

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 13

Continuation from p. 1-5:

Label

A82 < Canyon; at 2.3 miles turn left up steep hill; at 1.2 miles turn right;
at 0.2 miles the adit is on the right side of the road. >

URANIUM-OCCURRENCE

Quad Name A90 < WINNEMUCCA >

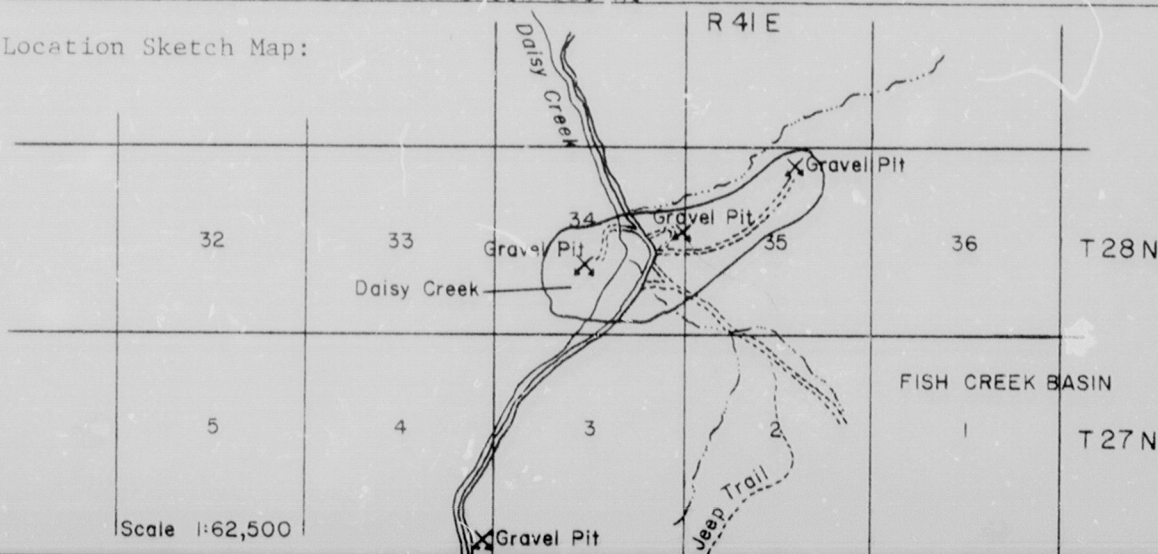
REPORT

Quad Scale A100 < 2, 5, 0, 0, 0, 0 >Deposit No. B40 < 14 >Deposit Name A10 < Daisy Creek >Synonym Name(s) All < Dacie Creek, Granger Claims >

District or Area A30 < _____ >

Country A40 < U, S > U, S State NevadaState Code A50 < 3, 2 > 3, 2 County A60 < Lander >
(Enter code twice from List D)Position from Prominent Locality A82 < From Battle Mountain drive south on Nevada
8A 11 miles and turn right. At 19.5 miles turn left onto Daisy Creek Road and
follow for 4.5 miles. Radioactive gravel pits are on both side of the road. >Field Checked G1 < 8, 0 | 0, 7 > By G2 < Wolverson | Nancy | J. >
Yr Mo Last name First InitialLatitude A70 < 4, 0 | 1, 5 | 2, 1 | N > Longitude A80 < 1, 1, 7 | 2, 0 | 5, 9 | W >
Deg Min Sec Deg Min SecTownship A77 < 0, 2, 8 | N > Range A78 < 0, 4, 1 | E > Section A79 < 3, 4 >
N/S E/W FT/MMeridian A81 < Mt. Diablo B & M > Altitude A107 < 5560 FT >Quad Scale A91 < 0, 0, 6, 2, 5, 0, 0 > Quad Name A92 < Buffalo Springs >
(7½' or 15' quad)Physiographic Province A63 < 1, 2 | Basin and Range >
(List K)Location Comments A83 < The major radioactive units occur in the gravel pits in the
northwest corner of the Fish Creek Basin. >

Location Sketch Map:



URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 14 _____

Commodities Present:

C10 <U _____ >

Commodities Produced:

MAJOR < _____ > COPROD < _____ >

MINOR < _____ > BYPROD < _____ >

Potential Commodities:

POTEN <U _____ > OCCUR < _____ >

Commodity Comments C50 < _____ >

Status of Exploration and Development A20 < 2 >

(1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer)

Comments on Exploration and Development L110 < Minerals Exploration Co. and Phillips Uranium Corp. have drilled extensively in the Fish Creek Basin. >

Property is (A21) (Active) A22 (Inactive) (Circle appropriate labels)

Workings are (M120) (Surface) M130 (Underground) M140 (Both)

Description of Workings M220 < Bulldozer trenches. >

Cumulative Uranium Production PROD YES (NO) SML MED LGE (circle)

DH2 accuracy thousands of lb. years grade

G7 < U _____ > G7A < _____ > G7B < LB > G7C < _____ > G7D < _____ > % U308 >

Source of Information D9 < _____ >

Production Comments D10 < Nothing produced. >Reserves and Potential Resources

EH accuracy thousands of lb. year of est. grade

E1 < U _____ > E1A < _____ > E1B < LB > E1C < _____ > E1D < _____ > % U308 >

Source of Information E7 < _____ >

Comments E8 < See the Winnemucca Folio - Fish Creek Basin section. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 14Deposit Form/Shape M10 < Channels, rolls, and stratiform layers. >Length M40 < 100 > M41 < M > ^{FT/M} Size M15 (circle letter):Width M50 < 20 > M51 < M > 1b U308Thickness M60 < ? > M61 < ? > A 0 - 20,000
B 20,000 - 200,000
C 200,000 - 2 million
D 2 million - 20 million
E More than 20 millionTectonic Setting N15 < Mobile Belt >Major Regional Structures N5 < North-central portion of the Basin and Range
Physiographic Province. >Local Structures N70 < Located within the Fish Creek Caldera. >

Host-FM. Name U1 < _____ > Member U2 < _____ >

Host Rock K1 < Tertiary > Fine to medium grained sandstones, siltstones,
(Age) (Rock type, texture, composition, color,
and claystones with local FeOx, MnOx, secondary silica and calcite.
alteration, attitude, geometry, structure, etc.)Host-Rock Environment U3 < Lacustrine-fluvial. >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on

Associated Rocks U4 < Sediments derived from Fish Creek Mountains tuff. >Ore Minerals C30 < Uraniferous collophane. >Ore Minerals K4 < Iron oxides, calcite, and quartz. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 14

Alteration N75 < Hematitic and limonitic alteration, zeolitization, and phosphatization

Reductants U5 < Local carbonaceous material, iron oxides, and clays.

Analytical Data (General) C43 < _____

Radiometric Data (General) U6 < 20 times BG at highest point in area about 100 m
(No. times background and dimensions)

x 20 m. Highest radioactivity occurs in the gravel pits located in the northwest
portion of the Fish Creek Basin.

Ore Controls K5 < Clay layers, local fractures, and permeable clastic sediments.

Deposit Class C40 < Hydroallogenic > Class No. U7 <5410>

Comments on Geology N85 < _____

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 14

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MEQ-063	Fish Creek Mountain Tuff	6 ppm U308
MEQ-064	Tertiary Lake Sediments	290 ppm U308
MEQ-065	Tertiary Lake Sediments	9 ppm U308
MEQ-066	Tertiary Lake Sediments	14 ppm U308
MEQ-067	Tertiary Lake Sediments	10 ppm U308
MEQ-068	Fish Creek Mountain Tuff	8 ppm U308

Geologic Sketch Map and/or Section, with Sample Locations:

References:

- F1 < Garside, L. J., 1973, Radioactive mineral occurrences in Nevada: Nevada Bureau of Mines and Geology Bulletin 81, 121 p. >
- F2 < Larson, L. T., Beal, L. H., Friby, J. R., Hibbard, M. J., Slemmons, D. B., and Larson, E. R., 1977, Great Basin geologic framework and uranium favorability: > *
- F3 < Meehan, Bob, and Hetland, Don, 1954, Dacie Creek: U.S. Atomic Energy Commission, Preliminary Reconnaissance Report N-SL-145, Open-File Report, 1 p. >
- F4 < Computerized Resources Information Bank (CRIB): U.S. Geological Survey. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 14

Continuation from p. 1-5:

Label

< URANIUM ANALYSES: (con't)

MEQ-151	Very fine grained white-gray tuffaceous claystone.	13 ppm U308
MEQ-152	Coarse grained, white-gray, arkosic sandstone.	6 ppm U308
MEQ-154	Same as MEQ-151 w/more FeOx.	760 ppm U308
MEQ-155	White-light gray, tuffaceous mudstone w/locally abundant FeOx.	560 ppm U308
MEQ-156	Brown-white, medium-coarse grained arkosic sandstone.	14 ppm U308
MEQ-157	Very fine grained, white-gray tuffaceous mudstone w/FeOx and MnOx.	18 ppm U308
MEQ-158	Very fine grained, white-gray tuffaceous mudstone-claystones.	492 ppm U308
MEQ-159	Very fine grained, brown-red-brown tuffaceous mudstone-claystone.	610 ppm U308
MEQ-167	Medium-coarse grained, silicified, arkosic sandstone.	490 ppm U308
MEQ-168	Very fine grained, white, silicified siltstone-shale w/FeOx.	265 ppm U308
MEQ-169	Very fine grained, white-gray, siliceous mudstone w/FeOx and MnOx.	770 ppm U308
MEQ-170	Very fine grained, gray-green, tuffaceous claystone w/FeOx and MnOx.	620 ppm U308
MEQ-171	Very fine grained, white tuffaceous claystone w/FeOx.	11 ppm U308
MEQ-701	Same as MEQ-170	205 ppm U308
MEQ-702	Same as MEQ-171	899 ppm U308
MEQ-201 thru 227, 289-350, and 501-686 are subsurface samples w/ 1 to 720 ppm U308		
F2	< U.S. Energy Research and Development Administration, GJBX-36(78), Open-	

File Report, 39 p.>

URANIUM-OCCURRENCE

Quad Name A90 < WINNEMUCCA >

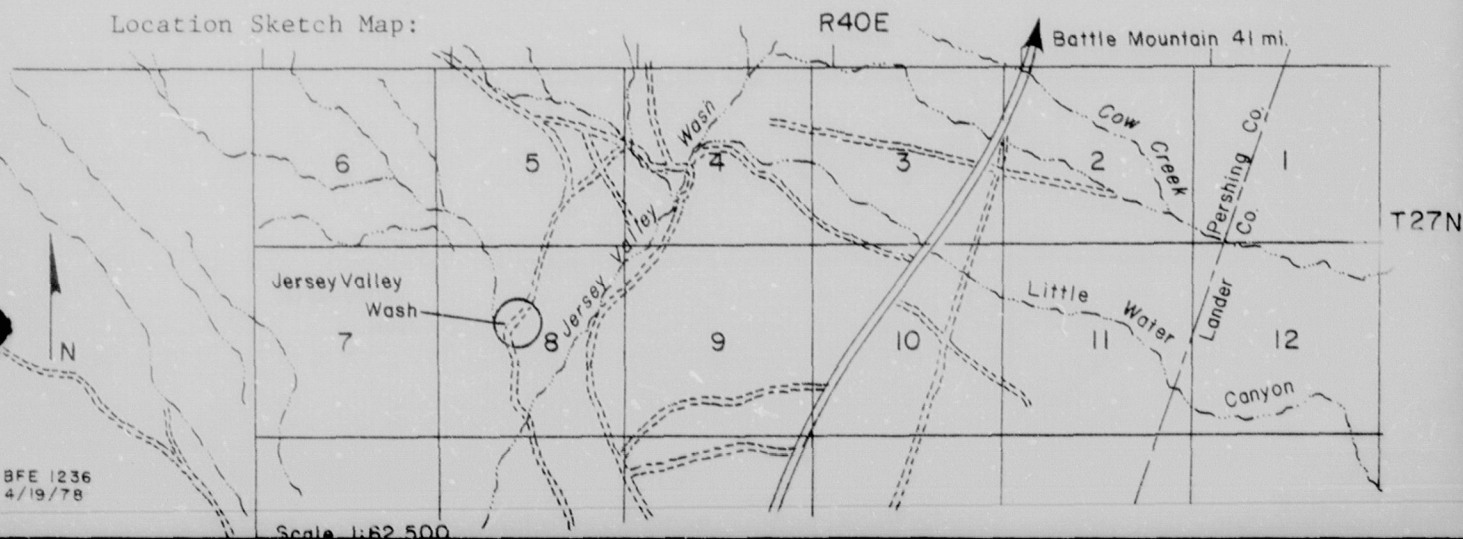
REPORT

Quad Scale A100 < 1, 2, 5, 0, 0, 0, 0 >Deposit No. B40 < 15 >Deposit Name A10 < Jersey Valley Wash >

