CONTACT INFORMATION
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Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

samples not taken (9)

HAYDEN QUADRANGLE
ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 RAY 15' QUADRANGLE

33°00'
110°52'30"
512
R. 14 E. R. 15 E.
290 000 FEET (EAST)
515
50'
516
517
(WINKELMAN) 3849 IV NE
518
519
47'30"
WINKELMAN (ARIZ. 77) 1.4 MI.
TUCSON 71 MI.
850 000 FEET (CENTRAL)
INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1973
WINKELMAN 0.7 MI.
523000m E.
33°00'
110°45'

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1962. Field checked 1964

Polyconic projection. 1927 North American datum
10,000-foot grids based on Arizona coordinate system, east and central zones
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

Where omitted, land lines have not been established

GN MN
0°06' 2 MILS
14° 249 MILS
UTM GRID AND 1964 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000
1 ½ 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ARIZONA
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Heavy-duty Light-duty
Unimproved dirt
State Route

(SADDLE MTN.) 3849 I NW

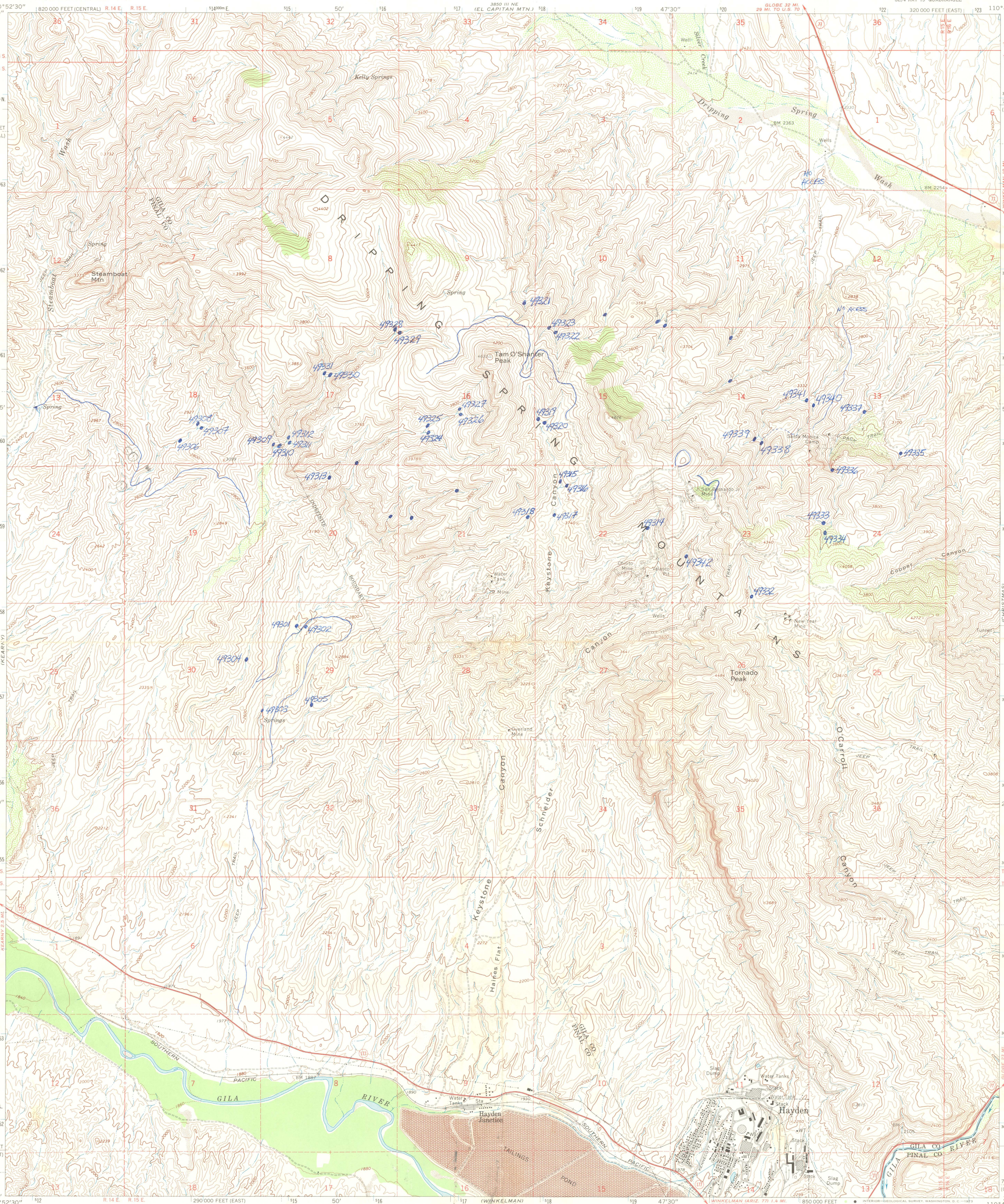
HAYDEN, ARIZ.
SE/4 RAY 15' QUADRANGLE
N3300—W11045/7.5

