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SKYLINE OIL COMPANY
COPPER CHIEF PROPERTY
Douglas County, Nevada

Copper Chief Property

Skyline Oil Company controls the [illegible] on approximately 1,900 acres in Townships 11 and 12 N., Range 2[illegible] E., MDB&M, Douglas County, Nevada (Figure 1.). Contained in the 1,900 acres controlled by Skyline are 57 unpatented mining claims; 29 mining claim locations; and 560 acres of fee-mineral land on which Skyline has a mineral lease. Skyline calls these holdings the Copper Chief Property.

The Property is located in the Pine Nut Mining District from which an estimated $1,000,000 worth of copper, tungsten, gold, silver and molybdenum is reported to have been removed. Skyline's holdings include the workings of some of these early copper mines and prospects. Principal among these are the "Ruby Hill Mine", "Copper Hill Mine", and "Spray Mine". The Company's holdings also extend into the vicinity of, but do not include, the workings known as the "Alpine Mine".

The Copper Chief Property can be mineralogically categorized into three types of lands: (1) proved mineral bearing; (2) indicated mineral bearing; and (3) projected mineral bearing. Skyline conducted a preliminary exploration program in the area, which consisted of surface geologic and mineralogic mapping, sampling and assaying, trenching, induced polarization and resistivity geophysical surveys on a detailed grid pattern,

and diamond core drilling. The accompanying data outlines the extent, nature, and result of this work.

It is concluded from the exploration work thus far completed that extensive areas of mineralization are present within Skyline's holdings.

Skyline believes that an extensive exploratory program should be aggressively pursued both on, and in the vicinity of, its holdings in order to define what appears to be a mineralized structure of large extent. Skyline is desirous of bringing in a partner who is capable of conducting the exploration program we feel is warranted by virtue of the results of the previous work.

Surface Geologic and Mineralogic Mapping

The general area in which the Copper Chief property is located has been mapped both in regional reconnaissance format (James Moore, 1961; "Preliminary Geologic Mapping of Lyon, Douglas, Ormsby, and part of Washoe Counties, Nevada", United States Geological Survey MF-80), and on a more detailed, localized basis (Donald C. Noble, 1962; "Mesozoic Geology of the Southern Pine Nut Range, Douglas County, Nevada", Stanford University, Ph. D. Dissertation).

Noble's mapping was particularly helpful as it provided considerable detail in and around the Copper Chief Property. Map No. 1 is Noble's geologic and structural mapping for the area. It has been super-

imposed on an aerial photographic base without detailed rectification. Surface reconnaissance by Skyline indicates that discrepancies exist in both structure and lithology from the geological mapping by Noble, particularly near Ruby Hill.

Skyline has mapped the general distribution of alteration zones and mineralized zones in and around its holdings. The result of this work is shown on Map No. 2. This map is based on a limited number of field days and, therefore, is not intended to be totally representative of the area. It does include, however, information gained from the examination of numerous thin sections and it is believed that the map is representative of the results which might be obtained from a more complete study.

Sampling and Assaying

Numerous samples of the lithologic, alteration and mineralogic types were taken. Thin sections were prepared from a number of these samples to enable petrographic identification and classification. Some of the information thus obtained is incorporated in Maps Nos. 1 and 2. Additional detailed data is available in our offices for study.

Surface indications of secondary copper mineralization can be found at many localities widespread throughout the Copper Chief Property. Copper sulfides, primarily chalcopyrite, are present underground in the former workings on the property.

The regional distribution of sulfide minerals appears to show a thermal zoning with a high temperature axis or center on or near Skyline's holdings. Tungsten, molybdenum and copper mineralization has been noted in Sections 2 and 3, 23, and 24, 25 and 26, and 36 in T. 12 N., R. 21 E.; and in Sections 1 and 2 of T. 11 N., R. 21 E. The zoning drops off to low temperature antimony and silver mineralization at Veta Grande Mine and Dante Mine in sections 4, 9, and 10 in T. 11 N., R. 21 E. There appears to be a similar decrease in the temperature of mineralization in the area to the east although no field reconnaissance has been conducted. (Note Galena Peak area 4 miles to the east).

Assays for copper, silver, gold and molybdenum have been made on the most important mineralized occurrences. Copper minerals are the most prevalent, with assays in excess of 4% in the Ruby Hill area. Silver is the second most abundant mineral, but has been found in subcommercial values only. Gold and molybdenum have been detected only in trace amounts.

In 1955 an agent for Skyline performed detailed sampling in the tunnels and shafts in the Ruby Hill and Copper Hill mines. A Xerox copy of the samples and the assays of this work are included herewith (Figures 2, 3 and 4).

Trenching

Beginning in the mid 1950's and continuing to the present, annual assessment work on some of the claims has been performed by

means of trenching with the use of a bulldozer. Some of the earlier trenching can be seen on the aerial photo base maps. Additional work other than that shown on the map has been performed in the vicinity of Ruby Hill and also along the Buffalo Canyon road. The trenching has exposed the bedrock at these localities and permitted a more complete examination of the lithology, quartz veining and alteration common to the area.

Induced Polarization and Resistivity Survey:

In the summer of 1967, Skyline contracted with Hewitt Enterprises of Salt Lake City to conduct a detailed induced polarization and resistivity survey of the Ruby Hill and Copper Hill areas. The land grid was surveyed by Western Consultants, Inc. of Elko, Nevada, who at the same time made a complete survey of the claims making up the Copper Chief property. The geophysical surveying showed several anomalous features within the Ruby Hill area. Additional traverses were made off of Skyline's holdings to further delineate and expand particular zones of interest. This resulted in the staking of several additional new claims which are now included in the Copper Chief group.

The results of the geophysical work is available for study and consultation upon request.

Diamond Core Drilling:

In 1968, Skyline contracted for the drilling of four holes on

the Copper Chief property. The locations of these holes are shown on the aerial photo maps. Sky 5-1 (located in Sky Claim No. 5) was drilled to a depth of 160 feet and encountered no zones of mineralization. CC 1-1 was drilled to a depth of 358 feet. Copper mineralization was encountered through the entire depth of the hole and a complete assay on three feet intervals has been performed. CC 7-1 was drilled to a depth of 410 feet with copper mineralization present through most of the section. Underground leaching and alteration had left several barren zones, however. Sky 25-1 was the deepest hole drilled. It was taken to a depth of 893 feet. This hole encountered hydrothermal alteration minerals at approximately 850 feet. Copper sulfide mineralization (chalcopyrite) in subcommercial quantities was also encountered at this depth.

Assay results are available for examination.

Preliminary Report by Dr. D. B. Slemmons

August 7, 1968

SUMMARY OF PETROGRAPHIC DATA ON THE SKYLINE GROUP OF MINING CLAIMS, RUBY HILL MINE, GARDNERVILLE DISTRICT, DOUGLAS COUNTY, NEVADA

The following summary is extracted from notes by Dr. Bronson Stringham and observations by myself. The main purpose of this informal report is to prepare a list of thin polished sections available for the study of mineralization, alteration, and stratigraphic correlation of samples from this area. Sight identification has been used for all mineral determinations, except magnetite and pyrrhotite, where a magnet was used; all samples have been checked in short-wave ultra-violet illumination for possible scheelite mineralization. (A similar check is recommended for all drill core in the Skyline Oil Company sample bank.) The first collection listed is a stratigraphic collection; the second group of listings are samples from surface and tunnels, adits, crosscuts and raises and drill cores. Attached is a provisional and incomplete sample map. Samples collected by Dr. Stringham are identified by an askerisk; many of these are still uncertain as to exact locality and are useful only for general relationships.

Sample Number	Unit	Locality	Collection Type *	Sample Type **	Pyrite	Hematite	Pyrrhotite	Chalcopyrite	Secondary Quartz	Albite	Montmorillonite, Sericite, or Muscovite	Biotite, Phlogopite	Magarite (?)	Tremolite
Amax 1	Jr-K	Alpine Mill	S	UTS	(X)	X				X	X			
	Biotite granodiorite with hematite replacing pyrite													
Amax 2	Jr-K	Alpine Mill	S	UTS	(X)	X			X	X	X			
	Biotite granodiorite, quartz-microcline-sphene veins; hematite after pyrite													
Amax 3	Jr-K	Alpine Mill	S	UTS	(X)	X			X	X	X			
	Biotite granodiorite, quartz-microcline-sphene veings; hematite after pyrite													
Amax DC	Jr-K	Alpine Mill	DC	UTS	(X)	X			X	X	X			
	This sample from cemented core; note the granodiorite has a "porphyry"-type matrix.													
Alp	Jr-K	Alpine Mill	S?	UTS	X	X				X	X	X		
	Biotite quartz monzonite, float from Amax area with secondary Cu stains; may be foreign to property.													
Sky 5-1	Jvc		S	HS						X				
	Volcanic conglomerate													
Jva	Jva	S 2, T 11 N, R 31 E (CC19)	S	UTS		X				X	X			
	Andesitic sandstone; poorly sorted by size													
Jvs	Jvs	S 2, T11 N R 21 E (CC19)	S	UTS		X				X				
	Andesitic sandstone; poorly sorted by size; similar to Jva													
Jvt	Jvt	S 2, T 11 N R 21 E (CC19)								X	X			
	Sheared rhyolitic lapilli tuff breccia													
Jp	Jp	S 35, R 12 N R 21 E(Sky10)								X	X			
	Sheared quartz sandstone with silty matrix													

* Surface (S), Underground (U), Drill Core (DC)
**Thin Section (TS), Polished Section (PS), Uncovered Thin Section (UTS), or Hand Specimen (HS)

Sample Number	Unit	Locality	Collection Type *	Sample Type **	Pyrite	Hematite	Pyrrhotite	Chalcopyrite	Secondary Quartz	Albite	Montmorillonite, Sericite, or Muscovite	Biotite, Phlogopite	Magarite (?)	Tremolite
JTRgv	JTRgv	S 35, R 12 N R 21 E(Sky28)		UTS						X	X			
	Sheared volcanic conglomerate member													
JTRgs	JTRgs	S 35, R 12 N R 31 E(Sky 28)	S	UTS		X				X	X			
	Siltstone and shales													
TRouv	TRouv	S 26, T 12 N R 21 E	S	UTS		X			X	X	X	X		
	Volcanic breccias, sandstones and siltstones with secondary sphene and calcite													
S-1	TRouv?	S 26, T 12 N R 21 E	U?	UTS		X					X	X		
	Volcanic breccia with carbonate mineral matrix, secondary zoisite or vesurianite													
S-2	TRouv ?	S 26, T 12 N R 21 E	U?	UTS										
	Volcanic breccia with carbonate mineral matrix; secondary zoisite or vesurianite													
CC 1-1	Jvt?	CC 1		UTS							X			
	Note disagreement with unit designation and map													
CC 1-1-200	Jvt?	CC 1		UTS	X			X	X		X			
	Strongly silicified rock with abundant chalcopyrite, minor sphalerite and pyrite													
CC 1-1-267	Jvt?			UTS	X				X (in vein)		X			
	Ignimbrite / rhyolitic tuff breccia													
CC 1-1-345	Jvt?	CC 1		UTS	X				X		X			
	Limey pyroclastic, pyrite appears to selectively replace basic inclusions													

* Surface (S), Underground (U), Drill Core (DC)
**Thin Section (TS), Polished Section (PS), Uncovered Thin Section (UTS), or Hand Specimen (HS)

Sample Number	Unit	Locality	Collection Type *	Sample Type **	Pyrite	Hematite	Pyrrhotite	Chalcopyrite	Secondary Quartz	Albite	Montmorillonite, Sericite, or Muscovite	Biotite, Phlogopite	Magarite (?)	Tremolite
CC 1-1-349	Jp? with secondary calcite	CC 1		UTS	X					X	X			
*1A	Jrs?	CC 2?		U		X					X			
	Volcanic sediment: Meta-calcareous-quartzose siltstone													
*1B	Jvs?	CC 2?		U	X	X					X			
	Rhyolitic siltstone with calcite-chlorite veins; calcareous; Tunnel # 1?													
*1C	Jvs?	CC 2?		U							X			
	Sandy volcanic siltstone; calcareous with quartzose fragments; Tunnel # 1?													
*1D	Jvt?	CC 2?			X	X				X	X			
	Dacitic ignimbrite? near beginning of primary sulfide zone; Tunnel # 1?													
*1E	Jvt?	CC 2?				X				X	X			
	Dacite porphyry; calcareous. Tunnel # 1?													
*1F	Jvt?	CC 2?		U	X	X				X	X			
	Dacitic sandstone; Tunnel # 1?													
*CC	Jvt	CC 2, Tunnel		U	X	X		X		X	X	Dacite ignimbrite		
*CC 1 or 2	Jvt?	CC 2?	U	HS										
	Example of copper basic carbonates and malaconite from lower drift (?):													
*CC 1	Jvt?	?	U or S		TS		X							
	Example of secondary basic copper carbonates and abundant epidote: meta-epid-quartz-mt-hematite rock													
*CC 2	Jvt?	?	U?	TS		X			X		X			
	Meta-dacite ignimbrite													
*CC 3	Jvs?	?	S?	TS		X				X	X			
	This sample contains very abundant plagioclase in angular grains, appears to be a water-sorted volcanic sandstone; some secondary copper minerals.													
*CC 4	Jvc?	?	S	TS		X				X	X			
	Abundant secondary basic copper carbonate minerals; very similar to CC 4, but map shows a different formational unit if CC 4 denotes a Copper Chief mining claim number four locality.													

* Surface (S), Underground (U), Drill Core (DC)
**Thin Section (TS), Polished Section (PS), Uncovered Thin Section (UTS), or Hand Specimen (HS)

Sample Number	Unit	Locality	Collection Type *	Sample Type **	Pyrite	Hematite	Pyrrhotite	Chalcopyrite	Secondary Quartz	Albite	Montmorillonite, Sericite, or Muscovite	Biotite, Phlogopite	Magarite (?)	Tremolite
*CC 5	Jva?	?	S	TS		X				X	X			
	Meta-andesite flow or intrusive rock; secondary copper basic carbonate minerals; some melaconite													
CC 5		CC 5		UTS										
	Diabase or gabbro, with moderately actinolitic pyroxene, some magnetite-ilmenite, biotite; plagioclase is calcic. Post-mineral in age? similar to small intrusion on CC Ext 12.													
*CC 6	Jva	CC 6?	S	TS		X				X	X			
	Meta-andesite flow or shallow intrusive; secondary basic copper carbonates													
*CC 7	?	CC 7?	S	TS		X			X	X	X			
	Meta-andesite intrusive or flow; strongly silicified matrix. Abundant secondary basic copper carbonates.													
*CC 8	JTRgv?	CC 8	S	TS		X				X	X			
	Meta-dacitic sandstone with some sub-rounded quartz grains; angular albitized plagioclase													
*CC 2-1	Jvt?	CC 2?	U?	TS		X				X	X			
	Example of basic copper carbonates in acidic volcanic pyroclastic; lower drift? Meta-dacite breccia													
Tunnel 1-1 (in tunnel)	Jvt?	CC 2	U	TS		X					X			
	Secondary basic copper carbonate minerals in acidic pyroclastic; upper drift? Meta-dacite ignimbrite													
*Tunnel 2-	Jvt?	CC 1	U	TS		X				X	X			
	Secondary basic copper carbonate minerals in acidic pyroclastic; lower drift? Secondary calcite or dolomite. Meta dacite ignimbrite													
*Tunnel 2-2	Jvt?	CC 1?	U	TS		X				X	X			
	Meta-dacite ignimbrite or fine-grained breccia													
*Tunnel 1-S3 or 3, 4?	Jvt?	CC 2?	U	TS		X					X			
	The numbering on this sample is confused; shows some basic copper carbonate minerals in acidic pyroclastic; from drift on CC 1?													

* Surface (S), Underground (U), Drill Core (DC)
**Thin Section (TS), Polished Section (PS), Uncovered Thin Section (UTS), or Hand Specimen (HS)

Sample Number	Unit	Locality	Collection Type *	Sample Type **	Pyrite	Hematite	Pyrrhotite	Chalcopyrite	Secondary Quartz	Albite	Montmorillonite, Sericite, or Muscovite	Biotite, Phlogopite	Magarite (?)	Tremolite
Sky 25-1-567	TRouv	Sky 25	DC	UTS	X				X		X	X		
	Meta-volcanic breccia with dolomite or limestone matrix													
Sky 25-1-572	TRouv	Sky 25	DC	UTS	X						X	X		
	Meta-volcanic breccia with dolomite or limestone matrix													
Sky 25-1-538	TRouv	Sky 25	DC	UTS	X						X	X		
	Meta-volcanic breccia with dolomite or limestone matrix; some zeolites in veins													
Sky 25-1-575	TRouv	Sky 25	DC	HS	X				X					
Sky 25-1-595	TRouv	Sky 25	DC	HS	X									
Sky 25-1-611.5	TRouv	Sky 25	DC	UTS	X	X								
	Marble													
Sky 25-1-651.5	TRouv	Sky 25	DC	UTS	X				X	X	X	X		X
	Silicified meta-volcanic													
Sky 25-1-702	TRouv	Sky 25	DC	UTS	X									
	Marble													
Sky 25-1-723.5	TRouv	Sky 25	DC	UTS	X	X					X	X		
	Meta-limey volcanic													
Sky 25-1-826	TRouv	Sky 25	DC	UTS	X	X					X	X		X
	Meta-limey volcanic													
Sky 25-1-842	TRouv	Sky 25	DC	UTS	X	X					X	X		X
	Tremolite, Biotite, quartz rock													

* Surface (S), Underground (U), Drill Core (DC)
**Thin Section (TS), Polished Section (PS), Uncovered Thin Section (UTS), or Hand Specimen (HS)

Sample Number	Unit	Locality	Collection Type *	Sample Type **	Pyrite	Hematite	Pyrrhotite	Chalcopyrite	Secondary Quartz	Albite	Montmorillonite, Sericite, or Muscovite	Biotite, Phlogopite	Magarite (?)	Tremolite
Sky 25-1-855	TRouv? (or TRolc) Marble	Sky 25	DC	UTS	X									
[illegible] #1	[illegible] ? Meta-andesite	[illegible] ?	[illegible] ?	[illegible] TS	X					X	X			

* Surface (S), Underground (U), Drill Core (DC)

**Thin Section (TS), Polished Section (PS), Uncovered Thin Section (UTS), or Hand Specimen (HS)

Sample Number	Unit	Locality	Collection Type *	Sample Type **	Pyrite	Hematite	Pyrrhotite	Chalcopyrite	Secondary Quartz	Albite	Montmorillonite, Sericite, or Muscovite	Biotite, Phlogopite	Magarite (?)	Tremolite
*Tunnel 1-2	Jvt?	CC 1?	U	TS		X				X	X			
	The sample has little copper mineralization; acidic pyroclastic from drift on CC 1?													
*CC 2-2 Tunnel 2	Jvt?	CC 1?	U	TS		X				X	X			
	Some secondary basic copper carbonate minerals in acidic pyroclastic. Jarosite in veinlets.													
*Tunnel 2-3	Jvt?	CC 2?	U	TS		X				X	X			
	Some secondary basic copper carbonate minerals in acidic ignimbrite; some K-feldspar phenocrysts present in original rock; simce most of the acidic volcanics from this are contain no K-feldspars, this may be a useful marker unit; abundant chalcopyrite.													
Sky 25-1-64		Sky 25	DC	TS?										
Sky 25-1-309		Sky 25	DC	TS,PS	X	X	X			X	X	X	(Lamprophyre)	
Sky 25-1-330		Sky 25	DC	TS,PS										
Sky 25-1-335	TRouv	Sky 25	DC	UTS	X					X	X	X		
	Meta-andesitic flow or intrusive rock													
Sky 25-1-360		Sky 25	DC	TS,PS										
	Quartz-pyrite-magnetite-chalcopyrite-pyrrhotite vein in aphanitic dike or flow rock													
Sky 25-1-511	TRouv	Sky 25	DC	UTS	X					X	X	X		X
	Volcanic carbonate sediment with recrystallization of limestone to marble; zeolite veins													
Sky 25-1-540	TRouv	Sky 25	DC	HS	X						X	X		
	Meta-volcanic siltstone													
Sky 25-1-550	TRouv	Sky 25	DC	UTS	X			X			X	X		
	Meta-volcanic breccia with dolomitic or limestone matrix													
Sky 25-1-565	TRouv	Sky 25	DC	UTS	X					X	X	X		
	Meta-volcanic breccia with dolomite or limestone matrix													

* Surface (S), Underground (U), Drill Core (DC)
**Thin Section (TS), Polished Section (PS), Uncovered Thin Section (UTS), or Hand Specimen (HS)

