICE USE

CLIFF LAKE SE QUADRANGLE
MONTANA—MADISON CO.
7.5 MINUTE SERIES



SCALE 1:24 000

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

LEGEND

- National Forest Boundary
- Attested Land within the National Forest Boundary
- Primary Highway
- Secondary Highway
- Light Duty Road
- Primitive Road
- Trail
- Gate
- Interstate Highway
- U.S. Highway
- State Highway
- County Road
- Forest Road
- Forest Trail

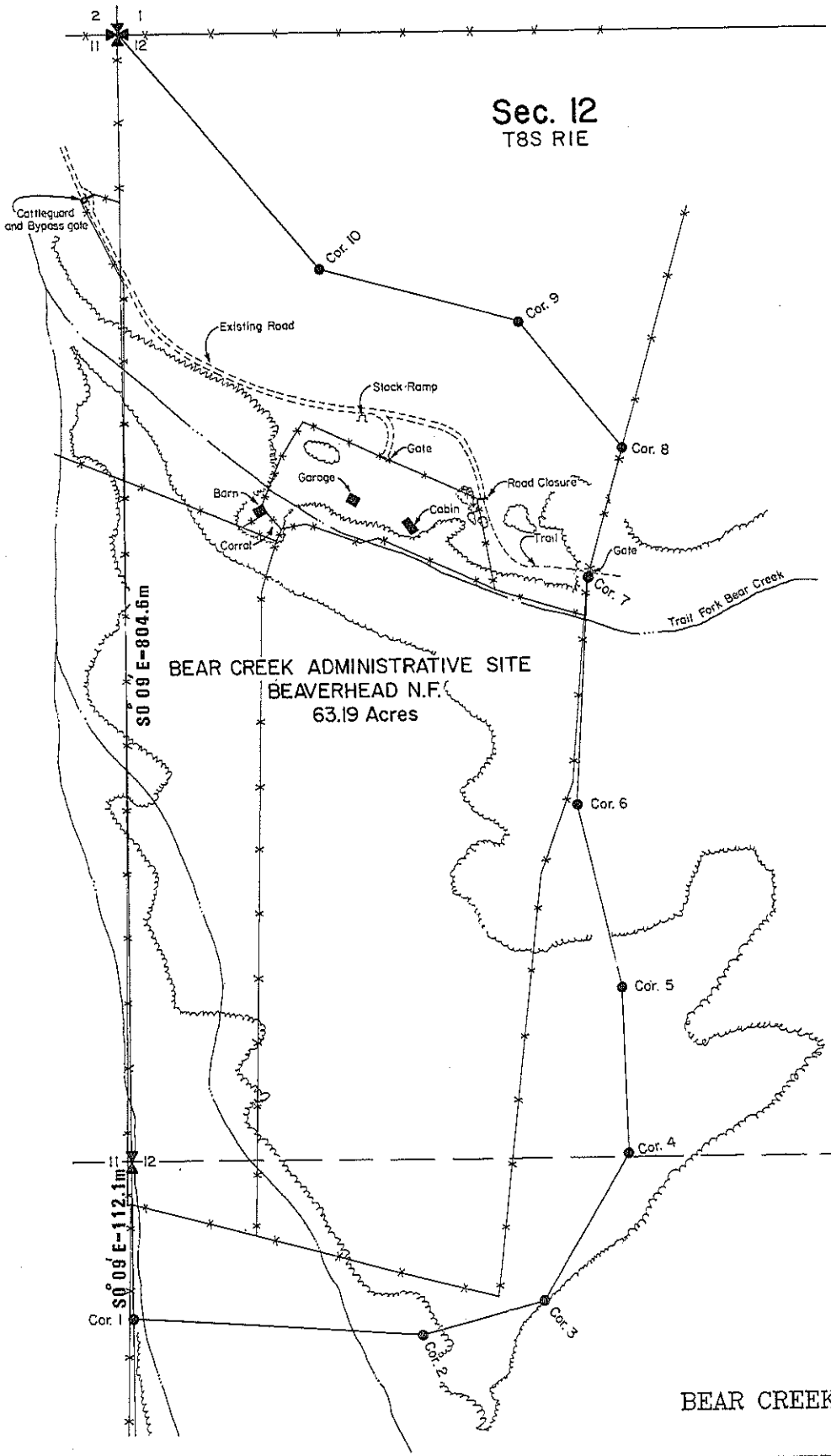
TOWNSHIP AND SECTION LINE CLASSIFICATION

- Surveyed, Location Reliable
- Surveyed, Location Approximate
- Unsurveyed, Protracted

BEAVERHEAD NATIONAL FOREST

CLIFF LAKE SE, MONT.
N4445—W11130/7.5
1950

27



CORNER	BEARING	DISTANCE
1 to 2	S86°18'E	205.4 m
2 to 3	N75°07'E	89.2 m
3 to 4	N29°55'E	121.4 m
4 to 5	N01°59'W	117.8 m
5 to 6	N13°07'W	134.8 m
6 to 7	N03°15'E	161.7 m
7 to 8	N15°16'E	96.0 m
8 to 9	N38°24'W	116.7 m
9 to 10	N74°37'W	145.1 m
10 to 11	N39°57'W	220.2 m

●-ALUMINUM ROD W/CAP

BEAR CREEK ADMINISTRATIVE SITE

SURVEYED BY K.MEEKER (10-85)