0260 0014

REPORT

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|--|-------------------------|--|
| Deposit Name AlO < | Majuba Hill | Mine > |
| Synonym Name(s) All <_ | Majuba Mour | ntain > |
| District or Area A30 <_ | Antelope Ra | ange > |
| Country A40 QU, SP U | S | State Nevada |
| State Code A50 43 2 P (Enter code twice | | County A60 < Pershing > |
| Position from Prominent | Locality A82 | < 2nd level adit is located on the |
| south face of Majuba | Hill. Mine is | s located 14 miles west of Imlay on Sulphur |
| Road then 6 miles sou | thwest up Maj | uba Canyon. > |
| Field Checked Gl < 7.8 Yr | 1 | Smouse , DeForrest > Last name First Initial |
| Latitude A70 440-40 Deg Min | | Deg Min Sec |
| Township A77 < 1 3 2 N | Range A78 | Section A79 Sectio |
| Meridian A81 < Mou | nt Diablo | > Altitude Al07 < 6250 Ft > |
| Quad Scale A91 < 12 or 15' quad) | 4 0 0 0 0 0 | Quad Name A92 < Majuba Mtn. Nev. > |
| Physiographic Province | A63 < 1 2 L (List K) | Basin and Range > |
| Location Comments A83 | < Occurrence | is located 600-800 feet from mouth of second |
| adit level of Majuba | Hill Mine, | > |
| Location Sketch Map: | | EVGENE |
| 1 10 50 | LPHOP. | MTS. |
| | | |
| ABUEAM ATM | Ty /2 | mi. |
| Echy | S | |
| 1 2 3 4 5 | AJUSA CHY. | |
| Miles | MAJUBA | IMLAY |
| | MINE | The Park of the Pa |
| | | T' T' LEIS CLY |

| | V | 000110 | FR 173 1 17 17 |
|------|--------|--------|----------------|
| URAN | I IIM- | OCCUR | RENCE |

| URANIUM-OCCURRENCE | Quad Name Lovelock |
|--|---|
| REPORT | Deposit No. 12 |
| Deposit Form/Shape M10 < Small irreg | ular pods in copper ore |
| FT/M Length M40 <> M41<> | Size M15 (circle letter): |
| WidthM50 <> M51<> | 1ь 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 < Centr | al part of eugeosynclinal part of basin and |
| range in Nevada. | |
| | |
| Local Structures N70 < NE-SW trending | bodies of intrusive rhyolite and breccia |
| are in Caldera along NE-SW trending | Majuha Fault |
| are in cardera arong RE-SW trending | Hajuba Faure. |
| | · · · · · · · · · · · · · · · · · · · |
| Host-FM. Name U1 < Majuba Intrusive C | omplex Member U2 < Late Porphyry > |
| Host Rock K1 (T,E,R,T, , , ,) (Age) | Porphyritic rhyolite and breccia (Rock type, texture, composition, color, |
| | W. Parallels lineation of intruded Auld |
| alteration, attitude, geometry, struct | cure, etc.) |
| Lang Syne argillaceous schists. | |
| | , |
| Host-Rock Environment U3 < Hypabyssal | , postorogenic, plug >> |
| (Sed. dep. 6 | environ., metamorphic facies, ign. environ.) |
| | fferent units of the volcanic complex are |
| known and well described in "geology | of the Majuba Hill area, Pershing County" |
| Nevada Bur Mines and Geol. Bull 86. | > |
| Ore Minerals C30 < Malachite, Azurite | , Cassiterite, Metazunerite, and numerous |
| secondary copper minerals. | . > |
| Gangue Minerals K4 < quartz, sanidine | |
| | |

| | | Page 4 | |
|---|---------------------|---|----------|
| URANIUM-OCCURRENCE | Quad Name | Lovelock | |
| REPORT | .Deposit No. | 12 | |
| Alteration N75 < secondary copper sult | ides, carbonates, | arsenates, limonite a | and |
| gypsum | | | |
| | | | > |
| Reductants U5 < Unknown, but probably | sulfides and arseni | des of copper | |
| | | | <u> </u> |
| Analytical Data (General) C43 < A repo | orted 3 foot wide z | one of 0.30% U ₃ 0 ₈ in | |
| copper chute area which was mined out | with copper produ | iction. | |
| | | | > |
| Radiometric Data (General) U4 < Scintr | ex 500 to 2700 CPS | 5 (5-27 times background and dimensions) | und) |
| in much of main mine area. MEX 073, | | 7.4.2 | K-35 |
| U-22.3 CPS, Th-1.6 CPS. MEX 074, Ge | | | |
| U-J3.0 CPS, Th-2.0 CPS Ore Controls %5 Lithology and breccia | | | |
| | | | 1 |
| | | | |
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Deposit Class C40 < Pneumatogenic > Class No. U7 < 5,2,0 >

Comments on Geology N85 < extensive study of the geology and ore deposits of

Majuba Hill Area indicate that the deposit is zoned from upper levels to deep

within the volcanic throat with molybdenum being the lower zone mineral.

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REPORT

| Quad Name | uad Nan | ne |
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Lovelock

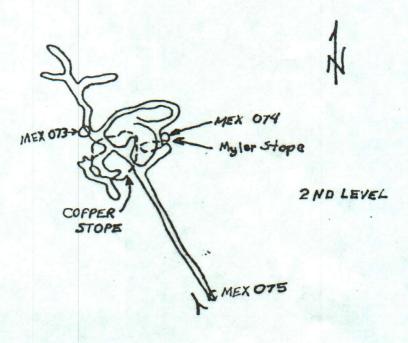
Deposit No.

12

Uranium Analyses:

| Sample No. | Sample Description | Uranium Analysis(ppm) |
|------------|--|-----------------------|
| MEX 073 | Black sooty chalcocite and argillized rhyolite | 179.0 |
| MEX 074 | Iron stained argillized rhyolite porphyry | 165.0 |
| MEX 075 | Rhyolite porphyry in 20 Ft. thick dike | 19.0 |
| | | |
| | | • |
| | | |

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



References:

| F1 < Garside, L. J., 1973, radioacti | ve mineral occurrences in Nevada, Nevada |
|--------------------------------------|--|
| Bur Mines and Geol. Bull 81 | > |
| F2 < MacKenzie, W. B. and Bookstrom, | A. A. 1976, geology of the Majuba Hill Area, |
| Pershing County, Nevada, Nevada Bur | Mines and Geol. Bull 86. |
| F3 < Trites, A. F. and Thurston, R. | H., 1958, Geology of Majuba Hill, Pershing |
| County, Nevada: U. S. Geol. Survey | Bull. 1046-I. |
| F4 < | |
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