

## URANIUM-OCCURRENCE

## REPORT

Quad Name A90 < Wells Item 18 >

Quad Scale A100 &lt; 1, 2, 5, 0, 0, 0, 0 &gt;

Deposit No. B40 &lt; 8 &gt;

Deposit Name A10 &lt; Tag, Pam, Pat and Sam Claims &gt;

Synonym Name(s) A11 &lt; DWG (Last Chance) group, Lucky Strike, Anomaly No. 2 &gt;

District or Area A30 &lt; Mountain City &gt;

Country A40 &lt; U, S &gt; U, S State Nevada

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

Position from Prominent Locality A82 &lt; The occurrence is 0.5 miles west of Bieroth Ranch. &gt;

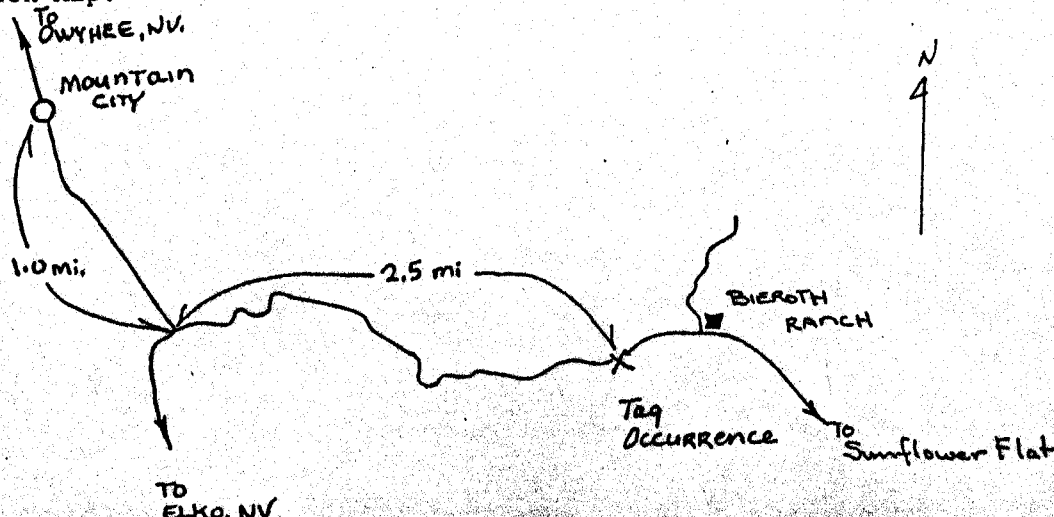
Field Checked G1 < 7, 9 | 0, 7 > By G2 < Profitt, Jerry L. >  
Yr Mo Last name First InitialLatitude A70 < 4, 1 | 4, 9 | 1, 5, N > Longitude A80 < 1, 1, 5 | 5, 5 | 1, 7, W >  
Deg Min Sec Deg Min SecTownship A77 < 0, 4, 5 | N > Range A78 < 0, 5, 4 | E > Section A79 < 0, 5 >  
N/S E/W FT/M

Meridian A81 &lt; Mt. Diablo B &amp; M &gt; Altitude A107 &lt; 6000 FT &gt;

Quad Scale A91 < 0, 0, 6, 2, 5, 0, 0 > Quad Name A92 < Mountain City, Nevada >  
(7½' or 15' quad)Physiographic Province A63 < 1, 2 | Basin and Range >  
(List K)

Location Comments A83 &lt; Turn east 1.0 mile south of the Mountain Standard station onto the graded road for Sunflower Flat and proceed 2.5 miles to the occurrence. &gt;

Location Sketch Map:



Quad	Name	Wells
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
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98	98	98
99	99	99
100	100	100

## REPORT

Deposit No. 8

C10  $\triangleleft U$

MAJOR 4 COPROD 4

MINOR ◁ | | | | | | | | | | ▷ BYPROD ◁ | | | | | | | | | | ▷

POTEN <U> . . . . . OCCUR <I> . . . . .

Commodity Comments C50 < \_\_\_\_\_

Status of Exploration and Development A20 &lt; 2 &gt;

(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< Several dozer cuts on hillside near prospect and one 30° incline which is now caved to the surface.