Sample Number	Unit	Locality	Collection Type *	Sample Type **	Pyrite	Hematite	Pyrrhotite	Chalcopyrite	Secondary Quartz	Albite	Montmorillonite, Sericite, or Muscovite	Biotite, Phlogopite	Magarite (?)	Tremolite
*Tunnel 1-2	Jvt?	CC 1?	U	TS		X				X	X			
	The sample has little copper mineralization; acidic pyroclastic from drift on CC 1?													
*CC 2-2 Tunnel 2	Jvt?	CC 1?	U	TS		X				X	X			
	Some secondary basic copper carbonate minerals in acidic pyroclastic. Jarosite in veinlets.													
*Tunnel 2-3	Jvt?	CC 2?	U	TS		X				X	X			
	Some secondary basic copper carbonate minerals in acidic ignimbrite; some K-feldspar phenocrysts present in original rock; simce most of the acidic volcanics from this are contain no K-feldspars, this may be a useful marker unit; abundant chalcopyrite.													
Sky 25-1-64		Sky 25	DC	TS?										
Sky 25-1-309		Sky 25	DC	TS,PS	X	X	X			X	X	X	(Lamprophyre)	
Sky 25-1-330		Sky 25	DC	TS,PS										
Sky 25-1-335	TRouv	Sky 25	DC	UTS	X					X	X	X		
	Meta-andesitic flow or intrusive rock													
Sky 25-1-360		Sky 25	DC	TS,PS										
	Quartz-pyrite-magnetite-chalcopyrite-pyrrhotite vein in aphanitic dike or flow rock													
Sky 25-1-511	TRouv	Sky 25	DC	UTS	X					X	X	X		X
	Volcanic carbonate sediment with recrystallization of limestone to marble; zeolite veins													
Sky 25-1-540	TRouv	Sky 25	DC	HS	X						X	X		
	Meta-volcanic siltstone													
Sky 25-1-550	TRouv	Sky 25	DC	UTS	X			X			X	X		
	Meta-volcanic breccia with dolomitic or limestone matrix													
Sky 25-1-565	TRouv	Sky 25	DC	UTS	X					X	X	X		
	Meta-volcanic breccia with dolomite or limestone matrix													

* Surface (S), Underground (U), Drill Core (DC)
**Thin Section (TS), Polished Section (PS), Uncovered Thin Section (UTS), or Hand Specimen (HS)

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief
Douglas County, Nevada

CLAIM CC 5

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton		Date
CC 5-1	31	116-126	110 ppm	<.05	<10 ppm	<1 ppm		5-23-68
	96	126-133	.005	"	<1.0			6-10-6
	97	133-136	.003	"	"	<.005		
	98	136-141	.002	"	"			
	99	141-147	.005	"	"			
	100	147-155	.007	"	"			
	101	155-160	.005	"	"	"		

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief CLAIM CC 1

Douglas County, Nevada

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton		Date
CC 1-1	1	10-13	330 ppm	<.05	<10 ppm	<1 ppm		5-23-68
	2	13-16	.070	"	"	"		
	3	16-19	1.29	"	"			
	4	10-22	2.15	"	"	"		
	5	22-25	1.13	"	"			
	6	25-28	.68	"	"			
	7	28-31	.67	"	"	"		
	8	31-34	1.42	"	"			
	9	34-37	.79	"	"			
X	10	37-40	2.50	"	"	"		
	11	40-43	2.30	"	"			
	12	43-46	.645	"	"			
	13	46-49	210 ppm	"	"	"		
	14	49-52	130 ppm	"	"			
	15	52-55	640 ppm	"	"			
	16	55-58	250 ppm	"	"	"		
	17	58-61	50 ppm	"	"			
	18	61-64	1.29	"	"			
	19	64-67	.22	"	"	"		
	20	67-70	.59	"	"			
	21	70-73	.79	"	"			

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief CLAIM CC 1

Douglas County, Nevada

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton		Date
CC 1-1	22	73-76	.37	<.05	<10 ppm	<1 ppm		5-23-68
	23	76-79	1.85	"	"			
	24	79-82	.65	"	"			
	25	82-85	.12	"	36 ppm	"		
	26	85-88	.095	"	<10 ppm			
	27	88-91	.35	"	"			
	28	91-94	.095	"	"	"		
	29	94-97	.775	"	"			
	30	97-100	.711	"	"	"		
	32	100-103	.455	"	<1.0	<.005		6-6-68
	33	103-106	.485	"	"			
	34	106-109	.505	"	"			
	35	109-112	.720	"	1.60	"		
	36	112-115	.820	"	4.20	.01		
	37	115-118	1.10	"	<1.0			
	38	118-121	.785	"	"	<.005		
	39	121-124	.189	"	"			
	40	124-127	.029	"	"			
	41	127-130	.013	"	"	"		
	42	130-133	.029	"	"			
	43	133-136	.070	"	"			

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief
Douglas County, Nevada

CLAIM CC 1

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton	% Co	% Ni	Date
CC 1-1	187	338	.031	<.005	<1.0	<.005			6-19-6
	188	135-138	.011	"	"	"	<.01	<.005	6-25-6
	189	138-141	.018	"	"				
	190	141-144	.031	"	"				
	191	144-147	.011	"	"				
	192	147-150	.045	"	"	"	"	"	
	193	150-153	.25	"	"				
	194	153-156	.118	"	"				
	195	156-159	.184	"	"				
	196	159-162	.032	"	"	"	"	"	
	197	162-165	.011	"	"				
	198	165-168	.028	"	"				
	199	168-171	.176	"	"				
	200	171-174	.126	"	"	"	"	"	
	201	174-177	.038	.015	"				
	202	177-180	.010	<.005	"				
	203	180-183	.089	"	"				
	204	183-186	1.27	"	"				
	205	186-189	1.23	"	"	"	"	"	
	206	189-192	.147	"	"				
	207	192-195	.023	"	"				

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief CLAIM CC 1

Douglas County, Nevada

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton	% Co	% Ni	Date
CC 1-1	208	195-198	.146	<.005	<1.0	<.005	<.01	<.005	6-25-6
	209	198-201	.061	"	"				
	210	201-204	.195	"	"				
	211	204-207	.019	"	"				
	212	207-210	.140	"	"	"	"	"	
	213	210-213	.029	"	"				
	214	213-216	.199	"	"				
	215	216-219	.470	"	"				
	216	219-222	.016	"	"	"	"	"	
	217	222-225	.007	"	"				
	218	225-228	.025	"	"				
	219	228-231	.016	"	"				
	220	231-234	.095	"	"	"	"	"	
	221	234-237	.003	"	"				
	222	237-240	.028	"	"				
	223	240-243	.003	"	"				
	224	243-246	.013	"	"	"	"	"	
	225	246-249	.003	"	"				
	226	249-252	.002	"	"				
	227	252-255	.003	"	"				
	228	255-258	.002	"	"	"	"	"	

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief
Douglas County, Nevada

CLAIM CC 1

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton	% Co	% Ni	Date
CC 1-1	229	258-261	<.005	<.005	<1.0				6-27-6
	230	261-264	"	"	"				
	231	264-267	"	"	"				
	232	267-270	"	"	"	<.005	<.01	<.005	
	233	270-273	"	"	"				
	234	273-276	"	"	"				
	235	276-279	"	"	"				
	236	279-282	"	"	"	"	"	"	
	237	282-285	"	"	"				
	238	285-288	"	"	"				
	239	288-291	"	"	"				
	240	291-294	"	"	"	"	"	"	
	241	294-297	"	"	"				
	242	297-300	"	"	"				
	243	300-303	"	"	"				
	244	303-306	"	"	"	"	"	"	
	245	306-309	"	"	"				
	246	309-312	"	"	"				
	247	312-315	"	"	"				
	248	315-318	"	"	"	"	"	"	
	249	318-321	"	"	"				

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief
Douglas County, Nevada

CLAIM CC 1

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton	% Co	% Ni	Date
CC 1-1	250	321-324	<.005	<.005	<1.0				6-27-68
	251	324-327	"	"	"				
	252	327-330	"	"	"	<.005	<.01	<.005	
	253	330-333	"	"	"				
	254	333-336	"	"	"				
	255	336-339	.015	"	"				
	256	339-342	.009	"	"	"	"	"	
	257	342-345	.011	"	"				
	258	345-348	.008	"	"				
	259	348-351	.007	"	"				
	260	351-354	.009	"	"	"	"	"	
	261	354-357	.011	"	"				
	262	357-358	.020	"	"				

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief CLAIM S 25-1
Douglas County, Nevada

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton	%Ni	%Co	Date
S 25-1	291	699.5-702	<.004	<.005	.67	<.005	<.004	<.004	7-20-68
	292	702-705	.005	"	<.5				
	293	705-708	<.004	"	"				
	294	708-711	<.004	"	"				
	295	711-714	<.004	"	"	"	"	"	
	296	714-717	<.004	"	"				
	297	717-720	<.004	"	"				
	298	720-723	.007	"	"				
	299	723-726	.010	"	"	"	.007	.008	
	300	726-729	.006	"	"				
	301	729-732	.005	"	"				
	302	732-735	.004	"	"				
	303	735-738	.009	"	"	"	.007	.009	
	304	738-741	.010	"	"				
	305	741-744	.004	"	.59				
	306	744-747	.008	"	<.5				
	307	747-750	.015	"	"	"	.005	.006	
	308	750-753	.009	"	"				
	309	753-756	.007	"	"				
	310	756-759	.006	"	"				
	311	759-762	.009	"	"	"	.007	.009	

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief CLAIM S 25-1
Douglas County, Nevada

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton	%Ni	%Co	Date
S 25-1	312	762-765	.005	<.005	<.5				7-20-68
	313	765-768	.007	"	"				
	314	768-771	.007	"	"				
	315	771-774	.006	"	.59	<.005	.007	.008	
	316	774-777	.009	"	<.5				
	317	777-780	.006	"	"				
	318	780-783	.006	"	"				
	319	783-786	.010	"	"	"	.006	.008	
	320	786-789	.008	"	"				
	321	789-792	.007	"	"				
	322	792-795	.006	"	"				
	327	795-798	.008	.007	<0.5	<.005	.005	.006	7-25-68
	328	798-801	.008	.010	"				
	329	801-804	.009	<.005	"				
	330	804-807	.008	"	"				
	331	807-810	.008	"	"	"	.005	.006	
	332	810-813	.008	.007	"				
	333	813-816	.009	<.005	"				
	334	816-819	.009	.007	"				
	335	819-822	.008	<.005	"	"	.006	.008	
	336	822-825	.007	.007	"				

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief CLAIM S 25-1

Douglas County, Nevada

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton	%Ni	%Co	Date
S 25-1	337	825-828	.007	<.005	<0.5				7-25-68
	338	828-831	.007	"	"				
	339	831-834	.008	.007	"	<.005	.006	.007	
	340	834-837	.005	<.005	"				
	341	837-840	.011	"	"				
	342	840-843	.005	"	"				
	343	843-846	.006	"	"	"	.007	.006	
	344	846-849	.007	.007	"				
	345	849-852	.004	<.005	"				
	346	852-855	.001	.010	"				
	347	855-858	.001	.010	"	"	<.004	<.004	
	348	858-861	.001	.005	"				
	349	861-864	.001	"	"				
	350	864-867	.001	.010	"				
	351	867-870	.001	.010	"	"	<.004	<.004	
	352	870-873	.002	.010	"				
	353	873-876	.002	.010	"				
	354	876-880	.002	.010	"				
	323	880-883	<.004	.009	"	"	<.004	<.004	7-20-68
	324	883-886	<.004	.009	.59				
	325	886-889	<.004	<.005	67				

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief CLAIM S 25-1

Douglas County, Nevada

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton	%Ni	%Co	Date
S 25-1	326	889-893	<.004	<.005	.67	.005	<.004	<.004	7-20-6

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief CLAIM CC 7
Douglas County, Nevada

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton		Date
CC 7-1	44	0-6	.143	<.05	<1.0	<.005		6-6-68
	45	6-9	.485	"	"			
	46	9-12	.880	"	"			
	47	12-15	1.23	"	"	"		
	48	15-18	.615	"	"			
	49	18-21	.290	"	"			
	50	21-24	.295	"	"	"		
	51	24-27	.435	"	"			
	52	27-30	.245	"	"			
	53	30-33	.225	"	"	"		
	54	33-36	1.21	"	"			
	55	36-39	.920	"	"			
	56	39-42	.305	"	"	"		
	57	42-45	.940	"	"			
	58	45-48	1.23	"	"			
	59	48-51	.480	"	"	"		
	60	51-54	.225	"	"			
	61	54-57	.270	"	"			
	62	57-60	.470	"	"	"		
	63	60-63	.680	"	"			
	64	63-66	.245	"	"			

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief
Douglas County, Nevada

CLAIM CC 7

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton		Date
CC 7-1	65	66-69	.240	<.05	<1.0	<.005		6-6-68
	66	69-72	.330	"	"			
	67f	72-75	.349	"	"			
	68	75-78	.540	"	"	"		
	69	78-81	.540	"	"			6-10-68
	70	81-84	.220	"	"			
	71	84-87	.110	"	"	"		
	72	87-90	.050	"	"			
	73	90-93	.065	"	"			
	74	93-96	.150	"	"			
	75	96-99	.080	"	"			
	76	99-102	.090	"	"			
	77	102-105	.160	"	"	"		
	78	105-108	.140	"	"			
	79	108-111	.180	"	"			
	80	111-114	.230	"	"			
	81	114-117	.070	"	"	"		
	82	117-120	.026	"	"			
	83	120-123	.003	"	"			
	84	123-126	.001	"	"	"		
	85	126-129	.001	"	"			

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief
Douglas County, Nevada

CLAIM CC 7

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton		Date
CC 7-1	86	129-132	.003	<.05	<1.0			6-10-68
	87	132-135	.005	"	"	<.005		
	88	135-138	.026	"	"			
	89	138-141	.004	"	"			
	90	141-144	.110	"	"			
X	91	144-147	.020	"	"	"		
	92	147-150	.045	"	"			
	93	150-153	.025	"	"			
	94	153-156	.023	"	"	"		
	95	156-158	.011	"	"			
	102	158-161	.034	"	"			6-12-68
	103	161-164	.010	"	"			
	104	164-167	.005	"	"	"		
	105	167-170	.005	"	"			
	106	170-173	.010	"	"			
	107	173-176	.010	"	"			
	108	176-179	.430	"	"	"		
	109	179-181	.810	"	"			
	110	181-184	.965	"	"			
	111	184-187	.510	"	"			
	112	187-190	.577	"	"	"		

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief CLAIM CC 7

Douglas County, Nevada

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton		Date
CC 7-1	113	190-193	.065	<.05	<1.0			6-12-6
	114	193-196	.140	"	"			
	115	196-199	.180	"	"			
	116	199-202	.005	"	"	<.005		
	117	202-205	.010	"	"			
	118	205-208	.005	"	"			
	119	208-211	.005	"	"			
	120	211-214	.085	"	"	"		
	121	214-217	.005	"	"			
	122	217-220	.005	"	"			
	123	220-223	.022	"	"			
	124	223-226	.025	"	"	"		
	125	226-229	.100	"	"			
	126	229-232	.219	"	"			
	127	232-235	Nil	"	"			
	128	235-238	"	"	"	"		
	129	238-241	"	"	"			
	130	241-244	"	"	"			
	131	244-247	"	"	"			
	132	247-250	"	"	"	"		
	133	250-253	"	"	"			

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief
Douglas County, Nevada

CLAIM CC 7

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Aq Ton	oz/Au Ton		Date
CC 7-1	134	253-256	Nil	<.05	<1.0			6-12-68
	135	256-259	"	"	"			
	136	259-261	"	"	"	<.005		
	137	261-264	.042	"	"			
	138	264-267	Nil	"	"			
	139	267-270	.022	"	"			
	140	270-273	Nil	"	"	"		
	141	273-276	"	"	"			
	142	276-278	"	"	"			
	143	278-281	.002	<.005	"	"		6-14-68
	144	281-284	.002	"	"			
	145	284-287	.022	"	"			
	146	287-290	.002	"	"			
	147	290-293	.001	"	"	"		
	148	293-296	.003	"	"			
	149	296-299	.001	"	"			
	150	299-302	.001	"	"			
	151	302-305	.002	"	"	"		
	152	305-308	.001	"	"			
	153	308-311	.002	"	"			
	154	311-314	.002	"	"			

AMERICAN HYDROCARBON COMPANY

AREA Copper Chief
Douglas County, Nevada

CLAIM CC 7

Hole Number	Sample Number	Interval	% Cu	% Mo	oz/Ag Ton	oz/Au Ton		Date
CC 7-1	155	314-317	.002	<.005	<1.0	<.005		6-14-68
	156	317-320	.001	"	"			
	157	320-323	.002	"	"			
	158	323-326	.002	"	"			
	159	326-329	.059	"	"	"		
	160	329-332	.016	"	"			
	161	332-335	.003	"	"			
	162	335-338	.003	"	"			
	163	338-341	.003	"	"	"		
	164	341-344	.003	"	"			
	165	344-347	.002	"	"			
	166	347-350	.086	"	"			
	167	350-353	.003	"	"	"		
	168	353-356	.002	"	"			
	169	356-359	.036	"	"			
	170	359-362	.085	"	"			
	171	362-365	.013	"	"	"		
	172	365-368	.003	"	"			
	173	368-371	.003	"	"			
	174	371-374	.002	"	"			
	175	374-377	.003	"	"	"		

APPENDIX — SAMPLE DESCRIPTIONS - PDCC-3

Number	Type	Geochem (PPM) or Assay Mo	Pb	Zn	Cu	Rock and Description
0-10'	*	10	--	--	975	
10'-20'	*	1	--	--	140	
20'-30'	*	5	--	--	165	
30'-40'	*	6	--	--	180	
40'-50'	*	10	--	--	180	
50'-60'	O *	3	--	-	280	Propylitized diorite porphyry albitized plagioclase, chloritized secondary calcite and sericite.
60'-70'	*	24	--	--	265	
70'-80'	*	2	--	--	105	
80'-90'	*				305	
90'-100'	*				55	

Δ = Hand Lens Description = Binocular Microscope, O = Thin Section Solid for Geochem or Assay

- denotes less than * = Core

APPENDIX — SAMPLE DESCRIPTIONS - PDCC-3

Number	Type	Geochem (PPM) or Assay							Rock and Description
		Mo	Pb	Zn	Cu				
100'-110'	○ *				55				Propylitized diorite porphyry, albitized plagioclase, chlorite, secondary calcite and sericite, pyrite and magnetite
110'-120'	*				115				
120'-130'	*				100				
130'-140'	*				135				
140'-150'	○ *				135				Trashy dacite (see description pg. 15)
150'-160'	*				105				
160'-170'	*				135				
170'-180'	○ *				90				Porphyritic trachyandesite, albitized plagioclase, pervasive sericite & calcite, pyrite (depth at 175')
180'-190'	○ *				200				Trashy dacite (see description pg. 15)
190'-200'	○ *				20				Porphyritic trachyandesite, albitized plagioclase, pervasive sericite & calcite, pyrite (depth at 197')

Δ = Hand Lens Description, □ = Binocular Microscope, ○ = Thin Section; Solid for Geochem or Assay

- denotes less than * = Core

APPENDIX — SAMPLE DESCRIPTIONS - PDCC-3

Number	Type	Geochem (PPM) or Assay Mo	Pb	Zn	Cu				Rock and Description
200'-210'	*				15				
210'-220'	*				15				
220'-230'	*				185				
230'-240'	O *				1.85%				Diorite, chlorite, secondary sericite and calcite (see description pg. 16)
240'-250'	*				3.40%				
250'-260'	O *				1.25%				Propylitized micro-diorite, chloritized secondary calcite and sericite albitized plagioclase, pyrite and magnetite
260'-270'	*				0.90%				
270'-280'	O *				0.18%				Dacite, strong secondary calcite and sericite, intense epizonal hydrothermal alteration (see description pg. 17)
280'-290'	*				315				
290'-300'	*				195				

230' - 270' = 40' averaging 1.85% Cu

Δ = Hand Lens Description, □ = Binocular Microscope, O = Thin Section; Solid for Geochem or Assay

- denotes less than * = Core

APPENDIX — SAMPLE DESCRIPTIONS - PDCC-3

Number	Type	Geochem (PPM) or Assay							Rock and Description
		Mo	Pb	Zn	Cu				
300'-310'	○ *				170				Silty argillite, some chlorite, secondary calcite and sericite (hydrothermal alteration)
310'-320'	○ *				170				Trashy volcanic rock, secondary calcite and sericite, strong epizonal hydrothermal alteration (see description pg. 18)
320'-330'	*				515				
330'-340'	*				230				
340'-350'	*				170				
350'-360'	○ *				155				Silty argillite, some chlorite, secondary calcite and sericite (hydrothermal alteration) chalcedony
360'-370'	*				95				
370'-380'	*				100				
380'-390'	○ *				65				Trashy dacite, secondary calcite and sericite (see description pg. 19)
390'-400'	○ *				435				Trashy dacite (see description pg. 20)

Δ = Hand Lens Description, □ = Binocular Microscope, ○ = Thin Section; Solid for Geochem or Assay

* = Core

APPENDIX — SAMPLE DESCRIPTIONS - PDCC-3

Number	Type	Geochem (PPM) or Assay Mo	Pb	Zn	Cu				Rock and Description
400'-410'	○ *				0.32%				Silty argillite, some chlorite, secondary calcite and sericite (hydrothermal alteration)
410'-420'	○ *				65				Trashy dacite (see description pg. 20)
420'-430'	*				40				
430'-440'	○ *				5				Trashy dacite (see description pg. 20)
440'-450'	○ *				130				Trashy volcanic rock (see description page 21)
450'-460'	○ *				45				Silty argillite, some chlorite, secondary calcite and sericite (hydrothermal alteration)
460'-470'	*				30				
470'-480'	*				30				
480'-490'	○ *				65				Trashy dacite (see description pg. 22)
490'-500'	*				5				

Δ = Hand Lens Description, □ = Binocular Microscope, ○ = Thin Section; Solid for Geochem or Assay

