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Date: October 11, 1982

WALLABY ENTERPRISES

Mining District Data Base Program

1. Mine or Property Name: SE Grp.
(Stray Elephant)
2. Mining District, County & State:
Middle Camp-Oro Fino Dist., Yuma Co. AZ
- 3a. Quadrangles or Map Names:
LaPaz Mtn. 7½ (1955)
Middle Camp Mtn. 7½ (1980)
- 3b. Location: T 3N R 20W S 5,6,4
4N 20W 31,32,33
4N 21W 36
- 3c. Lat. _____ Long. _____
4. Any Former Names: Scott-Weaver Grp., Zales Grp., Hancock Wash Cu Prospect, Weaver Mine, Apodaca Mine, McIntyre Mine, Begg Mine
5. Owner: Heinrichs GEOEXploration Inc., J.D. Loghry, W.C. Hirt, Wombat Mng. Co.
6. Address (Owner): P.O. Box 5964
Tucson, AZ 85703
7. Operator: same as above
8. Address (Operator):
same as above
9. Principal Metals: Cu,Au,Ag,Mo,U
10. Mining & Milling Operations: Kinds & Capacities

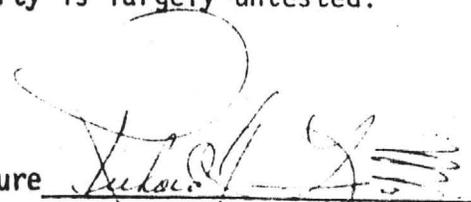
Present: currently inactive

Past: Mining and quarrying activity in the 1950's with shipments of Cu-Ag-Au ore that averaged approximately 1.10% Cu, .13 ozs. Ag and .002 ozs. Au per ton (approx. 100 tons of oxide ore shipped)
11. Number of Claims, Title, etc. (Please include a sketch map or plat showing location, T. R. & Sec., and the general outline of each group)
78 unpatented lode mining claims held by location and performance of annual work;
320 acres of state land under prospecting permit #83801
12. Previous Published or Unpublished Reports: Kincannon, 1926 (private report); Lee, W.T., 1908; Bancroft, H., 1911; Darton, N.H., 1925; Lausen, C., 1927; Housholder, E.R., 1956; (private report), Ahern, R., 1972; (private report) Crowl, W., 1978; ADMR file data
13. Names of Mining Companies or Governmental Agencies that have worked, or are now working on this property. Royal Investment Corp, Kerr-McGee Corp., McIntyre-Porcupine, Congdon & Carey, ADMR, Newmont Exploration Ltd., Gulf Minerals
14. Ore & Gangue Minerals: malachite, azurite, chrysocolla, tenorite, auriferous pyrite, galena, sphalerite, tetrahedrite, molybdenite, native gold and uraninite

WIC 5
919

22. **Brief History:** Property originally located in 1906 by Miguel Apodaca^{aca}, worked in the 1920's as the Weaver or Weaver-Scott Mine, developed in the 1950's by Royal Investment Corp. who shipped several carloads of oxide Cu-Ag ore. Operated in the 1960's by Hancock Oil Co., leased by Kerr-McGee in the 1970's who drilled four core holes (Q1-Q4) then abandoned the property. Located by the present ownership in 1980.
23. **Previous Sampling, Drilling & Other Studies on Dumps or Tailings:** Considerable surface sampling by Kerr-McGee, Gulf, Newmont, Royal Investment Corp., Congdon & Carey. Core drilling by Kerr-McGee and Royal Investment Corp.
24. **Environmental-Social-Political Conditions & Considerations:** Property located in a traditional area of past mining activity that has a large local small mine owner/operator group that supports mining and mineral exploration activity. The area is not within or adjacent to any proposed withdrawal or restricted use area.
25. **Sampling:** (see figure 1) numerous surface samples taken by Gulf and Newmont during the 1981-1982 period.
Sample Nos:
Sample Types or Types: rock chip and channel samples
26. **Assaying:**
27. **Financial Terms, Conditions & Considerations:** Property is open to lease with option to purchase from owners.
28. **Remarks:** Property has the potential for bulk tonnage Au-Ag deposits associated with pyritic, volcanic sequences; disseminated and stockwork Cu-Ag-Mo-U bulk tonnage deposits associated with extremely altered volcanic, volcanoclastic and intrusive units and placer gold deposits. Geological and geochemical surveys during 1981 and 1982 delineated areas with anomalous gold and copper mineralization and favorable rock types for the deposits described above. The property is only partially explored but has existing, developed reserves of Cu-Ag mineralization that can be currently mined by open pit methods. The potential of the property is largely untested.