Synonym Name(s) A11 < _____ >

District or Area A30 < Northern end of Jersey Valley >Country A40 < U, S > U, S State NevadaState Code A50 < 3, 2 > 3, 2 County A60 < Pershing >
(Enter code twice from List D)Position from Prominent Locality A82 < Go south on Nevada 8A from Battle Mountain for 11.6 miles, turn right; at 2.4 miles take left fork; at 8 miles take right fork; at 8.7 miles turn right; at 2.8 miles turn left; at 1.3 miles stop and walk up to * >Field Checked G1 < 18, 0 | 0, 7 > By G2 < Berridge | William | C. >
Yr Mo Last name First Initial
< Wolverson | Nancy | J. >Latitude A70 < 4, 0 | 1, 3 | 3, 9 > Longitude A80 < 1, 1, 7 | 3, 0 | 1, 6 >
Deg Min Sec Deg Min SecTownship A77 < 0, 2, 7 > Range A78 < 0, 4, 0 > Section A79 < 0, 8 >
N/S E/W FT/MMeridian A81 < Mt. Diablo B & M > Altitude A107 < 4440 FT >Quad Scale A91 < 0, 0, 6, 2, 5, 0, 0 > Quad Name A92 < Cain Mountain >
(7½' or 15' quad)Physiographic Province A63 < 1, 2 > Basin and Range >
(List K)Location Comments A83 < Located in Sec. 4, 5, 8, 9, T27N, R40E, on Cain Mountain 15' Quad and on Mt. Moses 15' Quad. >

Location Sketch Map:



URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 15

Deposit Form/Shape M10 < _____ >

Length M40 < _____ > M41 < FT/M > Size M15 (circle letter):Width M50 < _____ > M51 < _____ > 1b U308

Thickness M60 < _____ > M61 < _____ > A 0 - 20,000

Strike M70 < _____ > B 20,000 - 200,000

Dip M80 < _____ > C 200,000 - 2 million

D 2 million - 20 million

E More than 20 million

Tectonic Setting N15 < Mobile Belt >Major Regional Structures N5 < North central portion of the Basin and Range Physiographic Province. >

Local Structures N70 < _____ >

Host-FM. Name U1 < _____ > Member U2 < _____ >

Host Rock K1 < Fluviolacustrine sedimentary rocks of variable >
(Age) (Rock type, texture, composition, color,color and lithology. Strick N40E dip 30° SE.
alteration, attitude, geometry, structure, etc.)Host-Rock Environment U3 < Lakebed sedimentary environment. >
(Sed. dep. environ., metamorphic facies, ign. environ.)Comments on
Associated Rocks U4 < _____ >

Ore Minerals C30 < _____ >

Gangue Minerals K4 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 15

Alteration N75 < Zeolitization _____>

Reductants U5 < _____>

Analytical Data (General) C43 < _____>

Radiometric Data (General) U6 < 3 times BG _____>
(No. times background and dimensions)

Ore Controls K5 < _____>

Deposit Class C40 < Hydroallogenic _____> Class No. U7 <5,4,0>

Comments on Geology N85 < _____>

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 15

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MEQ-110	Tertiary Lake beds. - Tuffaceous	8 ppm U308
MEQ-111	Tertiary Lake beds.	111 ppm U308
MEQ-134	Tertiary Lake beds.	10 ppm U308
MEQ-135	Tertiary Lake beds.	18 ppm U308
MEQ-136	Tertiary Lake beds.	12 ppm U308
MEQ-137	Tertiary Lake beds. - Tuffaceous	82 ppm U308 *

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1 < _____ >

F2 < _____ >

F3 < _____ >

F4 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 15

Continuation from p. 1-5:

Label

< URANIUM ANALYSES:

MEQ-139	Tertiary Lake beds.	28 ppm U308
MEQ-165	Fine-medium grained, gray, thick bedded water-lain(?) air-fall tuff.	7 ppm U308
MEQ-166	Very fine-medium grained, white-brown-gray, tuffaceous sandstone-shale w/FeOx rings.	23 ppm U308
MEQ-276	Fine-medium grained, white, tuffaceous, siltstone-shale w/abundant FeOx. Minor MnOx.	18 ppm U308
MEQ-277	Fine-medium grained, white-gray, claystone with minor FeOx + MnOx.	7 ppm U308

A82 < outcrop on left (east) side of road.>

URANIUM-OCCURRENCE

Quad Name A90 < WINNEMUCCA >

REPORT

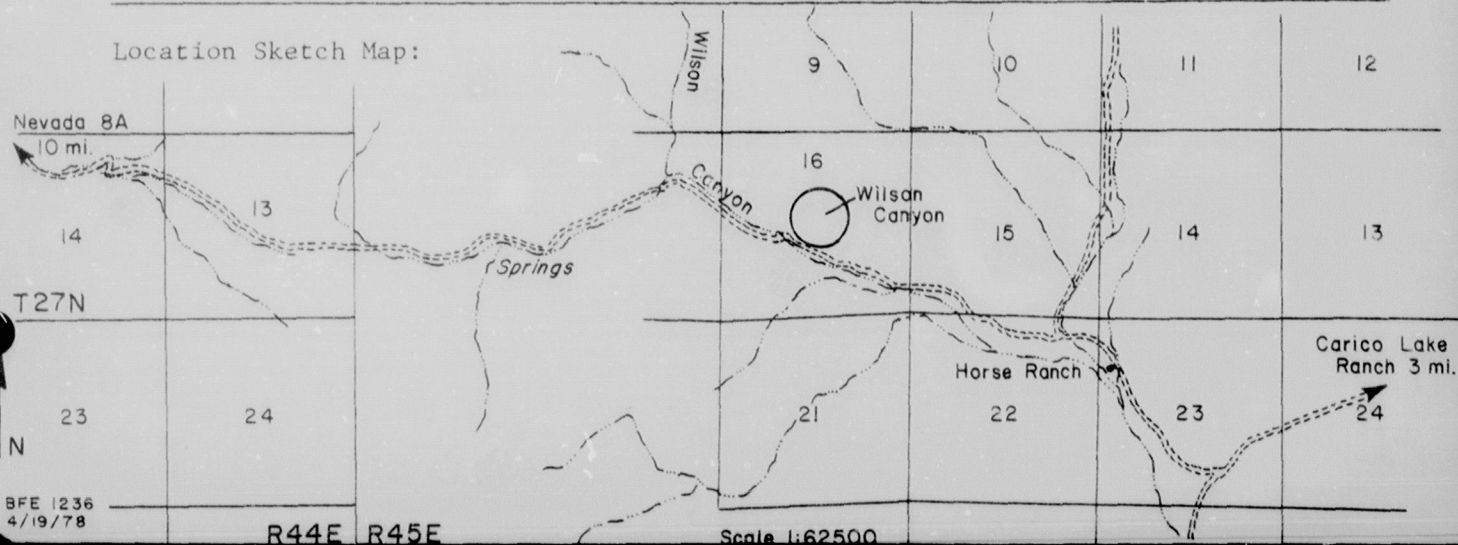
Quad Scale A100 < 1, 2, 5, 0, 0, 0, 0 >Deposit No. B40 < 16 >Deposit Name A10 < Wilson Canyon >

Synonym Name(s) All < _____ >

District or Area A30 < Carico Lake Valley >Country A40 < U, S | U, S > State NevadaState Code A50 < 3, 2 | 3, 2 > County A60 < Lander >
(Enter code twice from List D)Position from Prominent Locality A82 < Go south on Nevada 8A from Battle Mountain for 25.3 miles (Redrock Canyon sign) and turn left; at 9 miles take left fork; at 4.7 miles stop and the uranium occurrence is in the outcrop approximately 1000 ft >Field Checked G1 < 8, 0 | 0, 7 > By G2 < Berridge | William | C. >
Yr Mo Last name First Initial
< Wolverson | Nancy | J. >Latitude A70 < 4, 0 | 1, 2 | 4, 4 | N > Longitude A80 < 1, 1, 6 | 5, 5 | 1, 4 | W >
Deg Min Sec Deg Min SecTownship A77 < 0, 2, 7 | N > Range A78 < 0, 4, 5 | E > Section A79 < 1, 6 >
N/S E/W FT/MMeridian A81 < Mt. Diablo B & M > Altitude A107 < 5800 FT >Quad Scale A91 < 0, 0, 6, 2, 5, 0, 0 > Quad Name A92 < Carico Lake >
(7½' or 15' quad)Physiographic Province A63 < 1, 2 | Basin and Range >
(List K)

Location Comments A83 < _____ >

Location Sketch Map:



URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 16Deposit Form/Shape M10 < Stratiform >

FT/M

Length M40 < _____ > M41 < _____ >

Size M15 (circle letter):

Width M50 < _____ > M51 < _____ >

1b U308

Thickness M60 < _____ > M61 < _____ >

 A 0 - 20,000

B 20,000 - 200,000

Strike M70 < _____ >

C 200,000 - 2 million

Dip M80 < _____ >

D 2 million - 20 million

E More than 20 million

Tectonic Setting N15 < Mobile Belt >Major Regional Structures N5 < North central portion of Basin and Range Physiographic Province. >Local Structures N70 < On north edge of unnamed Volcano-Tectonic depression. >

Host-FM. Name U1 < _____ > Member U2 < _____ >

Host Rock K1 < TERTIARY | Fine grained, white, diatomaceous vitric tuffs;
(Age) (Rock type, texture, composition, color,totally welded. Glass is locally entirely devitrified to clay but sometimes fresh;
alteration, attitude, geometry, structure, etc.)Local barite cement. Tuffs are generally waterlain airfalls.Host-Rock Environment U3 < Lakebed environment. >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on

Associated Rocks U4 < _____ >

Ore Minerals C30 < Uraniferous collophane occurs in samples MEQ-146, 172, 173, 174. >A single grain of a Ce, La, Nd bearing carbonate with a trace of uranium was found *

Gangue Minerals K4 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 16

Alteration N75 < Devitrification.

Reductants U5 < _____

Analytical Data (General) C43 < _____

Radiometric Data (General) U6 < 3 times BG in 1' thick bed exposed for approximately
(No. times background and dimensions)

200 m.

Ore Controls K5 < Distribution of phosphorus in rocks.

Deposit Class C40 < Hydroallogenic > Class No. U7 <5410>

Comments on Geology N85 < Abundant cylindrical diatoms occur in MEQ-146, 147, 172,
and 174. Zeolites are dispersed through clays in diatomaceous claystones; MEQ-146,
147.

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 16

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MEQ-145	Tertiary Seds. - Brown	5 ppm U308
MEQ-146	Tertiary Seds. - White - 1' Thick	196 ppm U308
MEQ-147	Tertiary Seds. - 5' channel.	15 ppm U308
MEQ-148	Tertiary Seds. - White - 3' Thick	6 ppm U308
MEQ-149	Tertiary Seds. - White	3 ppm U308
MEQ-150	Tertiary Seds. - Brown	1 ppm U308 *

Geologic Sketch Map and/or Section, with Sample Locations:

References:

- F1 < This study. _____ >
- _____ >
- F2 < _____ >
- _____ >
- F3 < _____ >
- _____ >
- F4 < _____ >
- _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 16

Continuation from p. 1-5:

Label

A82 < on the north side of the road. >

C30 < in MEQ-146. >

URANIUM ANALYSES:

MAG-703	Tertiary Seds. - White - 1' Thick	142 ppm U308
MAG-704	Bates Mt. Tuff	7 ppm U308
MAG-707	Tuffaceous Sandstone	5 ppm U308
MEQ-172	White tuffaceous mudstone w/MnOx.	222 ppm U308
MEQ-173	Same as MEQ-172	169 ppm U308
MEQ-174	Same as MEQ-172	238 ppm U308

URANIUM-OCCURRENCE

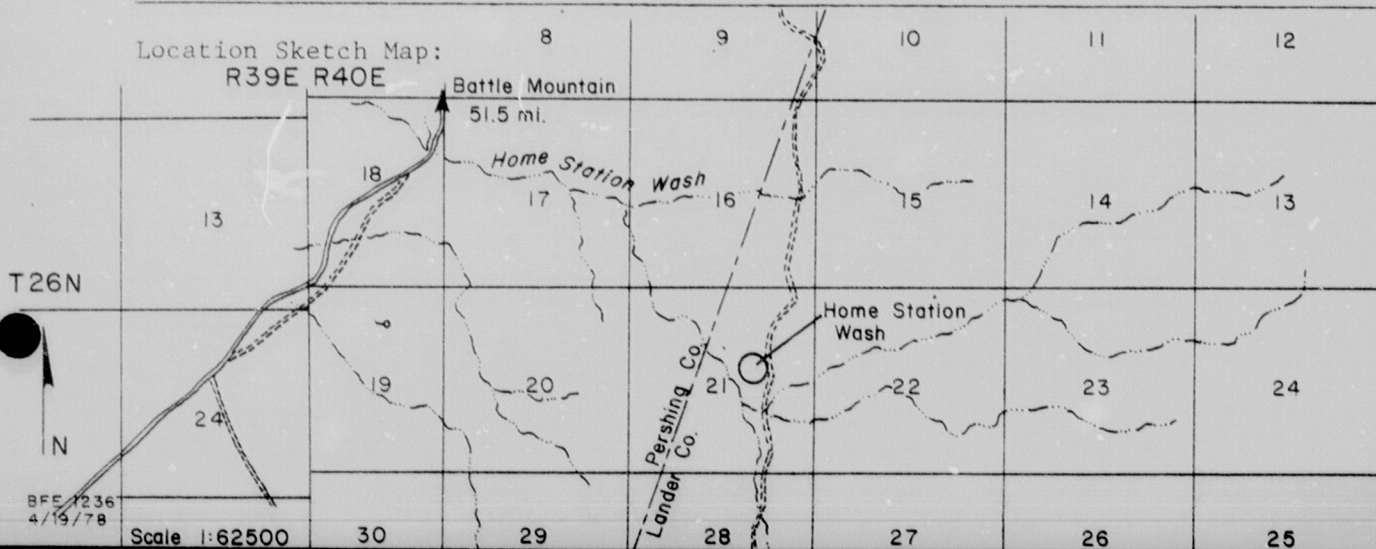
Quad Name A90 < WINNEMUCCA >

REPORT

Quad Scale A100 < 1, 2, 5, 0, 0, 0, 0 >Deposit No. B40 < 19 >Deposit Name A10 < Home Station Wash >

