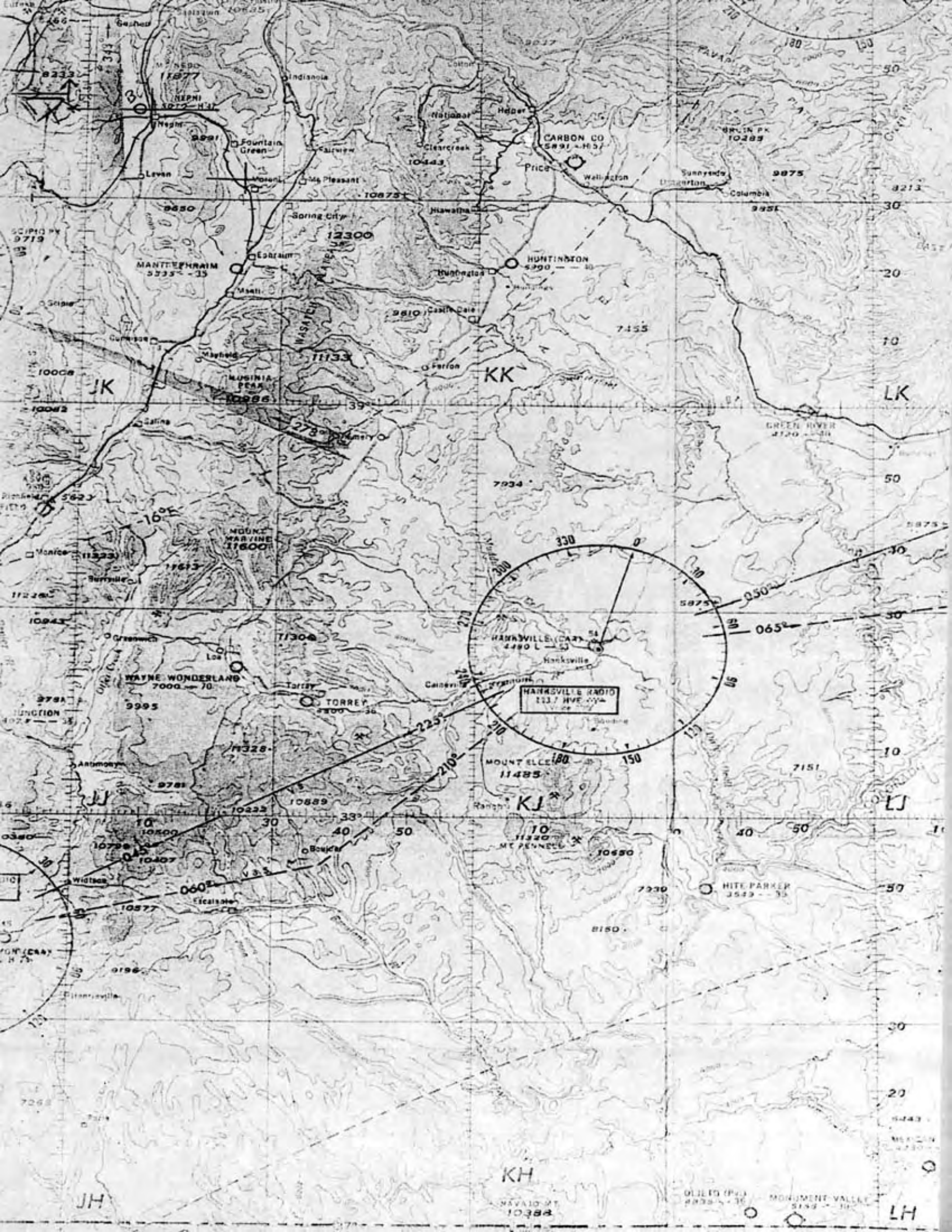
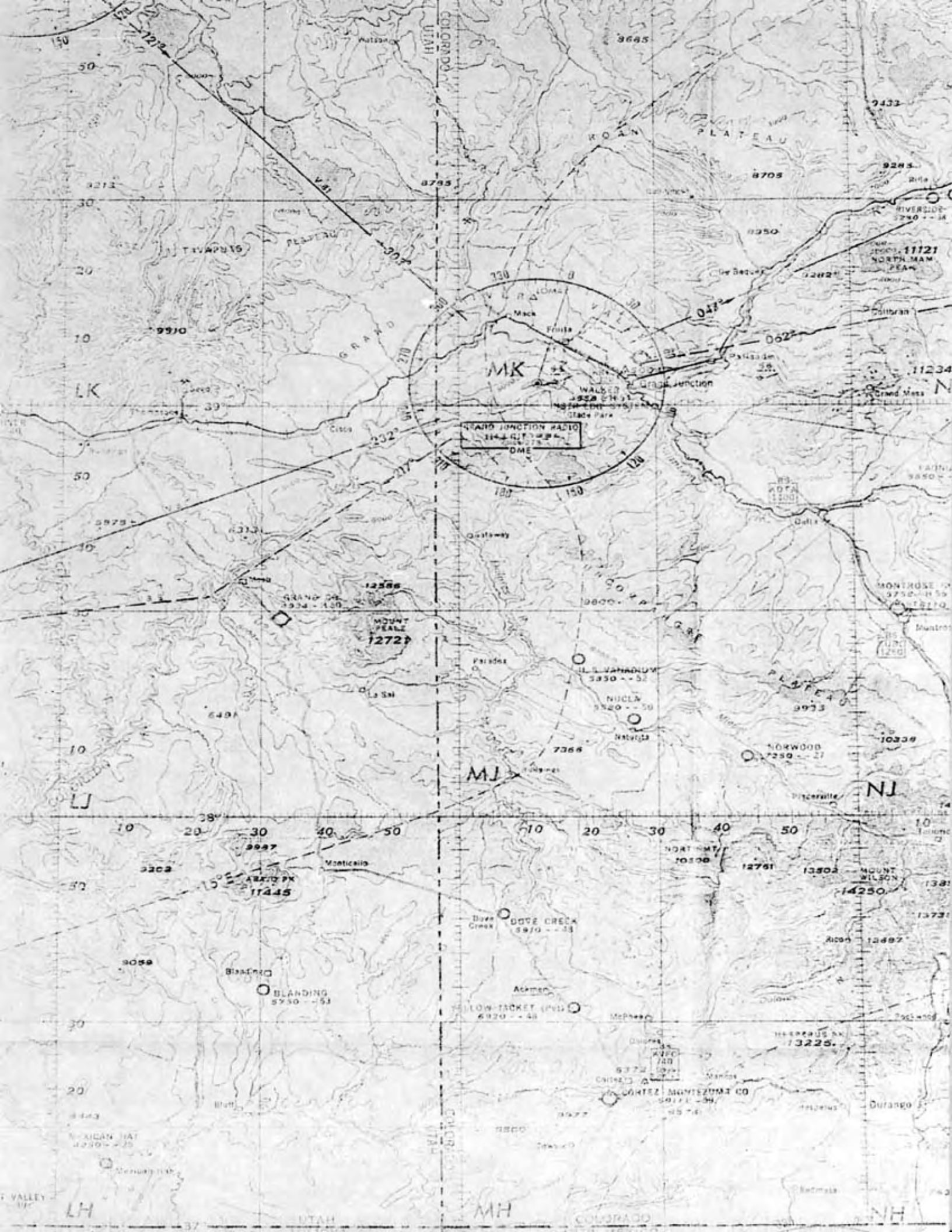


NEPHI
Fountain Green
Leven
Moroni
Mt Pleasant
Fairview
Indianola
Spring City
Ephraim
MANTI-EPHRAIM
Manti
Scipio
Gunnison
Mayfield
MUSINIA PEAK
Salina
Richfield
Monroe
Burrville
Greenwich
Loa
WAYNE WONDERLAND
Torrey
TORREY
Antimony
Widtsoe
Escalante
Boulder
Hiawatha
Huntington
Castle Dale
Ferron
Clearcreek
National
Helper
CARBON CO
Price
Wellington
Sunnyside
Columbia
Green River
HUNTINGTON
MOUNT MARVINE
HANKSVILLE (CAA)
Hanksville
Caineville
HANKSVILLE RADIO
MOUNT ELLEN
MT PENNELL
HITE PARKER
NAVAJO MT
MONUMENT VALLEY
JK
KK
LK
JJ
KJ
LJ
KH
JH
LH