29. **Date:** October 11, 1982

Signature 

Richard J. Lundin

Mr. Lundin is a Mineral Exploration Consultant with 10 years of experience in the evaluation of base and precious metal deposits in the U.S. and abroad. He holds a BA degree in Anthropology and Geology from Beloit College, Wisconsin and is the President of Wallaby Enterprises Inc.

March 1984

SE Property Data and Reports

(in approximate chronological order)

1. McPhar Geophysics IP and Resistivity Survey Location Map (Fig.3), undated but probably between 1962 and 1971.
2. Congden and Carey report on "Geology of the Sugarloaf Prospect, Yuma County, Arizona" with Plates II, III and IV, March 1964.
3. Report titled "Base Metal Distribution at Sugarloaf Peak, Quartzite Mining District, Yuma County, Arizona" dated August 1971, text 4 pp., with drill hole data including core logs, drill chip logs and metal ratio graphs for drill holes DDH S-1, DDH S-2, DDH S-3, DDH SL-4, DDH-SL-5, DDH SL-6, RH SL-7, RH S-8, RH S-10, RH SL-13 and DDH SL-15 (these are partly rotary and partly core holes), accompanied by map titled "Generalized Alteration - Sugarloaf Peak Area", dated August 1971 (two copies, one with outline of claim block), and also by another map (undated) entitled "Dome Rock Mtns Quad" which shows the location of the S and SL holes.
4. Assay logs for RH V-1 through RH V-15 (all rotary drill holes except for three feet of NX core on hole RH V-15), drilled in 1972.
5. Report titled "Exploration Potential of the Sugarloaf Peak Area, Quartzite Mining District, Yuma County, Arizona" dated May 25, 1973, 12 pp., with 3 pp. cover letter, accompanied by maps:
 - a. "Alteration Map-Sugarloaf Peak Prospect", May 25, 1973.
 - b. Molybdenum Geochemical Values, Lead Geochemical Values, and Mo/Pb Ratio Maps, all of the Sugarloaf Peak Prospect, dated May 1973.
 - c. Cross Section through Sugarloaf Peak, dated May 1973.
 - d. Magnetometer Survey Profiles, dated May 1973.
6. Assay and Core Logs for DDH Q-1 through Q-6 (NX core holes drilled in 1974-75).
7. Map titled "Quartzsite Geology and Alteration" dated February 1975 showing location of Q holes.
8. Map titled "Quartzsite Project, Yuma County, Arizona" dated May 30, 1975 showing location of Q holes.
9. Undated Map showing drill hole locations and claim block outline.
10. Geologic Map of the Central Dome Rock Mountains by W. J. Crowl, 1975 (University of Arizona thesis).
11. SE Property Map 1982.



March 1984

HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703. 806 WEST GRANT ROAD. PHONE: (602) 623-0578

SE Property Summary Sheet

The SE property is in the Middle Camp-Oro Fino Mining District in the Dome Rock Mountains in La Paz County, Arizona. The property is on Interstate 10, about eight miles west of Quartzsite, Arizona and about thirteen miles east of Blythe, California. The property consists of 78 lode claims, located in sections 31, 32 and 33, T. 4 N., R. 20 W., sections 5 and 6, T. 4 N., R. 20 W., and section 36 T. 4 N., R. 21 W., totalling about 1,330 acres, ~~and a state prospecting permit on the east half of section 36 T. 4 N., R. 21 W.~~

This area is shown on the Middle Camp Mountain USGS 7 1/2 minute topographic map. The claims bear US BLM Serial Numbers AMC105414 through AMC 105471 and AMC 186704 through 186723. They were staked in 1980 and 1982.

Ownership rests with four Arizona residents, each with a one quarter undivided interest. They are Walter E. Heinrichs, Jr., William C. Hirt, James D. Loghry of Tucson and Richard J. Lundin of Prescott, AZ.