Synonym Name(s) All < _____ >

District or Area A30 < _____ >

Country A40 < U, S > U, S State NevadaState Code A50 < 3, 2 > 3, 2 County A60 < Lander >
(Enter code twice from List D)Position from Prominent Locality A82 < Go south on Nevada 8A from Battle Mountain for 11.6 miles and turn right (west); after 2.4 miles take left fork; at 8 miles take right fork; after 14.6 miles turn left (east) up Home Station Wash; stay on > *Field Checked G1 < 8, 0 | 0, 6 > By G2 < Wolverson | Nancy | J. >
Yr Mo Last name First Initial
< Berridge | William | C. >Latitude A70 < 4, 0 | 0, 6 | 3, 7, N > Longitude A80 < 1, 1, 7 | 2, 8 | 5, 9, W >
Deg Min Sec Deg Min SecTownship A77 < 0, 2, 6 | N > Range A78 < 0, 4, 0 | E > Section A79 < 2, 1 >
N/S E/W FT/MMeridian A81 < Mt. Diablo B&M > Altitude A107 < 4720 FT >Quad Scale A91 < 0, 0, 6, 2, 5, 0, 0 > Quad Name A92 < Mt. Moses >
(7½' or 15' quad)Physiographic Province A63 < 1, 2 | Basin and Range >
(List K)Location Comments A83 < Anomalous radioactivity occurs on the west side of the road. >

URANIUM-OCCURRENCE
REPORT

Quad Name WINNEMUCCA
Deposit No. 19

Commodities Present:
C10 U

Commodities Produced:
MAJOR COPROD

MINOR BYPROD

Potential Commodities:
POTEN OCCUR

Commodity Comments C50 < _____ >

Status of Exploration and Development A20 < 2 >
(1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer)

Comments on Exploration and Development L110 < There are numerous drill holes scattered throughout Home Station Wash and extending out into the eastern half of >

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220 < Some small dozer pits which may or may not be associated with the anomaly. >

Cumulative Uranium Production PROD YES NO SML MED LGE (circle)

DH2 accuracy thousands of lb. years grade
G7 U G7A N O N E G7B < LB > G7C < _____ > G7D < _____ > % U308 < _____ >

Source of Information D9 < On site observation. >

Production Comments D10 < _____ >

Reserves and Potential Resources

EH accuracy thousands of lb. year of est. grade
E1 U E1A < _____ > E1B < LB > E1C < _____ > E1D < _____ > % U308 < _____ >

Source of Information E7 < _____ >

Comments E8 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 19Deposit Form/Shape M10 < Channels and rolls. >

FT/M

Length M40 < _____ > M41 < _____ >

Size M15 (circle letter):

Width M50 < _____ > M51 < _____ >

1b U308

Thickness M60 < _____ > M61 < _____ >

A 0 - 20,000

B 20,000 - 200,000

Strike M70 < _____ >

C 200,000 - 2 million

Dip M80 < _____ >

D 2 million - 20 million

E More than 20 million

Tectonic Setting N15 < Mobile Belt >Major Regional Structures N5 < North central portion of the Basin and RangePhysiographic Province.Local Structures N70 < Located just off the western flank of the Fish CreekCaldera.

Host-FM. Name U1 < _____ > Member U2 < _____ >

Host Rock K1 < TERTIARY QUARTZITE | B | Poorly consolidated pebble conglomerate with
(Age) (Rock type, texture, composition, color,fragments up to 2 inches in diameter; abundant iron oxides (hematite); appears to
alteration, attitude, geometry, structure, etc.)be \leq 1 ft thick.Host-Rock Environment U3 < Sedimentary lakebed environment. >

(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on

Associated Rocks U4 < _____ >

Ore Minerals C30 < Unknown secondary uranium mineral. >Gangue Minerals K4 < Calcite. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 19Alteration N75 < Hematitic alteration.Reductants U5 < Iron oxides (hematite) and wood fragments.

Analytical Data (General) C43 < _____

Radiometric Data (General) U6 < 10 times BG (2 ft. x 2 ft.) and 5 times BG (10 ft.
(No. times background and dimensions)
x 3 ft.)Ore Controls K5 < Permeable clastic sedimentary rocks along reduction-oxidation
interface.Deposit Class C40 < Hydroallogenic > Class No. U7 <540>

Comments on Geology N85 < _____

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 19

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MEQ-153	Poorly consolidated pebble conglomerate w/abundant FeOx (hematite)	216 ppm U308
MEQ-278	Coarse grained, reworked(?), tuffaceous sandstone-conglomerate w/wood fragments.	330 ppm U308
MEQ-279	Med.-coarse grained, gray, tuffaceous siltstone-sandstone w/abundant FeOx. Wood & secondary calcite.	272 ppm U308
MEQ-280	Coarse grained FeOx rich conglomerate w/minor MnOx and wood.	410 ppm U308
MEQ-284	Coarse grained, red, conglomeratic sandstone with abundant secondary uranium mineral.	1030 ppm U308

Geologic Sketch Map and/or Section, with Sample Locations:

References:

- F1 < _____ >
- F2 < _____ >
- F3 < _____ >
- F4 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 19

Continuation from p. 1-5:

Label

A-82 <main dirt road for 4.8 miles and the uranium occurrence is in road cut on
west side of road.>

L110 Jersey Valley.>

URANIUM-OCCURRENCE

Quad Name A90 < WINNEMUCCA >

REPORT

Quad Scale A100 < 1, 2, 5, 0, 0, 0, 0 >

Deposit No. B40 < 1 >

Deposit Name A10 < Harris >

Synonym Name(s) A11 < Golconda Hot Spring >

District or Area A30 < Golconda, Nevada >

Country A40 < U, S > [U, S] State Nevada

State Code A50 < 3, 2 > [3, 2] County A60 < Humboldt >
(Enter code twice from List D)

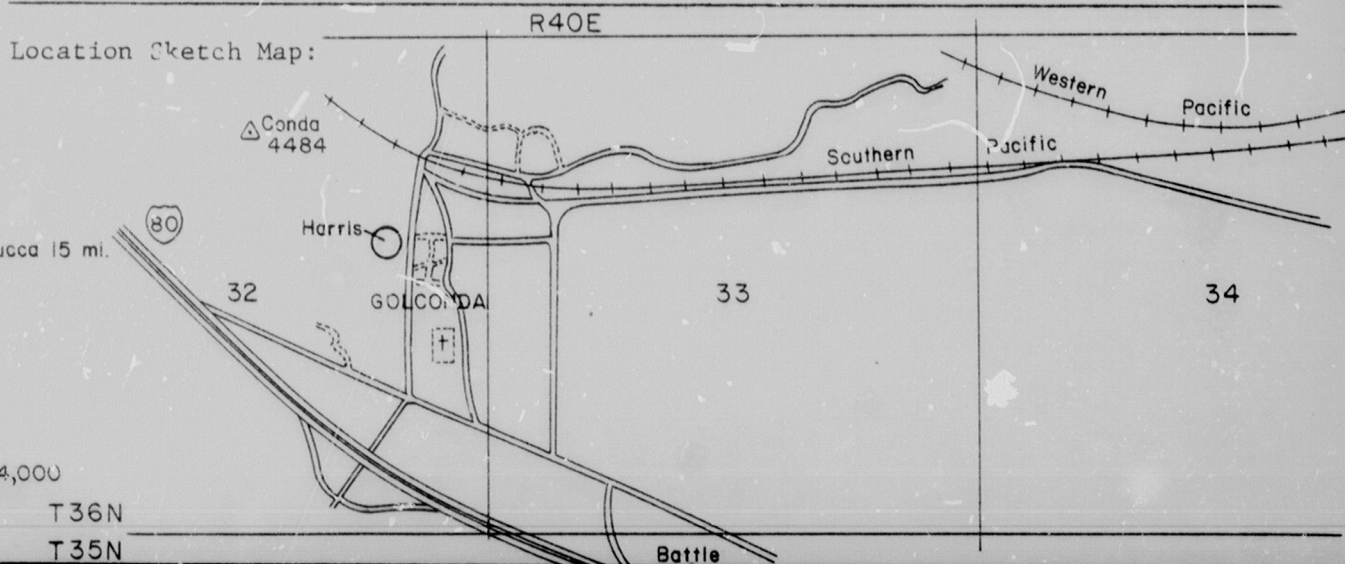
Position from Prominent Locality A82 < Located at Golconda, Nevada. >

Field Checked G1 < 7, 8 | 0, 6 > By G2 < Cupp, Gary M. >
Yr Mo Last name First InitialLatitude A70 < 4, 0 | 5, 7 | 3, 9, N > Longitude A80 < 1, 1, 7 | 2, 9 | 3, 4, W >
Deg Min Sec Deg Min SecTownship A77 < 0, 3, 6 | N > Range A78 < 0, 4, 0 | E > Section A79 < 2, 9 >
N/S E/W FT/M

Meridian A81 < Mt. Diablo B & M > Altitude A107 < 4380 FT >

Quad Scale A91 < 0, 0, 2, 4, 0, 0, 0 > Quad Name A92 < Golconda >
(7½' or 15' quad)Physiographic Province A63 < 1, 2 | Basin and Range >
(List K)

Location Comments: A83 < Located on west side of paved road at the series of ponds. >



URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 1

Commodities Present:

C10 < _____ >

Commodities Produced:

MAJOR < _____ > COPROD < _____ >

MINOR < _____ > BYPROD < _____ >

Potential Commodities:

POTEN < _____ > OCCUR < _____ >

Commodity Comments C50 < No commodities are present. _____ >

Status of Exploration and Development A20 < 1 >
(1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer)

Comments on Exploration and Development L110 < _____ >

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220 < None. _____ >

Cumulative Uranium Production PROD YES NO SML MED LGE (circle)

DH2 accuracy thousands of lb. years grade
G7 < U _____ > G7A < NONE _____ > G7B < LB > G7C < _____ > G7D < _____ > % U308 >

Source of Information D9 < On site observation. _____ >

Production Comments D10 < No known production _____ >

Reserves and Potential Resources

EH accuracy thousands of lb. year of est. grade
E1 < U _____ > E1A < NONE _____ > E1B < LB > E1C < _____ > E1D < _____ > % U308 >

Source of Information E7 < On site observation _____ >

Comments E8 < No apparent reserves or resources. _____ >

URANIUM-OCCURRENCE

REPORT

Quad Name WINNEMUCCA

Deposit No. 1

Deposit Form/Shape M10 < _____ >

Length M40 < _____ > M41 < FT/M > Size M15 (circle letter):

Width M50 < _____ > M51 < _____ > 1b U308

Thickness M60 < _____ > M61 < _____ > A 0 - 20,000

Strike M70 < _____ > B 20,000 - 200,000

Dip M80 < _____ > C 200,000 - 2 million

- D 2 million - 20 million
- E More than 20 million

Tectonic Setting N15 < Mobile Belt >

Major Regional Structures N5 < North central portion of the Basin and Range

Physiographic Province.

Local Structures N70 < _____ >

Host-FM. Name U1 < _____ > Member U2 < _____ >

Host Rock K1 < Quaternary Alluvium and tufa? >
(Age) (Rock type, texture, composition, color,

alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3 < Hot spring environment. >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4 < _____ >

Ore Minerals C30 < None. >

Gangue Minerals K4 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 1

Alteration N75 < _____

_____ >

Reductants U5 < _____

_____ >

Analytical Data (General) C43 < .005% U308 from AEC sample in PRR N-SL-17. Garside
(1973) reports thorium in the water.

_____ >

Radiometric Data (General) U6 < Small area 10' x 10' is 4 times BG
(No. times background and dimensions)

_____ >

Ore Controls K5 < _____

_____ >

Deposit Class C40 < _____ > Class No. U7 < 111 >

Comments on Geology N85 < _____

_____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 1

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MEQ-033	Sediments around Hot Spring	3 ppm U308

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1 < Davis, H. C., Horner, W., and Olsen, D., 1953, Harris: U.S. Atomic Energy Commission, Preliminary Reconnaissance Report N-SL-17, Open-File Report, 1 p. >

F2 < Garside, L. J., 1973, Radioactive mineral occurrences in Nevada: Nevada Bureau of Mines and Geology Bulletin 81, 121 p. >

F3 < _____ >

_____ >

F4 < _____ >

_____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 1

Continuation from p. 1-5:

Label

F1 < 1 p. >

Lined area for report content.