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

DH2	accuracy	thousands of lb.	years	grade
G7< U				
G7A<				
G7B<B>				
G7C<				
G7D<				
% U308>				

Source of Information D9 &lt;

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 Wells

## REPORT

Deposit No. 8Deposit Form/Shape M10 < Unknown. >

FT/M

Length M40 < Unknown > M41 <      >

Size M15 (circle letter):

Width M50 < Unknown > M51 <      >1b U308Thickness M60 < Unknown > M61 <      >

A 0 - 20,000

B 20,000 - 200,000

Strike M70 < Unknown >

C 200,000 - 2 million

D 2 million - 20 million

Dip M80 < Unknown >

E More than 20 million

Tectonic Setting N15 < Mobile belt. >Major Regional Structures N5 < Northern edge of the Basin and Range province. >

Local Structures N70 < The bentonitic host appears to be in a swale or low on a quartz monzonite surface. Two small faults were observed in the dozer cuts and roadway. >

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

Host Rock K1 < T<sub>1</sub>E<sub>1</sub>R<sub>1</sub>T<sub>1</sub> . . . . . | M Clay, bentonitic, yellow green to gray green, >  
 (Age) (Rock type, texture, composition, color,

occasional quartz grain, very carbonaceous.  
alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3 < Volcanic, ash flow-air fall(?) tuff. >  
 (Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on

Associated Rocks U4 < Minor mineralization was observed in the faulted clays. >Ore Minerals C30 < Autunite is the only uranium mineral reported or observed. >Gangue Minerals K4 <      >

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Alteration N75 < Devitrification of a tuff to bentonite<sup>e</sup>(?); carbon has been altered to soot in part; minor limonitic staining suggests oxidizing of iron-bearing minerals. >

Reductants U5 < Clay and carbonaceous debris. >

Analytical Data (General) C43 < None >

Radiometric Data (General) U6 < 2-1/2 times background (5 x 10 ft.), 5 times background (50 x 50 ft.), 6-1/2 times background (20 x 40 ft.), 15 times background (5 x 10 ft.). >

Ore Controls K5 < Permeability and porosity of the tuff unit allowed mineralized waters to come in contact with the clay and carbon. In part, the quartz monzonite is grussy and also very porous. The swale or low probably channeled water to the host. >

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

Comments on Geology N85 < >

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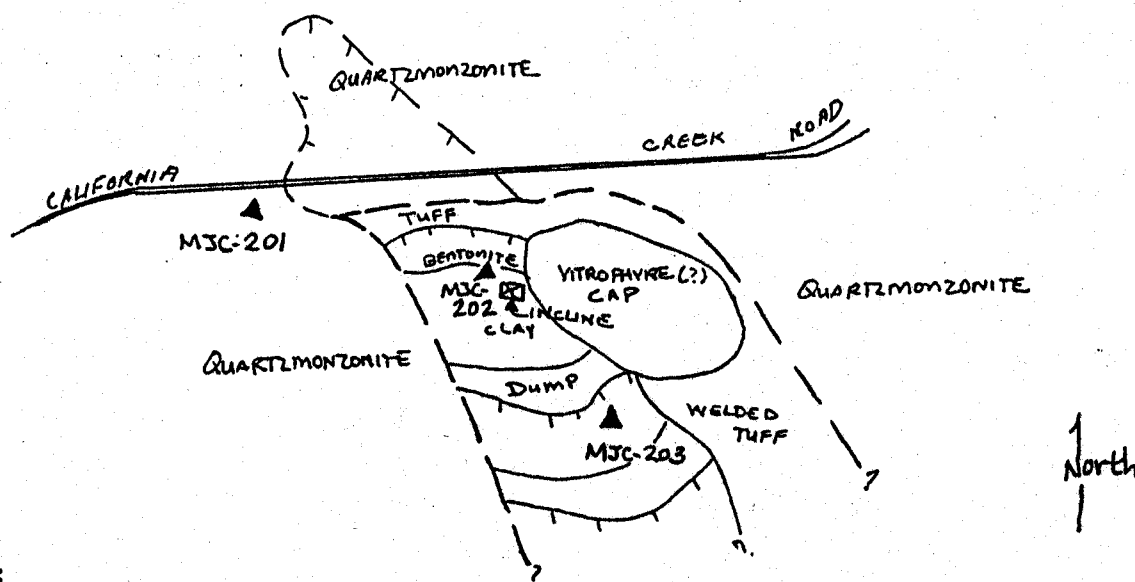
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## Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MJC-201	Quartz monzonite, light gray, porphyritic, biotite rich.	10 ppm
MJC-202	Clay, yellow green, carbonaceous, bentonitic(?)	750 ppm
MJC-203	Grab sample from dump, appears arkosic.	22 ppm

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



## References:

F1 &lt; Garside, L. J., 1973, Radioactive Mineral Occurrences in Nevada, Nevada

Bureau of Mines and Geology, Bulletin 81, 1 pl. &gt;

F2 &lt; U. S. Atomic Energy Commission Preliminary Reconnaissance Report (PRR),

No. SL-133, 1955 (open filed); Sharp, R. J., 10/26/55, Tag Claims. &gt;

F3 &lt;

F4 &lt;