1964

AMS 3850 III SE—SERIES V898

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HAYDEN QUADRANGLE
ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 RAY 15' QUADRANGLE



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CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
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Heavy-duty — Light-duty
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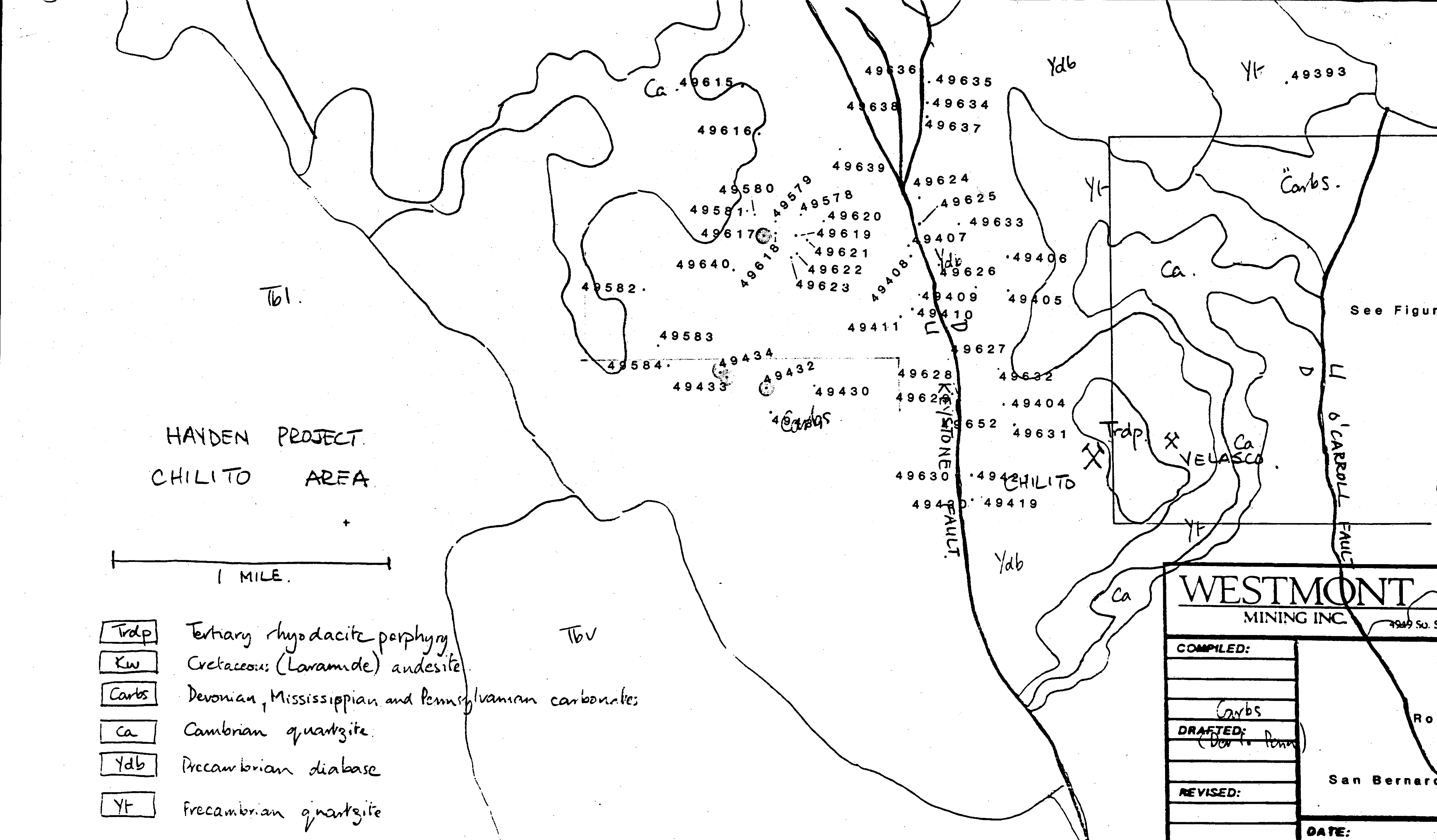
ARIZONA
QUADRANGLE LOCATION