URANIUM-OCCURRENCE

Quad Name A90 < WINNEMUCCA >

REPORT

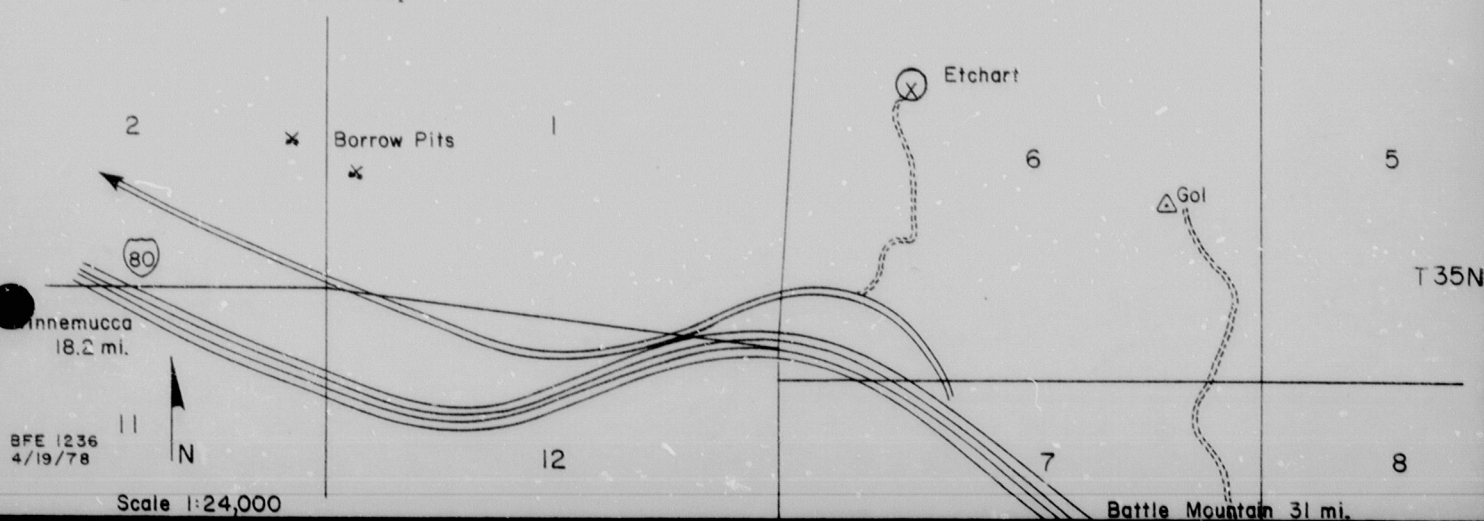
Quad Scale A100 < 1, 2, 5, 0, 0, 0, 0 >Deposit No. B40 < 2 >Deposit Name A10 < Etchart Claims >

Synonym Name(s) All < _____ >

District or Area A30 < Golconda >Country A40 < U, S | U, S > State NevadaState Code A50 < 3, 2 | 3, 2 > County A60 < Humboldt >
(Enter code twice from List D)Position from Prominent Locality A82 < Go east from Golconda on Nevada 18 and when it turns left (north) continue east for another 2 miles; turn left and go to the end of the road (1/2 mile) to small prospect. >Field Checked G1 < 7, 8 | 10, 6 > By G2 < Cupp | Gary | M. >
Yr Mo Last name First InitialLatitude A70 < 4, 0 | 15, 6 | 1, 3, N > Longitude A80 < 1, 1, 7 | 2, 4 | 3, 2, W >
Deg Min Sec Deg Min SecTownship A77 < 1, 0, 3, 9, N > Range A78 < 1, 0, 4, 1, E > Section A79 < 1, 0, 6 >
N/S E/W FT/MMeridian A81 < Mt. Diablo 3 & M > Altitude A107 < 5050 FT >Quad Scale A91 < 1, 0, 0, 2, 4, 0, 0, 0 > Quad Name A92 < Golconda >
(7½' or 15' quad)Physiographic Province A63 < 1, 2 | Basin and Range >
(List K)Location Comments A83 < Located at old prospect on east side of small ridge above jeep trail. >

Location Sketch Map:

R40E R41E

BFE 1236
4/19/78

Scale 1:24,000

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 2

Deposit Form/Shape M10 < _____ >

FT/M

Length M40 < _____ > M41 < _____ >

Size M15 (circle letter):

Width M50 < _____ > M51 < _____ >

1b U308

Thickness M60 < _____ > M61 < _____ >

A 0 - 20,000

B 20,000 - 200,000

Strike M70 < _____ >

C 200,000 - 2 million

D 2 million - 20 million

Dip M80 < _____ >

E More than 20 million

Tectonic Setting N15 < Mobile Belt >Major Regional Structures N5 < North central portion of the Basin and RangePhysiographic Province.

Local Structures N70 < _____ >

Host-FM. Name U1 < Havalla > Member U2 < _____ >Host Rock K1 < P E N N - P E R M | Quartzite with abundant quartz veinlets and
(Age) (Rock type, texture, composition, color,minor turquoise and epidote.
alteration, attitude, geometry, structure, etc.)Host-Rock Environment U3 < _____ >
(Sed. dep. environ., metamorphic facies, ign. environ.)Comments on
Associated Rocks U4 < _____ >Ore Minerals C30 < Turquoise >Gangue Minerals K4 < Quartz. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 2

Alteration N75 < _____ >

Reductants U5 < _____ >

Analytical Data (General) C43 < The only sample taken had 19 ppm U308 which is about 5 times the world wide average (Vinogradov, 1956). >

Radiometric Data (General) U6 < 1 times BG
(No. times background and dimensions) >

Ore Controls K5 < _____ >

Deposit Class C40 < _____ > Class No. U7 < 111 >

Comments on Geology N85 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 2

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MEQ-034	Havalla Formation at prospect	19 ppm U308

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1 < Larson, L. T., Beal, L. H., Firby, J. R., Hibbard, M. J., Slemmons, D. B., and Larson, E. R., 1977, Great Basin geologic framework and uranium favorability: > *

F2 < _____ >

F3 < _____ >

F4 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 2

Continuation from p. 1-5:

Label

F1 < U.S. Energy Research and Development Administration, GJBX-36(78), Open-
File Report, 39 p. >

URANIUM-OCCURRENCE

Quad Name A90 < WINNEMUCCA >

REPORT

Quad Scale A100 < 1, 2, 5, 0, 0, 0, 0 >

Deposit No. B40 < 3 >

Deposit Name A10 < Iron Point >

Synonym Name(s) All < _____ >

District or Area A30 < Iron Point Mining District >

Country A40 < U, S > U, S State Nevada

State Code A50 < 3, 2 > 3, 2 County A60 < Humboldt >
(Enter code twice from List D)

Position from Prominent Locality A82 < Go east on I80 from Golconda for 9.2 miles and take the Iron Pt. exit, go north for .2 miles and take the left fork; at .35 miles take left fork; at .40 miles take left fork; at 1.5 miles take right turn > *

Field Checked G1 < 8, 0 | 0, 7 > By G2 < Wolverson, Nancy J.
Yr Mo Last name First Initial
Berridge William C.

Latitude A70 < 4, 0 | 5, 5 | 2, 4 | N > Longitude A80 < 1, 1, 7 | 1, 9 | 0, 6 | W >
Deg Min Sec Deg Min Sec

Township A77 < 0, 3, 9 | N > Range A78 < 0, 4, 1 | E > Section A79 < 1, 2 >
N/S E/W FT/M

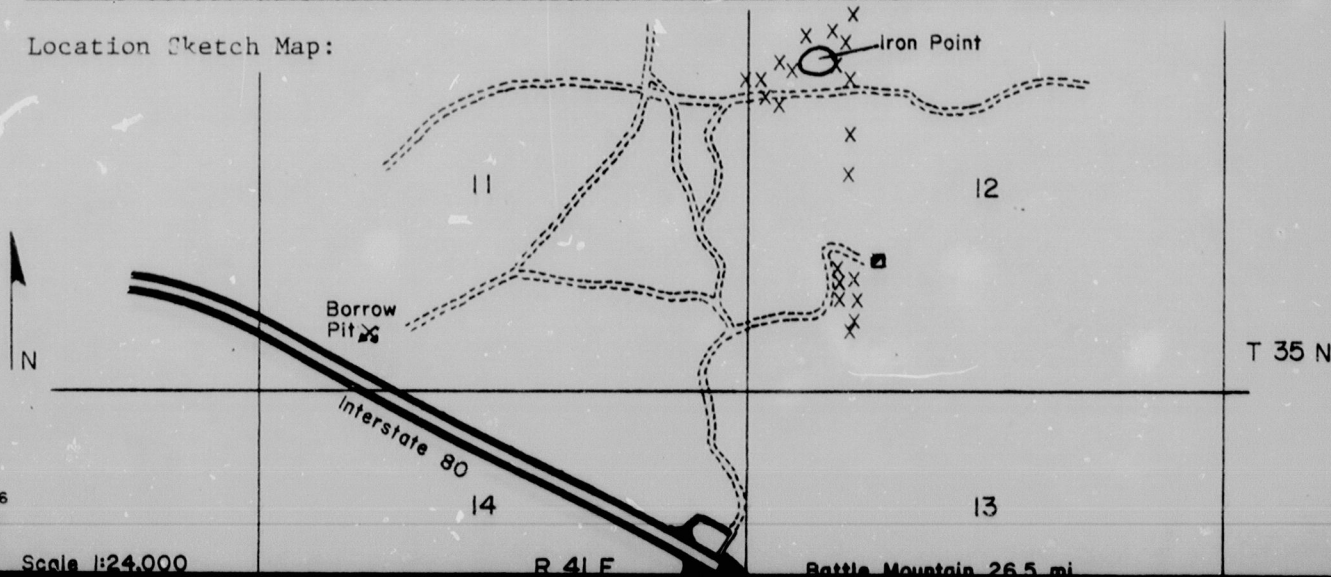
Meridian A81 < Mt. Diablo B & M > Altitude A107 < 4600 FT >

Quad Scale A91 < 0, 0, 2, 4, 0, 0, 0 > Quad Name A92 < Iron Point >
(7½' or 15' quad)

Physiographic Province A63 < 1, 2 | Basin and Range >
(List K)

Location Comments A83 < Approximately 1 mile north of I-80, Iron Point Exit. >

Location Sketch Map:



URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 3Deposit Form/Shape M10 < Fissure veins. >

FT/M

Length M40 < 3 > M41 < FT >

Size M15 (circle letter):

Width M50 < _____ > M51 < _____ >

1b U308Thickness M60 < 0.5 > M61 < FT >A 0 - 20,000

B 20,000 - 200,000

Strike M70 < _____ >

C 200,000 - 2 million

Dip M80 < _____ >

D 2 million - 20 million

E More than 20 million

Tectonic Setting N15 < Mobile Belt >Major Regional Structures N5 < North central portion of the Basin and RangePhysiographic Province.Local Structures N70 < Thrust Fault.Host-FM. Name U1 < Vinini > Member U2 < _____ >Host Rock K1 < Ordovician > Black shale, very fine grained, carbonaceous,
(Age) (Rock type, texture, composition, color,thin-bedded with 1/4 inch quartz stringers.
alteration, attitude, geometry, structure, etc.)Host-Rock Environment U3 < Deep water marine. >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on

Associated Rocks U4 < _____ >

Ore Minerals C30 < Yellow platy secondary uranium mineral, identified by x-ray as
carnotite, occurs as fracture fillings. >Gangue Minerals K4 < Quartz. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 3Alteration N75 < _____

_____ >Reductants U5 < Carbon

_____ >Analytical Data (General) C43 < _____

_____ >Radiometric Data (General) U6 < up to 10 times BG
(No. times background and dimensions)

_____ >Ore Controls K5 < Fissures.

_____ >Deposit Class C40 < Marine black shale _____ > Class No. U7 < 1,3,0 >Comments on Geology N85 < The uranium present is localized along fissures and was
apparently leached from overlying felsic tuffs.