COLORADO
UTAH
ROAN PLATEAU
TAVAPUTS PLATEAU
GRAND RIVER VALLEY
Mack
Fruita
Grand Junction
Palisade
Clifton
Grand Mesa
Cisco
Thompson
Gateway
Paradox
La Sal
Naturita
Dolores
Mancos
Durango
Bluff
Monticello
Blanding
Ackmen
McPhee
Dove Creek
Ricon
Pinerville
Montrose
Delta
Rifle
Riverside
Colbran
Glade Park
GRAND JUNCTION RADIO
DME
MK
LK
MJ
NJ
LJ
LH
MH
NH
MOUNT PEALE
12721
GRAND CO
U.S. VANADIUM
NUCLA
NORWOOD
MOUNT WILSON
14250
NORTH MT
10500
12761
13502
ABAJO PK
11445
DOVE CREEK
BLANDING
YELLOW JACKET
HESPERUS PK
13225
CORTEZ MONTEZUMA CO
MEXICAN HAT
NORTH MAM PEAK
11121
11234
9910
9685
9433
9285
8705
8795
8950
9282
9933
10338
7366
6491
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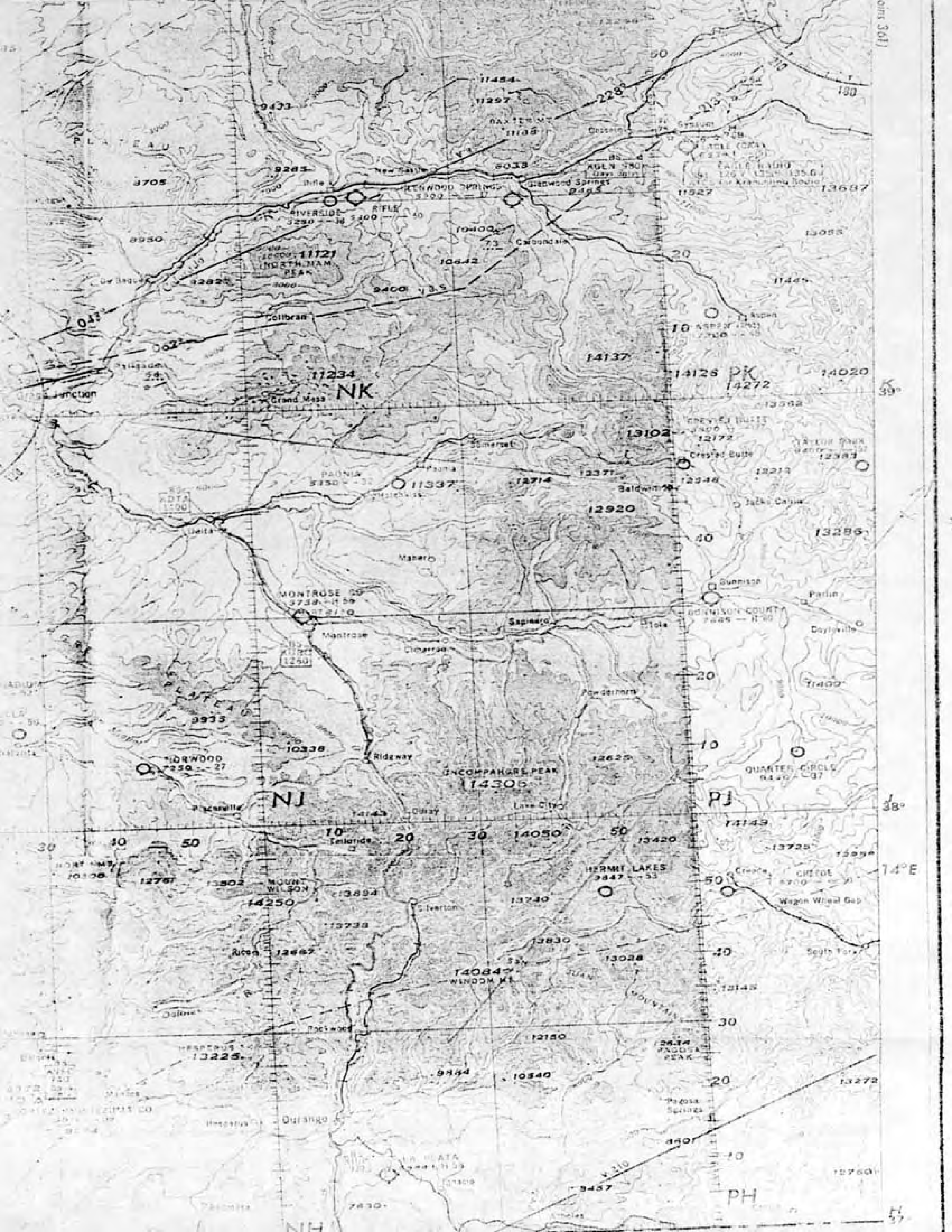
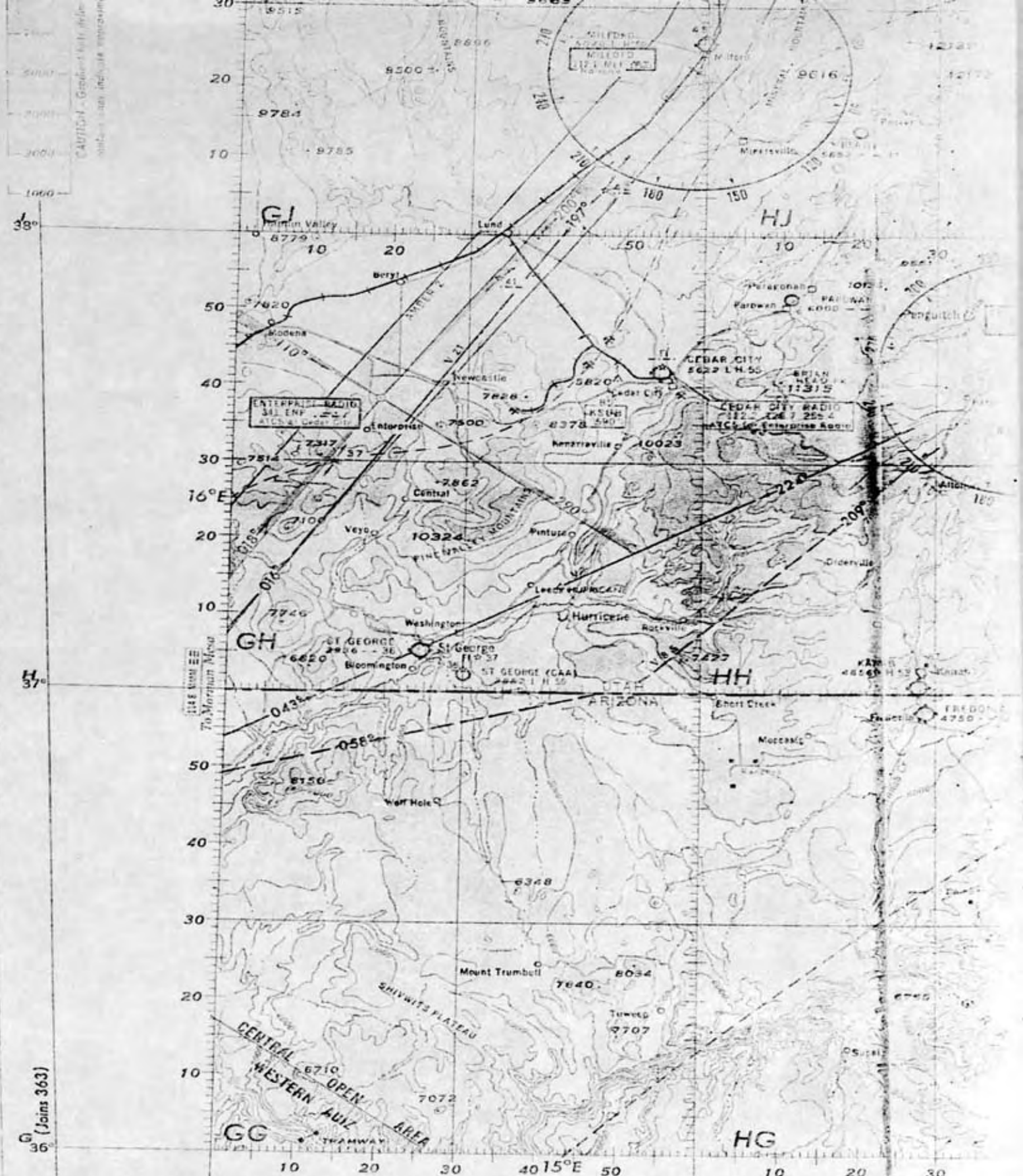
9202
9059
9977
9800
6372
12586