HAYDEN, ARIZ.
SE/4 RAY 15' QUADRANGLE
N3300—W11045/7.5

1964

AMS 3850 III SE—SERIES V898


HAYDEN PROJECT
CHILITO AREA
1 MILE.
Trdp Tertiary rhyodacite porphyry
Kw Cretaceous (Laramide) andesite
Carbs Devonian, Mississippian and Pennsylvanian carbonates
Ca Cambrian quartzite
Ydb Precambrian diabase
Yt Precambrian quartzite
Tbl.
Tbv
KEYSTONE FAULT.
O'CARROLL FAULT
CHILITO
VELASCO
See Figure
WESTMONT
MINING INC.
COMPILED:
DRAFTED:
REVISED:
DATE:
San Bernard
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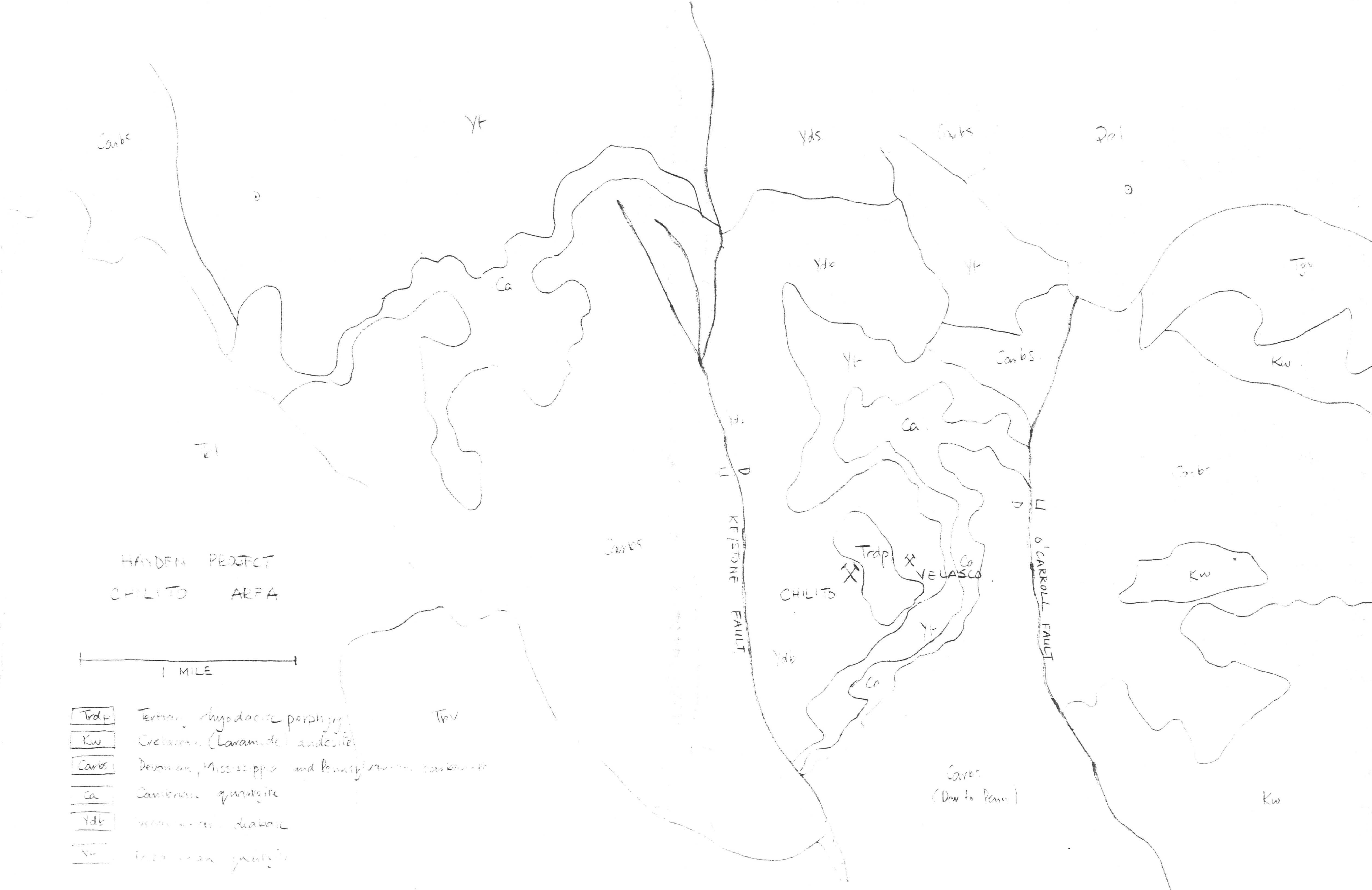
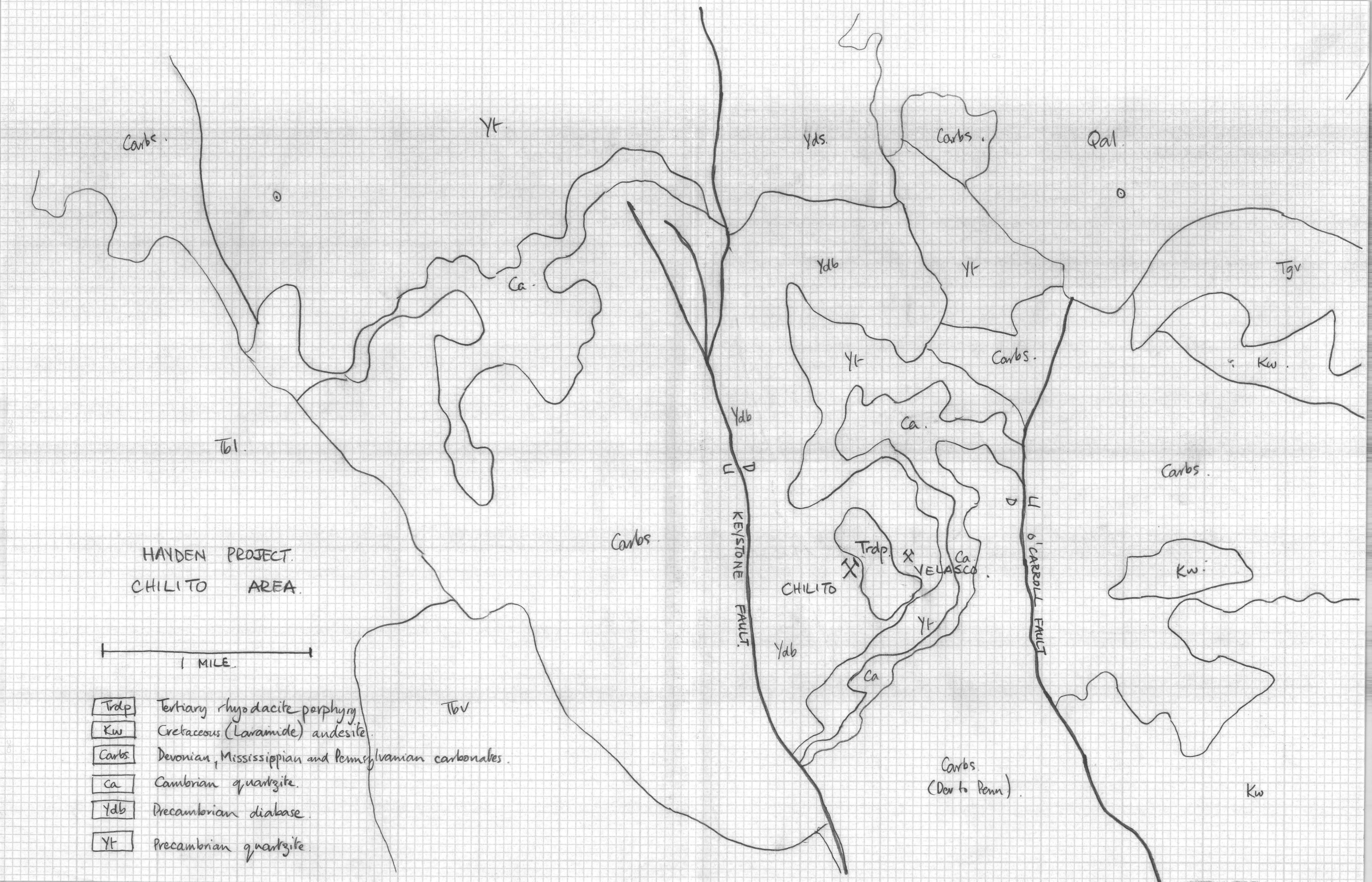
Tan O'Shanter Peak
Santa Monica Camp
San Bernardo Jr. Mine
Chilito Mine
Velasco Pit
Keystone Canyon
Copper Canyon
Water Tan
Wells
New Year Mine
Tunnel
Tornado Peak
Overland Mine
O'Carroll
TRAIL
JEEP TRAIL
INDEFINITE BOUNDARY
(CHRISTMAS)
Keystone F2
Chilito Plug
San Bernardo
03-90