_____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 3

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MES-299	Black Shale	76 ppm U308
MEQ-116	Black Shale	65 ppm U308
MEQ-162	Carbonaceous, black shale	2130 ppm U308

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1 < _____
 _____ >

F2 < _____
 _____ >

F3 < _____
 _____ >

F4 < _____
 _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 3

Continuation from p. 1-5:

Label

A82 < and go for .2 miles. The uranium occurrence is on the left (north) side
of the road about halfway up the hill.>

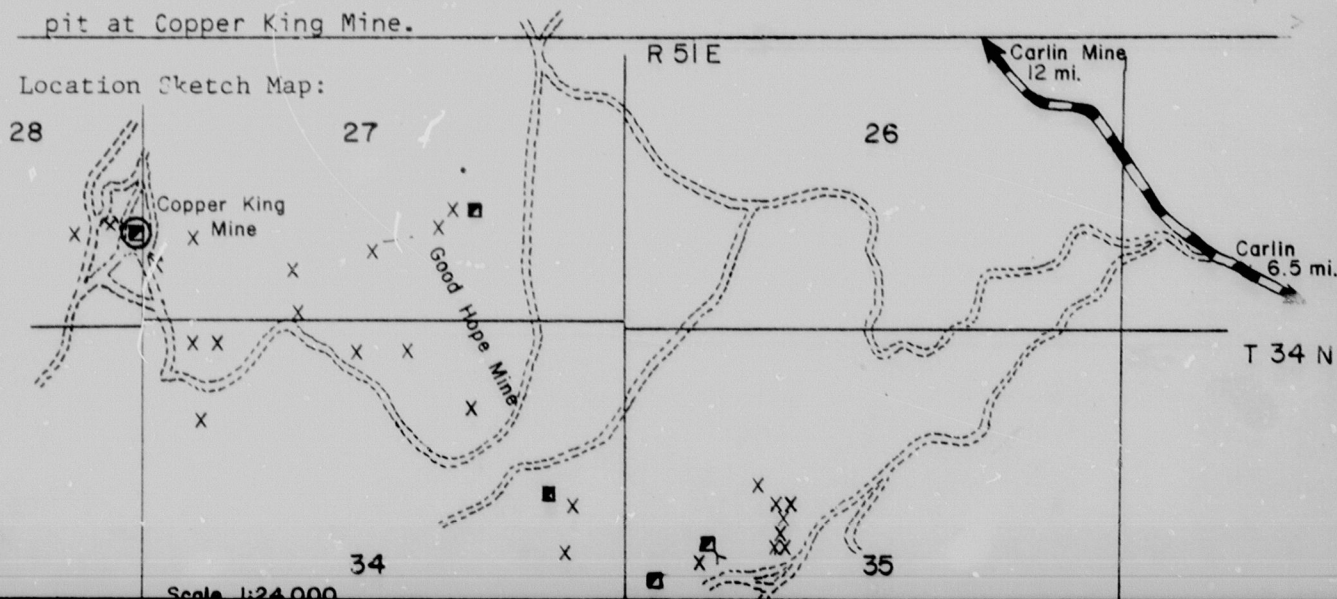
URANIUM-OCCURRENCE

Quad Name A90 < WINNEMUCCA >

REPORT

Quad Scale A100 < 2, 5, 0, 0, 0, 0 >Deposit No. B40 < 4 >Deposit Name A10 < Copper King Mine >Synonym Name(s) A11 < Maggie Creek Prospect >District or Area A30 < Maggie Creek Valley >Country A40 < U, S > U, S State NevadaState Code A50 < 3, 2 > 3, 2 County A60 < Eureka >
(Enter code twice from List D)Position from Prominent Locality A82 < Go north on Maggie Creek Road from Carlin for 6.5 miles and turn left, almost immediately take right fork and go 1.5 miles; take a sharp left and go for 1.5 miles to Copper King Mine. >Field Checked G1 < 7, 8 | 0, 7 > By G2 < Cupp , Gary M. >
Yr Mo Last name First InitialLatitude A70 < 4, 0 | 4, 8 | 0, 3, N > Longitude A80 < 1, 1, 6 | 1, 4 | 2, 1, W >
Deg Min Sec Deg Min SecTownship A77 < 0, 3, 4 | N > Range A78 < 0, 5, 1 | E > Section A79 < 2, 7 >
N/S E/W FT/MMeridian A81 < Mt. Diablo B & M > Altitude A107 < 5600 FT >Quad Scale A91 < 0, 0, 2, 4, 0, 0, 0 > Quad Name A92 < Schroeder Mountain >
(7½' or 15' quad)Physiographic Province A63 < 1, 2 | Basin and Range >
(List K)Location Comments A83 < Radioactive zone located approximately 500 m east of open pit at Copper King Mine. >

Location Sketch Map:



URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 4

Commodities Present:

C10 C U A U U

Commodities Produced:

MAJOR C U A U COPRODMINOR BYPROD

Potential Commodities:

POTEN OCCUR Commodity Comments C50 <It may be possible to recover U as a by product of Cu and Au production.>Status of Exploration and Development A20 < 4 >

(1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer)

Comments on Exploration and Development L110 <Produced Cu and Au but not U. Presently under development as low-grade Au deposit.>Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)Workings are M120 (Surface) M130 (Underground) M140 (Both)Description of Workings M220 < 200 ft vertical shaft, 850 ft underground working, Open pit - 85 ft x 65 ft x 100 ft deep, numerous pits and trenches.>Cumulative Uranium Production PROD YES NO SML MED LGE (circle)

DH2 accuracy thousands of lb. years grade

G7 U G7A < N O N E > G7B < LB > G7C < > G7D < > % U308Source of Information D9 < On site observation.>Production Comments D10 < >Reserves and Potential Resources

EH accuracy thousands of lb. year of est. grade

E1 U E1A < N O N E > E1B < LB > E1C < > E1D < > % U308Source of Information E7 < One site observation.>Comments E8 < Surface radioactivity would suggest very low potential even as a by product.>

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 4Deposit Form/Shape M10 < Radioactive fractures. >Length M40 < 6 > M41 < M >

FT/M

Size M15 (circle letter):

Width M50 < 6 > M51 < M >1b U308

Thickness M60 < _____ > M61 < _____ >

A 0 - 20,000

B 20,000 - 200,000

Strike M70 < N45°E >

C 200,000 - 2 million

D 2 million - 20 million

Dip M80 < 70°W >

E More than 20 million

Tectonic Setting N15 < Mobile Belt >Major Regional Structures N5 < North central portion of the Basin and RangePhysiographic Province.Local Structures N70 < Normal faulting.Host-FM. Name U1 < Vinini Formation > Member U2 < _____ >Host Rock K1 < Ordovician > Fine grained, medium gray, silicified, argillite.

(Age)

(Rock type, texture, composition, color,

alteration, attitude, geometry, structure, etc.)Host-Rock Environment U3 < Deep water marine. >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on

Associated Rocks U4 < Area appears to have once been covered by Tertiary tuffaceous
sediments of the Carlin Formation which crop out near by.Ore Minerals C30 < No uranium minerals observed. Malachite.

Gangue Minerals K4 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 4

Alteration N75 < Limonitic and hematitic coatings in fractures.

Reductants U5 < Sulfides most likely present below oxidized zone.

Analytical Data (General) C43 < PRR#3471 -.05%eU, .06% U308 (Garside, 1973), MEQ-072 92 ppm U308.

Radiometric Data (General) U6 < 2 to 3 times BG in small pit about 6m x 6m.
(No. times background and dimensions)

Ore Controls K5 < Fractures.

Deposit Class C40 < Magmatic-hydrothermal > Class No. U7 < 3,3,0 >

Comments on Geology N85 < _____

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 4

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MEQ-072	Argillite of Ordovician Vinini Formation	92 ppm U308

Geologic Sketch Map and/or Section, with Sample Locations:

References:

- F1 < Emmett, L. F., 1952, Copper King mine: U.S. Atomic Energy Commission, Preliminary Reconnaissance Report D-475, Open-File Report, 1 p. >
- F2 < Garside, L. J., 1973, Radioactive mineral occurrence in Nevada: Nevada Bureau of Mines and Geology Bulletin 81, 121 p. >
- F3 < Larson, L. T., Beal, L. H., Friby, J. R., Hibbard, M. J., Slemmons, D. B., and Larson, E. R., 1977, Great Basin geologic framework and uranium favorability: > *
- F4 < Computerized Resources Information Bank (CRIB): U.S. Geological Survey. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 4 _____

Continuation from p. 1-5:

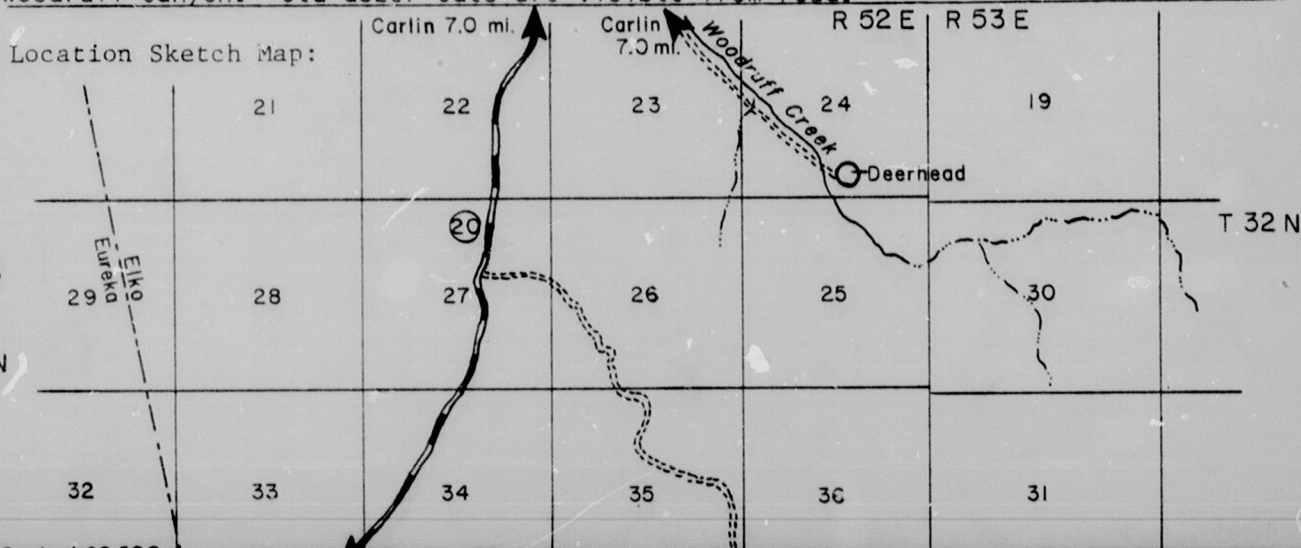
Label

F3 < U.S. Energy Research and Development Administration, GJBX-36(78), Open-
File Report, 39 p.>

URANIUM-OCCURRENCE

Quad Name A90 < WINNEMUCCA >

REPORT

Quad Scale A100 < 1, 2, 5, 0, 0, 0, 0 >Deposit No. B40 < 7 >Deposit Name A10 < Deerhead >Synonym Name(s) A11 < Dear.Horn, Dama >District or Area A30 < Woodruff Creek >Country A40 < U, S > U, S State NevadaState Code A50 < 3, 2 > 3, 2 County A60 < Elko >
(Enter code twice from List D)Position from Prominent Locality A82 < Go south on Nevada 20 from Carlin for 2.5 miles and turn left, travel 6 miles up Woodruff Canyon and the uranium occurrence is on the hill on the left (north) side of the road. >Field Checked G1 < 8, 0 | 0, 7 > By G2 < Berridge | William | C. >
Yr Mo Last name First InitialLatitude A70 < 4, 0 | 3, 7 | 2, 4, N > Longitude A80 < 1, 1, 6 | 0, 4 | 2, 2, W >
Deg Min Sec Deg Min SecTownship A77 < 0, 3, 2 | N > Range A78 < 0, 5, 2 | E > Section A79 < 2, 4 >
N/S E/W FT/MMeridian A81 < Mt. Diablo B & M > Altitude A107 < 6040 FT >Quad Scale A91 < 0, 0, 6, 2, 5, 0, 0 > Quad Name A92 < Carlin >
(7½' or 15' quad)Physiographic Province A63 < 1, 2 | Basin and Range >
(List K)Location Comments A83 < Deposit located on top of small spur 3 miles from mouth of Woodruff Canyon. Old dozer cuts are visible from road. >

URANIUM-OCCURRENCE

Quad Name WINNUMUCCA

REPORT

Deposit No. 7

Commodities Present:

C10 U _____ >

Commodities Produced:

MAJOR _____ > COPROD _____ >MINOR _____ > BYPROD _____ >

Potential Commodities:

POTEN U _____ > OCCUR _____ >

Commodity Comments C50 < _____ >

Status of Exploration and Development A20 < 1 >

(1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer)

Comments on Exploration and Development L110 < Limited dozer work and perhaps minortunneling. It is difficult to impossible to tell what was done because of the > *Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)Workings are M120 (Surface) M130 (Underground) M140 (Both)Description of Workings M220 < Dozer cut up to 100 ft long across top of spur over an
area approximately 200 ft x 100 ft. >Cumulative Uranium Production PROD YES NO SML MED LGE (circle)

DH2 accuracy thousands of lb. years grade

G7 U _____ > G7A NONE _____ > G7B LB > G7C _____ > G7D _____ > % U308 >Source of Information D9 < On site observation. >

Production Comments D10 < _____ >

Reserves and Potential Resources

EH accuracy thousands of lb. year of est. grade

E1 U _____ > E1A NONE _____ > E1B LB > E1C _____ > E1D _____ > % U308 >Source of Information E7 < On site observation. >

