3260 0015

URANIUM-OCCURRENCE REPORT

Quad Name A90< WELLS Item 15>

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

Deposit No. B40< 4 >

Deposit Name A10 < Autunite Group (Nos. 1-16) and October Group (Nos. 1-22) >

Synonym Name(s) A11 < None >

District or Area A30 < Mountain City >

Country A40 <U , S> |U , S|

State Nevada

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

County A60 < Elko >

Position from Prominent Locality A82 < Near top and along south face of the north highpoint of Huber Hills or 1.5 miles N70°E of the community of Mountain City. >

Field Checked G1 <7,9| |0,7> By G2<Witzel, Quade Jack Frank >
Yr Mo Last name First Initial

Latitude A70 <4,1 |5,0 |4,5, N> (Deg Min Sec)

Longitude A80 <1,1,5 |5,5 |2,0, W> (Deg Min Sec)

Township A77 < ,4,6 |N> (N/S)

Range A78 < ,5,3 |E> (E/W)

Section A79 < , > (Unsurveyed)

Meridian A81 < Mt. Diablo >

Altitude A107 < 6700 feet > FT/M

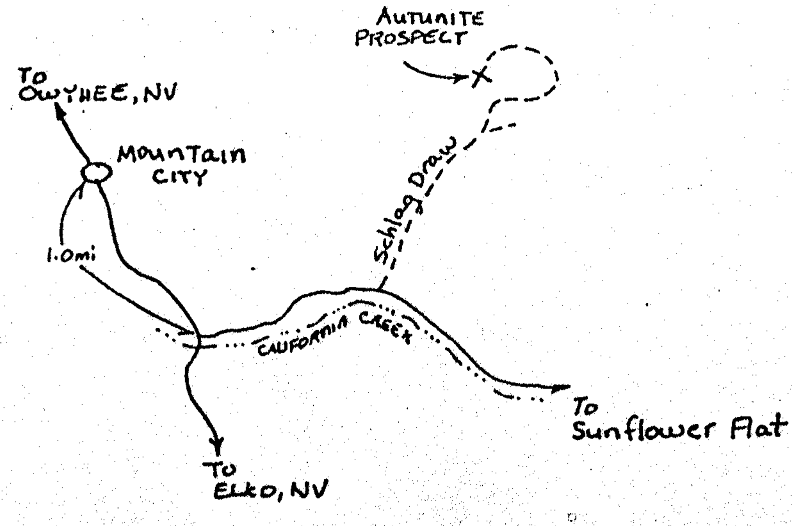
Quad Scale A91 < , ,6,2,5,0,0> (7½' or 15' quad)

Quad Name A92 < Mountain City >

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

Location Comments A83 < Road on west side of Schlag Draw off California Creek Road gives access to this prospect. >

Location Sketch Map:



BFE 1236
4/19/78

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Quad Name WELLS

Deposit No. 4

Commodities Present:
C10 <U Mo>

Commodities Produced:
MAJOR <Mo> 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 <>

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

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

Description of Workings M220< Small dozer cut 30' x 50' and 5' deep - this cut is along trend of shear zone which appears to have been worked for Mo (?). >

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

DH2
G7<U> G7A< > G7B<LB> G7C< > G7D< % U3O8>
(accuracy; thousands of lb.; years; grade)

Source of Information D9 < None >

Production Comments D10 < None >

Reserves and Potential Resources

EH
E1<U> E1A< > E1B<LB> E1C< > E1D< % U3O8>
(accuracy; thousands of lb.; year of est.; grade)

Source of Information E7 < None >

Comments E8 < None >

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Deposit Form/Shape M10 < Lens in shear zone >

FT/M

Length M40 < Unk. > M41< >

Width M50 < Unk. > M51< >

Thickness M60 < Unk. > M61< >

Strike M70 < N14°E >

Dip M80 < Unk. >

Size M15 (circle letter):

lb U308

A 0 - 20,000
B 20,000 - 200,000
C 200,000 - 2 million
D 2 million - 20 million
E More than 20 million

Tectonic Setting N15 < Mobile belt >

Major Regional Structures N5 < Northern edge of Basin and Range >

Local Structures N70 < Quartz monzonite cut by shear zone and by numerous aplite dikes - U enriched shear appears to strike N14°E at an angle to larger shear zone which strikes N12-14°W. >

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

Host Rock K1 < CRET B clay, light gray
(Age) (Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Clay lens appears in a subsidiary silicified shear zone (strike N15°E) associated with the larger shear zone striking N14°W. >

Host-Rock Environment U3 < Shear zone in Mesozoic quartz monzonite >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4 < >

Ore Minerals C30 < Autunite (?) bright green mineral with bladed habit >

Gangue Minerals K4 < Clay minerals >

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Alteration N75 < Heavy hematite staining locally, some bleaching (?) in mineralized zone. >

Reductants U5 < Clay minerals, iron oxides >

Analytical Data (General) C43 < >

Radiometric Data (General) U6 < 3.5 to 10 times background over an area 10 ft. x 30 ft. (background 200 cps) >
(No. times background and dimensions)

Ore Controls K5 < Porous and permeable conduit along shear zone, clay minerals and iron acting as reductants. >

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

Comments on Geology N85 < A large silicified master shear zone was worked for molybdenum by underground methods 300 ft. down the hill from the uranium occurrence. Trenching in the area was an apparent attempt to discern the width and strike of this shear zone. >

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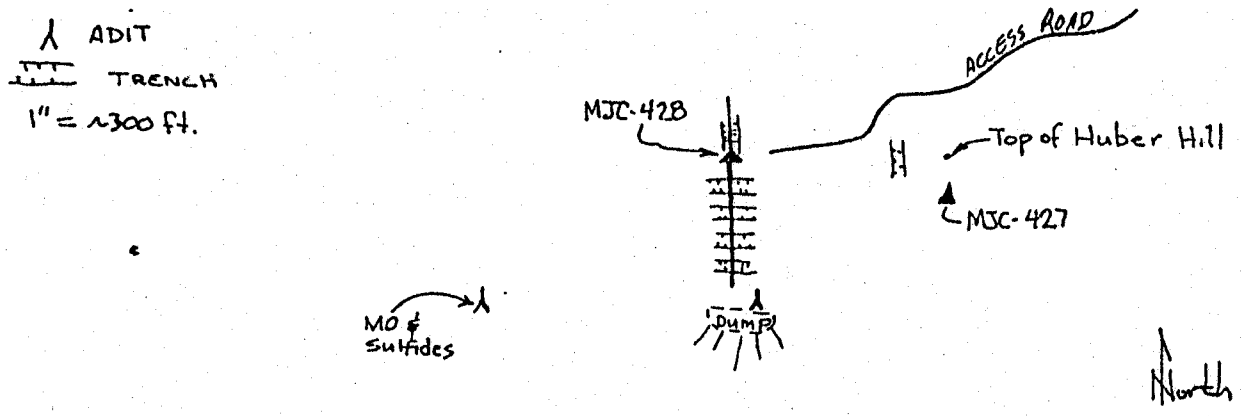
Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MJC427	Fine-grained aplite with sparse pyrite	48 ppm
MJC428	Clay, of deeply weathered shear zone in quartz monzonite	3850 ppm

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, B. 81, 1 pl. >

F2 < Preliminary Reconnaissance Report 3429, Schilling, for U. S. Atomic Energy Commission, 1962; Autunite #1-6 and October #1-22, open filed. >

F3 < >

F4 < >