NK
PK
NJ
PJ
PH
PLATEAU
Grand Junction
Grand Mesa
11234
Collbran
9400
NORTH MAM PEAK
11121
RIVERSIDE
RIFLE
Glenwood Springs
Carbondale
Aspen
14137
14126
14272
14020
Crested Butte
13102
12172
Somerset
Paonia
PAONIA
11337
12714
13371
Baldwin
12920
Jacks Cabin
13286
Delta
Maher
MONTROSE CO
Montrose
Sapinero
Cimarron
Gunnison
GUNNISON COUNTY
Parlin
Doyleville
Powderhorn
11400
PLATEAU
9933
10338
Ridgway
NORWOOD
Placerville
12625
UNCOMPAHGRE PEAK
14306
QUARTER CIRCLE
Lake City
Ouray
14143
14149
Telluride
14050
13420
13725
12761
13802
MOUNT WILSON
14250
13894
HERMIT LAKES
13740
Creede
Wagon Wheel Gap
Silverton
13738
13830
13028
Rico
12667
14084
WINDOM MT
South Fork
13145
SAN JUAN MOUNTAINS
Rockwood
13150
HESPERUS
13225
PAGOSA PEAK
9884
10340
13272
Pagosa Springs
Durango
Hesperus
LA PLATA
7430
8401
9457
228°
213°
39°
38°
14°E



TO REFERENCE BY THE GEOREF (SHOWN IN BLUE) TO MINUTES
(Select nearest intersection south and west of point)

Sample Point: ENTERPRISE

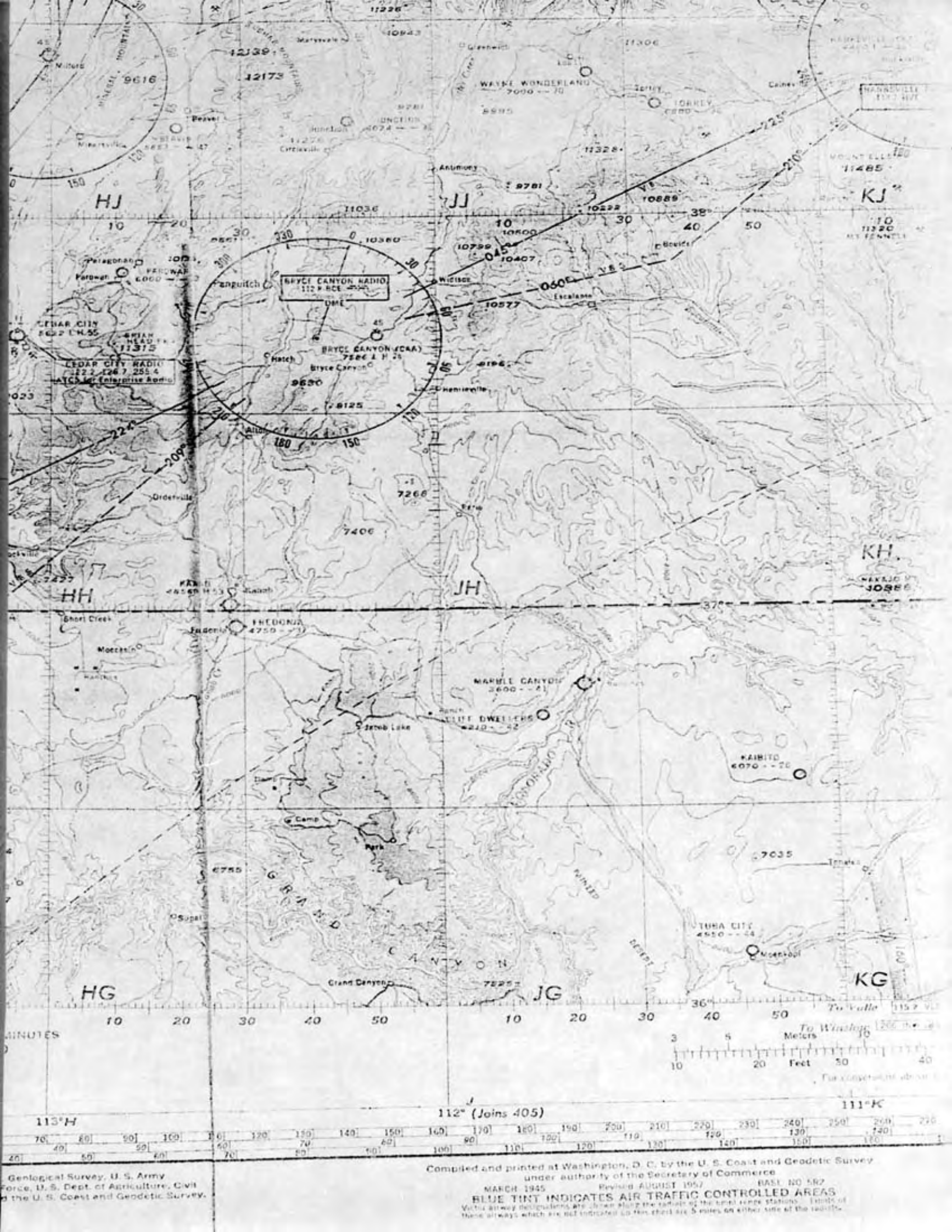
1. EJ identifies basic 15° quadrangle
2. GH identifies 1° quadrangle
3. 17 identifies Georef minute of longitude
4. 34 identifies Georef minute of latitude
5. Sample reference: EJGH1734

Kilometers
Nautical Miles
Statute Miles

(362)

PRICE 25 CENTS

Principal Sources: U.S. Geological Survey, U.S. Army Corps of Engineers, U.S. Air Force, U.S. Dept. of Agriculture, Civil Aeronautics Administration, and the U.S. Coast and Geodetic Survey.



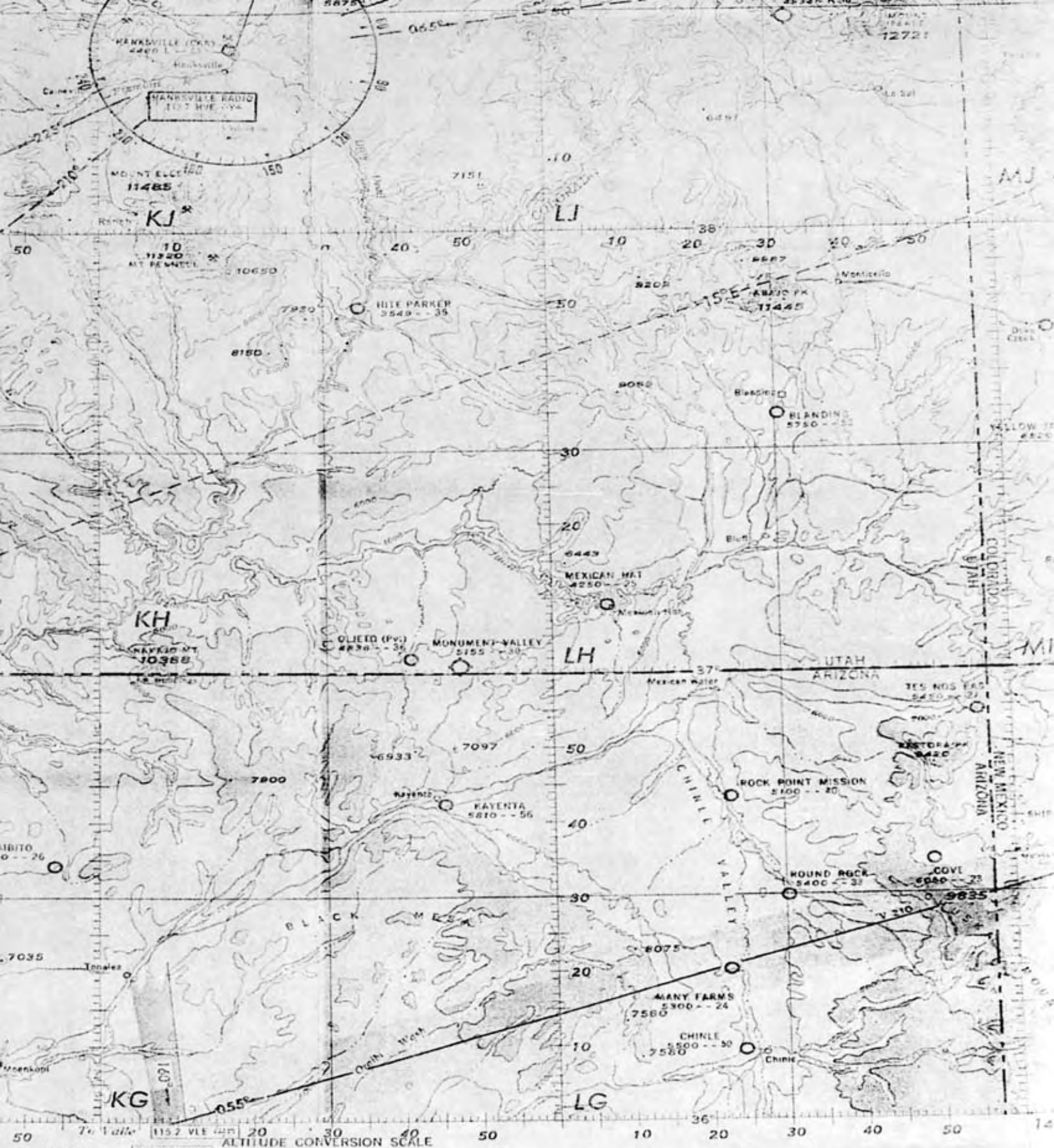
Geological Survey, U. S. Army
Force, U. S. Dept. of Agriculture, Civil
the U. S. Coast and Geodetic Survey.