Comments E8 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMICCA

REPORT

Deposit No. 7Deposit Form/Shape M10 < Circular area of anomalous radioactivity. >Length M40 < 50 > M41 < FT > Size M15 (circle letter):Width M50 < 50 > M51 < FT > 1b U308Thickness M60 < 7 > M61 < > A 0 - 20,000
B 20,000 - 200,000
C 200,000 - 2 million
D 2 million - 20 million
E More than 20 millionStrike M70 < >Dip M80 < >Tectonic Setting N15 < Mobile Belt >Major Regional Structures N5 < Located just below the Roberts Thrust in the north central Basin and Range. >Local Structures N70 < Located in the Woodruff window. >Host-FM. Name U1 < Woodruff Formation > Member U2 < >Host Rock K1 < Devonian, | | | Shale, light tan to medium gray, minor iron
(Age) (Rock type, texture, composition, color,staining with local manganese; brecciated and silicified.
alteration, attitude, geometry, structure, etc.) >Host-Rock Environment U3 < Deep water marine. >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on

Associated Rocks U4 < Shales interbedded with dolomites and limestones elsewhere in the window. >Ore Minerals C30 < Yellow to yellow-green secondary uranium mineral, identified with x-ray as carnotite, occurs as fracture fillings. >Gangue Minerals K4 < Iron oxides. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 7

Alteration N75 < Slight to moderate limonitic iron staining. Possibly some manganese. Silicification. >

Reductants U5 < Possibly carbonaceous material in the shale. Shales are quite black on fresh exposures. >

Analytical Data (General) C43 < _____ >

Radiometric Data (General) U6 < 10 times BG (10 x 10 ft) 3 times BG (50 ft x 50 ft) >
(No. times background and dimensions)

Background 140 to 180 cps. >

Ore Controls K5 < Appears to be confined to highly fractured shale. >

Deposit Class C40 < Marine black shale > Class No. U7 < 1,3,0 >

Comments on Geology N85 < Tertiary tuffaceous sediments, airfall tuffs and rhyolite are all within 5 miles of this occurrence and may once have covered the area. Two small silicic dikes of Tertiary age are located approximately 1 mile SE of the occurrence. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 7

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MEQ-002	Brecciated shale of Devonian Woodruff Formation	608 ppm U308
MEQ-163	Silicified, brecciated black shales	210 ppm U308

Geologic Sketch Map and/or Section, with Sample Locations:

References:

- F1 < Garside, L. J., 1973, Radioactive mineral occurrences in Nevada: Nevada Bureau of Mines and Geology Bulletin 81, 121 p. >
- F2 < Larson, L. T., Beal, L. H., Friby, J. R., Hibbard, M. J., Slemmons, D. B., and Larson, E. R., 1977, Great Basin geologic framework and uranium favorability: > *
- F3 < Computerized Resources Information Bank (CRIB): U.S. Geological Survey. >
- F4 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 7

Continuation from p. 1-5:

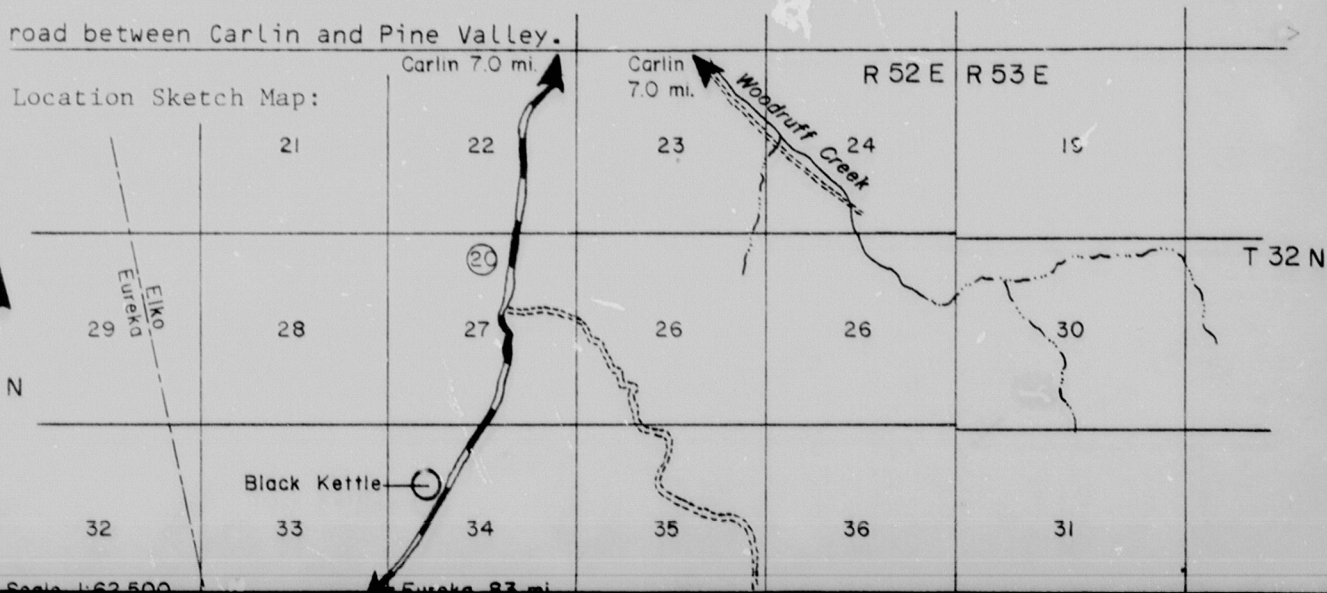
Label

L110 < heavy soil cover and the way the dozer cuts have sluffed in. >

F2 < U.S. Energy Research and Development Administration, GJBX-36(78), Open-
File Report 39 p. >

URANIUM-OCCURRENCE

REPORT

Quad Name A90 < WINNEMUCCA >Quad Scale A100 < 1, 2, 5, 0, 0, 0, 0 >Deposit No. B40 < 8 >Deposit Name A10 < Black Kettle >Synonym Name(s) All < Banchrof >District or Area A30 < Cole Creek Canyon >Country A40 < U, S > U, S State NevadaState Code A50 < 3, 2 > 3, 2 County A60 < Elko >
(Enter code twice from List D)Position from Prominent Locality A82 < Go south from Carlin on Nevada 20 for 2.5 miles and turn left, at 6.5 miles stop and uranium occurrence is on right (west) side of road. >Field Checked G1 < 8, 0 | 0, 8 > By G2 < Berridge , Nancy J. >
Yr Mo Last name First InitialLatitude A70 < 4, 0 | 3, 7 | 0, 4, N > Longitude A80 < 1, 1, 6 | 0, 7 | 0, 5, W >
Deg Min Sec Deg Min SecTownship A77 < 0, 3, 2 | N > Range A78 < 0, 5, 2 | E > Section A79 < 3, 4 >
N/S E/W FT/MMeridian A81 < Mt. Diablo B & M > Altitude A107 < 5400 FT >Quad Scale A91 < 0, 0, 6, 2, 5, 0, 0 > Quad Name A92 < Carlin >
(7½' or 15' quad)Physiographic Province A63 < 1, 2 | Basin and Range >
(List K)Location Comments A83 < Deposit located near bottom of Cole Creek Canyon along old road between Carlin and Pine Valley. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 8

Commodities Present:

C10 U V _____

Commodities Produced:

MAJOR _____ COPROD _____

MINOR _____ BYPROD _____

Potential Commodities:

POTEN U _____ OCCUR _____

Commodity Comments C50 < _____ >

Status of Exploration and Development A20 < 3 >

(1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer)

Comments on Exploration and Development L110 < Exploration was for vanadiferous black shale as evidenced by dozerwork and drill cuttings. >

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220 < Area of occurrence has been extensively terraced by dozers. Drilling has been completed on may of the upper terraces. The explored > *

Cumulative Uranium Production PROD YES NO SML MED LGE (circle)
 DH2 accuracy thousands of lb. years grade
 G7 U _____ G7A NONE _____ G7B < LB > G7C _____ > G7D _____ % U308 >

Source of Information D9 < On site observation. >

Production Comments D10 < _____ >

Reserves and Potential Resources

EH accuracy thousands of lb. year of est. grade
 E1 U _____ E1A NONE _____ E1B < LB > E1C _____ E1D _____ % U308 >

Source of Information E7 < On site observation. >

Comments E8 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 8Deposit Form/Shape M10 < Stratiform. >Length M40 < 3700 > M41 < FT >

Size M15 (circle letter):

Width M50 < 500 > M51 < FT >1b U308Thickness M60 < 20 > M61 < FT >

A 0 - 20,000

Strike M70 < Variable >

B 20,000 - 200,000

Dip M80 < Variable >

C 200,000 - 2 million

D 2 million - 20 million

E More than 20 million

Tectonic Setting N15 < Mobile Belt >Major Regional Structures N5 < Located near Roberts Trust in the north central Basin and Range Physiographic Province. >Local Structures N70 < Appears to be part of the faulted west end of the Woodruff window. >Host-FM. Name U1 < Woodruff > Member U2 < >Host Rock K1 < Devonian, V Shale, tan to black with minor beds of chert and >
(Age) (Rock type, texture, composition, color,claystone. Some quartzite. Anomalous areas mainly in the black shale which occurs alteration, attitude, geometry, structure, etc.)as lenses in the tan shale. Tan shale has some purple coloration and may be the oxidized(?) portion of the black shale. >Host-Rock Environment U3 < Marine depositional environment. >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on

Associated Rocks U4 < The Woodruff Formation is in faulted contact with the Diamond Peak quartzite and Chainmen Shale and is overlain by the Carlin Formation, Palisade Canyon Rhyolite and Raine Ranch Formation. >Ore Minerals C30 < No uranium minerals observed. >Gangue Minerals K4 < Calcite. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 8

Alteration N75 < Purple coloration in tan shale. Tan shales have minor hematite staining in places. Some limonite staining is present in the black shales. >

Reductants U5 < Possibly carbonaceous material in black shales. None were observed. >

Analytical Data (General) C43 < _____ >

Radiometric Data (General) U6 < 2 to 3 times BG (100 to 200 cps) over black shale
(No. times background and dimensions) >

lenses for about 3700 ft down Cole Creek Canyon and about 500 ft wide. Shale lenses are discontinuous but form a fairly continuous outcrop. The most radioactive zone > *

Ore Controls K5 < Lithologic - black shale, very fractured. Clay and chert beds show minor amounts of radioactivity up to 300 cps. >

Deposit Class C40 < Marine black shales > Class No. U7 < 1,3,10 >

Comments on Geology N85 < The deposit is overlain by tuffaceous sediments and rhyolites which may have provided uranium through groundwater leaching and subsequent deposition along fractures. The tan and black shales may represent a redox boundary. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 8

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MEQ-006	Devonian Woodruff Fm. - Tan shale	12 ppm U308
MEQ-007	Devonian Woodruff Fm. - Black shale	151 ppm U308
MEQ-008	Devonian Woodruff Fm. - Black shale	40 ppm U308

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1 < Garside, L. J., 1973, Radioactive mineral occurrences in Nevada: Nevada Bureau of Mines and Geology Bulletin 81, 121 p. >

F2 < Larson, L. T., Beal, L. H., Friby, J. R., Hibbard, M. J., Slemmons, D. B., and Larson, E. R., 1977, Great Basin geologic framework and uranium favorability: > *

F3 < Computerized Resources Information Bank (CRIB): U.S. Geological Survey. >

F4 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 8

Continuation from p. 1-5:

LabelM140 < Garside reports a caved 50 ft adit.>M220 < area extends for 1-1/2 miles down Cole Creek and is approxiamtely 1/2 mile wide.>M70 < Both strick and dip are extremely variable as is common with upper plate rocks. The beds strick NW to NE and dip from east to west and vertical.>U6 < (up to 1100 cps) is in the northern most lense and is 45 ft long by 5 ft thick.>F2 < U.S. Energy Research and Development Administration, GJBX-36(78), Open-File Report, 39 p.>

URANIUM-OCCURRENCE

Quad Name A90 < WINNEMUCCA >

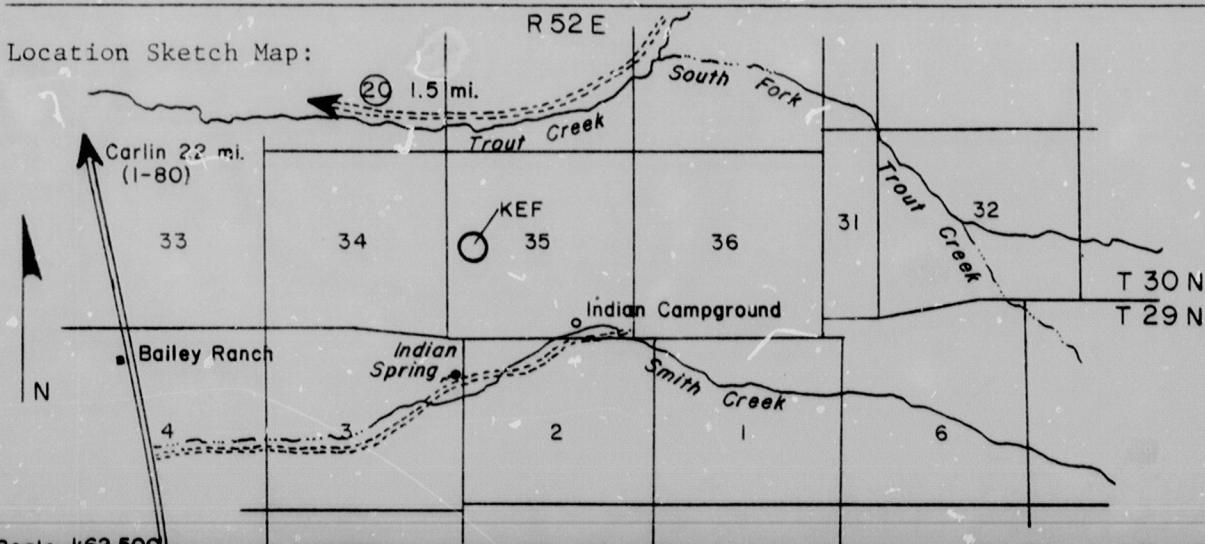
REPORT

Quad Scale A100 < 1, 2, 5, 0, 0, 0, 0 >Deposit No. B40 < 9 >Deposit Name A10 < KEF #2 Claim >