* = Core

AMERICAN HYDROCARBON COMPANY
RESEARCH CENTER
2065 WEST 1700 SOUTH
SALT LAKE CITY, UTAH 84104

June 3, 1971

Skyline Oil Company
418 Atlas Building
Salt Lake City, Utah 84102

CERTIFICATE OF ANALYSIS

Number of Samples: 99 Work Order No: 287

Submitted by: Page: 1 of 3 pgs

Analyze for: % Cu Date Received: 6-1-71

Comments: CC 71-11 Charges: $222.75

Sample Number	Footage	Core Length	% Cu
1	0-5	18"	0.05
2	5-10	18"	0.06
3	10-12	18"	0.06
4	12-14	20"	0.10
5	14-16	24"	0.02
6	16-18	24"	< 0.02
7	18-20	24"	< 0.02
8	20-22	24"	< 0.02
9	22-24	24"	0.03
10	24-26	24"	< 0.02

CC 71-11 continued

Sample Number	Footage	Core Length	% Cu
11	$26-27^{5}$	24"	< 0.02
12	$27^{5}-29^{5}$	24"	< 0.02
13	$29^{5}-31^{5}$	24"	< 0.02
14	$31^{5}-33^{5}$	24"	< 0.02
15	$33^{5}-35^{5}$	30"	< 0.02
16	$35^{5}-36^{5}$	18"	< 0.02
17	$36^{5}-38^{5}$	24"	0.05
18	$38^{5}-41^{1}$	28"	0.07
19	$41^{1}-43$	28"	0.12
20	$43-44^{5}$	36"	0.05
21	$44^{5}-46$	20"	0.06
22	46-48	28"	0.06
23	48-50	24"	0.03
24	50-51	24"	0.03
25	51-53	24"	0.02
26	53-55	30"	0.03
27	$55-57^{5}$	30"	0.02
28	$57^{5}-60$	28"	0.05
29	60-62	24"	0.13
30	62-64	24"	0.04
31	$64-66^{5}$	36"	0.03

CC 71-11 Continued

Sample Number	Footage	Core Length	% Cu
32	66^5-68^5	24"	< 0.02
33	68^5-70^8	30"	< 0.02
34	70^8-72^8	24"	< 0.02
35	72^8-74	24"	0.02
36	74-76	24"	0.03
37	76-78	24"	0.12
38	78-79^5	24"	0.05
39	79^5-81	24"	0.03
40	81-83	24"	0.02
41	83-84^8	24"	< 0.02
42	84^8-86^8	24"	< 0.02
43	86^8-88^5	24"	< 0.02
44	88^5-90^5	24"	0.03
45	90^5-92^5	24"	0.02
46	92^5-94^5	24"	< 0.02
47	94^5-95^5	24"	< 0.02
48	95^5-97^5	28"	< 0.02
49	97^5-99	24"	< 0.02
50	99-100	16"	< 0.02

AMERICAN HYDROCARBON COMPANY

James S. Thomas
Chief Chemist

All values are reported in part per million unless otherwise specified
ND - means none detected. Values in parenthesis are estimated

AMERICAN HYDROCARBON COMPANY
RESEARCH CENTER
2065 WEST 1700 SOUTH
SALT LAKE CITY, UTAH 84104

May 5, 1971

Skyline Oil Company

418 Atlas Building

Salt Lake City, Utah 84101

CERTIFICATE OF ANALYSES

Number of Samples: 69

Work Order No. 272

Submitted by:

Page: 1 of 4 pages

Analyze for: % Cu, % Oxide Cu

Date Received : 4-30-71

Comments: CC-71-7

Charges: $163.25

Sample Number	Footage	Core Length	% Cu	% Oxide Cu
1	0-2		0.02	
2	2-4		0.08	
3	4-6		0.08	
4	6-8	6"	0.08	
5	8-9	6"	0.06	
6	9-10	6"	0.02	
7	10-11	6"	0.02	
8	11-12		0.02	
9	12-13		0.12	
10	13-18	18"	0.24	

Sample Number	Footage	Core Length	% Cu	% Oxide Cu
11	18-20	6"	0.14	
12	20-21		0.17	
13	21-22	24"	0.26	
14	22-24		0.54	
15	24-25	18"	0.21	
16	25-26	18"	0.34	
17	26-27		0.14	
18	27-28	22"	0.35	
19	28-29		3.70	
20	29-30		3.85	1.61
21	30-31	8"	1.99	
22	31-32	8"	1.91	
23	32-33		1.17	
24	33-34		0.93	
25	34-36	16"	0.82	
26	36-37	8"	1.88	
27	37-38	24"	1.69	
28	38-39		1.67	0.80
29	39-40	8"	0.94	
30	40-41		0.60	
31	41-42		0.41	
32	42-43	18"	0.17	
33	43-44		0.24	
34	44-46	18"	0.09	

Sample Number	Footage	Core Length	% Cu	% Oxide Cu
35	46-47		0.06	
36	47-48		0.09	
37	48-49		0.13	
38	49-50	18"	0.27	
39	50-51	18"	0.01	
40	51-52		<0.01	
41	52-53		<0.01	
42	53-54		<0.01	
43	54-55		<0.01	
44	55-56		0.01	
45	56-57		0.01	
46	57-58		0.02	
47	58-59		1.20	0.44
48	59-60		0.96	
49	60-61	18"	0.14	
50	61-62		0.22	
51	62-63		0.06	
52	63-64		0.03	
53	64-65		0.03	
54	65-66	18"	0.01	
55	66-67	18"	0.01	
56	67-68		0.01	
57	68-70	18"	0.01	
58	70-72		<0.01	

Sample Number	Footage	Core Length	% Cu	% Oxide Cu
59	72-74		0.01	
60	74-75	12"	0.19	
61	75-77		0.08	
62	77-79	30"	0.16	
63	79-81		0.01	
64	81-83		0.25	
65	83-85		0.01	
66	85-87		0.06	
67	87-89		1.08	
68	89-91		1.74	0.01
69	91-93	30"	0.91	

AMERICAN HYDROCARBON COMPANY

Byron B. Thomas
Chief Chemist

All values are reported in parts per million unless otherwise specified
ND - means none detected
Values in parenthesis are estimated

AMERICAN HYDROCARBON COMPANY
RESEARCH CENTER
2065 WEST 1700 SOUTH
SALT LAKE CITY, UTAH 84104

June 3, 1971

Skyline Oil Company

418 Atlas Building

Salt Lake City, Utah 84102

CERTIFICATE OF ANALYSIS

Number of Samples: 99 Work Order No: 287

Submitted by: Page: 1 of 3 pa

Analyze for: % Cu Date Received: 6-1-71

Comments: CC 71-5 Charges: $222.75

Sample Number	Footage	Core Length	% Cu
1	0-3^{4}	24"	< 0.01
2	3^{4}-6^{8}	24"	< 0.01
3	6^{8}-10	24"	< 0.01
4	10-12	24"	< 0.01
5	12-14	24"	< 0.01
6	14-16	24"	< 0.01
7	16-18	24"	< 0.01
8	18-20	24"	< 0.01
9	20-22	24"	< 0.01

CC 71-5 continued

Sample Number	Footage	Core Length	% Cu
10	22-24	24"	< 0.01
11	24-26	24"	< 0.01
12	26-28	24"	< 0.01
13	28-31	24"	0.09
14	31-34	24"	1.02
15	34-36	24"	1.19
16	36-38	24"	0.86
17	38-40	24"	0.61
18	40-42	24"	0.24
19	42-43	12"	0.16
20	43-45	36"	0.20
21	45-47	24"	0.11
22	47-49	24"	0.89
23	49-52	24"	0.16
24	52-54	24"	0.09
25	54-56	24"	0.08
26	56-58	24"	0.10
27	58-60	24"	0.08
28	60-62	24"	0.07
29	62-64	24"	0.05
30	64-66	24"	< 0.01

CC 71-5 continued

Sample Number	Footage	Core Length	% Cu
31	$66-67^{6}$	24"	< 0.01
32	$67^{6}-69$	24"	0.37
33	69-71	24"	< 0.01
34	71-73	24"	< 0.01
35	73-75	24"	0.20
36	$75-76^{6}$	24"	< 0.01
37	$76^{6}-78$	24"	< 0.01
38	78-80	24"	< 0.01

AMERICAN HYDROCARBON COMPANY

Chief Chemist

All values are reported in part per million unless otherwise specified.
ND - means none detected
Values in parenthesis are estimated

AMERICAN HYDROCARBON COMPANY
RESEARCH CENTER
2065 WEST 1700 SOUTH
SALT LAKE CITY, UTAH 84104

June 10, 1971

Skyline Oil Company
418 Atlas Building
Salt Lake City, Utah 84102

CERTIFICATE OF ANALYSIS

Number of Samples:	36	Work Order No.:	293
Submitted by:		Page:	1 of 3
Analyze for:	% Cu and %OxCu	Date Received:	6-9-71
Comments:	CC 71-D-3 and CC 71-D-5	Charges:	$135.00

CC 71-D-3

Sample No.	Footage	% Cu	% OxCu
1	0- 5	0.36	0.12
2	5-10	0.23	0.14
3	10-15	0.18	0.10
4	15-20	2.00	1.06
5	20-25	0.95	0.62
6	25-30	2.08	1.35
7	30-35	0.57	0.30

Sample No.	Footage	% Cu	% OxCu
8	35-40	0.85	0.17
9	40-45	0.60	0.38
10	45-50	0.25	0.12
11	50-55	1.43	0.84
12	55-60	2.28	1.45
13	60-65	2.29	1.3[illegible]
14	65-70	1.16	0.70
15	70-75	0.57	0.29
16	75-80	0.47	0.12
17	80-85	0.39	0.06
18	85-90	1.09	0.05

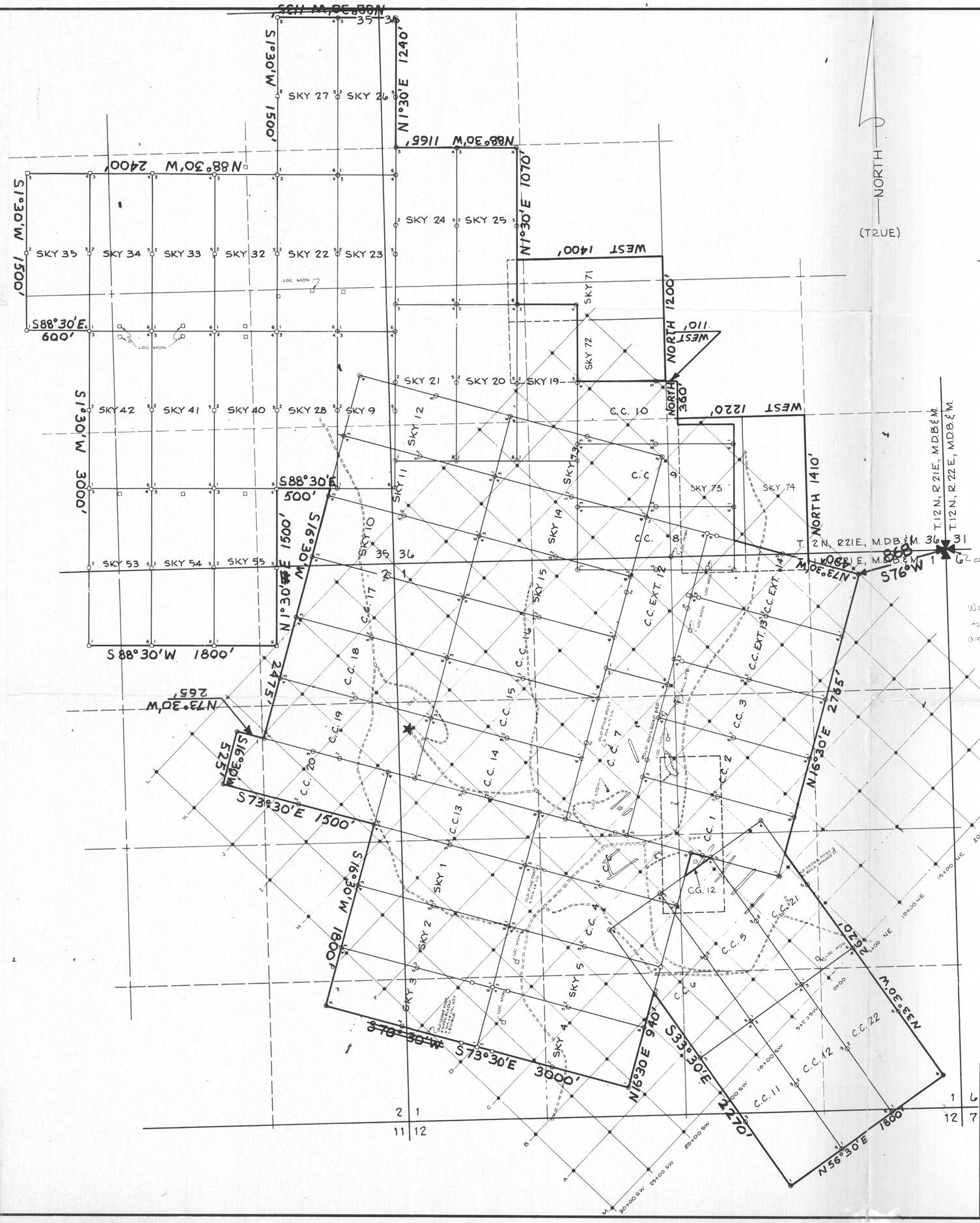
CC 71-D-5

1	0- 5	0.52	0.28
2	5-10	0.38	0.23
3	10-15	0.64	0.35
4	15-20	0.89	0.57
5	20-25	1.79	1.25
6	25-30	1.14	0.80
7	30-35	0.90	0.62
8	35-40	0.51	0.32

Sample No.	Footage	% Cu	% OxCu
9	40-45	0.08	0.06
10	45-50	1.29	0.94
11	50-55	0.93	0.68
12	55-60	0.39	[illegible]
13	60-65	1.14	0.11
14	65-70	0.16	0.07
15	70-75	0.09	0.04
16	75-80	0.13	0.04
17	80-90	1.36	0.03
18	90-100	0.29	0.03

AMERICAN HYDROCARBON COMPANY

Chief Chemist



CLAIMS SHOWN ON MAP

COPPER CHIEF

COPPER CHIEF 1-22

COPPER CHIEF EXT. 12-14

SKY 1-5, 9-15, 19-23, 32-35, 40-42, 53-55, 71-74

COPPER GEM 12

CLAIMS VARIOUSLY LOCATED ON: JULY 8, 1942; MAY 6, 23, 1967; SEPT. 1, 2, 4, 7, 8, 1967; OCT. 13, 14, 15, 1967; JULY 30, 31, 1968

#60924

Recorded at Request of Skyline Oil Company
On August 4 1972 At ..... to Min. Past 11 A M
Official Records of Douglas County, Nevada. Fee $10.00 pd

Patricia J. Stanley, Recorder. By [signature] Deputy Recorder

Book 103 page 726

SKYLINE OIL COMPANY

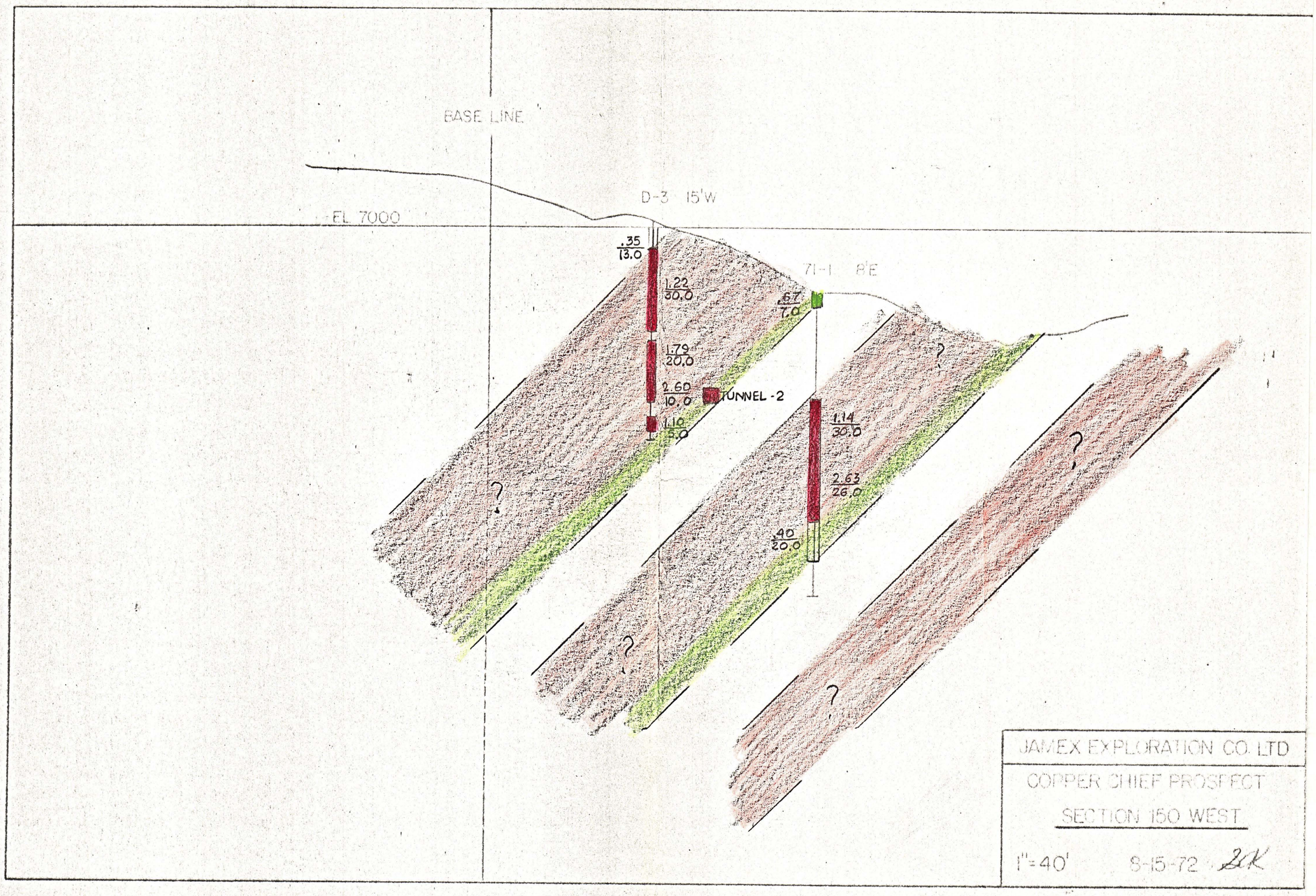
418 ATLAS BLDG., SALT LAKE CITY, UTAH 84101