Compiled and printed at Washington, D. C. by the U. S. Coast and Geodetic Survey
under authority of the Secretary of Commerce

MARCH 1945 Revised AUGUST 1957 BASE NO 582

BLUE TINT INDICATES AIR TRAFFIC CONTROLLED AREAS

Victor airway designations are shown along the radials of the omni ranges stations. Limits of these airways which are not indicated on this chart are 5 miles on either side of the radials.



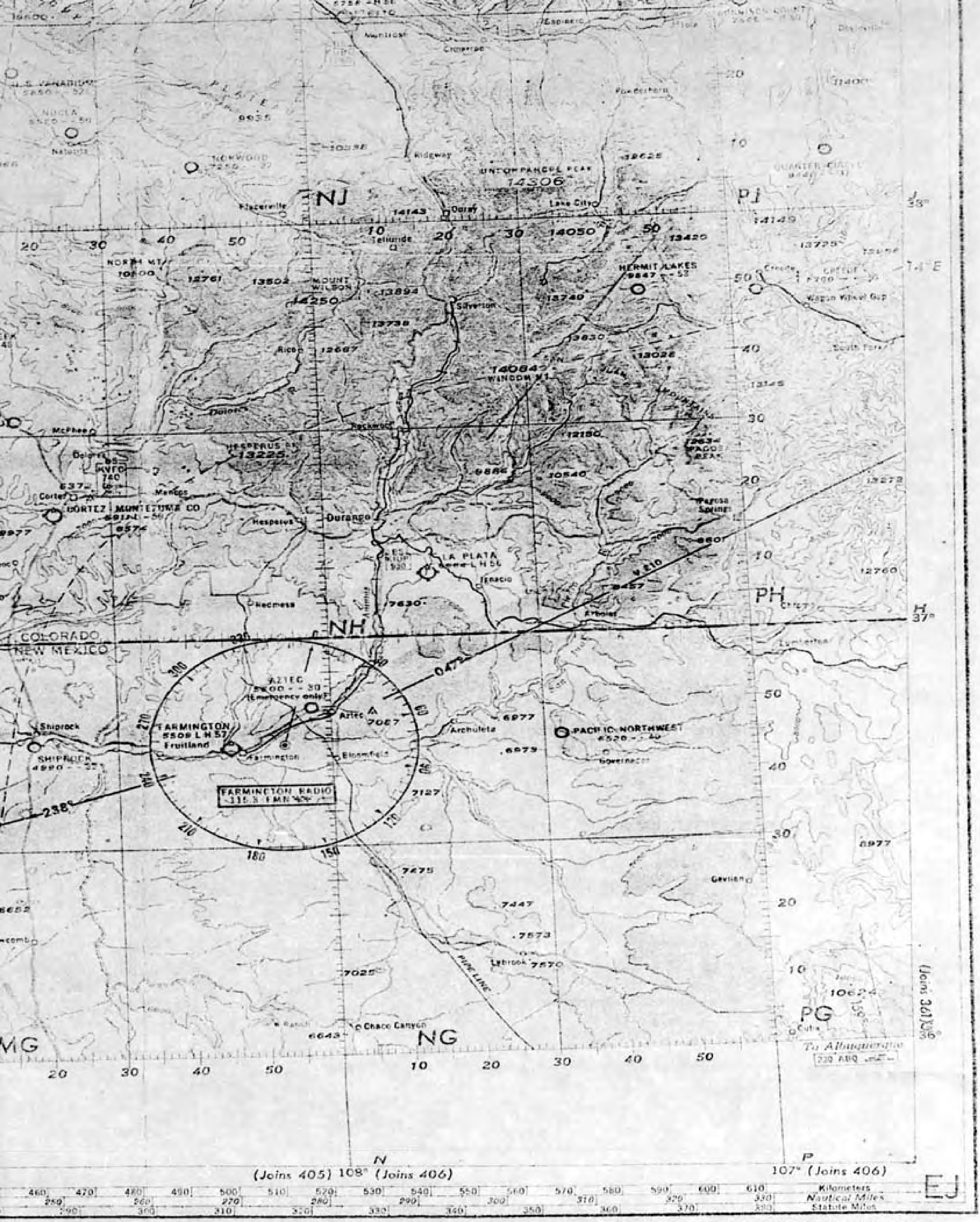
nd Geodetic Survey
ASE NO 5N2
LED AREAS
tations. Limits of
de of the radials.

NOTE: It is requested that users of this chart indicate corrections and additions which come to their attention and notify "THE DIRECTOR, U.S. COAST AND GEODETIC SURVEY, WASHINGTON 25, D.C."

Obstructions

500 feet or higher above ground — Under construction, position and elevation unverified

Less than 500 feet above ground

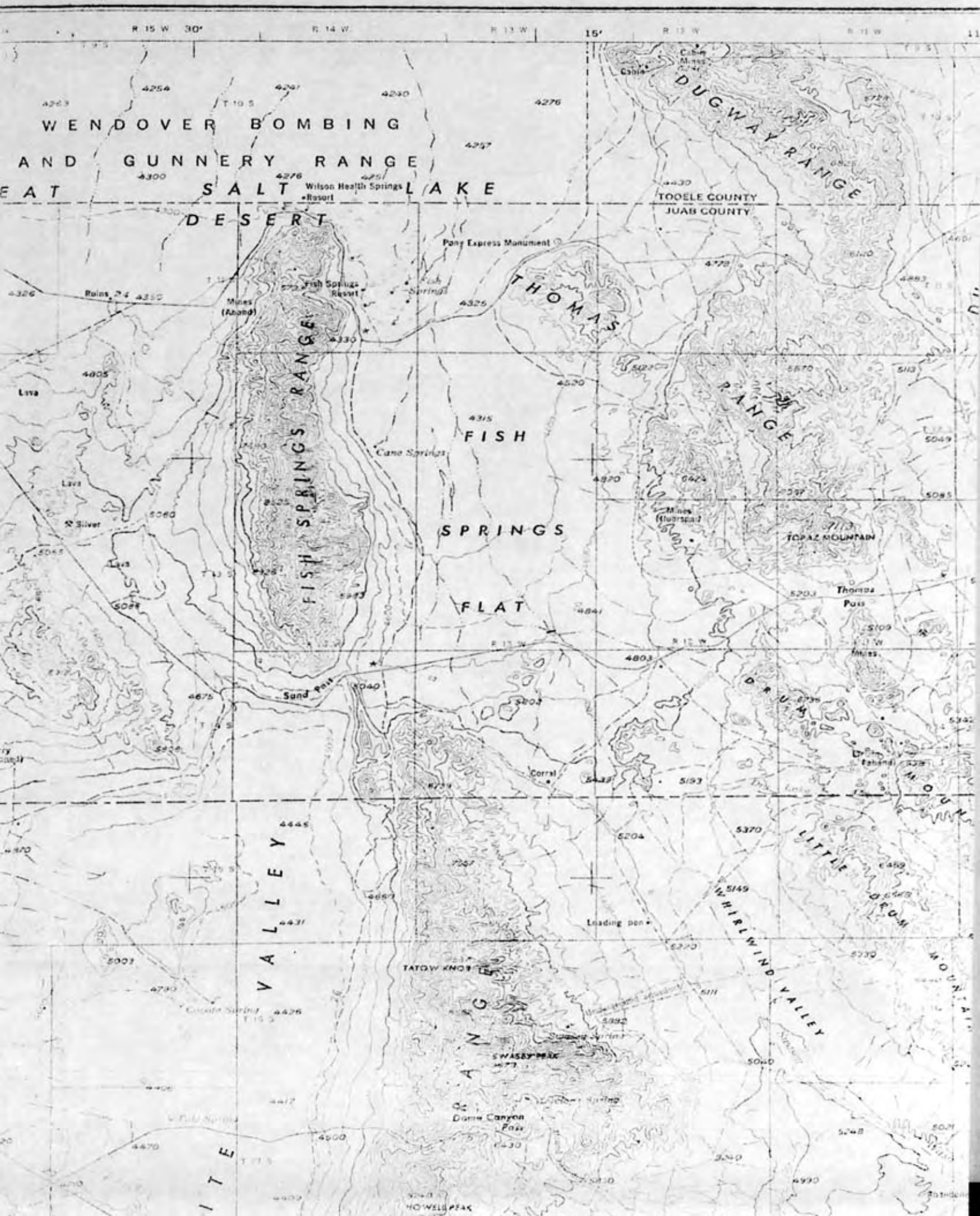


LE 1:1,000,000
GEOREF 10-55

20 TH EDITION Aeronautical information on this chart includes data received through September 19, 1957
Consult appropriate NOTAMS and Radio Facility Charts for supplemental data and current information.