The initial interest in the immediate claim area during recent times was for its porphyry copper-molybdenum potential. In this connection, during the period 1962 - 1975, mapping, sampling and rotary and diamond exploration drilling totalling approximately 18,500 feet was done by several concerns, one of them a major oil and mining company. More recently, the SE group has been re-evaluated in light of geochemical and geological data as a gold target, and the minerals division of a major oil company leased the property in 1983. This company drilled one hole required for annual labor purposes but, unfortunately, due to a sudden unexpected corporate-wide budget cut, they had to turn it back to the owners in January 1984. Results of some of the work done to date on the property are available to interested parties. We feel that the mineralization disclosed thus far warrants further investigation.

Further information may be obtained at the above address.



HEINRICHS GEOEXPLORATION COMPANY

P.O. BOX 5964, TUCSON, ARIZONA 85703. 806 WEST GRANT ROAD. PHONE: (602) 623-0578

February 9, 1982

SE Property Geological Synopsis

The SE property is in the Middle Camp - Oro Fino Mining District in Yuma County, Arizona. Past production from the district includes over 12,000 ounces of gold with 1500 ounces of contained silver from placer operations and minor production of lead, zinc, copper, gold and silver from several small lode mines.

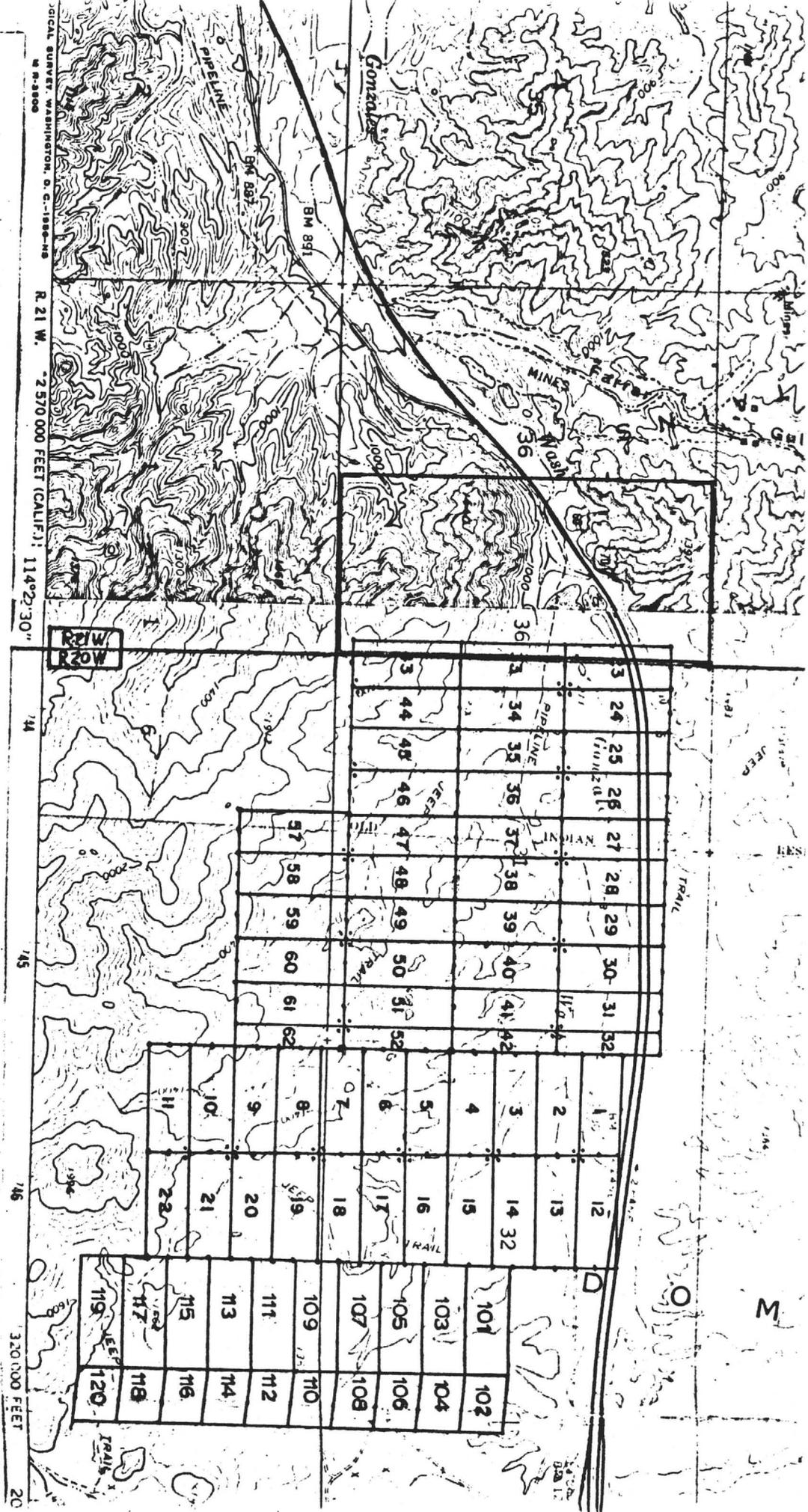
The dominant rocks exposed within the district in the Dome Rock Mountains are Precambrian schist and granite. In the SE property area, these rocks have been intruded by a stock of probable Laramide age. Extrusion of a Tertiary quartz porphyry flow followed; outcrops of this rock are found capping Sugarloaf Peak and scattered north of I-10. Late Tertiary gravels and Quaternary alluvium lap up onto the mountains.