Synonym Name(s) A11 < _____ >

District or Area A30 < Pinon Range - Pine Valley >Country A40 < U, S > U, S State NevadaState Code A50 < 3, 2 > 3, 2 County A60 < Elko >
(Enter code twice from List D)Position from Prominent Locality A82 < Go south on Nevada 20 from Carlin for 23.5 miles
and turn left (east, at 1.5 miles (Indian Spring) park and walk north for
approximately 1 mile. >Field Checked G1 < 7, 8 | 0, 7 > By G2 < Cupp, _____ , Gary _____ M. _____ >
Yr Mo Last name First InitialLatitude A70 < 4, 0 | 2, 6 | 1, 8 | N > Longitude A80 < 1, 1, 6 | 0, 5 | 0, 4 | W >
Deg Min Sec Deg Min SecTownship A77 < 0, 3, 0 | N > Range A78 < 0, 5, 2 | E > Section A79 < 3, 5 >
N/S E/W FT/MMeridian A81 < Mt. Diablo B&M > Altitude A107 < 5450 FT >Quad Scale A91 < 0, 0, 6, 2, 5, 0, 0 > Quad Name A92 < Pine Valley >
(7½' or 15' quad)Physiographic Province A63 < 1, 1, 2 | Basin and Range >
(List K)Location Comments A83 < Located 2 miles N72°E of Bailey Ranch. >

Location Sketch Map:



URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 9

Commodities Present:

C10 < _____ >

Commodities Produced:

MAJOR < _____ > COPROD < _____ >

MINOR < _____ > BYPROD < _____ >

Potential Commodities:

POTEN < _____ > OCCUR < _____ >

Commodity Comments C50 < _____ >

Status of Exploration and Development A20 < 1 >

(1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer)

Comments on Exploration and Development L110 < Located on basis of radiometrics -

nothing else done. Never developed. >

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220 < Caved location pit. >

Cumulative Uranium Production PROD YES NO SML MED LGE (circle)

DH2 accuracy thousands of lb. years grade

G7 < U _____ > G7A < NONE _____ > G7B < LB > G7C < _____ > G7D < _____ > % U308 >

Source of Information D9 < On site observation. >

Production Comments D10 < _____ >

Reserves and Potential Resources

EH accuracy thousands of lb. year of est. grade

E1 < U _____ > E1A < NONE _____ > E1B < LB > E1C < _____ > E1D < _____ > % U308 >

Source of Information E7 < On site observation. >

Comments E8 < No uranium ore. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 9

Deposit Form/Shape M10 < _____ >

Length M40 < _____ > M41 < _____ >

FT/M

Size M15 (circle letter):

Width M50 < _____ > M51 < _____ >

1b U308

Thickness M60 < _____ > M61 < _____ >

 A 0 - 20,000

B 20,000 - 200,000

Strike M70 < _____ >

C 200,000 - 2 million

Dip M80 < _____ >

D 2 million - 20 million

E More than 20 million

Tectonic Setting N15 < _____ >

Major Regional Structures N5 < _____ >

Local Structures N70 < _____ >

Host-FM. Name U1 < _____ > Member U2 < _____ >

Host Rock K1 < Terrestrial, 1b White-light tan siltstone. >

(Age)

(Rock type, texture, composition, color,

alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3 < Lakebed sedimentary environment. >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on

Associated Rocks U4 < _____ >

Ore Minerals C30 < None >Gangue Minerals K4 < None. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 9

Alteration N75 < _____

_____ >

Reductants U5 < _____

_____ >

Analytical Data (General) C43 < _____

_____ >

Radiometric Data (General) U6 < 2 times BG
(No. times background and dimensions)

_____ >

Ore Controls K5 < _____

_____ >

Deposit Class C40 < _____ > Class No. U7 1111

Comments on Geology N85 < Radiometric anomaly probably due to exposed lake sediments
in heavy alluvial cover.

_____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 9

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MEQ-057	Tertiary Lake Sediments	10 ppm U308

Geologic Sketch Map and/or Section, with Sample Locations:

References:

- F1 < Davis, D. L., and Keys, W. S., 1955, KEF #2: U.S. Atomic Energy Commission, Preliminary Reconnaissance Report R-19, Open-File Report, 1 p. >
- F2 < Garside, L. J., 1973, Radioactive mineral occurrences in Nevada: Nevada Bureau of Mines and Geology Bulletin 81, 121 p. >
- F3 < Larson, L. T., Beale, L. H., Friby, J. R., Hibbard, M. J., Slemmons, D. B., and Larson, E. R., 1977, Great Basin geologic framework and uranium favorability: >*
- F4 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 9

Continuation from p. 1-5:

Label

F3 < U.S. Energy Research and Development Administration, GJBX-36(78), Open-
File Report, 39 p.>

URANIUM-OCCURRENCE

Quad Name A90 < WINNEMUCCA >

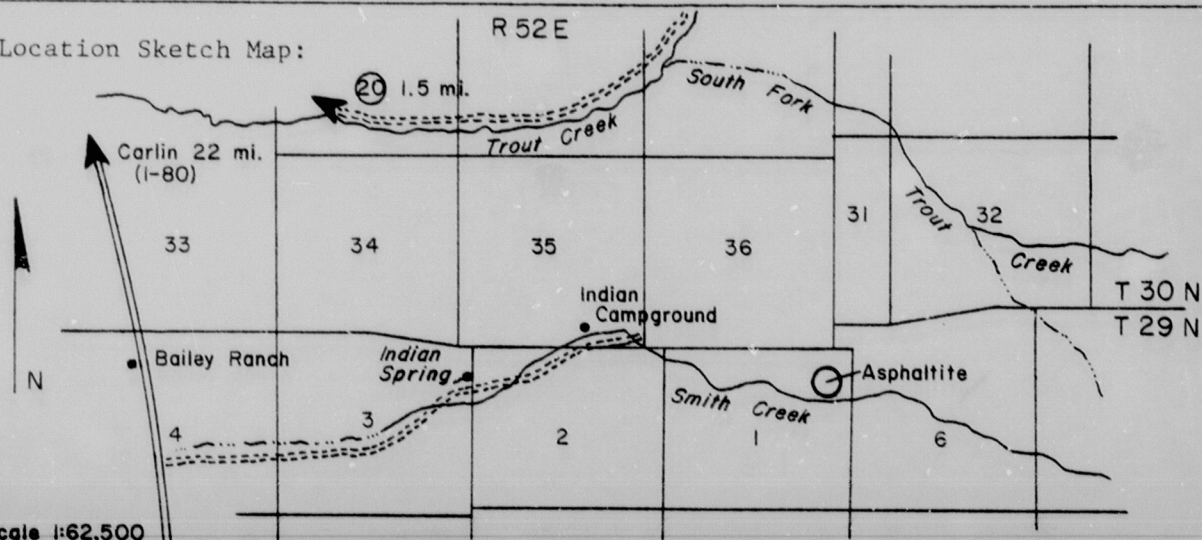
REPORT

Quad Scale A100 < 1, 2, 5, 0, 0, 0, 0 >Deposit No. B40 < 10 >Deposit Name A10 < Asphaltite >

Synonym Name(s) All < _____ >

District or Area A30 < Smith Creek in the Piñon Range >Country A40 < U, S | U, S > State NevadaState Code A50 < 3, 2 | 3, 2 > County A60 < Elko >
(Enter code twice from List D)Position from Prominent Locality A82 < Go south on Nevada 20 from Carlin for 23.5 miles, turn left and go 4 miles up Woodruff Canyon. Uranium occurrence is on left (north) side of Smith Creek. >Field Checked G1 < 7, 8 | 0, 7 > By G2 < Cupp , Gary M. >
Yr Mo Last name First InitialLatitude A70 < 4, 0 | 2, 5 | 4, 0, N > Longitude A80 < 1, 1, 6 | 0, 2 | 4, 5, 7, W >
Deg Min Sec Deg Min SecTownship A77 < 0, 2, 9 | N > Range A78 < 0, 5, 2 | E > Section A79 < 0, 1 >
N/S E/W FT/MMeridian A81 < Mt. Diablo B & M > Altitude A107 < 6050 FT >Quad Scale A91 < 0, 0, 6, 2, 5, 0, 0 > Quad Name A92 < Pine Valley >
(7½' or 15' quad)Physiographic Province A63 < 1, 2 | Basin and Range >
(List K)Location Comments A83 < Located at the mouth of the small canyon on the north side of Smith Creek. >

Location Sketch Map:



URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 10

Commodities Present:

C10 <B I T V U _____>

Commodities Produced:

MAJOR <B I T _____> COPROD <_____>

MINOR <_____> BYPROD <_____>

Potential Commodities:

POTEN <B I T _____> OCCUR <_____>

Commodity Comments C50 <_____>

Status of Exploration and Development A20 <2>

(1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer)

Comments on Exploration and Development L110 <_____>

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220 <Shallow shaft, several short adits and pits, all of which are now caved in.>

Cumulative Uranium Production PROD YES NO SML MED LGE (circle)

DH2 accuracy thousands of lb. years grade
G7 <U _____> G7A <N O N E _____> G7B <LB> G7C <_____> G7D <_____> % U308 <_____>

Source of Information D9 <On site observation.>

Production Comments D10 <_____>

Reserves and Potential Resources

EH accuracy thousands of lb. year of est. grade
E1 <U _____> E1A <N O N E _____> E1B <LB> E1C <_____> E1D <_____> % U308 <_____>

Source of Information E7 <On site observation.>

Comments E8 <_____>

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 10Deposit Form/Shape M10 < Vein, lenses and stringers. >

FT/M

Length M40 < _____ > M41 < _____ >

Size M15 (circle letter):

Width M50 < 1 > M51 < M >1b U308

Thickness M60 < _____ > M61 < _____ >

A 0 - 20,000

B 20,000 - 200,000

Strike M70 < N60°E >

C 200,000 - 2 million

D 2 million - 20 million

Dip M80 < Vertical >

E More than 20 million

Tectonic Setting N15 < Mobile Belt >Major Regional Structures N5 < Basin and Range faulting. >Local Structures N70 < Abundant fractures. >

Host-FM. Name U1 < _____ > Member U2 < _____ >

Host Rock K1 < Pliocene to Pleistocene > Shales and sandstone strike N40W dip 73° SW.
(Age) (Rock type, texture, composition, color,

alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3 < Sedimentary depositional environment. >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on

Associated Rocks U4 < Asphalt impregnated sandstones and oil(?) shale. >Ore Minerals C30 < impsonite? >

Gangue Minerals K4 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 10

Alteration N75 < _____

_____ >

Reductants U5 < Asphalt

_____ >

Analytical Data (General) C43 < Ash analyses .097% U308 (Garside, 1973).

_____ >

Radiometric Data (General) U6 < 2 times BG.
(No. times background and dimensions)

_____ >

Ore Controls K5 < Fractures.

_____ >

Deposit Class C40 < _____ > Class No. U7 < 1111 >

Comments on Geology N85 < Asphaltite veins appear to be very limited in extent (<50 ft long).

_____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 10

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MEQ-058	Asphaltite	<1 ppm U308

Geologic Sketch Map and/or Section, with Sample Locations:

References:

- F1 < Garside, L. J., 1973, Radioactive mineral occurrences in Nevada: Nevada Bureau of Mines and Geology Bulletin 81, 121 p. >
- F2 < Larson, L. T., Beal, L. H., Friby, J. R., Hibbard, M. J., Slemmons, D. B., and Larson, E. R., 1977, Great Basin geologic framework and uranium favorability: >*
- F3 < Computerized Resources Information Bank (CRIB): U.S. Geological Survey. >
- F4 < _____ >
- _____ >

URANIUM-OCCURRENCE

Quad Name

WINNEMUCCA

REPORT

Deposit No.