BRYCE CANYON (362)
UNITED STATES
U.S. AIR FORCE EDITION

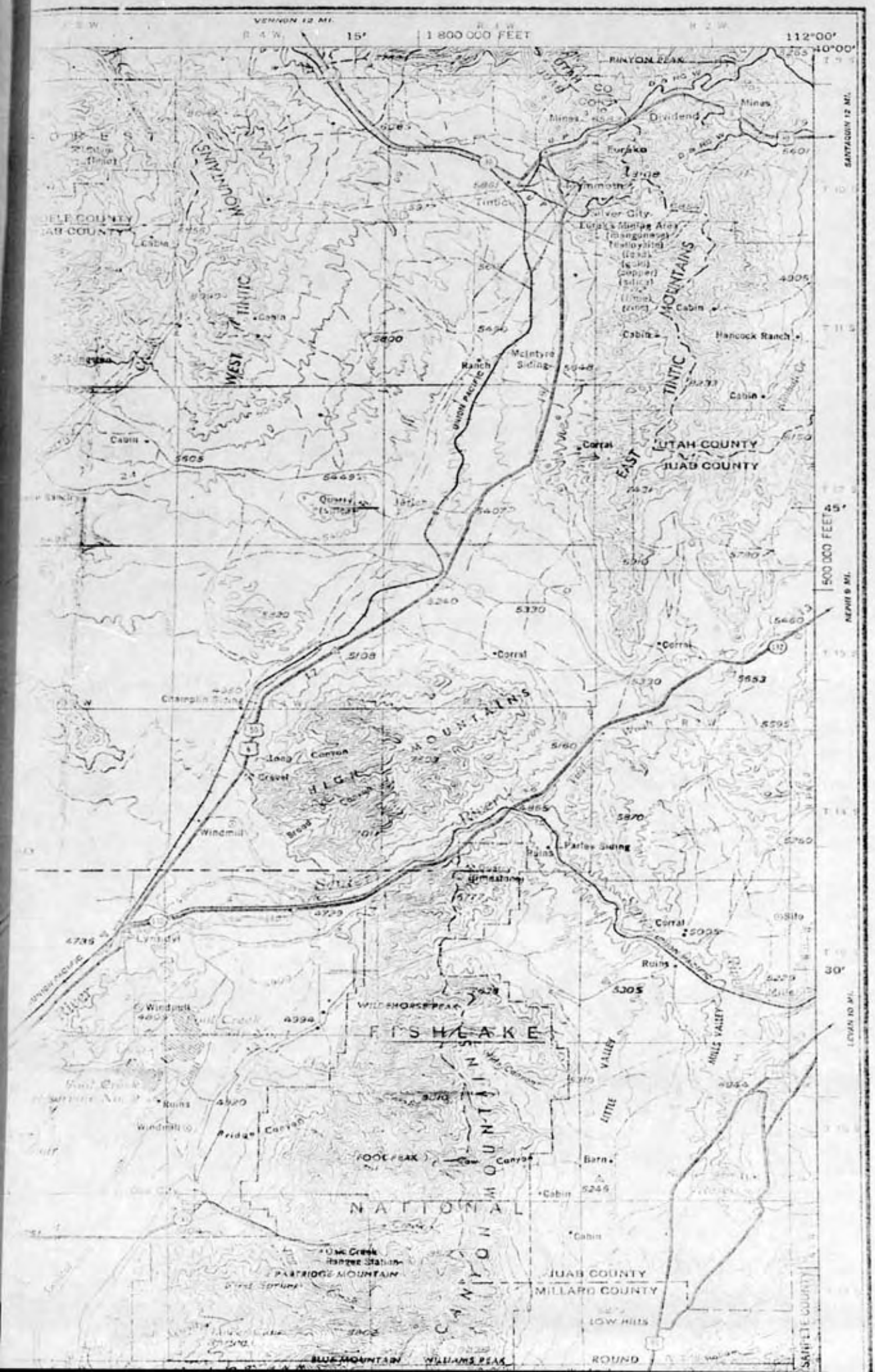
114°00'
40°00'
45'
30'
R 19 W
R 18 W
R 17 W
R 16 W
T 12 S
T 13 S
T 14 S
T 15 S
TOOELE COUNTY
JUAB COUNTY
MILLARD COUNTY
GOSHUTE
INDIAN
DESERT
VALLEY
CONFUSION
RANGE
GREAT
Ruins
Ranch
Rock Springs
Goshute
Callao
Siegrist Ranch
Creek
Spring
Tungsten
Mill
Tungsten Mt.
Haystack Peak
Sand Mountain
CCC Camp (abandoned)
Falkenberg Ranch
Nielsons Ranch
Trout Creek
Partoun
Granite Mountain
Quarry (abandoned)
Oil
Oil (abandoned)
Foute Ranch
Gandy
Salt Marsh Lake
Indian Pass
Cowboy Pass
Lava
Water
TO NEVADA STATE LINE 3 MI.