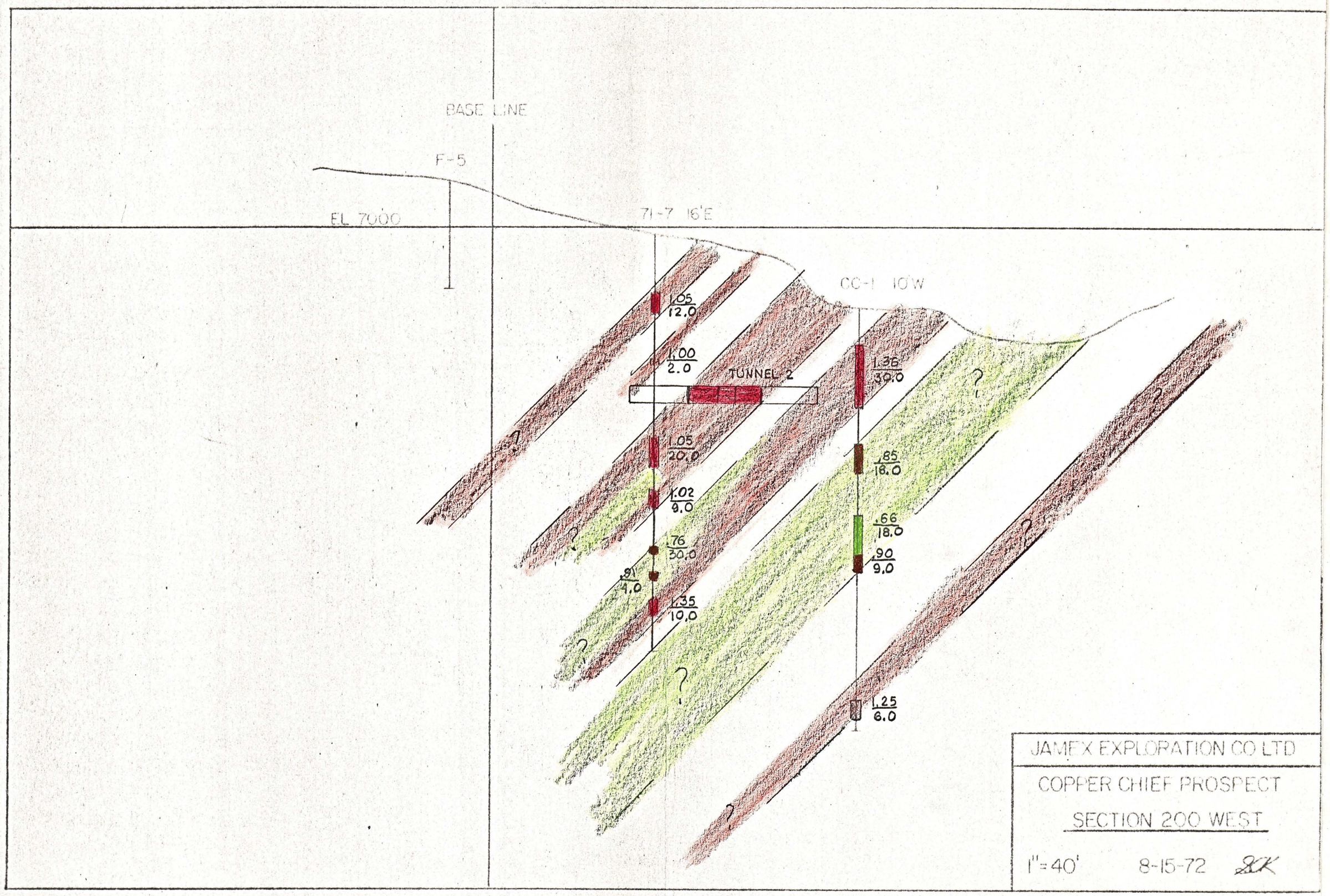
COPPER CHIEF AND SKY LODE CLAIMS

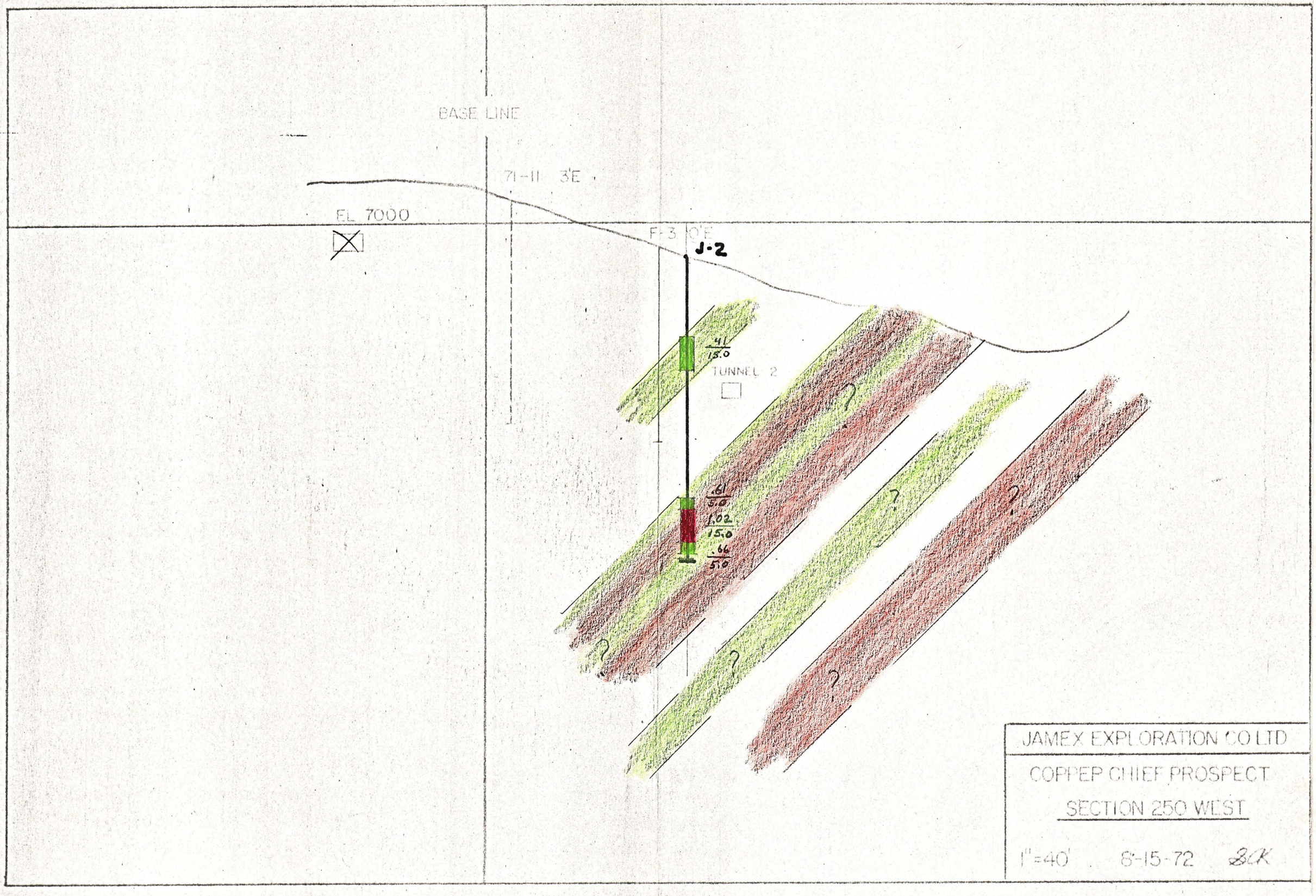
LOCATED IN: SECTIONS 1, 2, 3 & 12, T.11N., R.21 E., M.D.B.&M.
6, T.11N., R.22 E., M.D.B.&M.
34, 35 & 36, T.12N., R.21 E., M.D.B.&M.

PINENUT MINING DISTRICT

DOUGLAS COUNTY, NEVADA


BASE LINE
EL 7000
D-3 15'W
71-1 8'E
.35
13.0
1.22
30.0
1.79
20.0
2.60
10.0
1.10
5.0
TUNNEL-2
.67
7.0
1.14
30.0
2.63
26.0
.40
20.0
?
JAMEX EXPLORATION CO. LTD
COPPER CHIEF PROSPECT
SECTION 150 WEST
1"=40'
8-15-72


BASE LINE
F-5
EL 7000
71-7 16'E
CC-1 10'W
1.05
12.0
1.00
2.0
TUNNEL 2
1.05
20.0
1.02
9.0
.76
30.0
.91
4.0
1.35
10.0
1.36
30.0
.85
18.0
.66
18.0
.90
9.0
1.25
6.0
?
JAMEX EXPLORATION CO LTD
COPPER CHIEF PROSPECT
SECTION 200 WEST
1"=40'
8-15-72


BASE LINE
71-11 3'E
EL 7000
F-3 O'E
J-2
41
15.0
TUNNEL 2
.61
5.0
1.02
15.0
.66
5.0
?
JAMEX EXPLORATION CO LTD
COPPER CHIEF PROSPECT
SECTION 250 WEST
1"=40'
8-15-72
SCK

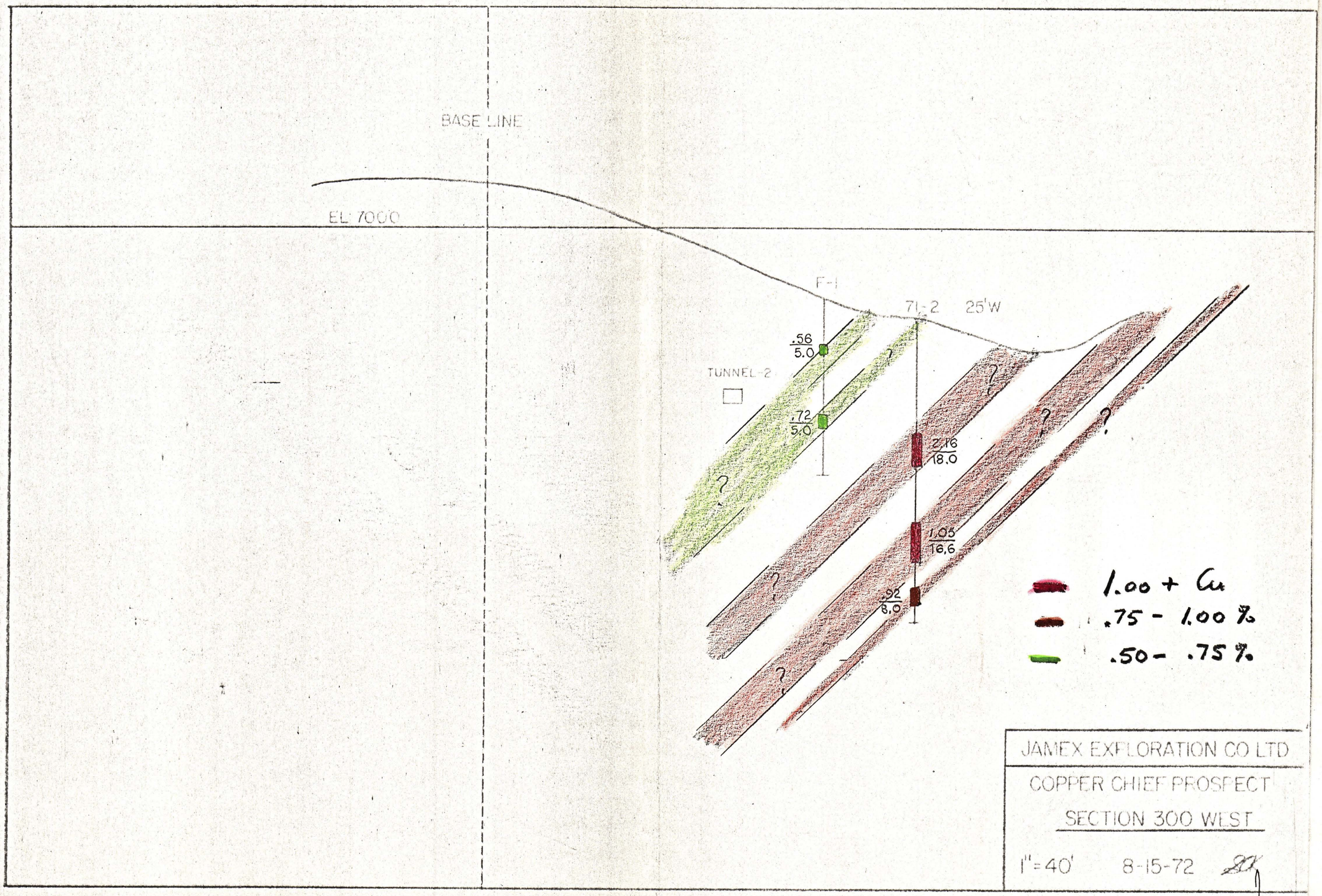
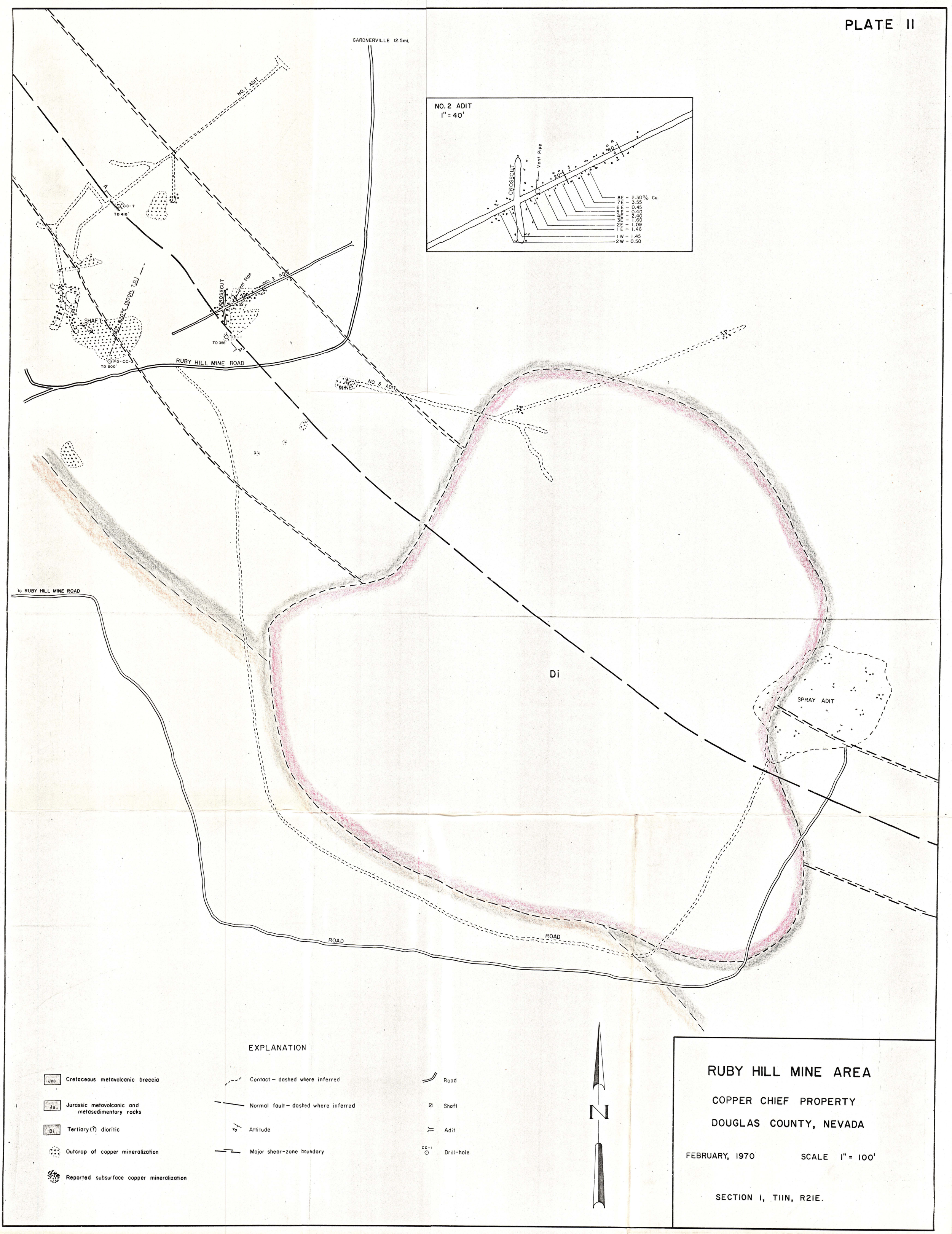
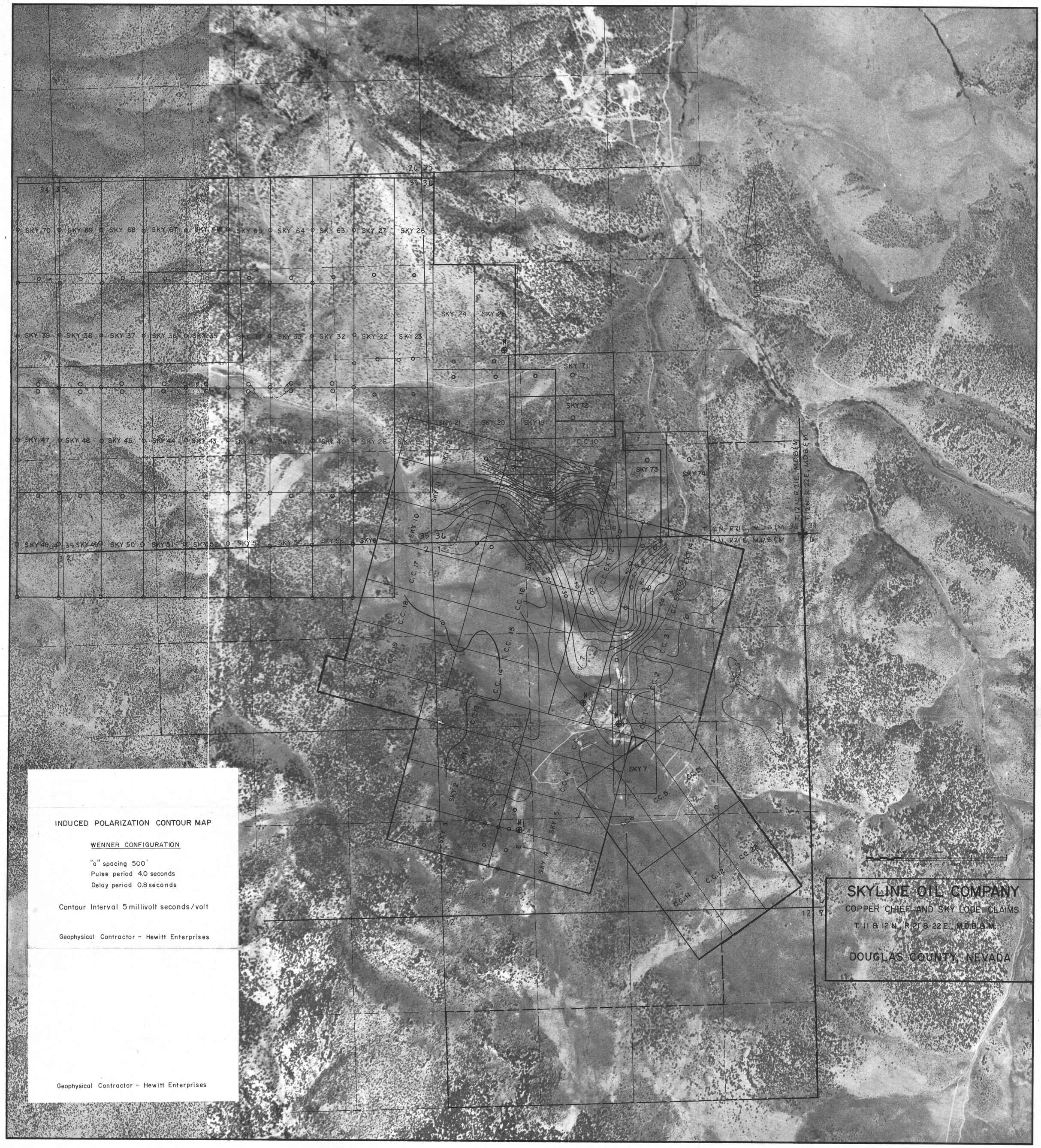
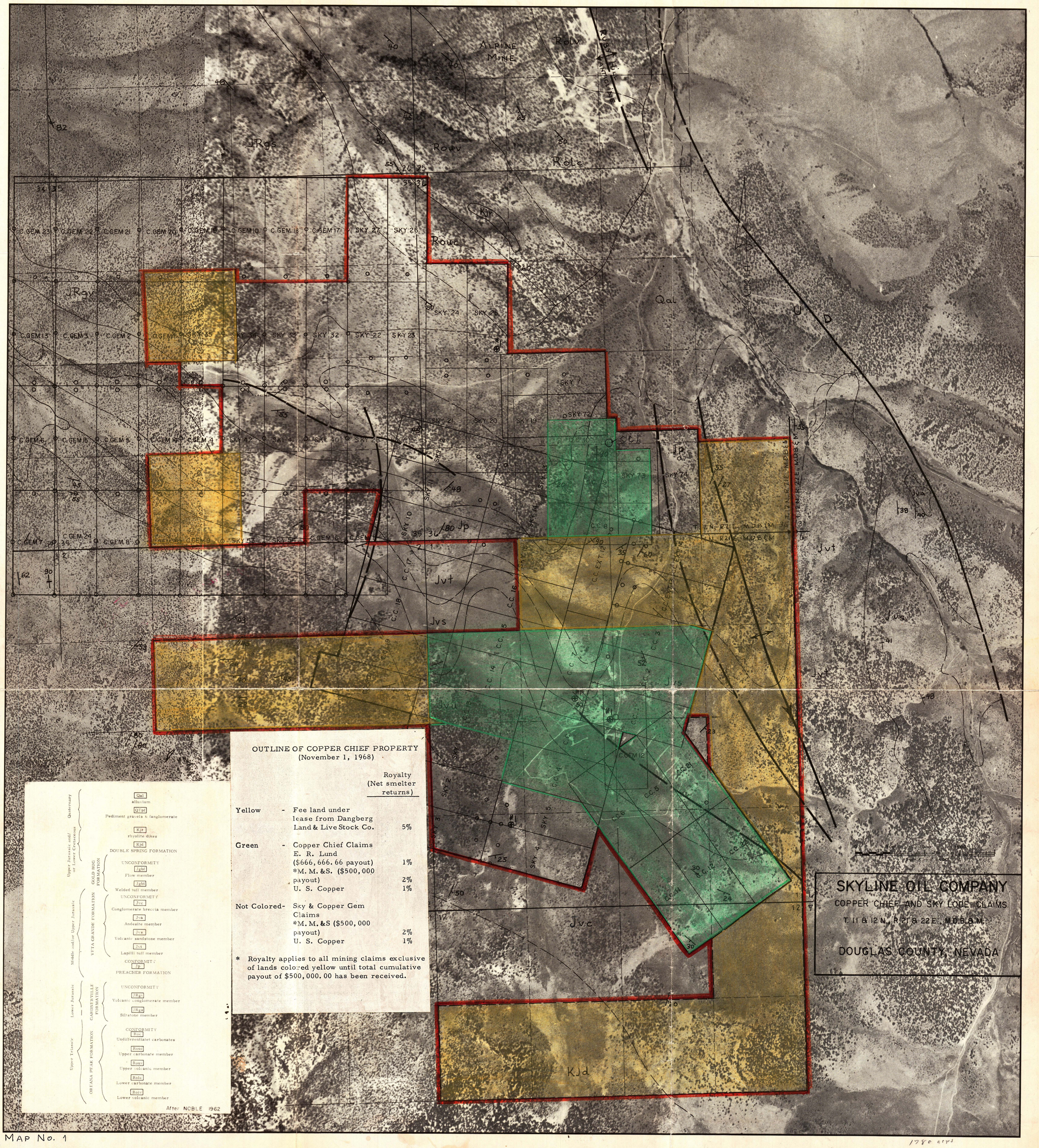