HANDEN PROJECT
CHILITO AREA
1 MILE
Trdp Tertiary rhyodacite porphyry
Kw Cretaceous (Laramide) andesite
Carbs Devonian, Mississippian and Pennsylvanian carbonates
Ca Cambrian quartzite
Yds
KEYSTONE FAULT
O'CARROLL FAULT
U
D
CHILITO
VELASCO
Trdp
Yt
Yds
Ca
Carbs
Carbs (Dev to Penn)
Kw
Tv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1 MILE.
Trdp Tertiary rhyodacite porphyry
Kw Cretaceous (Laramide) andesite.
Carbs. Devonian, Mississippian and Pennsylvanian carbonates.
Ca Cambrian quartzite.
Ydb Precambrian diabase.
Yt Precambrian quartzite.
KEYSTONE FAULT.
O'CARROLL FAULT
CHILITO
VELASCO.
Carbs. (Dev to Penn).
Qal.
Tgv
Tbl.
Tbv
Yds.


HAYDEN PROJECT
CHILITO AREA
1 MILE.
Trdp Tertiary rhyodacite porphyry
Kw Cretaceous (Laramide) andesite
Carbs. Devonian, Mississippian and Pennsylvanian carbonates
Ca Cambrian quartzite
Ydb Precambrian diabase