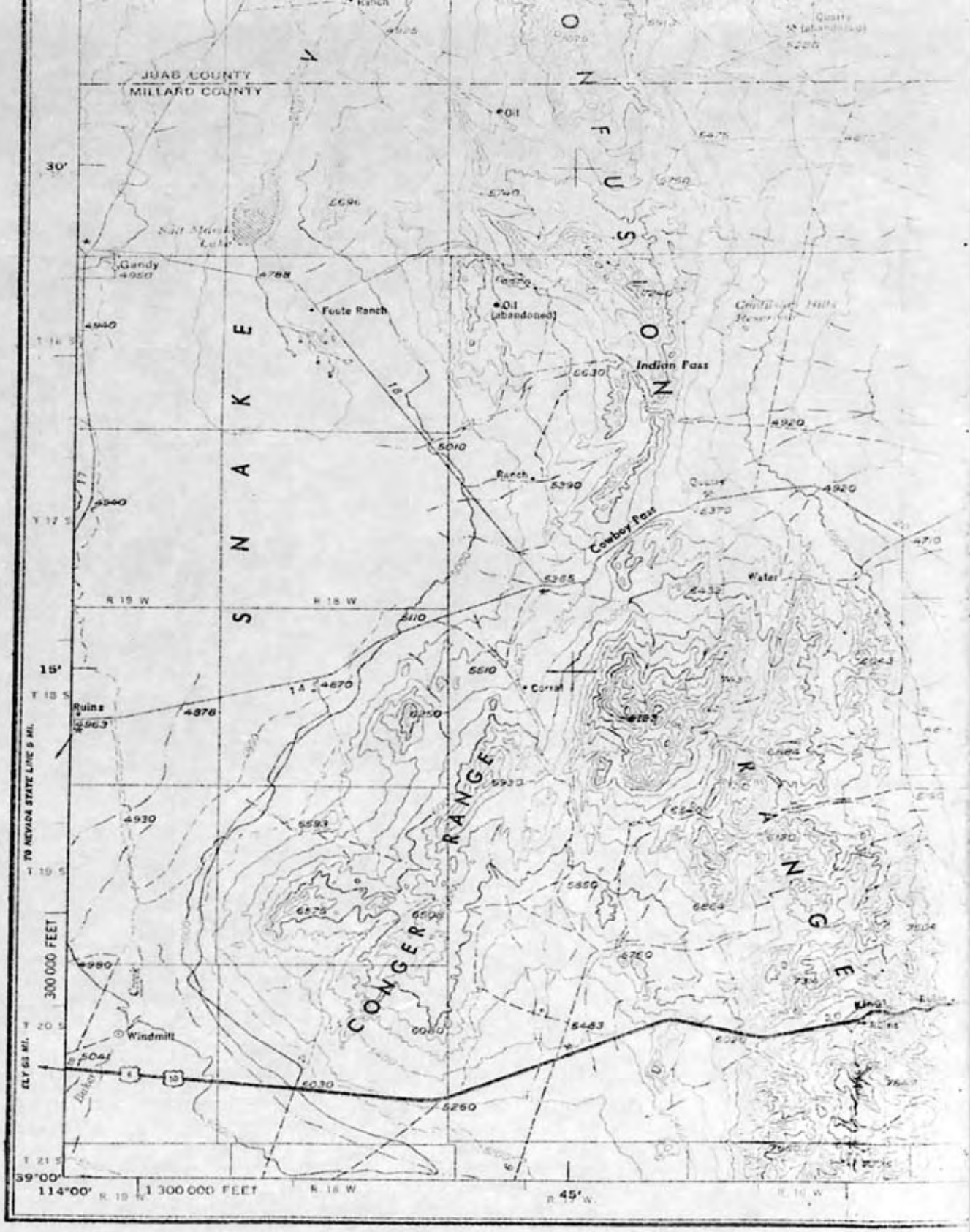

R 15 W
30'
R 14 W
R 13 W
15'
R 12 W
WENDOVER BOMBING
AND GUNNERY RANGE
SALT LAKE
DESERT
Wilson Health Springs Resort
Pony Express Monument
Ruins
Mines (Abnd)
Fish Springs Resort
Fish Springs
FISH SPRINGS RANGE
Lava
Silver
Cane Springs
FISH SPRINGS FLAT
Sand Pass
Corral
Leading pen
TATOW KNOB
SWASEY PEAK
Dome Canyon Pass
NOWELL PEAK
VALLEY
THOMAS RANGE
TOOELE COUNTY
JUAB COUNTY
Mines (Inactive)
TOPAZ MOUNTAIN
Thomas Pass
DRUM MOUNTAINS
Tabernacle
LITTLE DRUM MOUNTAINS
WHIRLWIND VALLEY

DELTA

Pony Express Monument
Boomtown Ranch
SIMPSON MOUNTAINS
Black Rock
Cabin
DUGWAY VALLEY
RANGE
Gravel
KEG MOUNTAINS
DESERT MOUNTAIN
Topaz Mountain
Thermal
Pass
Mines
Lava
Crater Springs Health Resort
JUAB COUNTY
MILLARD COUNTY
LITTLE DRUM MOUNTAINS
SEVIER
Windmill
Topaz Camp (abandoned)
Abraham
Farm
Delta
Abandoned

VERNON 12 MI.
1 800 000 FEET
PINYON PEAK
SHEEPROCK MOUNTAINS
NATIONAL FOREST
VERNON DIVISION
TOOELE COUNTY
JUAB COUNTY
WEST TINTIC MOUNTAINS
EAST TINTIC MOUNTAINS
UTAH COU
JUAB COU
Eureka
Tintic
Mammoth
Silver City
Eureka Mining Area
Clyde Ranch
Lungston
Cabin
McIntyre Siding
Ranch
Corral
Rockwall Ranch
Jericho
Quarry
Windmill
Champlin Siding
Long Canyon
Gravel
HIGH MOUNTAINS
Parlee Siding
Quarry (limestone)
Leamington
Lynndyl
Windmill
Strong Siding
Delta Reservoir
Delta
Towers
Silo
Ruins
Bridge Canyon
WILDHORSE PEAK
FISHLAKE
NATIONAL
CANYON
Oak Creek Ranger Station
PARTRIDGE MOUNTAIN
JUAB COUNTY
MILLARD COUNTY
LOW HILLS
BLUE MOUNTAIN
WILLIAMS PEAK
ROUND


VERNON 12 MI.
15'
1 800 000 FEET
112°00'
40°00'
PINYON PEAK
Mines
Dividend
Eureka
Tintic
Silver City
Eureka's Mining Area
(manganese)
(galena)
(gold)
(copper)
(silica)
(lime)
(zinc)
Cabin
Hancock Ranch
McIntyre Siding
Ranch
UNION PACIFIC
WEST TINTIC MOUNTAINS
EAST TINTIC MOUNTAINS
UTAH COUNTY
JUAB COUNTY
Corral
Quarry
Jericho
45'
500 000 FEET
Champlin Siding
Long Canyon
Gravel
HIGH MOUNTAINS
Windmill
Parley Siding
Ruins
Quarry
Lyndyl
Silo
30'
WILDHORSE PEAK
FISHLAKE
NATIONAL
Windpull
Ruins
Windmill
Bridge Canyon
FOOT PEAK
Barn
Cabin
Oak Creek Ranger Station
PARTRIDGE MOUNTAIN
JUAB COUNTY
MILLARD COUNTY
LOW HILLS
BLUE MOUNTAIN
WILLIAMS PEAK
ROUND
SANTAQUIN 12 MI.
NEPHI 9 MI.
LEVAN 10 MI.
SANPETE COUNTY



Prepared by the Army Map Service (FSGE), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1955 by photogrammetric methods and from United States Quadrangles, 1:62,500, U.S. Geological Survey, 1948-1953. Planimetric detail revised by photo-planimetric methods. Control by USC&GS, USGS, GLO and CE. Photography field annotated, 1953.

100,000-foot grids based on Utah coordinate system, central zone

10,000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

Figures in red den...

POPULATED PLACES

Over 500,000 LOS AN...

100,000 to 500,000

25,000 to 100,000 GA...

5,000 to 25,000

1,000 to 5,000

Less than 1,000

RAILROADS

Standard gauge — Single track — Double or Multiple — Land...

Narrow gauge — Land...

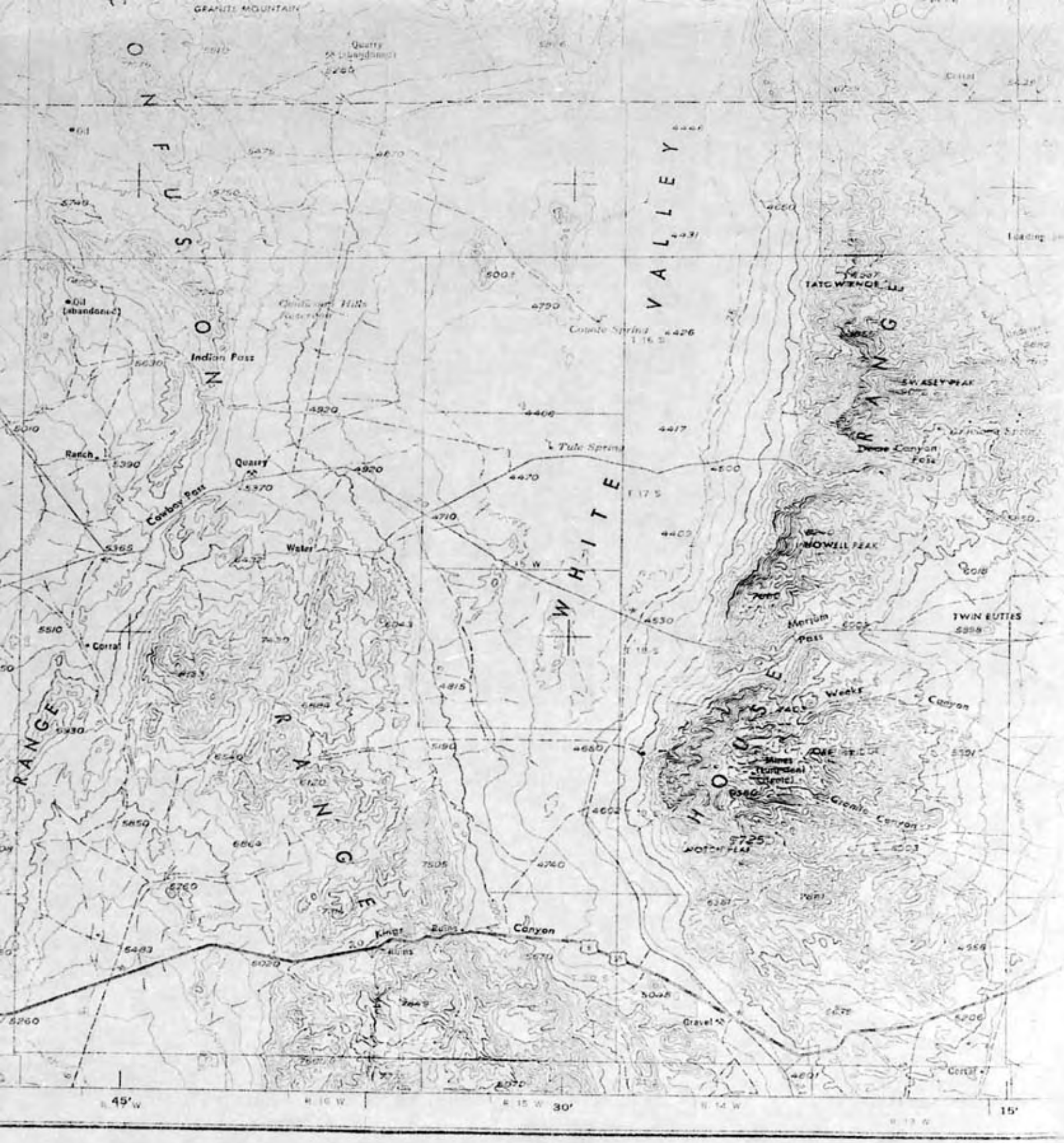
BOUNDARIES

International — Land...