BASE LINE
EL 7000
F-1
71-2
25'W
.56
5.0
TUNNEL-2
.72
5.0
2.16
18.0
1.05
16.6
.92
8.0
1.00 + Cu
.75 - 1.00 %
.50 - .75 %
JAMEX EXPLORATION CO LTD
COPPER CHIEF PROSPECT
SECTION 300 WEST
1"=40'
8-15-72

PLATE II

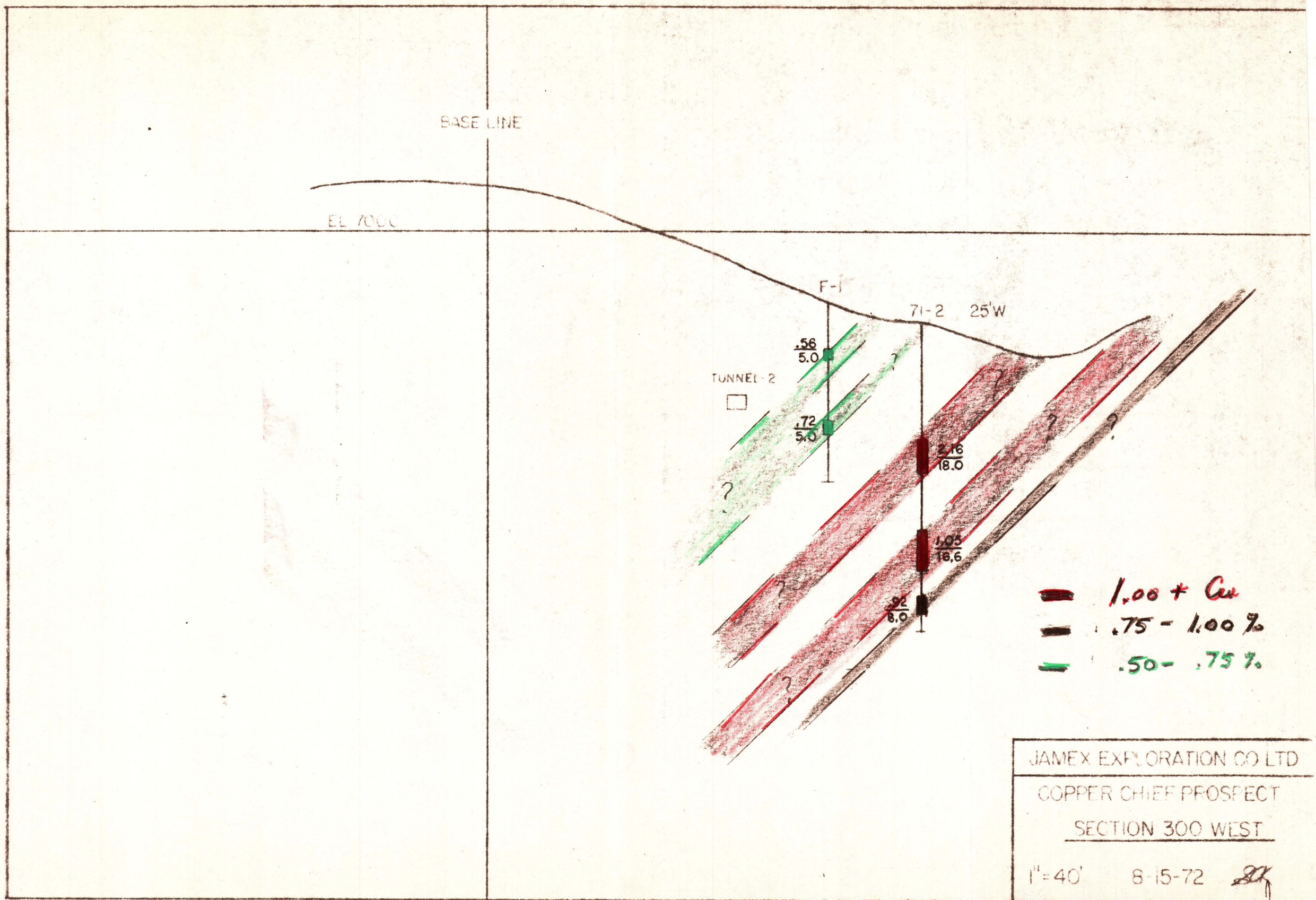

GARDNERVILLE 12.5mi.
NO. 1 ADIT
CC-7
TD 410'
SHAFT
60° N20°E (500ft T.D.)
PD-CC-3
TD 500'
CROSSCUT
Vent Pipe
NO. 2 ADIT
40'
20'
CC-1
TD 358'
RUBY HILL MINE ROAD
MINE
NO. 3 ADIT
NO. 2 ADIT
1" = 40'
CROSSCUT
Vent Pipe
20'
40'
8E - 2.30% Cu.
7E - 3.55
6E - 0.45
5E - 0.40
4E - 2.40
3E - 1.60
2E - 1.09
1E - 1.46
1W - 1.45
2W - 0.50
to RUBY HILL MINE ROAD
Di
SPRAY ADIT
ROAD
ROAD
EXPLANATION
Jvc Cretaceous metavolcanic breccia
Ju Jurassic metavolcanic and metasedimentary rocks
Di Tertiary (?) dioritic
Outcrop of copper mineralization
Reported subsurface copper mineralization
Contact – dashed where inferred
Normal fault – dashed where inferred
Attitude
Major shear-zone boundary
Road
Shaft
Adit
CC-1 Drill-hole
N
RUBY HILL MINE AREA
COPPER CHIEF PROPERTY
DOUGLAS COUNTY, NEVADA
FEBRUARY, 1970
SCALE 1" = 100'
SECTION 1, T11N, R21E.

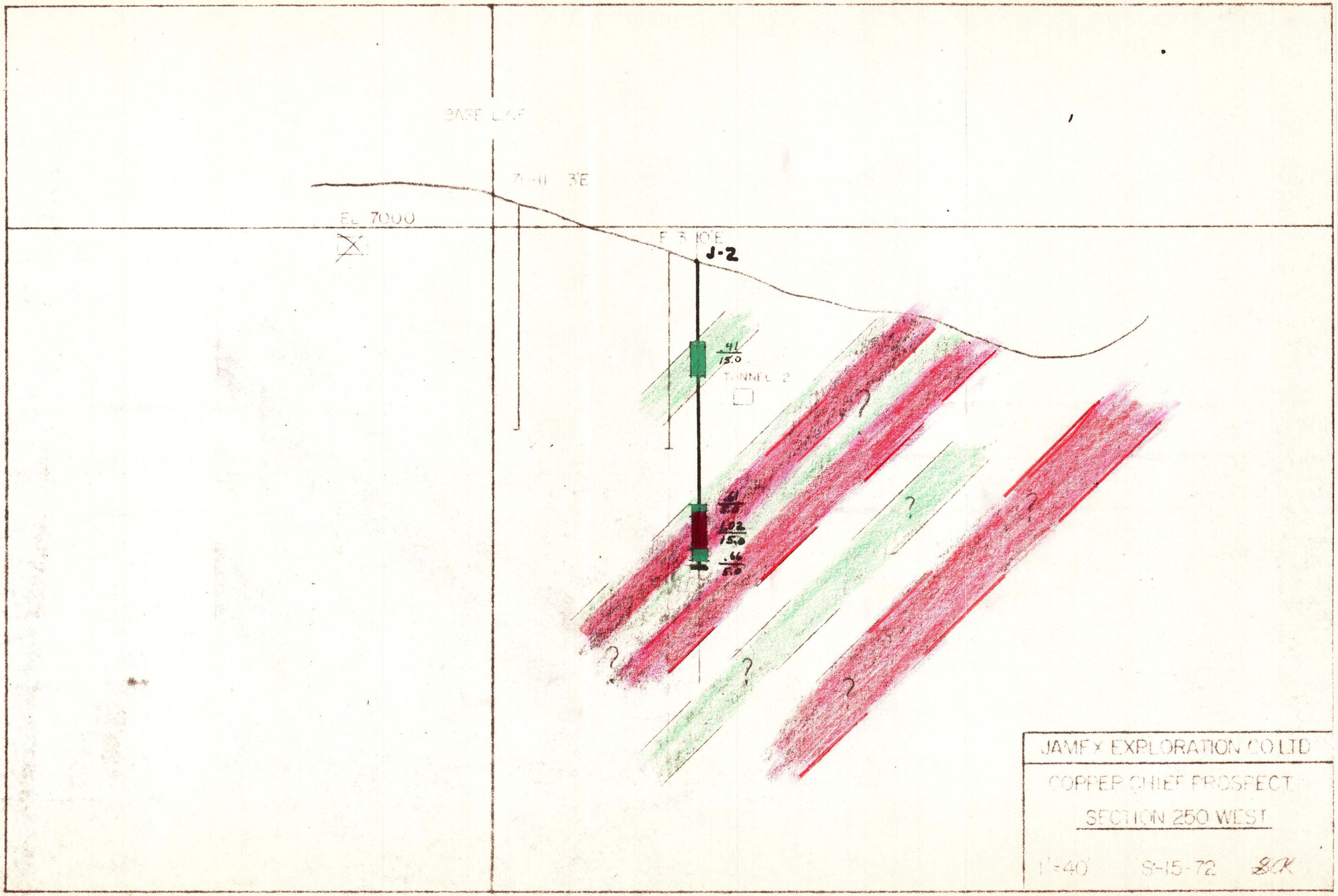

INDUCED POLARIZATION CONTOUR MAP
WENNER CONFIGURATION
"a" spacing 500'
Pulse period 4.0 seconds
Delay period 0.8 seconds
Contour Interval 5 millivolt seconds/volt
Geophysical Contractor - Hewitt Enterprises
Geophysical Contractor - Hewitt Enterprises
SKYLINE OIL COMPANY
COPPER CHIEF AND SKY LODE CLAIMS
T. 11 & 12 N., R. 21 & 22 E., M.D.B.&M.
DOUGLAS COUNTY, NEVADA
NORTH
T. 12 N., R. 21 E., M.D.B.&M.
T. 12 N., R. 22 E., M.D.B.&M.
T. 11 N., R. 21 E., M.D.B.&M.
SKY 70
SKY 69
SKY 68
SKY 67
SKY 66
SKY 65
SKY 64
SKY 63
SKY 27
SKY 26
SKY 24
SKY 25
SKY 39
SKY 38
SKY 37
SKY 36
SKY 35
SKY 34
SKY 33
SKY 32
SKY 22
SKY 23
SKY 71
SKY 72
SKY 21
SKY 20
SKY 19
SKY 47
SKY 46
SKY 45
SKY 44
SKY 43
SKY 42
SKY 41
SKY 40
SKY 28
SKY 9
SKY 12
SKY 73
SKY 74
SKY 11
SKY 10
SKY 48
SKY 49
SKY 50
SKY 51
SKY 52
SKY 53
SKY 54
SKY 55
SKY 6
SKY 7
SKY 1
SKY 2
SKY 3
SKY 4
SKY 5
C.C. 1
C.C. 2
C.C. 3
C.C. 4
C.C. 5
C.C. 6
C.C. 7
C.C. 8
C.C. 10
C.C. 11
C.C. 12
C.C. 13
C.C. 14
C.C. 15
C.C. 16
C.C. 17
C.C. 18
C.C. 19
C.C. 20
C.C. 21
C.C. 22
C.C. EXT. 12
C.C. EXT. 13
C.C. EXT. 14
LOG MON.



MAP No. 1

1780 acres


BASE LINE
EL 7000
F-1
71-2 25'W
.56
5.0
TUNNEL-2
.72
5.0
2.16
18.0
1.05
16.6
.92
8.0
1.00 + Cu
.75 - 1.00 %
.50 - .75 %
JAMEX EXPLORATION CO LTD
COPPER CHIEF PROSPECT
SECTION 300 WEST
1"=40'
8-15-72


BASE LINE
7+41 3'E
EL 7000
F 3 10'E
J-2
41/15.0
TUNNEL 2
41/5.0
102/15.0
66/5.0
?
JAMEX EXPLORATION CO LTD
COPPER CHIEF PROSPECT
SECTION 250 WEST
1"=40'
5-15-72
BCK

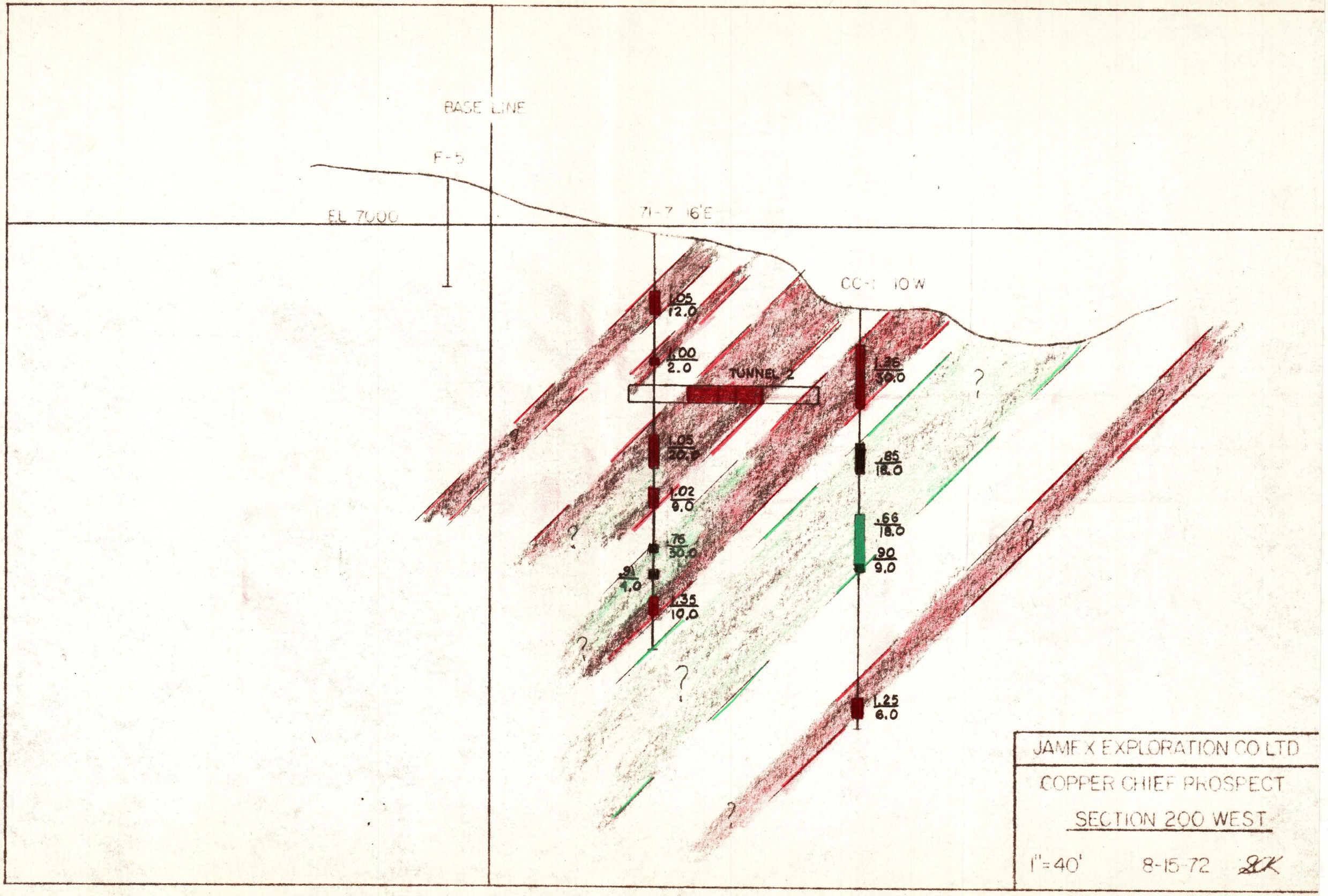
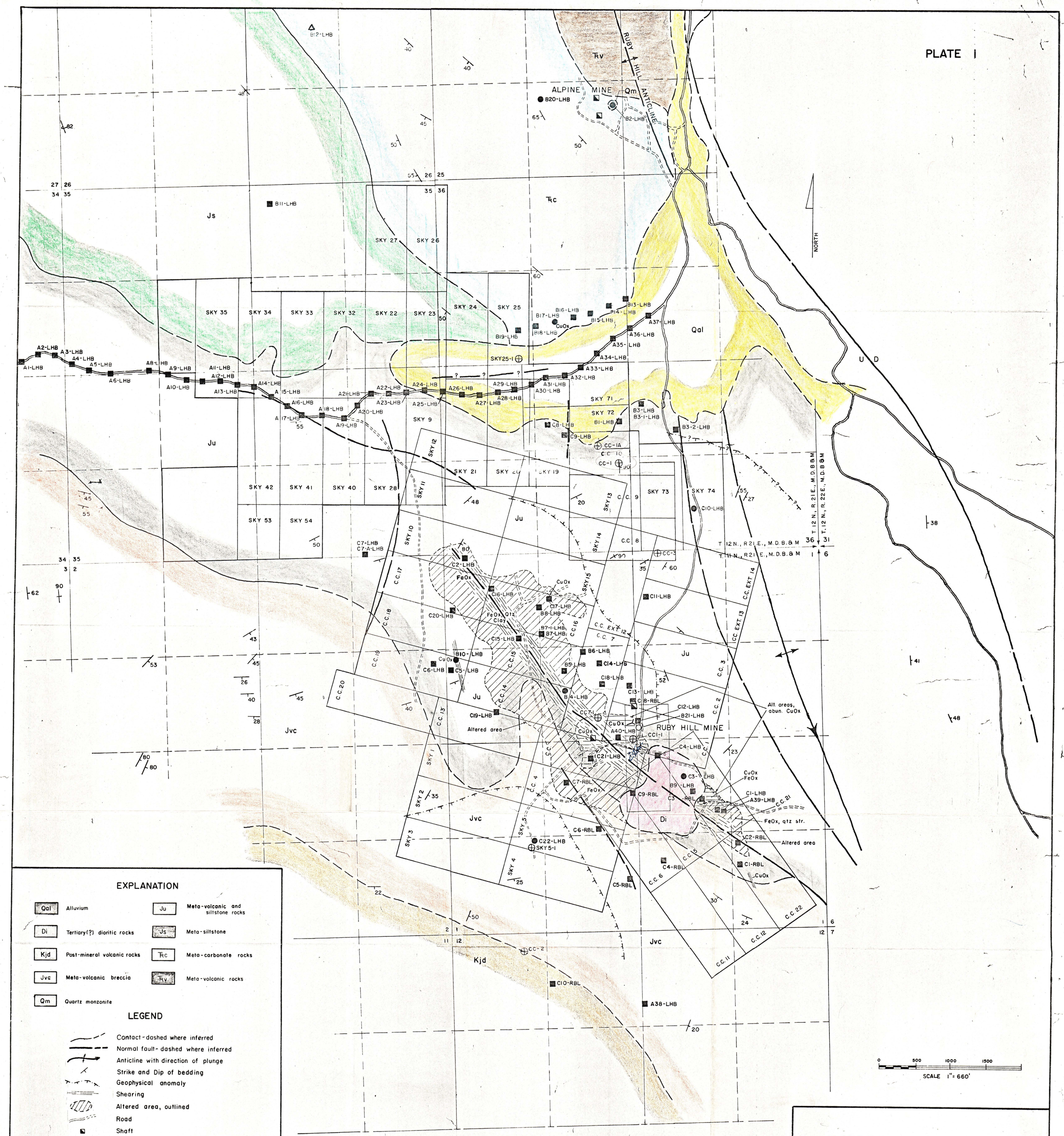

BASE LINE
F-5
EL 7000
71-7 16'E
CC-1 10W
1.05
12.0
1.00
2.0
TUNNEL 2
1.36
30.0
1.05
20.0
.85
18.0
1.02
9.0
.66
18.0
.76
30.0
.90
9.0
.91
4.0
1.35
10.0
1.25
6.0
?
JAMEX EXPLORATION CO LTD
COPPER CHIEF PROSPECT
SECTION 200 WEST
1"=40'
8-15-72

PLATE I



EXPLANATION

Qal	Alluvium	Ju	Meta-volcanic and siltstone rocks
Di	Tertiary(?) dioritic rocks	Js	Meta-siltstone
Kjd	Post-mineral volcanic rocks	Tc	Meta-carbonate rocks
Jvc	Meta-volcanic breccia	Tv	Meta-volcanic rocks
Qm	Quartz monzonite		

LEGEND

- Contact-dashed where inferred
- Normal fault-dashed where inferred
- Anticline with direction of plunge
- Strike and Dip of bedding
- Geophysical anomaly
- Shearing
- Altered area, outlined
- Road
- Shaft
- Adit
- Drill hole