Yt Precambrian quartzite
Carbs.
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Tbl.
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Tbv
Yds.
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Carbs.
Qal.
Tgv
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Carbs.
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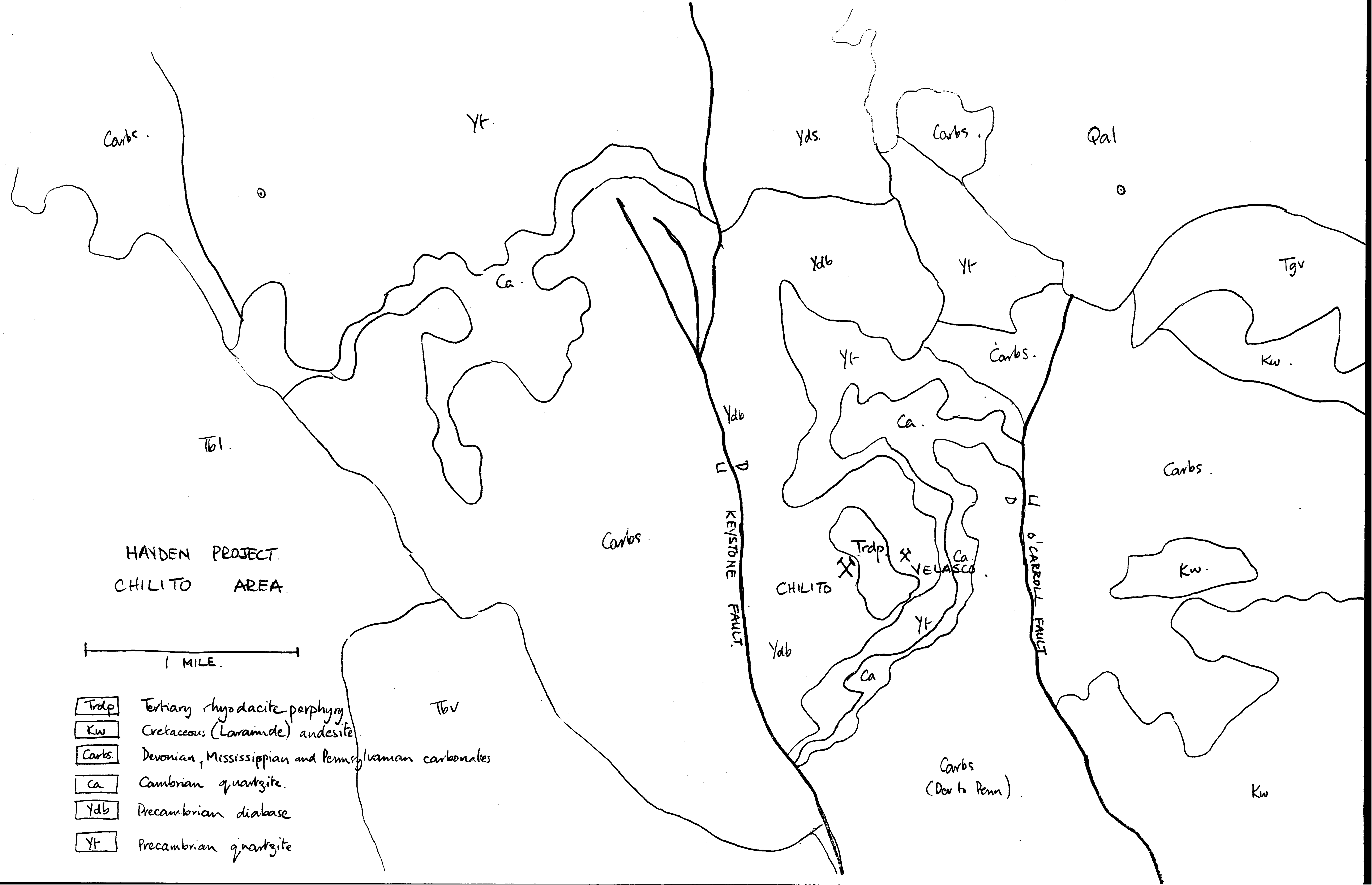
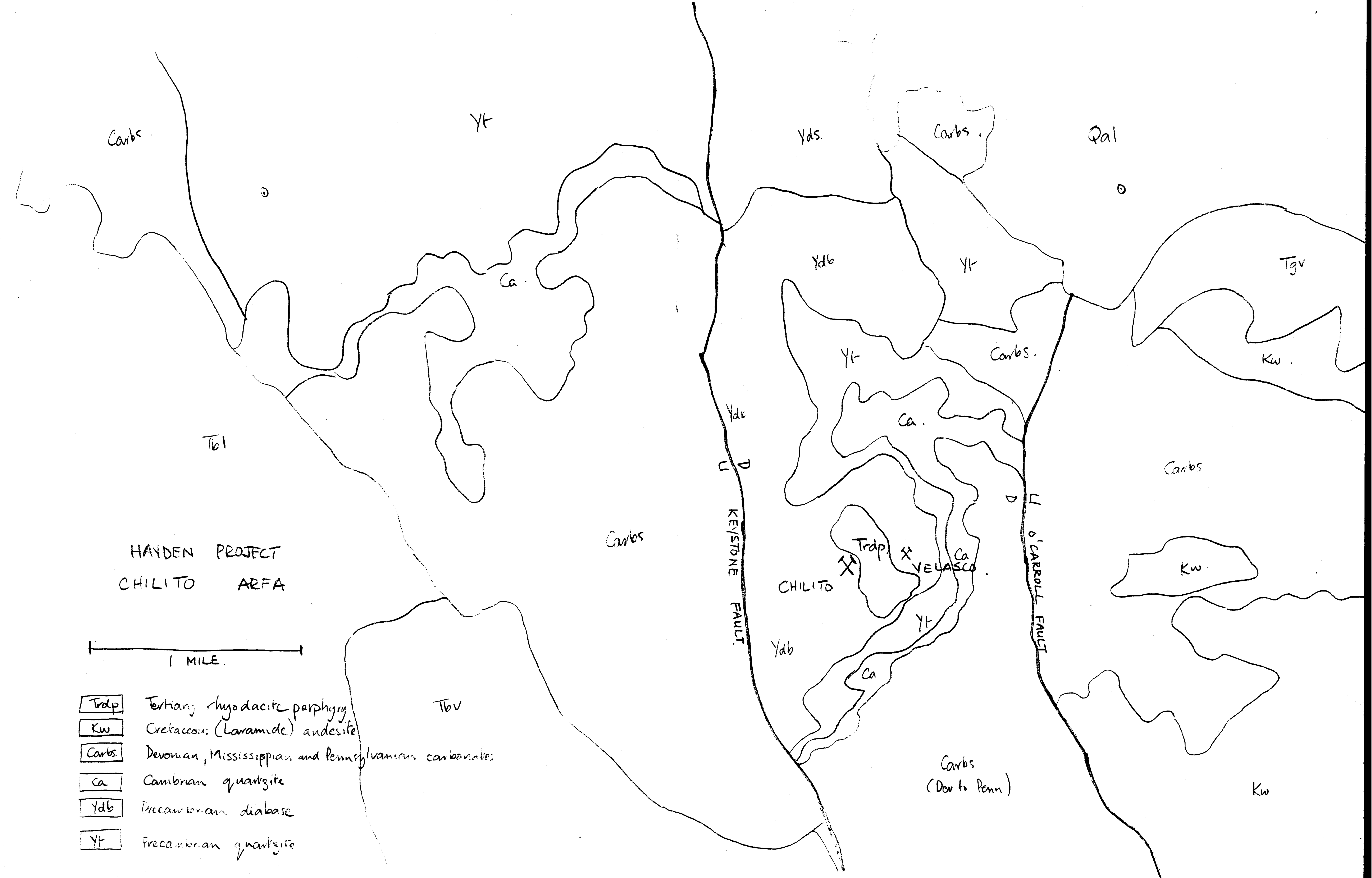
Carbs
(Dev to Penn)
Kw