Porphyry copper-type alteration is well developed within the property; alteration types include propylitic, pyritic, phyllic, and potassic. The original geometric relations between the various alteration zones have been obscured by structural dislocations along faults.

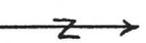
Surface geochemical sampling has disclosed anomalous lead, zinc, molybdenum, bismuth, and tin values.

Primary copper mineralization (disseminated chalcopyrite now partially oxidized to various copper oxide minerals) is found on the surface in the Hancock Wash area (Hancock Wash is the large wash in the south half of section 31 T4N R20W). This mineralization is associated with a block of exposed potassic alteration.

A minimum of 18,500 feet of recorded rotary and core drilling has been carried out in the Sugarloaf Peak area by various companies; data from some of this drilling is available in addition to other reports and maps and is included in the larger body of text which is available on request. The reader's attention is drawn to DDH Q-1 through Q-6. These holes were drilled in the Hancock Wash area intercepting schist and quartz monzonite (a phase of the



The property is comprised of 78 lode mining claims and Arizona state prospecting permit #83801 on the E 1/2 sec. 36 T4N R21W. Base map from USGS La Paz Mtn. and Middle Camp Mtn. 7 1/2 min. quads.



Laramide (?) intrusive). DDH Q-1, which was drilled mostly in schist, had intercepts of 200 feet of about 0.6% copper from the surface to a depth of about 200 feet; the copper is in the form of brochantite, chrysocolla, and malachite, partly disseminated and partly on fractures, and also disseminated and veinlet chalcopyrite. There is a further 30 feet of approximately 0.6% copper (disseminated chalcopyrite - bornite) at 400 - 430 feet. The mineralization in Q-1 is associated with sericite and biotite alteration.

DDH Q-3 intercepted 203 feet of 0.43% copper mineralization, mostly in quartz monzonite, from about 190 feet to about 400 feet of depth. The mineralization is in the form of chalcopyrite associated with phyllic alteration (quartz-sericite-pyrite).

Significant amounts of molybdenum are associated with copper mineralization intercepted in DDH Q-1 and Q-3, and probably elsewhere as well.

In DH Q-6 was found 50 feet of 0.2% copper in a faulted block of quartz monzonite. The mineralization is chalcopyrite associated with quartz-sericite-pyrite alteration and some tourmaline.

Tourmaline was noted in all of the Q holes, but most strongly in holes Q-2, Q-4, and Q-6, both disseminated and in veinlets.

Many of the earmarks of economic porphyry copper deposits found elsewhere in the Southwest are present in the Sugarloaf Peak area. These include the Pb-Zn-Mo geochemical anomalies, the well developed and widespread alteration zoning, presence of abundant alunite and tourmaline, and outcrops of disseminated copper mineralization in a potassic alteration zone. All these favorable geological characteristics indicate that more work is warranted to test for the presence of economic quantities of disseminated copper - molybdenum mineralization in the Sugarloaf Peak area.

Recent geochemical sampling and mapping (Jan.-Feb. 1982) have revealed the presence of anomalous gold values in host rocks favorable for lode gold mineralization. These results suggest the possibility of a stockwork gold deposit and/or Goldfield, Nevada - type mineralization which could have acted as a source for the placer gold mined in the early days of the district. More work is needed to define the areas of gold anomalism, favorable host rocks and to determine if potential economic targets for gold mineralization exist.