SAMPLE IDENTIFICATION

- △ Field
- □ Binocular microscope
- ○ Thin section

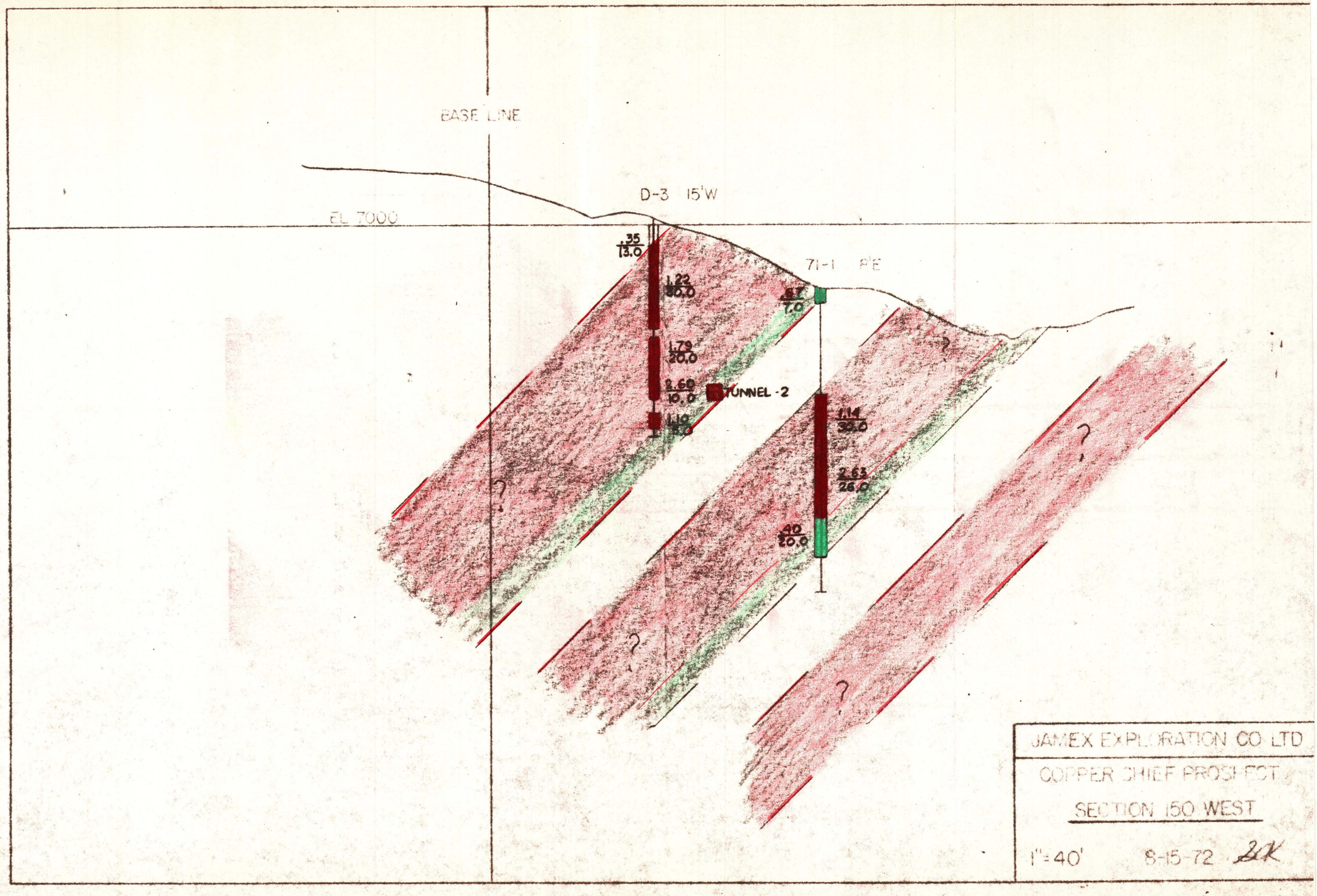
Note: solid symbol where sample was analysed geochemically

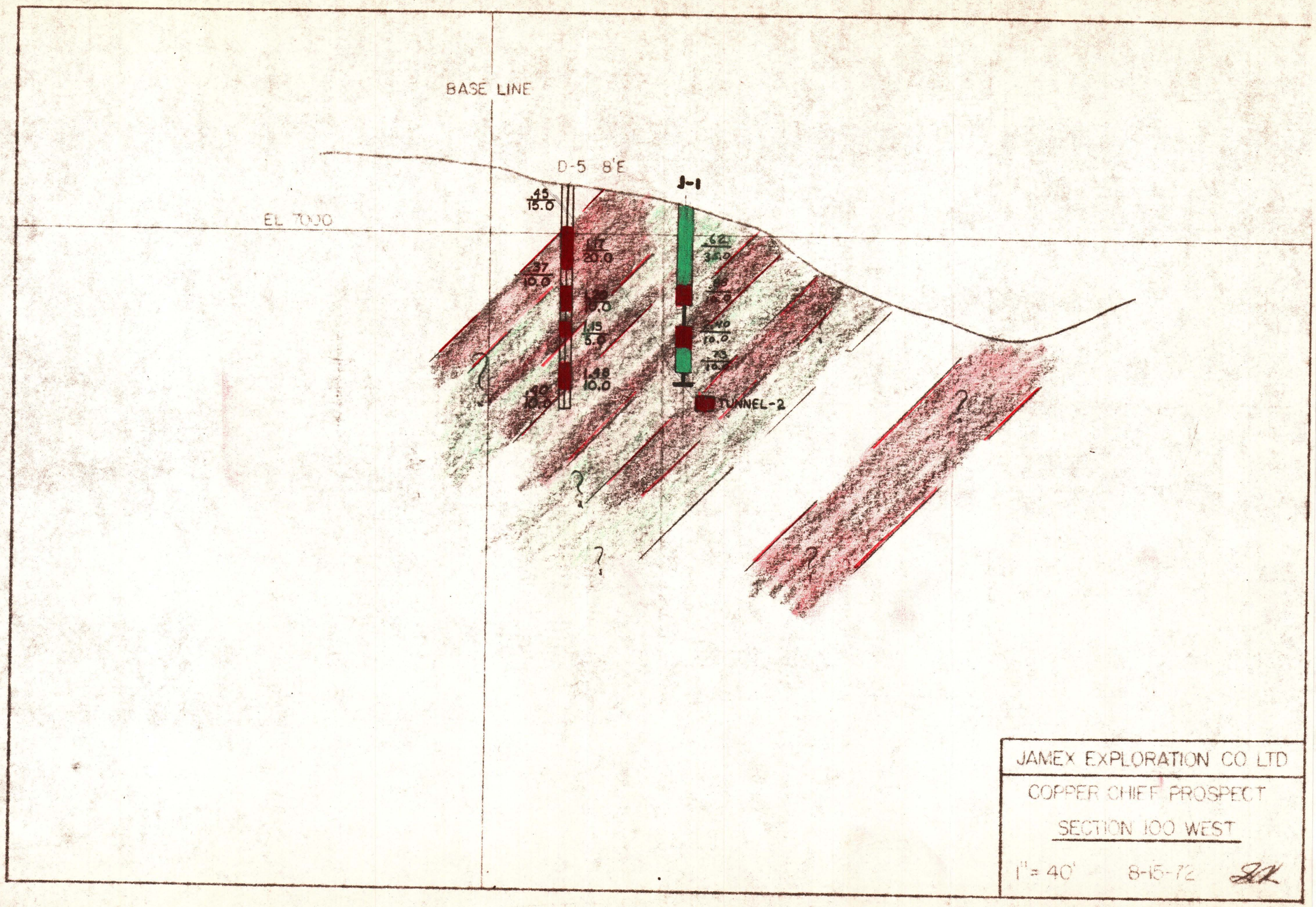
COPPER CHIEF PROPERTY

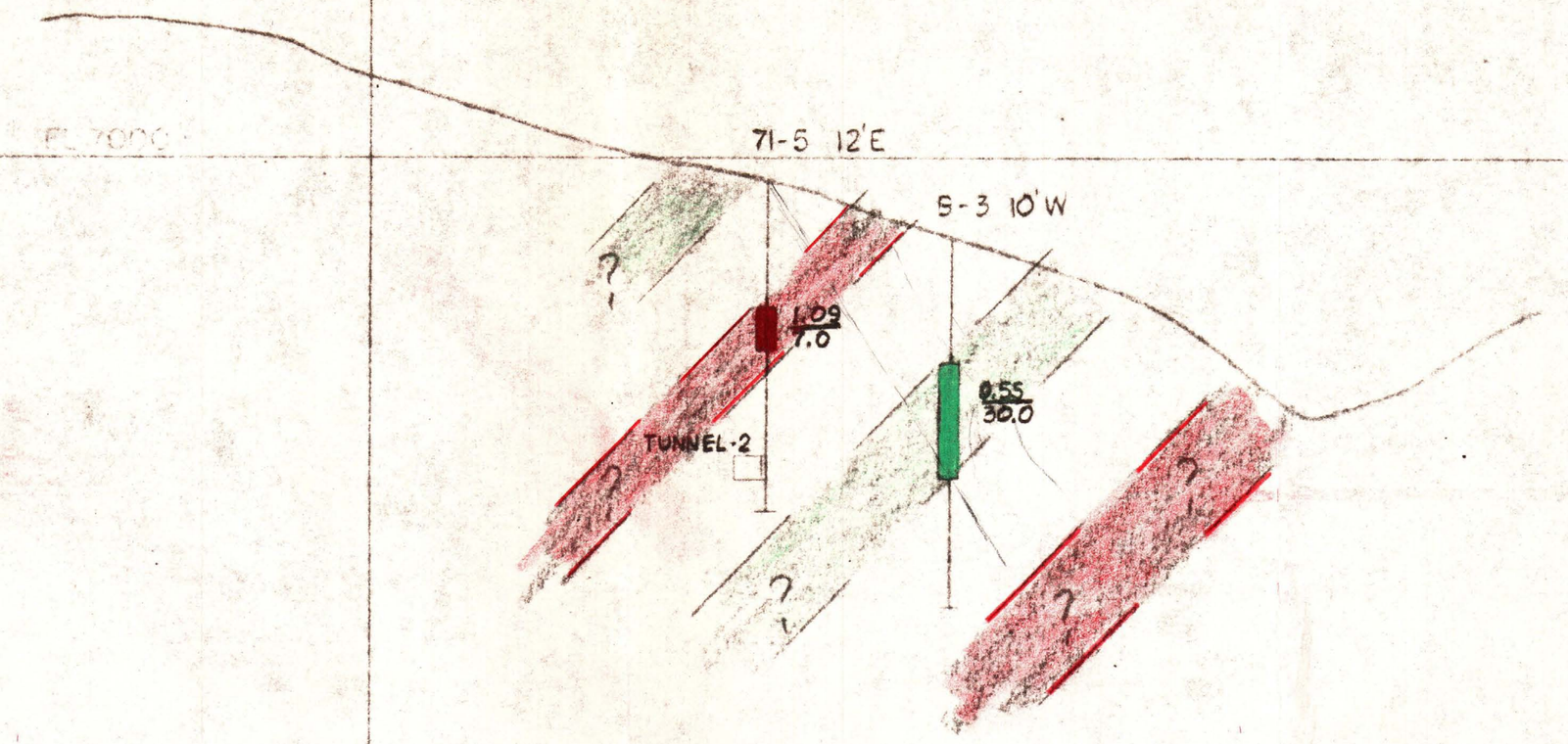
SKYLINE OIL COMPANY

DOUGLAS COUNTY, NEVADA

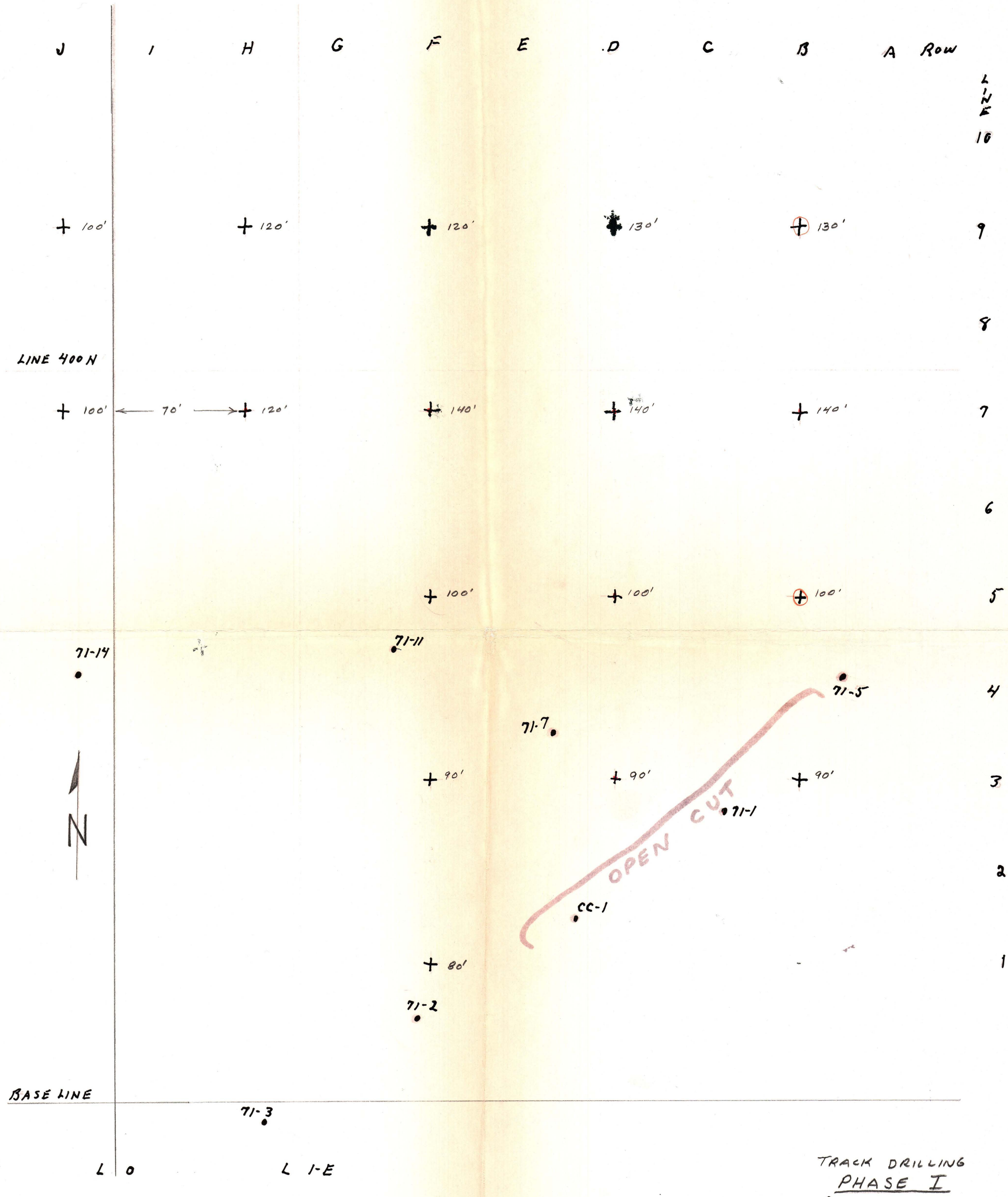
DECEMBER 1968


BASE LINE
EL 7000
D-3 15'W
71-1 8'E
.35
13.0
1.22
30.0
.57
7.0
1.79
20.0
2.60
10.0
TUNNEL -2
1.14
30.0
2.63
26.0
.40
20.0
?
JAMEX EXPLORATION CO LTD
COPPER CHIEF PROJECT
SECTION 150 WEST
1"=40'
8-15-72


BASE LINE
D-5 8'E
J-1
EL 7000
.45
15.0
.37
10.0
.67
20.0
.15
5.0
1.48
10.0
.62
.40
10.0
TUNNEL-2
JAMEX EXPLORATION CO LTD
COPPER CHIEF PROSPECT
SECTION 100 WEST
1" = 40'
8-15-72

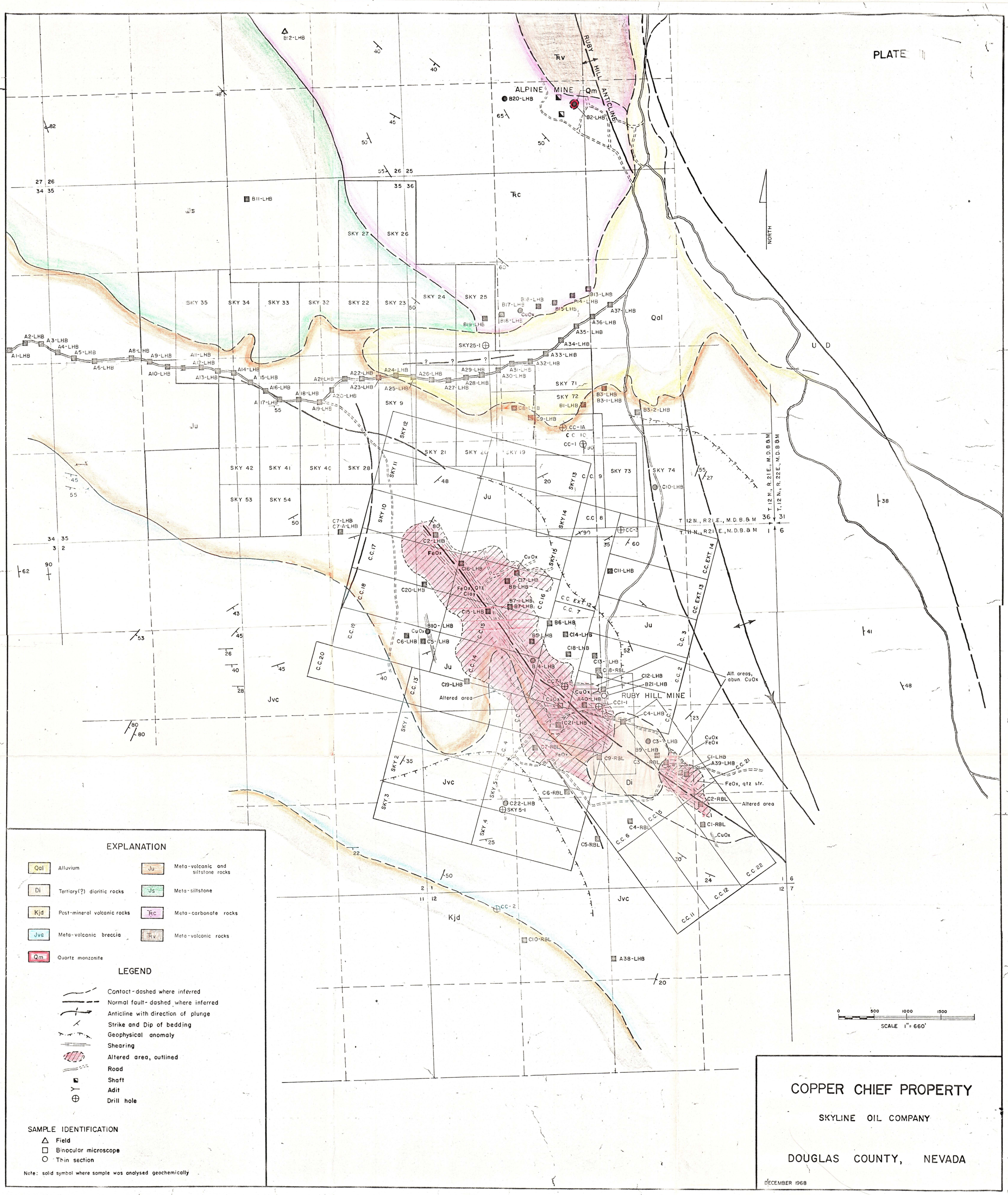


SAME EXPLORATION COLO.
OTTER CREEK PROJECT
SECTION 5C WEST
1"=40' 8-15-72



TRACK DRILLING
PHASE I
RUBY HILL AREA
1" = 40' MAY 27/71

PLATE II



EXPLANATION

Qal	Alluvium	Ju	Meta-volcanic and siltstone rocks
Di	Tertiary(?) dioritic rocks	Js	Meta-siltstone
Kjd	Post-mineral volcanic rocks	Rc	Meta-carbonate rocks
Jvc	Meta-volcanic breccia	Rv	Meta-volcanic rocks
Qm	Quartz monzonite		

LEGEND

- Contact - dashed where inferred
- Normal fault - dashed where inferred
- Anticline with direction of plunge
- Strike and Dip of bedding
- Geophysical anomaly
- Shearing
- Altered area, outlined
- Road
- Shaft
- Adit
- Drill hole