State — Swa...

County — Swa...

Park or reservation — Woods...



LEGEND

ROAD DATA 1953

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 — Laramie
- 1,000 to 5,000 — Grand Coulee
- Less than 1,000 — Sun Valley

RAILROADS

	Single track	Double or Multiple
Standard gauge		
Narrow gauge		

BOUNDARIES

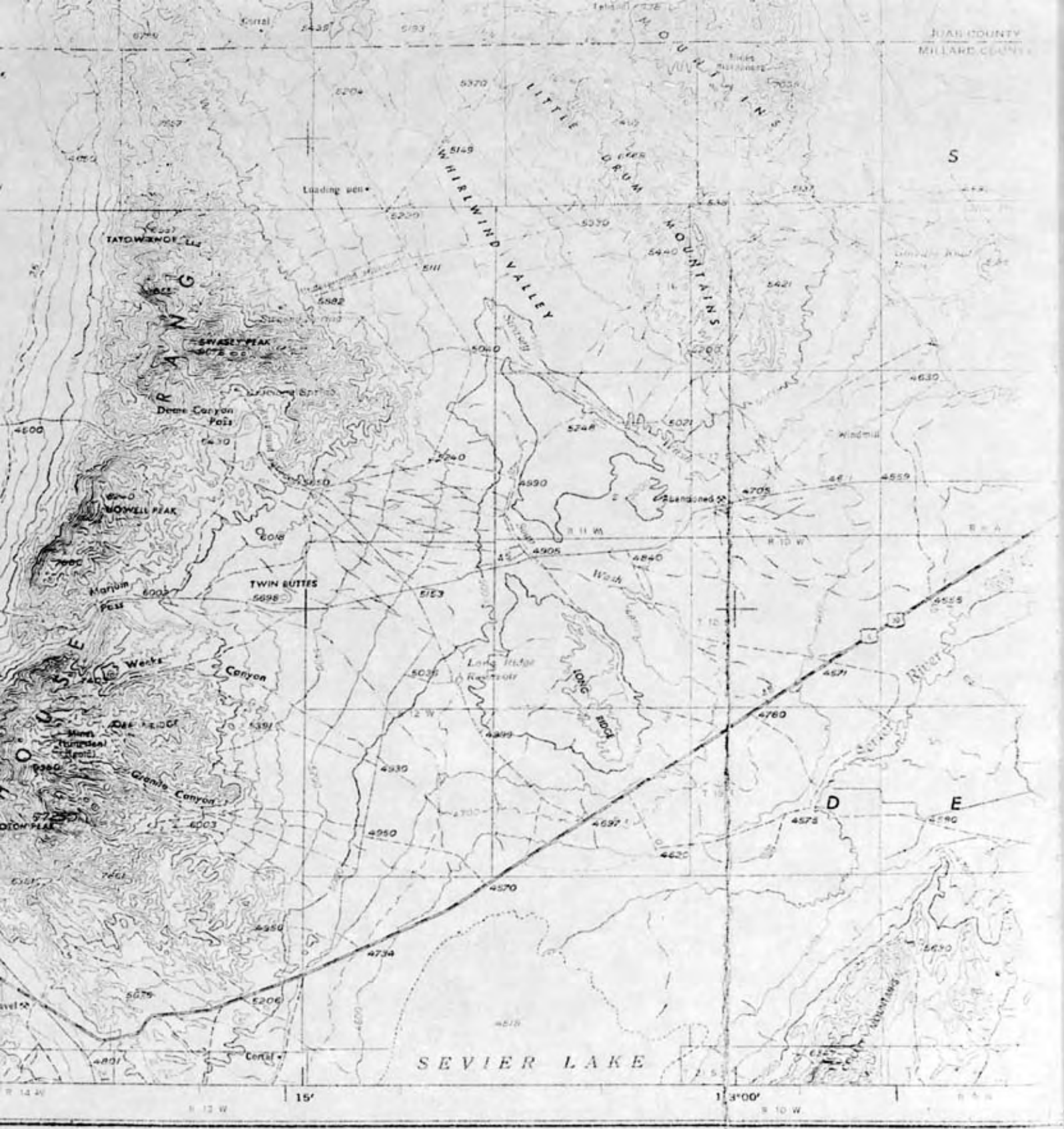
- International
- State
- County
- Park or reservation

- Landplane airport
- Landing area
- Seaplane airport
- Seaplane anchorage
- Woods-brushwood

ROADS

- Hard surface, heavy duty
  - More than two lanes wide — 2 LANES | 2 LANES
  - Two lanes wide; Federal route marker — 91
- Hard surface, medium duty
  - More than two lanes wide — 2 LANES | 2 LANES
  - Two lanes wide; State route marker — 10
- Improved light duty
- Unimproved dirt
- Trail