William C. Hirt
Geological Engineer
and Metallurgist

2121 E. Monte Vista Dr.
Tucson, Arizona 85719
March 8, 1988

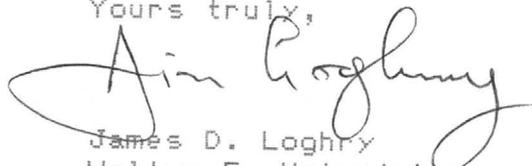
Mr. Hugo Dummett
Westmont Mining Inc.
2341 S. Friebus
Tucson, Arizona 85713

Dear Hugo:

Some time ago, Westmont (NICOR) expressed a strong interest in a possible lease option of our Stray Elephant Claims near Quartzite, La Paz County, Arizona. We are pleased to report that the gold target has been leased to American Copper & Nickel, and the copper leach target has been leased to Cyprus. In view of Westmont's past interest in the property, we thought you should know that the property is no longer available.

We would appreciate copies of any raw data collected during the Westmont/Nicor investigations of the SE Claims, as agreed upon when we submitted the property.

Yours truly,



James D. Loghry
Walter E. Heinrichs
William C. Hirt
Richard J. Lundin

THE NATURE OF A MAJOR TECTONIC BOUNDARY WHICH JUXTAPOSES
CRATONIC NORTH AMERICA AND MESOZOIC SEDIMENTARY TERRANE,
NORTHERN DOME ROCK MOUNTAINS, WESTERN ARIZONA

Kenneth J. Yeats

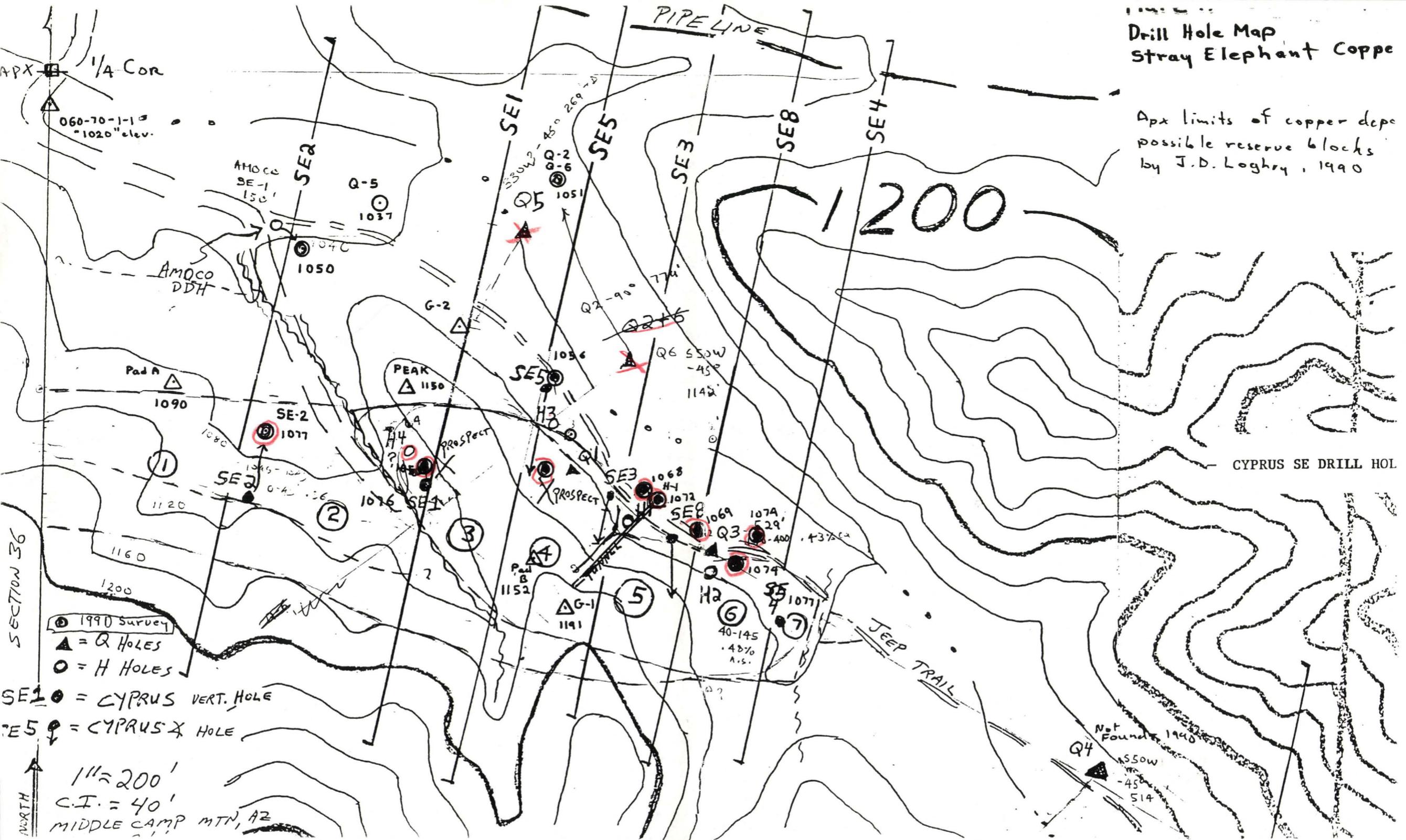
A major tectonic boundary, separating rocks of fundamentally distinct lithologic terranes, runs through western Arizona and southeastern California, marking the southwestern limit of unequivocal North American craton. This boundary is a zone of intense deformation which places crystalline basement and cover rocks of North American cratonic affinity over Mesozoic rocks of a northwest-trending structurally complex basin, the McCoy Terrane. This terrane largely consists of a thick pile of Jurassic volcanics, whose base is not exposed, and an overlying anomalously thick clastic sequence, the McCoy Mountains Formation, which is quite different from the classic cratonic Mesozoic sequence exposed to the north. The age and tectonic setting of McCoy sedimentation, and the timing and style of metamorphic, plutonic, and deformational events, remain controversial.