SAMPLE IDENTIFICATION

- △ Field
- □ Binocular microscope
- ○ Thin section

Note: solid symbol where sample was analysed geochemically

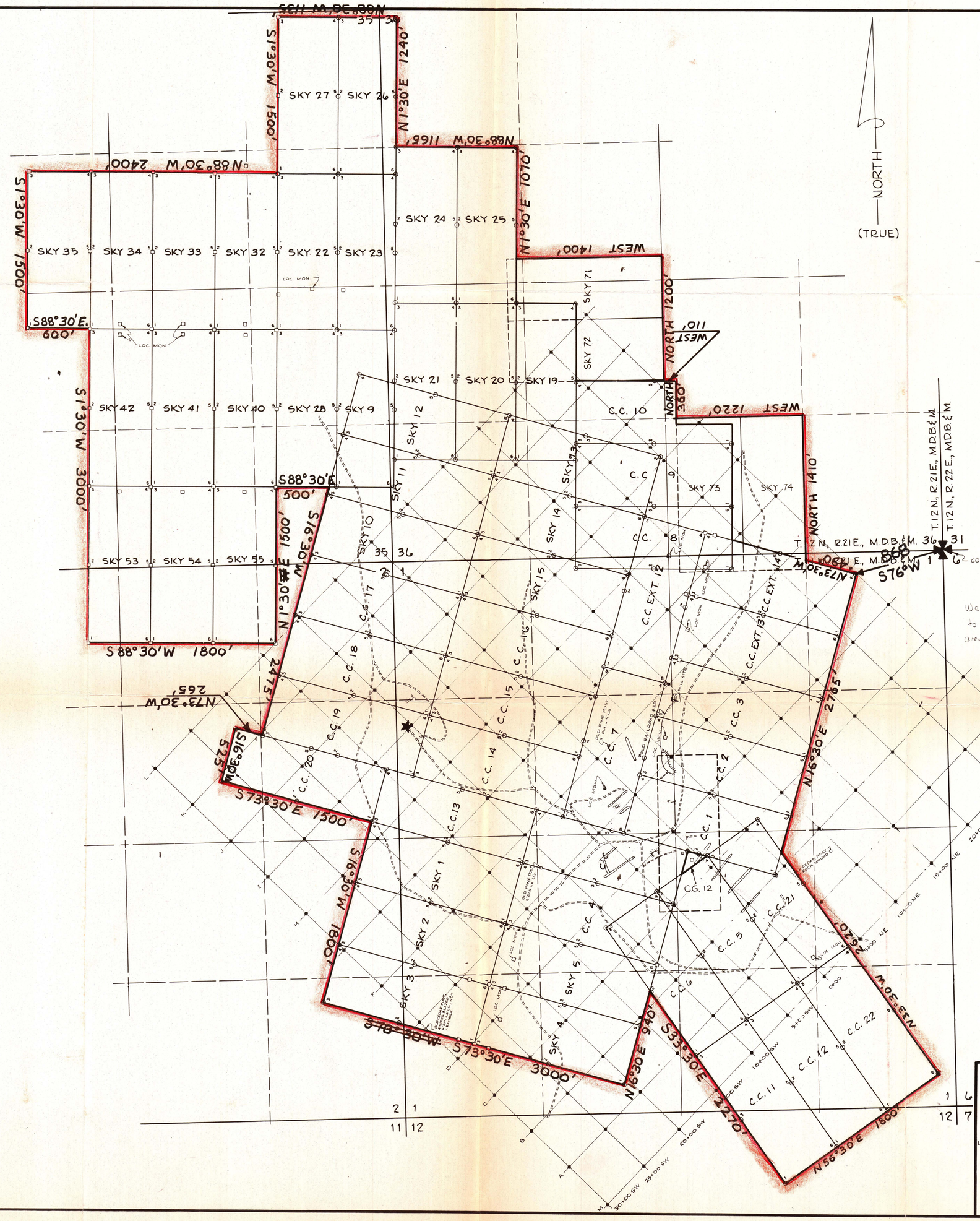
COPPER CHIEF PROPERTY

SKYLINE OIL COMPANY

DOUGLAS COUNTY, NEVADA

DECEMBER 1968

Dump
Fine to sandy grey tuff
Altered dacite breccia with quartz veining
Sandy dacite
Metadacite
Blue grey phyllite
Major shear zone marked by bleached, altered rock w. quartz veining.
Cu Mineralization
Drill hole
Reverse fault
Normal fault
Projected plunging anticline
Geology: M.D.Malone
JAMEX EXPLORATION CO. LTD
COPPER CHIEF PROSPECT
PLAN
1"=40'
8-15-72
SAK
Tu
Dp
Phy
Md
Da
DaB
Sh Z
N
ROAD
TUNNEL-1
TUNNEL-3
INCLINED SHAFT
bench
6000 Tons
1.90
12000 Tons
1.0%
150 NORTH
100 NORTH
50 NORTH
50 SOUTH
100 SOUTH
150 SOUTH
200 SOUTH
250 SOUTH
400 WEST
350 WEST
300 WEST
250 WEST
200 WEST
150 WEST
100 WEST
50 WEST



CLAIMS SHOWN ON MAP

COPPER CHIEF

COPPER CHIEF 1-22

COPPER CHIEF EXT. 12-14

SKY 1-5, 9-15, 19-23, 32-35, 40-42, 53-55, 71-74

COPPER GEM 12

CLAIMS VARIOUSLY LOCATED ON: JULY 8, 1942; MAY 6, 23, 1967; SEPT. 1, 2, 4, 7, 8, 1967; OCT. 13, 14, 15, 1967; JULY 30, 31, 1968

We need the tie from this corner to any claim corner. Also needed the [illegible] and true bearing of the outside boundary.

Nov. 14, 197[illegible]

LEGEND

- 4"x4"x4' POST, IN EARTH AND ROCK MOUND
- PINE POST, SIZE AS NOTED
- ROCK MOUND, SIZE AS NOTED
- GRID POINT
- DOZER CUT
- ADIT
- GLORY HOLE
- DRILL SITE (SKYLINE OIL Co.).

=69221

Recorded at Request of Stefani Oil Company
On August 4, 1972 At ..... to Min. Past 11:16 M
Official Records of Douglas County, Nevada. Fee 5.00 pd

Patricia J. Stanley, Recorder. By [illegible] Deputy Recorder

Book 103 Page 726

0 500 1000 1500 2000
SCALE - 1" = 500'

JULY 28, 1972

SKYLINE OIL COMPANY

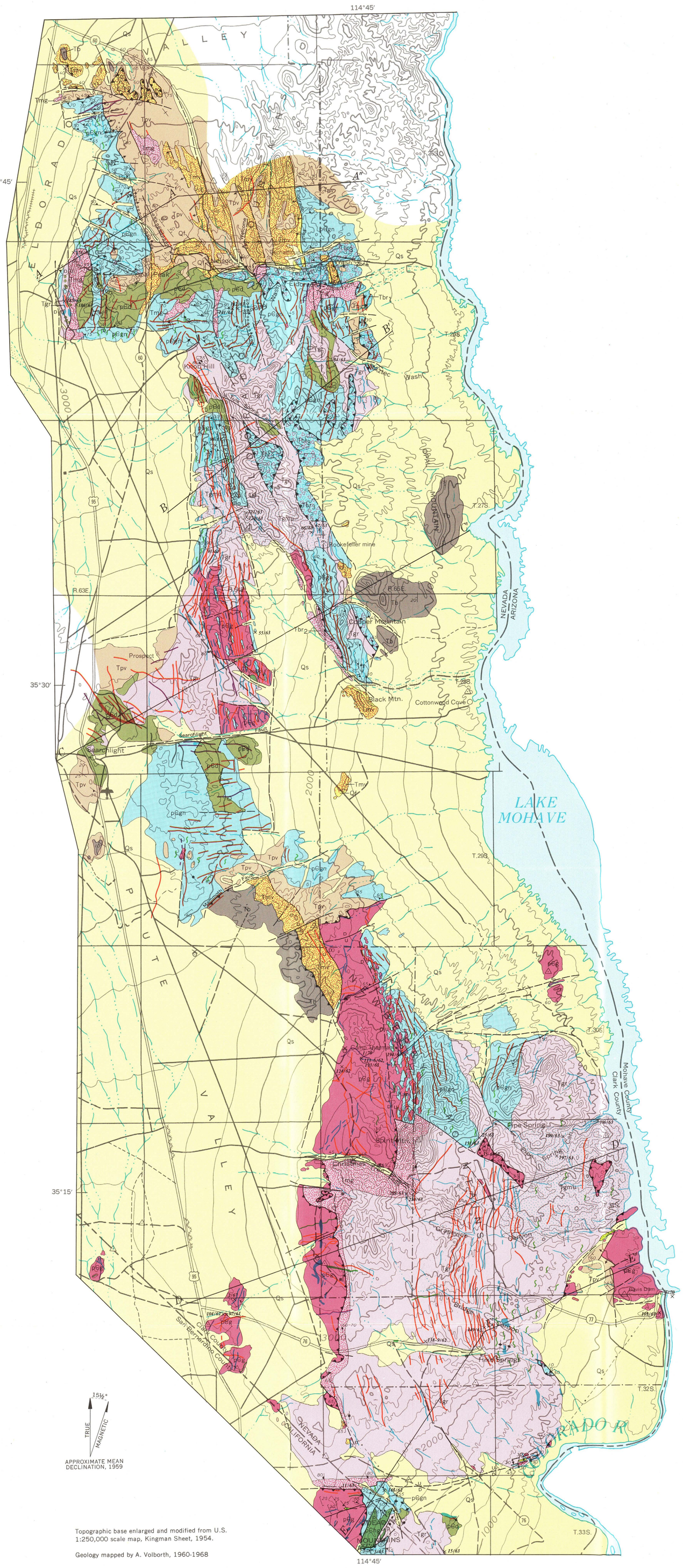
418 ATLAS BLDG., SALT LAKE CITY, UTAH 84101

COPPER CHIEF AND SKY LODE CLAIMS

LOCATED IN SECTIONS 1, 2, 3 & 12, T. 11 N., R. 21 E., M.D.B.&M.
6, T. 11 N., R. 22 E., M.D.B.&M.
34, 35 & 36, T. 12 N., R. 21 E., M.D.B.&M.

PINENUT MINING DISTRICT

DOUGLAS COUNTY, NEVADA



Topographic base enlarged and modified from U.S. 1:250,000 scale map, Kingman Sheet, 1954.

Geology mapped by A. Volborth, 1960-1968

GEOLOGIC MAP AND SECTIONS OF THE ELDORADO, NEWBERRY, AND NORTHERN DEAD MOUNTAINS, CLARK COUNTY, NEVADA.

BY ALEXIS VOLBORTH

SCALE 1:125,000

1 0 1 2 3 4 5 6 7 8 9 10 Miles

1 0 1 2 3 4 5 6 7 8 9 10 Kilometers

CONTOUR INTERVAL 200 FEET

1972

EXPLANATION

QUATERNARY

Qs — Sedimentary deposits
Alluvium, gravel, sand, Colorado River deposits, lake deposits, cemented slope gravels.

Qf — Silicified and altered rocks
Traces of extinct fumaroles and associated deep-seated silicified and mineralized rocks, mostly along fault zones of Recent and Pliocene age.

TERTIARY

Tb — Basaltic and andesitic rocks
Basalt flows, and andesitic tuffs with basalt boulders. Corresponds to the Muddy Creek Formation of Longwell (1963).

Ts — Sandstone
May be correlative with sandstone of the Muddy Creek Formation.

Tbr1, Tbr2, Tbr3 — Breccias
Fault and landslide breccias containing blocks and fragments of:
Tbr_1 — Precambrian gneisses and intrusive and extrusive volcanic rocks. Blocks not fully separated along the Nelson fault zone.
Tbr_2 — Porphyritic granites and augen gneisses.
Tbr_3 — Rapakivi granites, quartz porphyries, and intrusive and extrusive rhyolitic and andesitic flow rocks and ignimbrites.

Basal conglomerate and breccia
Contains fragments of limestone and Precambrian gneiss, cemented by calcite.

Andesitic dikes
Andesite, lamprophyre, and hybrid dikes.

Rhyolitic dikes
Rhyolitic microgranite and other siliceous dikes and quartz porphyries.

Diabase dikes
Includes hornblendite, some basalt dikes, and breccias and small mafic stocks of possible Jurassic or Cretaceous age.

Tmv — Siliceous volcanic rocks
Extrusive and hypabyssal intrusive rocks, mostly rhyolitic, and very siliceous and leucocratic. Includes ignimbrites and layers of perlite. Corresponds to the Mount Davis and Golden Door Volcanics of Longwell (1963).

Tpv — Intermediate volcanic rocks
Dark-colored andesitic and dacitic flow rocks, and rhyolitic and trachytic varieties, ignimbrites, tuffs, and layered dikes. Corresponds to the Patsy Mine Volcanics of Longwell (1963).

Tmg — Hypersolvus microgranite
Includes marginal miarolitic, foliated, and fine-grained hypabyssal varieties, and hypersolvus granite.

Tgr — Rapakivi granite
Includes typical rapakivi with large, beige, K-feldspar phenocrysts, often mantled with oligoclase; and minor biotite; also other coarse- to fine-grained varieties, including marginal microgranitic and gneissose types. Most widespread granites shown on map.

Tgmu — Muscovite granite
Often foliated, medium to fine grained.

LARAMIDE OROGENY

Deepseated disturbances, regional metamorphism, thrust faulting, and formation of complex granitic plutons.

CRETACEOUS-JURASSIC (?)

Kjrb — Rheomorphic rocks
Reworked Precambrian foliated granite and granodiorite, including gneissose varieties. Mostly biotite bearing (K-Ar age 143 m.y.). Grades into Precambrian augen gneisses and chloritized porphyroblastic gneisses. Penetrated by Tertiary volcanics and hypabyssal dikes. Shown diagrammatically.

PRECAMBRIAN

pЄhg — Gabbroic rocks
Hornblende gabbro and other mafic intrusive rocks. May be Cretaceous or Jurassic.

pЄd — Dioritic gneiss
Includes hornblende-biotite gneiss and dioritic rocks rejuvenated during Laramide orogeny; also younger diorite near Searchlight.

pЄg — Porphyritic granites
"Pseudo" rapakivi with mantled K-feldspars, grading into augen gneiss and mylonitic derivatives. Includes dioritic varieties east of Searchlight.

Pegmatites and aplites
Also includes similar rocks of Tertiary age at places. Sometimes occur as swarms.

pЄgn — Gneissic and schistose rocks
Gneisses, migmatites, schists, kinzigites, amphibolites. Mixed zone with porphyritic, sheared granites. Includes much younger material, mostly dikes. Grades into muscovite granite and other more recent gneissic granites and granodiorites.

Contact
Dashed where approximately located.

Fault, showing dip
Dashed where approximately located. U, upthrown side; D, downthrown side.

Thrust fault
Barbs on upper plate. Dashed where approximately located.

Strike and dip of bedding

Horizontal bedding

Strike and dip of schistosity

Strike of vertical schistosity

Strike and dip of foliation

Strike of vertical foliation

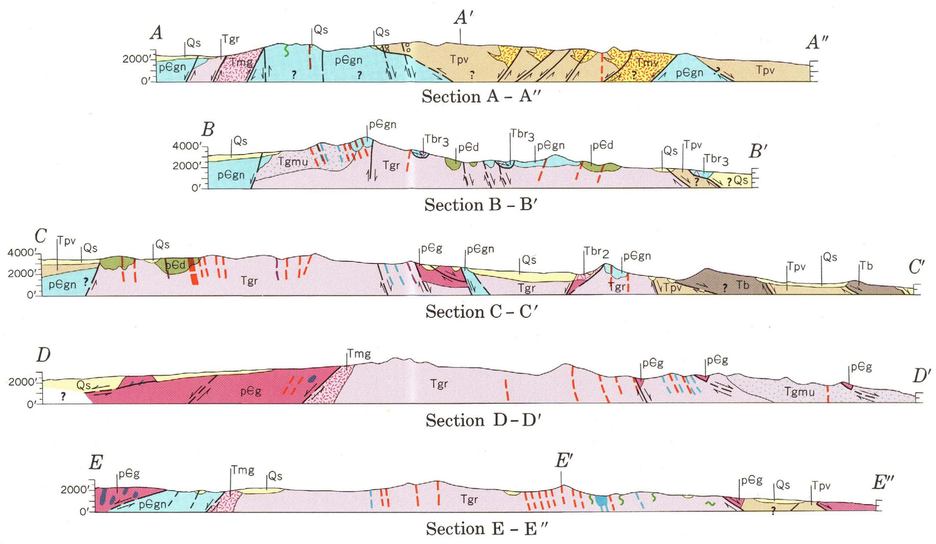
Bearing and plunge of lineation

Direction and plunge of axis

Strike and dip of jointing

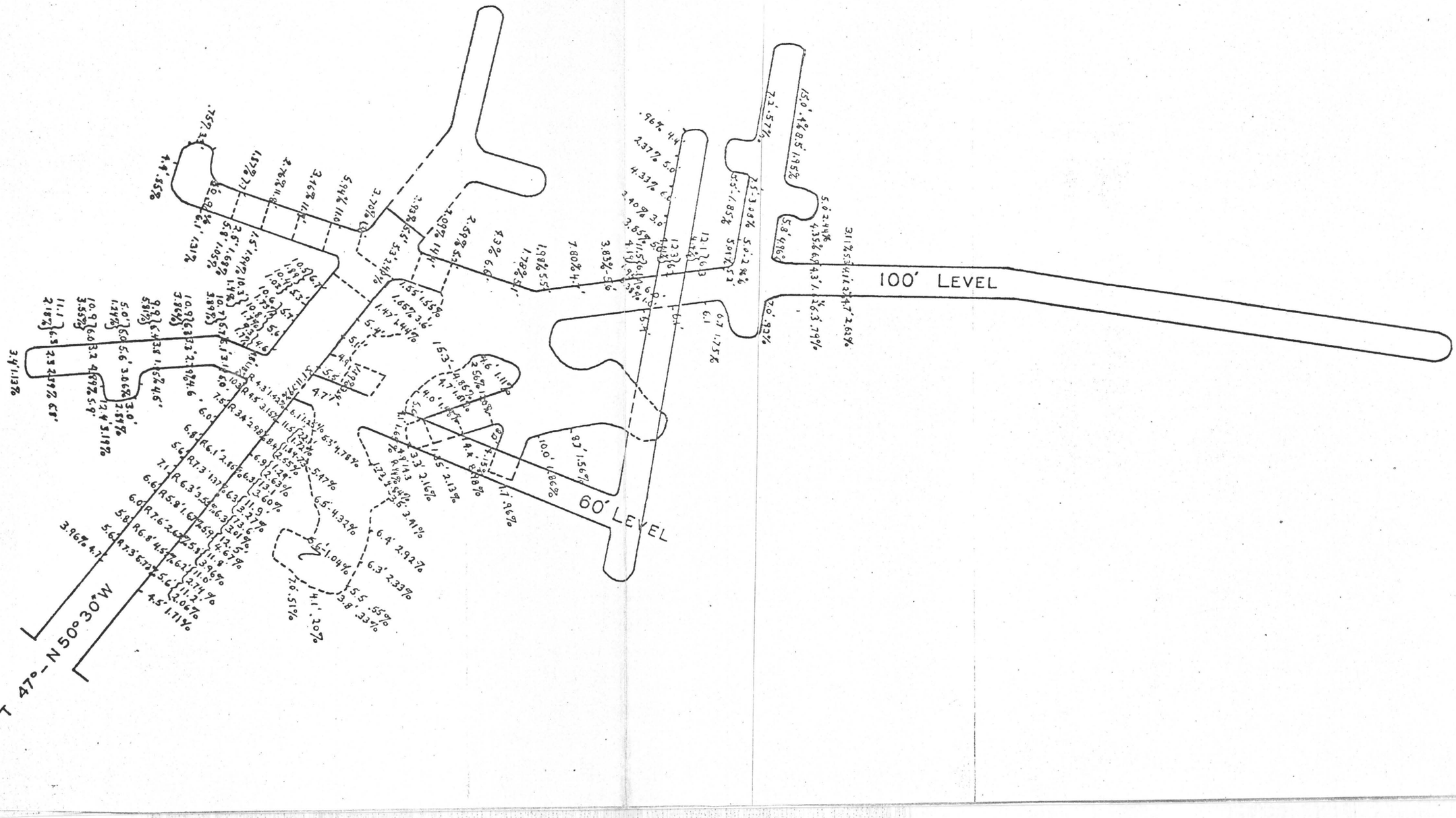
Strike of vertical jointing

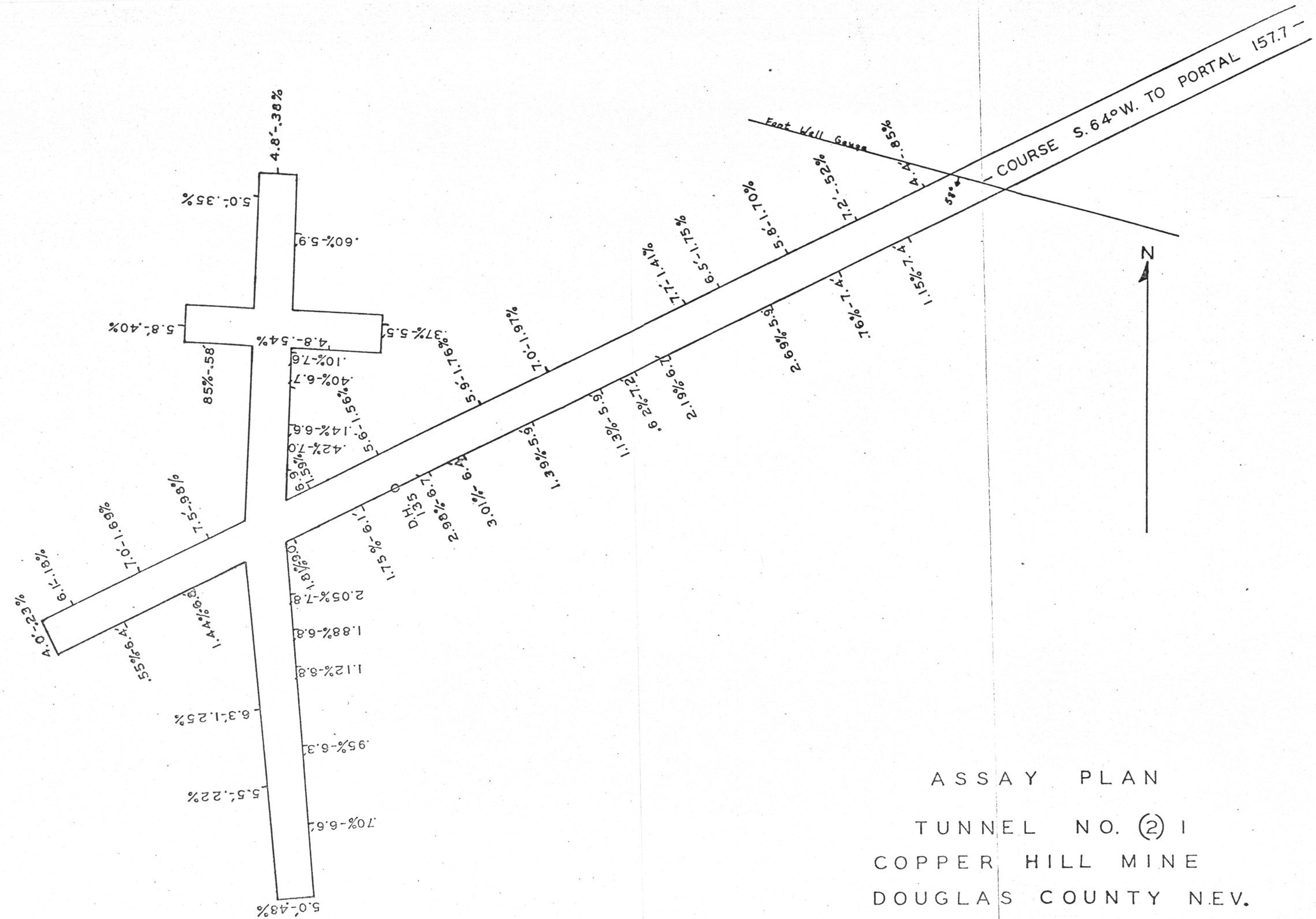
Rock sample locations
Location, sample number, and year in which collected.