- 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

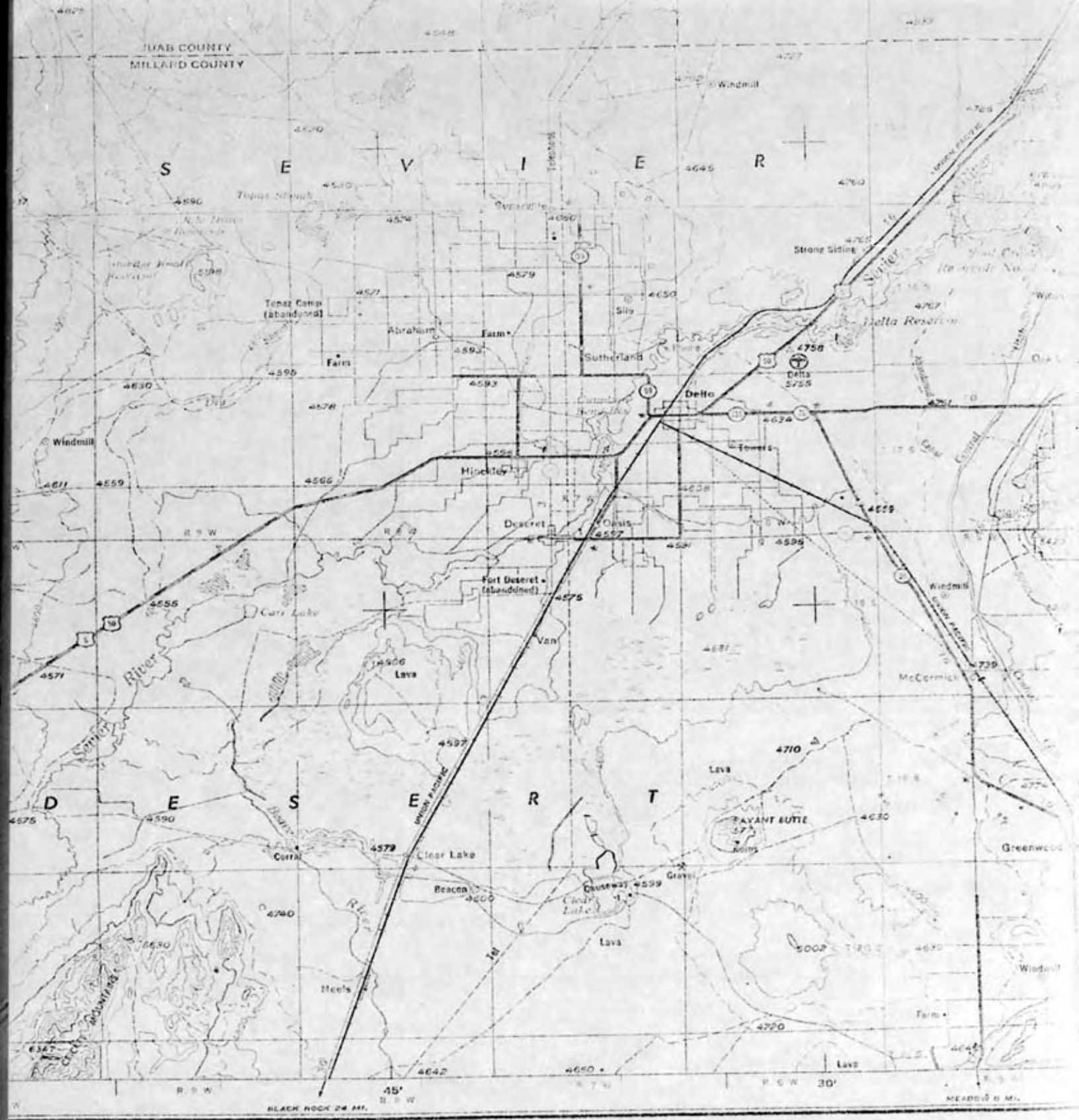
5 0 5 10 15

5 0 5 10 15 20 25

5 0 5 10

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

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 2, COLORADO OR WASHINGTON



10 15 20 Statute Miles
15 20 25 30 Kilometers
10 15 Nautical Miles

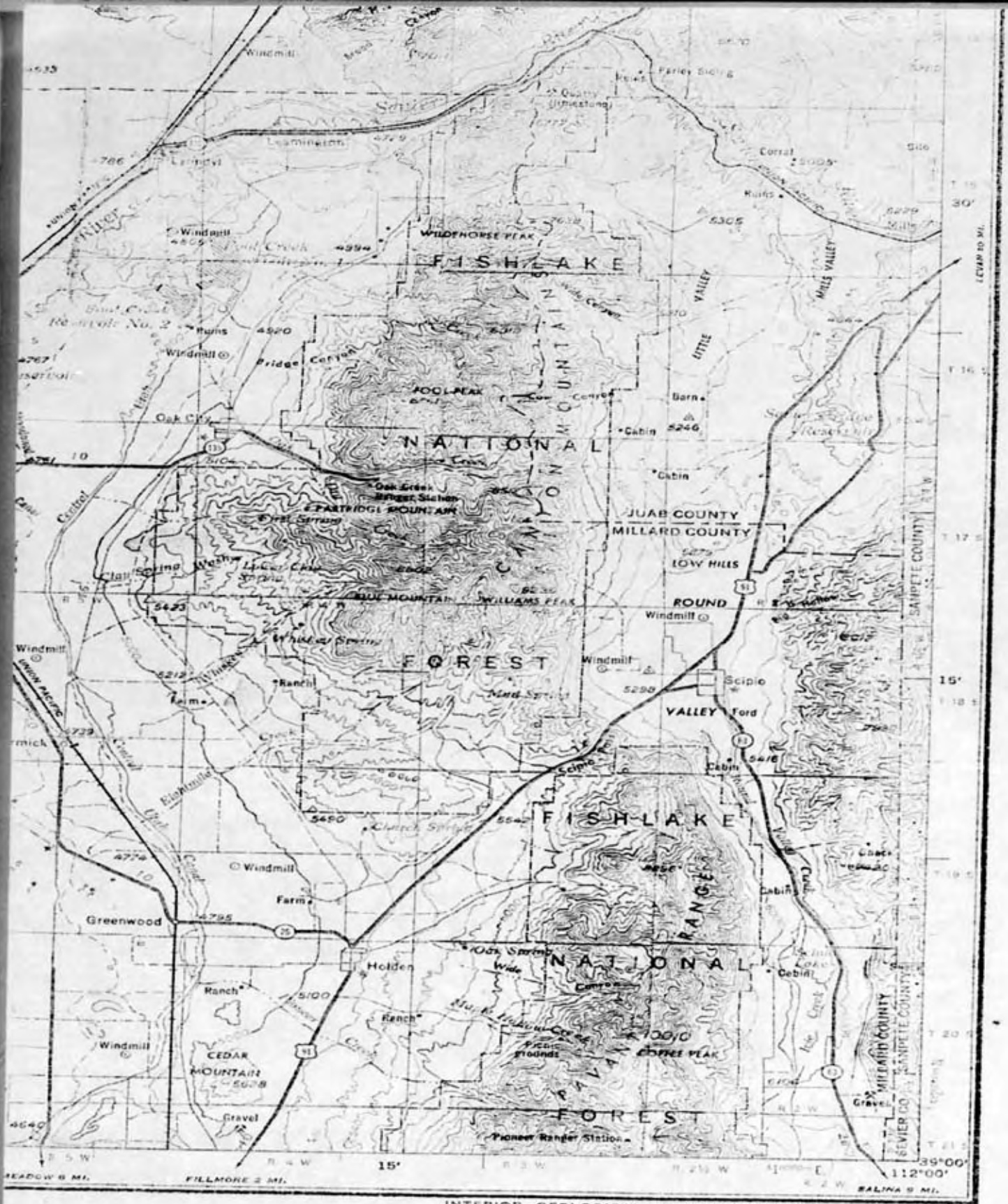
00 FEET
T 100 FOOT INTERVALS
PROJECTION

LOCATION DIAGRAM FOR NJ 12-1

NK 11-8	NK 11-9	NK 12-7	NK 12-8	NK 12-9
NK 11-11	NK 11-12	NK 12-10	NK 12-11	NK 12-12
NEVADA NJ 11-2	NJ 11-3	NJ 12-1	UTAH NJ 12-2	NJ 12-3
NJ 11-5	NJ 11-6	NJ 12-4	NJ 12-5	NJ 12-6
NJ 11-8	NJ 11-9	NJ 12-7	NJ 12-8	NJ 12-9

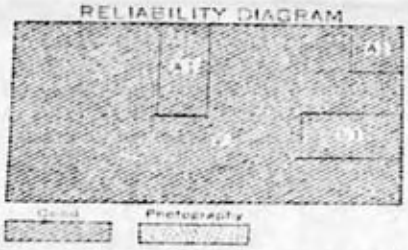
WYOMING
COLORADO
CALIFORNIA

2. COLORADO OR WASHINGTON 25, D. C.



INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1958—NS
M R-2796

RELIABILITY DIAGRAM



TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY

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

A. Large scale topographic maps, photogrammetric, 1946-1953.
B. Large scale topographic maps, photogrammetric and controlled ground survey, 1951-1952.
1. Planimetry revised from 1953 aerial photography.
2. Stereocompiled from 1953 aerial photography.

DELTA, UTAH

1 - 15 MAY 1962 SIGHTINGS

DATE	LOCATION	OBSERVER	EVALUATION
May	Athens County, Ohio	Multi (PHYSICAL SPEC)	Other (CHAFF)
May	USSR (missing)	Civilian	Aircraft
May	Clinchco, Virginia	[redacted]	Balloon
1	Alexandria, Louisiana	[redacted]	Balloon
1	28.31N 137.19W (Pacific)	Military	Astro (METEOR)
1	28.23N 137.30W (Pacific)	Military	Insufficient Data
2	Dayton, Ohio	[redacted]	Insufficient Data
2	Fairborn, Ohio	[redacted]	Astro (METEOR)
2	Southwest, Ohio	Multi	Astro (METEOR)
2	Fairborn, Ohio	[redacted]	Astro (METEOR)
2-3	Vandalia, Ohio	[redacted]	Astro (VENUS)
3	Foreman, Arkansas	[redacted]	Aircraft
4	Coloma, Michigan	[redacted]	Astro (METEOR)
5	Kirksville, Missouri	[redacted]	Insufficient Data
6	Dayton & Lebanon, Ohio	[redacted]	Satellite
7	Danville, Kentucky	[redacted]	Astro (METEOR)
8	SW Canton Island (Pacific)	Civilian Airlines	Aircraft
9	Dayton, Ohio	[redacted]	Aircraft
10	Kansas City, Missouri	[redacted]	Insufficient Data
11	Millsap, Texas	[redacted]	Astro (METEOR)
11	42.50N 155.20E (Pacific)	Civilian	Aircraft
13	05.21N 157.28W (Pacific)	Military	Satellite
14-15	Chicago, Illinois	[redacted]	Insufficient Data

ADDITIONAL REPORTED SIGHTINGS (NOT CASES)

DATE	LOCATION	SOURCE	EVALUATION
3	Cincinnati, Ohio	Newsclipping	
9	Newcastle, England	Newsclipping	
10	Tokushima-Kin, Japan	Newsclipping	
12	Lexington, Massachusetts	Newsclipping	