This tectonic boundary is best exposed as a north-dipping thrust fault in the northern Dome Rock Mountains of western Arizona, 25 km northeast of Blythe, California. This area is the subject of on-going geologic mapping and structural analysis. The mylonitic fault zone places metamorphosed and intensely folded cratonic Precambrian basement and Paleozoic (Grand Canyon correlative) rocks over greatly disrupted Mesozoic metasedimentary (McCoy Mountains Formation?), plutonic, and metamorphic rocks. Rock units appear to have been isoclinally folded at all scales; fold geometries are sympathetic with the major south-vergent thrust fault. Amphibolite-grade metamorphic rocks are exposed beneath the thrust. Post-kinematic late Mesozoic granites intrude both terranes.

Preliminary observations suggest that North American cratonic rocks were thrust southward over McCoy terrane rocks at deep crustal levels during a progressive deformational event in middle to late Mesozoic time. Precise time constraints await radiometric dating of key plutonic rocks.

Drill Hole Map
Stray Elephant Coppe

Apx limits of copper depts
possible reserve blocks
by J.D. Loghry, 1990



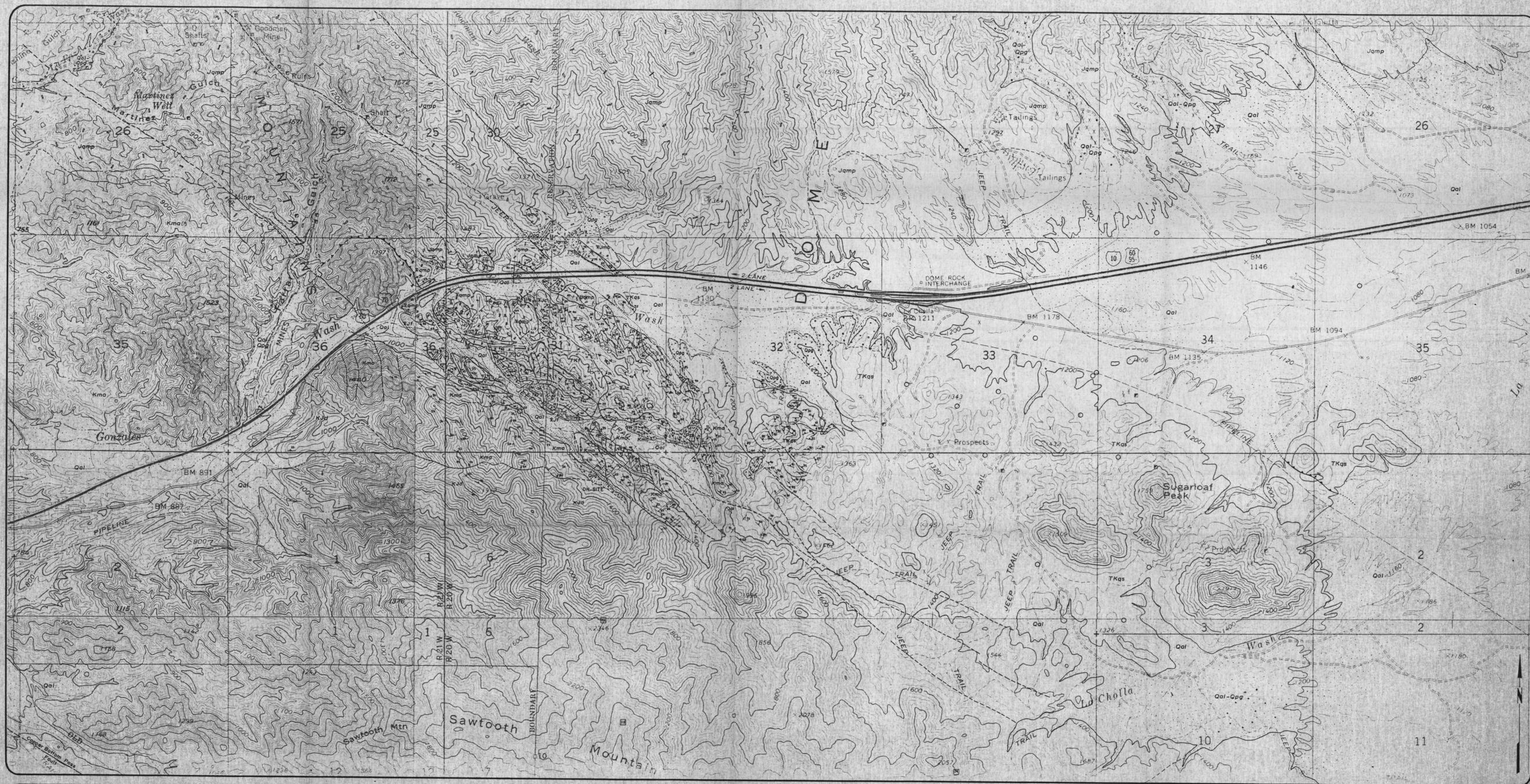
SECTION 36

NORTH

1" = 200'
C.I. = 40'
MIDDLE CAMP MTN, AZ

CYPRUS SE DRILL HOLE

Not Found 1990
Q4
SSOW
-45
514



EXPLANATION

Lithology

- Alluvium; sand, gravel, talus, and fan debris undivided.
- Pediment and terrace gravels; partially consolidated to well-indurated boulder-cobble conglomerates. Often hosts Au placers.
