3260 0025

URANIUM-OCCURRENCE REPORT

Quad Name A90< WELLS Item 25 >

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

Deposit No. B40< 5 >

Deposit Name A10 < Granite Group Nos. 1-18) >

Synonym Name(s) A11 < >

District or Area A30 < Mountain City >

Country A40 <U,S> [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 < N.E. of Mountain City .75 mile on west face of hill above the water tower. >

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

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

Township A77 <|4,6|N> Range A78 <|5,3|> Section A79 <| > (unsurveyed)
N/S E/W FT/M

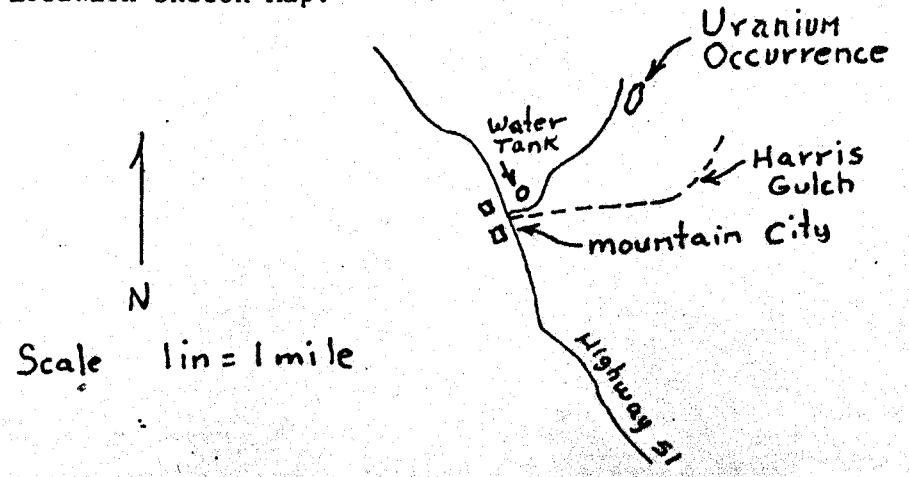
Meridian A81 < Mt. Diablo > Altitude A107 < 6,000 feet >

Quad Scale A91 <|,|6,2,5,0,0> Quad Name A92 < Mountain City >
(7½' or 15' quad)

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

Location Comments A83 < Unmaintained road which passes directly by the wooden water tank above Mountain City offers access to this locality. >

Location Sketch Map:



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Quad Name WELLS

Deposit No. 5

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 < Several shallow dozer cuts near contact of Tertiary volcanics and Mesozoic quartz monzonite. >

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

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

Description of Workings M220< Shallow trenches only. >

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

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

Source of Information D9 < None >

Production Comments D10 < None >

Reserves and Potential Resources

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

Source of Information E7 < None >

Comments E8 < None >

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Quad Name WELLS

Deposit No. 5

Deposit Form/Shape M10 < Unknown. >

Length M40 < Unk. > M41 < > FT/M

Width M50 < Unk. > M51 < >

Thickness M60 < Unk. > M61 < >

Strike M70 < Unk. >

Dip M80 < Unk. >

Size M15 (circle letter):

1b 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 province. >

Local Structures N70 < Quartz monzonite cut by several sucrosic textured aplite dikes >

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

Host Rock K1 < TERT | B | > (Age)

Quartz monzonite overlain by ash flow lapilli tuff containing lithic fragments of Paleozoic phyllites and quartzites. Locally a silicified pumice flow may separate the quartz monzonite from the breccia. Some casts of wood observed in breccia unit. >

(Rock type, texture, composition, color, alteration, attitude, geometry, structure, etc.)

Host-Rock Environment U3 < Igneous pumice flow breccia. >
(Sed. dep. environ., metamorphic facies, ign. environ.)

Comments on Associated Rocks U4 < Quartz monzonite is locally highly weathered, local heavy hematite stain along joints (?) in quartz monzonite, float blocks of aplitic material in vicinity of trenches. >

Ore Minerals C30 < Unk. >

Gangue Minerals K4 < Gangue Unk. >

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Alteration N75 < Quartz monzonite in general is highly weathered, grussy feldspars altered to kaolin and biotites largely intact. Thin vertical bands of altered quartz monzonite with very heavy red hematite staining were not observed. >

Reductants U5 < Possible carbon in the ashflow tuff unit as evidenced by wood casts, possible ground water chemical interface, possible iron as evidenced by hematite staining. >

Analytical Data (General) C43 <

>

Radiometric Data (General) U6 < 6 times background (30 x 50 ft.).
(No. times background and dimensions)

>

Ore Controls K5 < Permeability in the ashflow tuff at the contact with the quartz monzonite. Some enrichment may have occurred along fractured zones in the monzonite. Precipitation may have been induced by clay minerals, carbon or iron in the Tertiary units or at a ground water chemical interface.