10

Continuation from p. 1-5:

Label

F2 < U.S. Energy Research and Development Administration, GJBX-36(78), Open-
File Report, 39 p.>

URANIUM-OCCURRENCE

Quad Name A90 < WINNEMUCCA >

REPORT

Quad Scale A100 < 1, 2, 5, 0, 0, 0, 0 >Deposit No. B40 < 12 >Deposit Name A10 < C. L. Point >

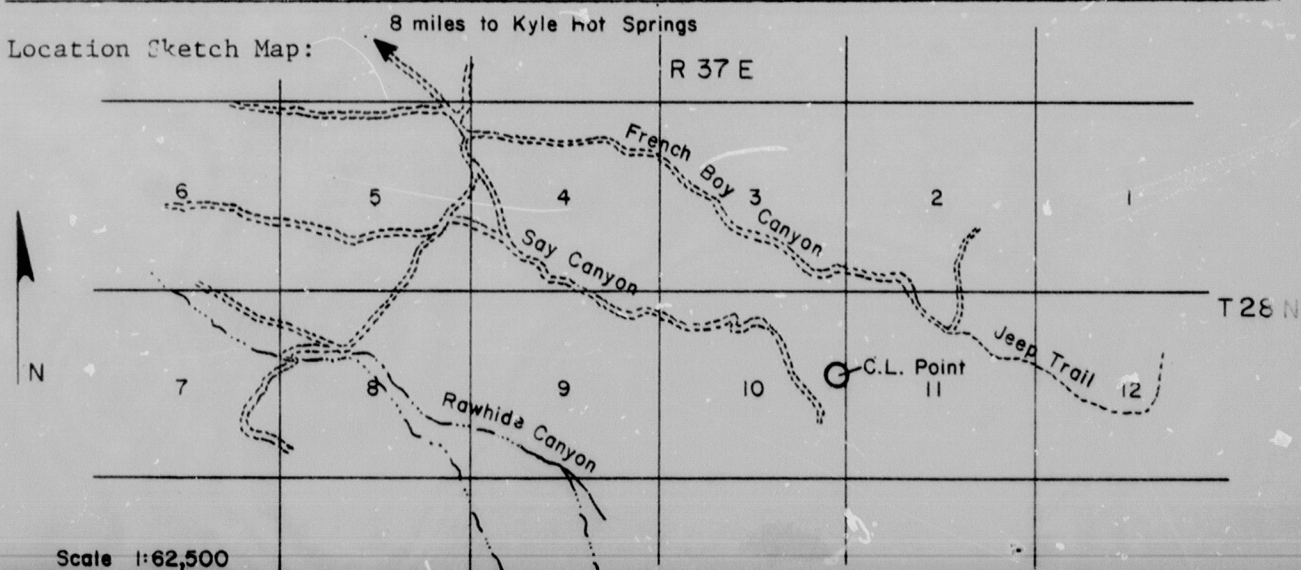
Synonym Name(s) All < _____ >

District or Area A30 < Say Canyon >Country A40 < U, S U, S > State NevadaState Code A50 < 3, 2 3, 2 > County A60 < Pershing >

(Enter code twice from List D)

Position from Prominent Locality A82 < Go west from Kyle Hot Springs for 1.2 miles and turn left; at 1 mile take left fork; at 5 miles turn right and keep to the left for 3 miles. >Field Checked G1 < 8 10 4 > By G2 < Wolverson Nancy J. >
Yr Mo Last name First InitialLatitude A70 < 4, 0 1, 8 3, 2, N > Longitude A80 < 1, 1, 7 4, 8 10, 2, W >
Deg Min Sec Deg Min SecTownship A77 < 0, 2, 8 W > Range A78 < 0, 3, 7 E > Section A79 < 1, 0 >
N/S E/W FT/MMeridian A81 < Mt. Diablo 3 & M > Altitude A107 < 6100 FT >Quad Scale A91 < 0, 0, 6, 2, 5, 0, 0 > Quad Name A92 < Kyle Hot Springs >
(7½' or 15' quad)Physiographic Province A63 < 1, 2 Basin and Range >
(List K)Location Comments A83 < 320 m northeast of road in Say Canyon >

Location Sketch Map:



URANIUM-OCCURRENCE

Quad Name WINNEMICCA

REPORT

Deposit No. 12

Commodities Present:

C10 C U

Commodities Produced:

MAJOR COPROD

MINOR BYPROD

Potential Commodities:

POTEN OCCUR C U

Commodity Comments C50 Poor Cu showing in minor quartz vein, 500 m west of prospect.

Status of Exploration and Development A20 1

(1 = occurrence, 2 = raw prospect, 3 = developed prospect, 4 = producer)

Comments on Exploration and Development L110 Very limited hand dug pits scattered throughout area and a small caved adit.

Property is A21 (Active) A22 (Inactive) (Circle appropriate labels)

Workings are M120 (Surface) M130 (Underground) M140 (Both)

Description of Workings M220 Small pits.

Cumulative Uranium Production PROD YES NO SML MED LGE (circle)

DH2 accuracy thousands of lb. years grade
G7 U G7A N O N E G7B LB G7C G7D % U308

Source of Information D9 On site observation.

Production Comments D10

Reserves and Potential Resources

EH accuracy thousands of lb. year of est. grade
E1 U E1A N Q N E E1B LB E1C E1D % U308

Source of Information E7 On site observation.

Comments E8

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 12Deposit Form/Shape M10 < _____ >
FT/M

Length M40 < _____ > M41 < _____ >

Size M15 (circle letter):

Width M50 < _____ > M51 < _____ >

1b U308

Thickness M60 < _____ > M61 < _____ >

A 0 - 20,000

B 20,000 - 200,000

Strike M70 < _____ >

C 200,000 - 2 million

Dip M80 < _____ >

D 2 million - 20 million

E More than 20 million

Tectonic Setting N15 < Mobile Belt >Major Regional Structures N5 < North central portion of the Basin and RangePhysiographic Province.Local Structures N70 < Dikes of Tertiary granodiorite in PRh.

Host-FM. Name U1 < _____ > Member U2 < _____ >

Host Rock K1 < TERTIARY granodiorite.
(Age) (Rock type, texture, composition, color,alteration, attitude, geometry, structure, etc.)Host-Rock Environment U3 < Plutonic. >
(Sed. dep. environ., metamorphic facies, ign. environ.)Comments on
Associated Rocks U4 < _____ >

Ore Minerals C30 < _____ >

Gangue Minerals K4 < _____ >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 12

Alteration N75 < _____ >

Reductants U5 < _____ >

Analytical Data (General) C43 < Only one rock sample was taken and it had 2 ppm U308 which is less than the world wide average (Taylor, 1964) for granitic rocks. >

Radiometric Data (General) U6 < 1 times B.G.
(No. times background and dimensions) >

Ore Controls K5 < _____ >

Deposit Class C40 < _____ > Class No. U7 < 111 >

Comments on Geology N85 < No anomalous radioactivity could be found. The PRR was accurate, in that the prospect was established on the basis of Tertiary granodiorite dikes in Paleozoic metasedimentary rocks. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 12

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MEQ-028	Tertiary granodiorite.	2 ppm U308

Geologic Sketch Map and/or Section, with Sample Locations:

References:

F1 < Garside, L. J., 1973, Radioactive mineral occurrences in Nevada: Nevada Bureau of Mines and Geology, Bulletin 81, 121 p. >

F2 < Larson, L. T., Beal, L. H., Friby, J. R., Hibbard, M. J., Slemmons, D. B., and Larson, E. R., 1977, Great Basin geologic framework and uranium favorability: *

F3 < Computerized Resources Information Bank (CRIB): U.S. Geological Survey.

F4 < _____

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 12

Continuation from p. 1-5:

Label

F2 < U.S. Energy Research and Development Administration, GJBX-36(78), Open-
File Report, 39 p.>

URANIUM-OCCURRENCE

Quad Name A90 < WINNEMUCCA >

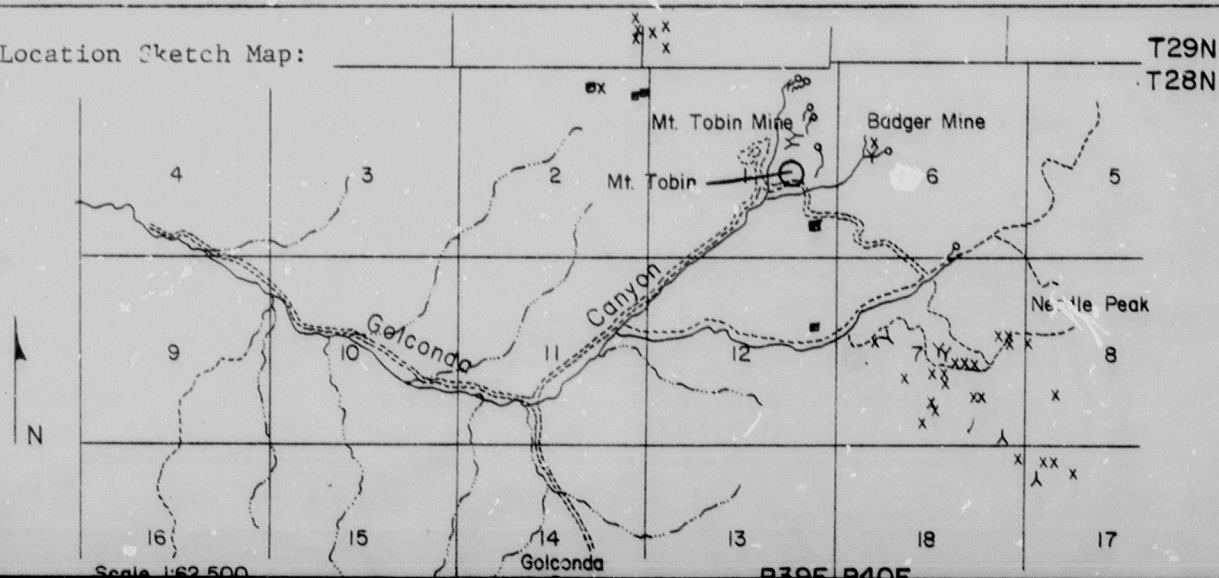
REPORT

Quad Scale A100 < 1, 2, 5, 0, 0, 0, 0 >Deposit No. B40 < 13 >Deposit Name A10 < Mount Tobin >

Synonym Name(s) All < _____ >

District or Area A30 < Tobin Range >Country A40 < U, S > U, S State NevadaState Code A50 < 3, 2 > 3, 2 County A60 < Pershing >
(Enter code twice from List D)Position from Prominent Locality A82 < Go south from Battle Mtn. on Nevada 8A for 11.6 miles, take a right and in 2.4 miles take the left fork; at 8 miles take right fork and at 8.7 miles turn right; at approximately 8.5 miles turn right up Golconda * >Field Checked G1 < 8, 0 | 0, 7 > By G2 < Berridge , Nancy J. >
Yr Mo Last name First InitialLatitude A70 < 4, 1 | 0, 1 | 3, 9 | N > Longitude A80 < 1, 1, 7 | 3, 9 | 2, 9 | W >
Deg Min Sec Deg Min SecTownship A77 < 0, 2, 8 | N > Range A78 < 0, 3, 9 | E > Section A79 < 0, 1 >
N/S E/W FT/MMeridian A81 < Mt. Diablo B & M > Altitude A107 < 6400 FT >Quad Scale A91 < 0, 0, 6, 2, 5, 0, 0 > Quad Name A92 < Mt. Tobin >
(7½' or 15' quad)Physiographic Province A63 < 1, 2 | Basin and Range >
(List K)Location Comments A83 < Located at the entrance to the mine adit. There are several new roads in the area. >

Location Sketch Map:



URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 13Deposit Form/Shape M10 < Stratiform >Length M40 < 3 > M41 < FT > Size M15 (circle letter):Width M50 < _____ > M51 < _____ > 1b U308Thickness M60 < 3 > M61 < FT > A 0 - 20,000
B 20,000 - 200,000
C 200,000 - 2 million
D 2 million - 20 million
E More than 20 millionTectonic Setting N15 < Mobile Belt >Major Regional Structures N5 < North central portion of the Basin and Range
Physiographic Province. >Local Structures N70 < Local fracturing >Host-FM. Name U1 < Havallah > Member U2 < _____ >Host Rock K1 < P, E, N, N, - P, E, R, M, | 1/2 Black to gray, very fine grained, carbonaceous
(Age) (Rock type, texture, composition, color,
siltstone. Thick bedded, highly fractured, with secondary Mg and Fe sulfates.
alteration, attitude, geometry, structure, etc.) >Three feet maximum thickness. >Host-Rock Environment U3 < Marine sedimentary environment. >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on

Associated Rocks U4 < Associated rocks are limestone, shale, claystone, and acidic to
intermediate volcanic rocks. >Ore Minerals O30 < None observed. >Gangue Minerals G < None observed. >

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 13

Alteration N75 < Magnesium and iron sulfates.

Reductants U5 < Organic carbon 0.79%.

Analytical Data (General) C43 < _____

Radiometric Data (General) U6 < 5 to 6 times BG in a small area approximately
(No. times background and dimensions)

3 FT by 3 FT.

Ore Controls K5 < Carbonaceous black shales.

Deposit Class C40 < Marine black shales > Class No. U7 <1310>

Comments on Geology N85 < _____

URANIUM-OCCURRENCE

Quad Name WINNEMUCCA

REPORT

Deposit No. 13

Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MEQ-164	Black to gray, very fine-grained, carbonaceous shales.	70 ppm

Geologic Sketch Map and/or Section, with Sample Locations:

References:

- F1 < _____ >
- F2 < _____ >
- F3 < _____ >
- F4 < _____ >