- Unconformity
- Kyanite-sericite schist; white, well-foliated sericite schist with a talcose luster. Subordinate amounts of kyanite, garnet, tourmaline, quartz and rutile present. (May be alteration product?)
- Schist; quartz-sericite and quartz-pyrophyllite schist with albite or K-spar spyrrite. Cataclastically derived from all older units.
- Fault surface; annealed low-angle fault surface. Composed of Kmp, Kgr, Krd, and other units, has phylite composition.
- Low Angle Fault.

- Quartz monzonite porphyry (Middle Camp qm of Crowell 1979); light greenish-brown intrusive with large K-spar phenocrysts set in crystalline matrix of qtz, plag, K-spar and bio.
- Meta-basalt; dense black, vesicular, cherty, flows with interbedded coarse-to-fine-grained basalt-composition clastics.
- Meta-felsic tuff sequence; thin-to-medium-bedded series of metamorphosed felsic tuffs, greywackes, sandstone, spherulitic tuffs, chert lenses, and rhyodacite flows.
- Cataclasite; cataclastically deformed, greywacke, sandstone, and green quartz monzonite porphyry; probably correlative with KJf.

Unconformity

STRUCTURE

- Contact, showing dip; dashed where approximate, dotted where concealed.
- Fault, high angle showing dip and trend of slickensides; dashed where approximate, dotted where concealed.
- Fault; low angle showing dip with barbs on upper plate; dashed where approximate, dotted where concealed.
- Bedding; strike and dip of inclined beds.
- Foliation; strike and dip of foliation planes.
- Cleavages; strike and dip of penetrative cleavages.