>

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

Comments on Geology N85 < Occurrence appears to be localized in depressions in the quartz monzonite which have been filled with ash falls, pumice flows and pumice flow breccias of Tertiary age. Effect of ground water is evident in local silicification of flow units and decomposition with local heavy hematite staining of monzonite. This occurrence appears to be geologically similar to other > *

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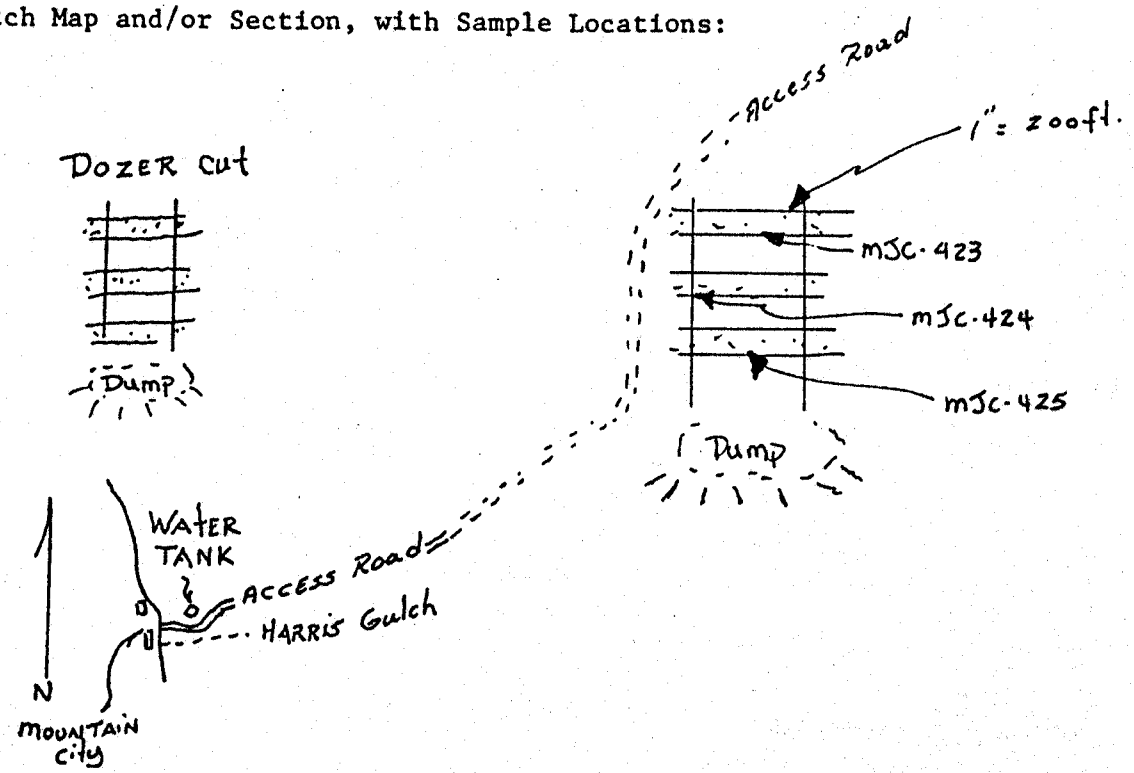
Uranium Analyses:

Sample No.	Sample Description	Uranium Analysis
MJC423	Aplite dike, sucrosic texture	. 48 ppm
MJC424	Ashflow lapilli tuff with incorporated quartz-monzonite and phyllites.	112 ppm
MJC425	Pumice flow, lt. grn.- brown, moderate induration.	75 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 < >

F3 < >

F4 < >

URANIUM-OCCURRENCE REPORT

Quad Name: WELLS

Deposit No. 5

Continuation from p. 1-5:

Label

N85 < occurrences previously visited in the Mountain City area; however the ashflow lapilli tuff was not observed at the other localities. >