ASSAY PLAN
SHAFT AND LEVELS
COPPER HILL MINE

SCALE 1" = 15'





ASSAY PLAN

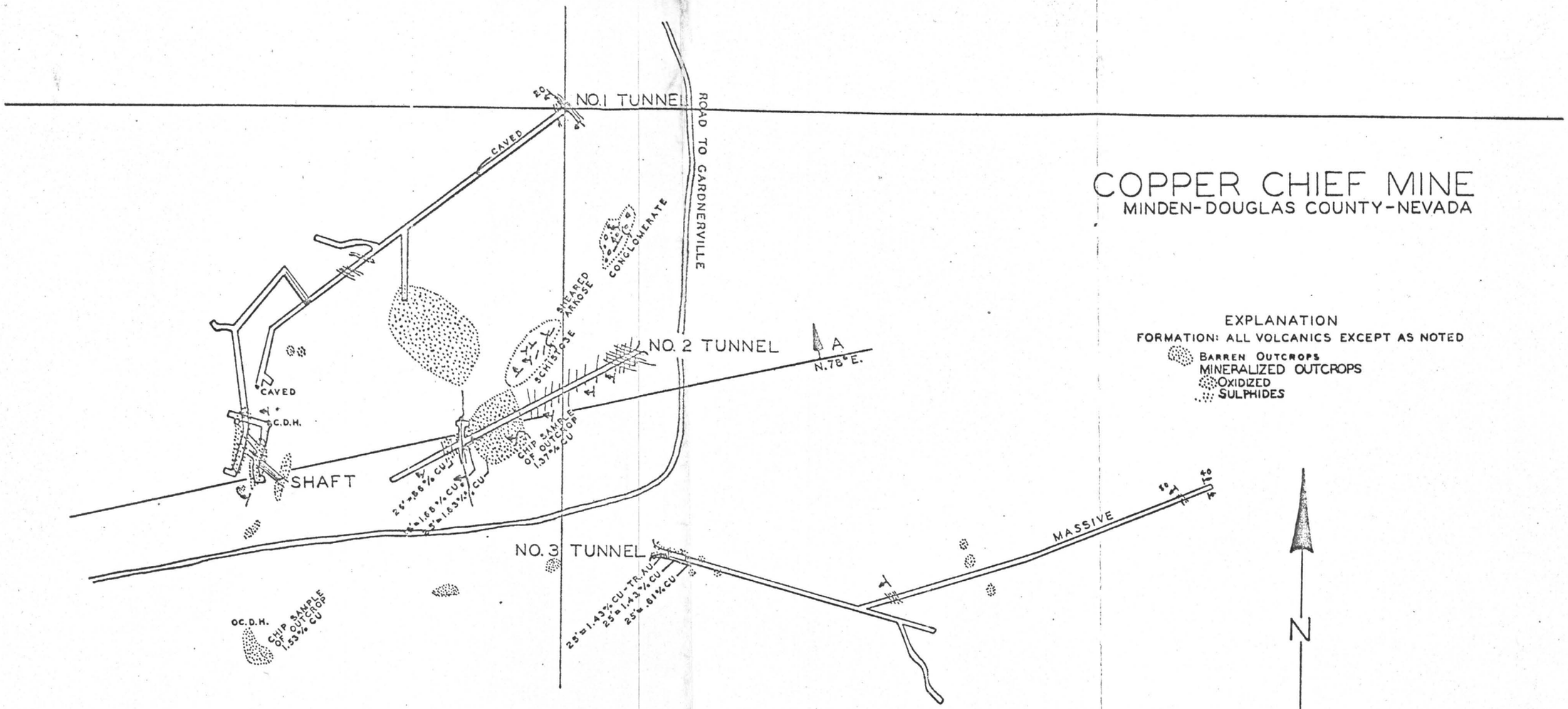
TUNNEL NO. (2) 1

COPPER HILL MINE

DOUGLAS COUNTY NEV.

SCALE 1 INCH = 10 FEET

COPPER CHIEF MINE
MINDEN-DOUGLAS COUNTY-NEVADA



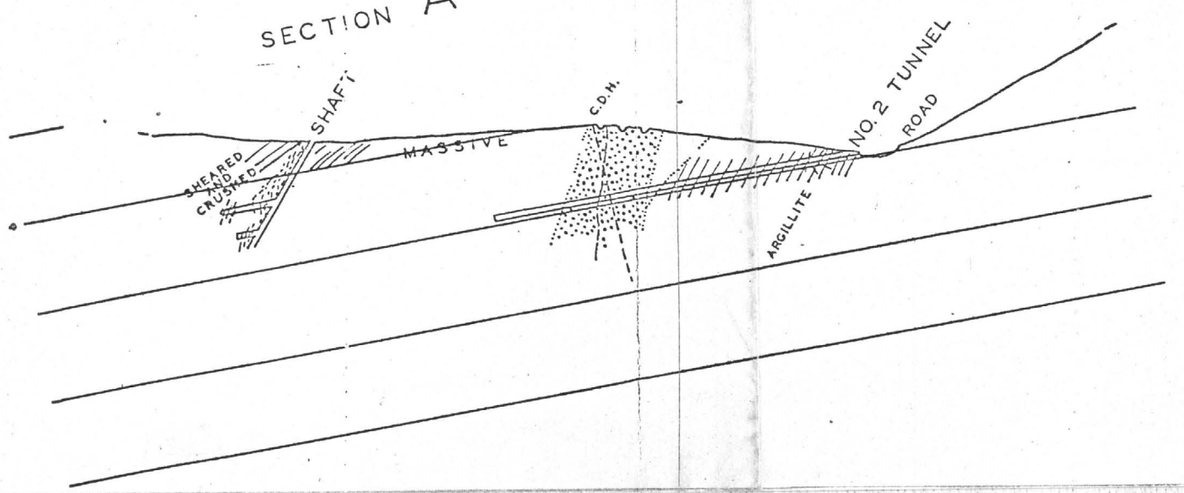
EXPLANATION

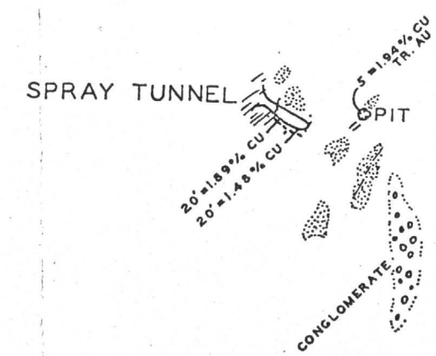
FORMATION: ALL VOLCANICS EXCEPT AS NOTED

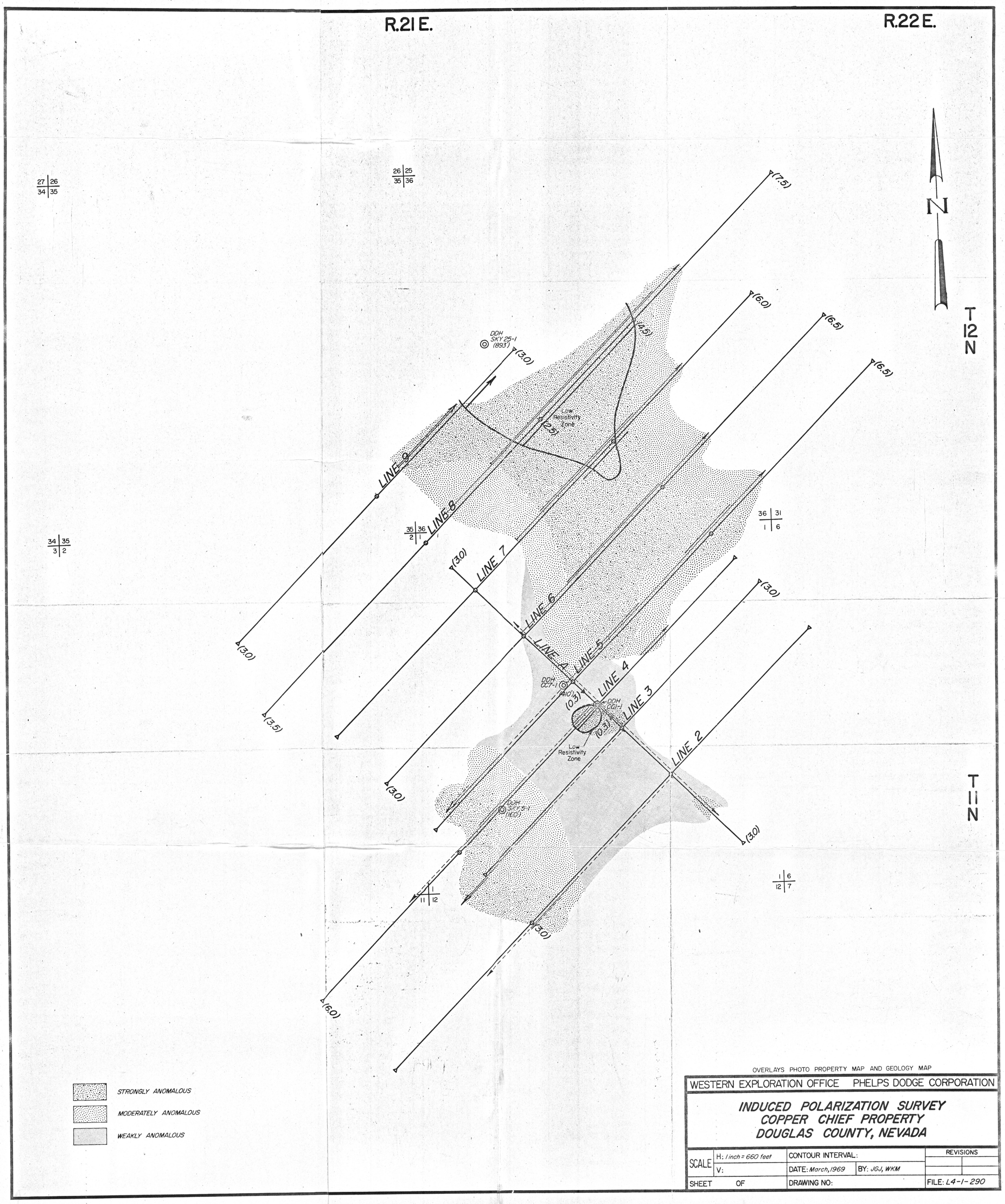
BARREN OUTCROPS
MINERALIZED OUTCROPS
OXIDIZED
SULPHIDES

PLAN

SECTION A - N.78°E. LOOKING N'LY.





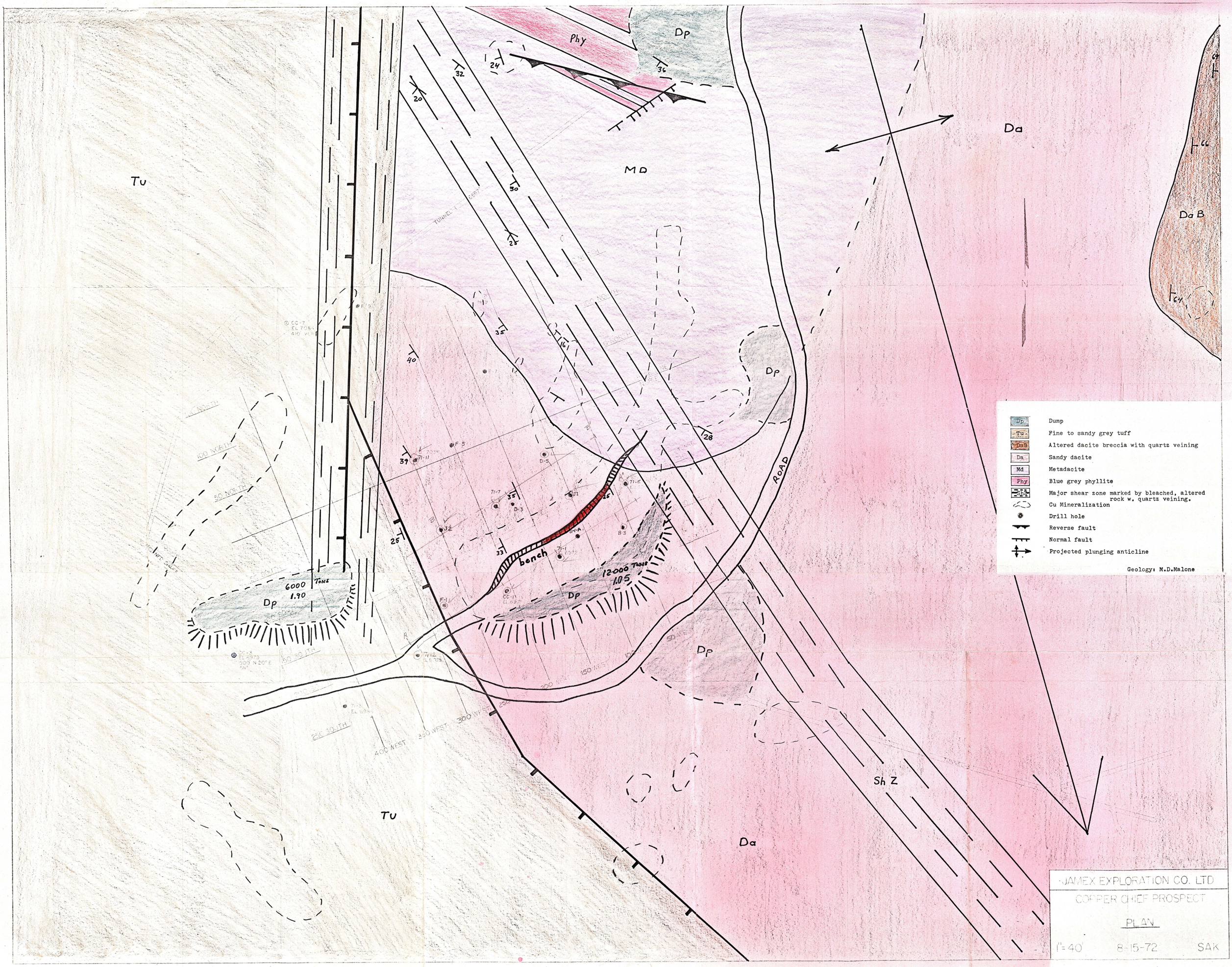


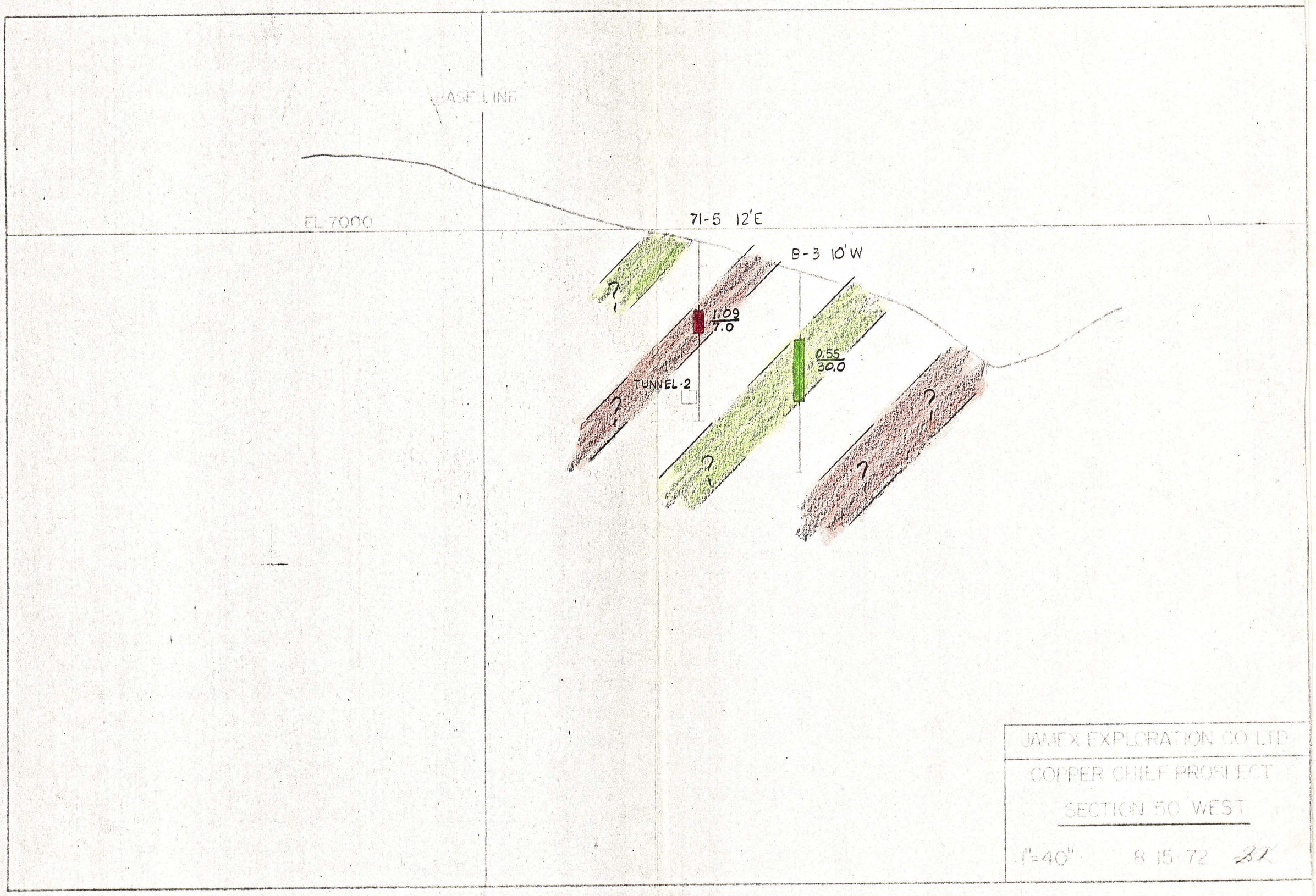
OVERLAYS PHOTO PROPERTY MAP AND GEOLOGY MAP

WESTERN EXPLORATION OFFICE PHELPS DODGE CORPORATION

INDUCED POLARIZATION SURVEY
COPPER CHIEF PROPERTY
DOUGLAS COUNTY, NEVADA

SCALE	H: 1 inch = 660 feet	CONTOUR INTERVAL:		REVISIONS
	V:	DATE: March, 1969	BY: JGJ, WKM	
SHEET OF		DRAWING NO:		FILE: L4-1-290


Tu
Phy
Dp
MD
Da
DaB
Sh Z
ROAD
bench
6000 TONS
1.90
12,000 TONS
1.05
TUNNEL
100 NORTH
50 NORTH
50 SOUTH
150 WEST
200 WEST
250 WEST
300 WEST
350 WEST
400 WEST
N
Dump
Fine to sandy grey tuff
Altered dacite breccia with quartz veining
Sandy dacite
Metadacite
Blue grey phyllite
Major shear zone marked by bleached, altered rock w. quartz veining.
Cu Mineralization
Drill hole
Reverse fault
Normal fault
Projected plunging anticline
Geology: M.D.Malone
JAMEX EXPLORATION CO. LTD
COPPER CHIEF PROSPECT
PLAN
1"=40'
8-15-72
SAK


BASE LINE
EL 7000
71-5 12'E
B-3 10'W
1.09
7.0
0.55
30.0
TUNNEL-2
?
?
?
?
?
JAMEX EXPLORATION CO LTD
COPPER CHIEF PROSPECT
SECTION 50 WEST
1"=40"
8 15 72

BASE LINE
D 5 8E
EL 7000
J-1
.45
15.0
1.17
20.0
.37
10.0
1.20
10.0
1.15
5.0
1.48
10.0
.40
10.0
.62
35.0
.88
10.0
2.40
10.0
.73
10.0
TUNNEL-2
?
JAMEX EXPLORATION CO LTD
COPPER CHIEF PROSPECT
SECTION 100 WEST
1" = 40'
8-15-72