MINERALIZATION - ALTERATION

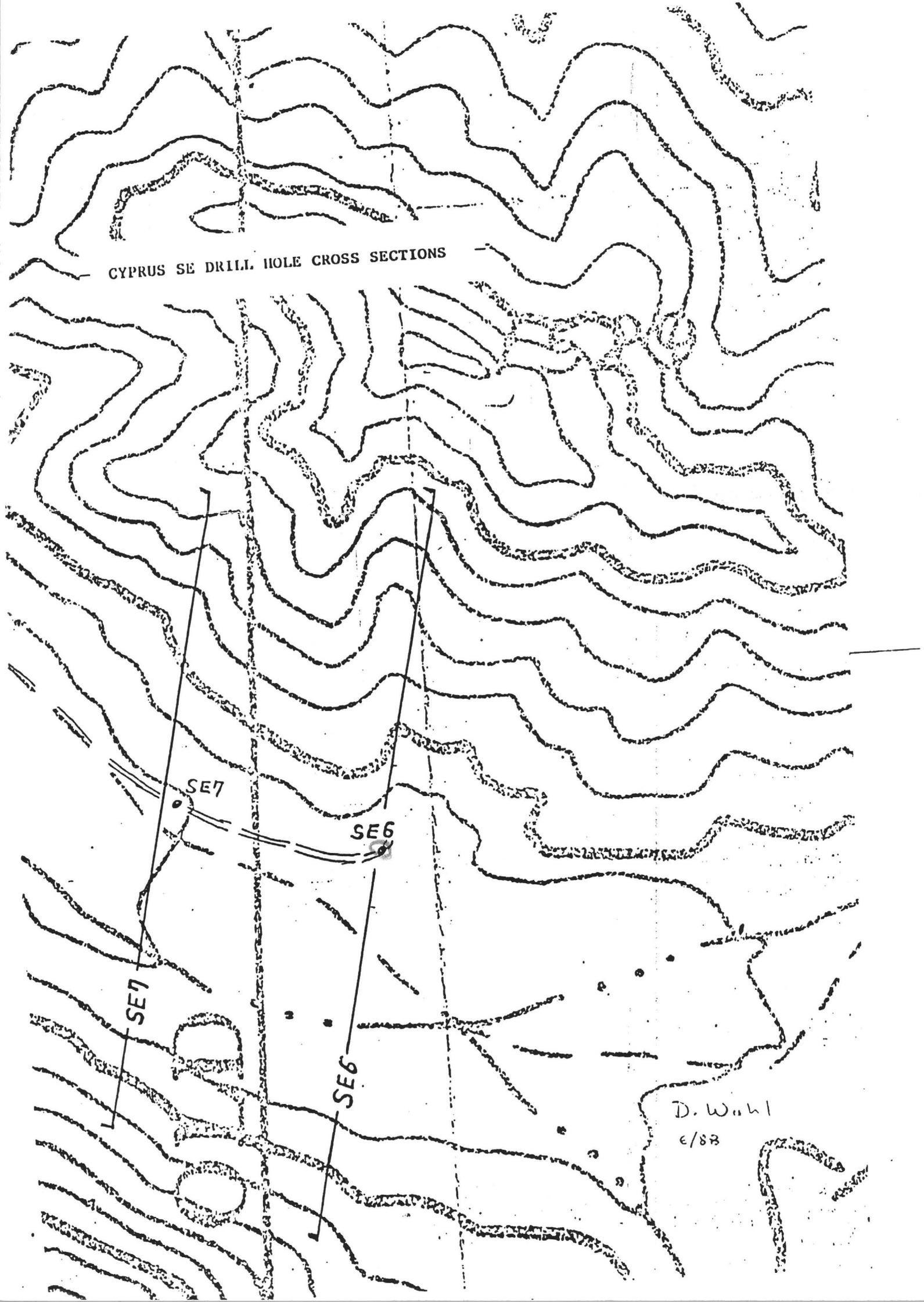
- Fault-vein with quartz and oxidized sulfides; dashed where approximate.
- Accessory minerals in veins as follows:
 * magnetite, * specularite, o oxidized copper minerals, * tourmaline, Ba, barite, ct, calcite.
- Alteration in veins and on selvages as follows:
 f: biotite, /: sericite, a: alunite, c: clays, epidote, chlorite
- Pervasive Alteration
 Advanced phyllic; quartz-sericite
 Phyllic; quartz-sericite/clay-alunite

Strat. Elephant

(PLATE 1)

1" = 200'

CYPRUS SE DRILL HOLE CROSS SECTIONS



D. Wahl

6/88