HAYDEN PROJECT
CHILITO AREA

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Ydb Precambrian diabase
Yt Precambrian quartzite
KEYSTONE FAULT.
O'CARROLL FAULT
CHILITO
VELASCO
Carbs (Dev to Penn)
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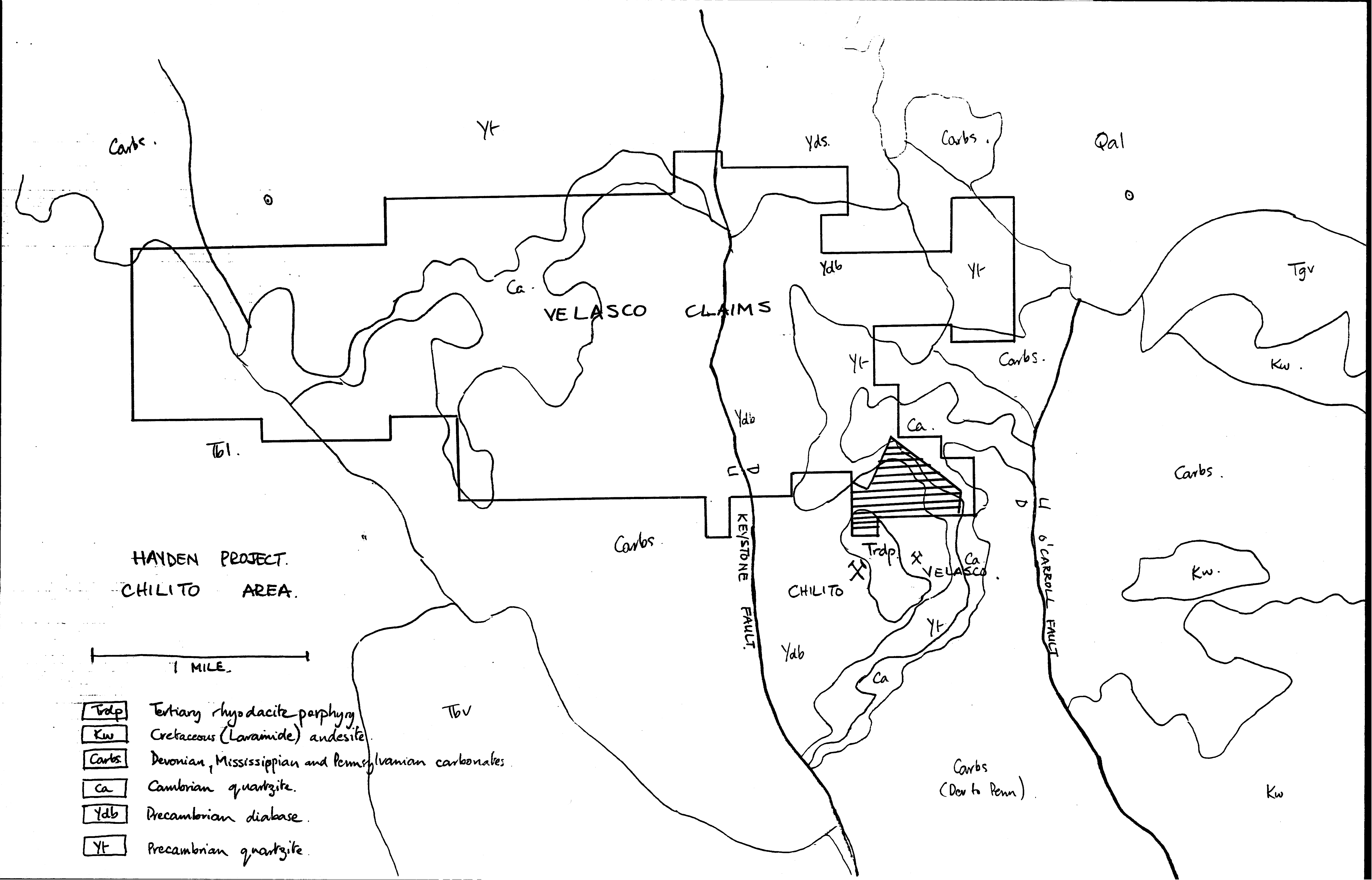
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CHILITO AREA.
1 MILE.
Trdp Tertiary rhyodacite porphyry
Kw Cretaceous (Laramide) andesite.
Carbs. Devonian, Mississippian and Pennsylvanian carbonates
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Ydb Precambrian diabase.
Yt Precambrian quartzite.
VELASCO CLAIMS
KEYSTONE FAULT.
O'CARROLL FAULT
CHILITO
VELASCO
Carbs (Dev to Penn)
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Tgv
Tbv
Tbl.
Yds.
Ydb
Yt
Ca.
Carbs.
Kw.
Trdp.
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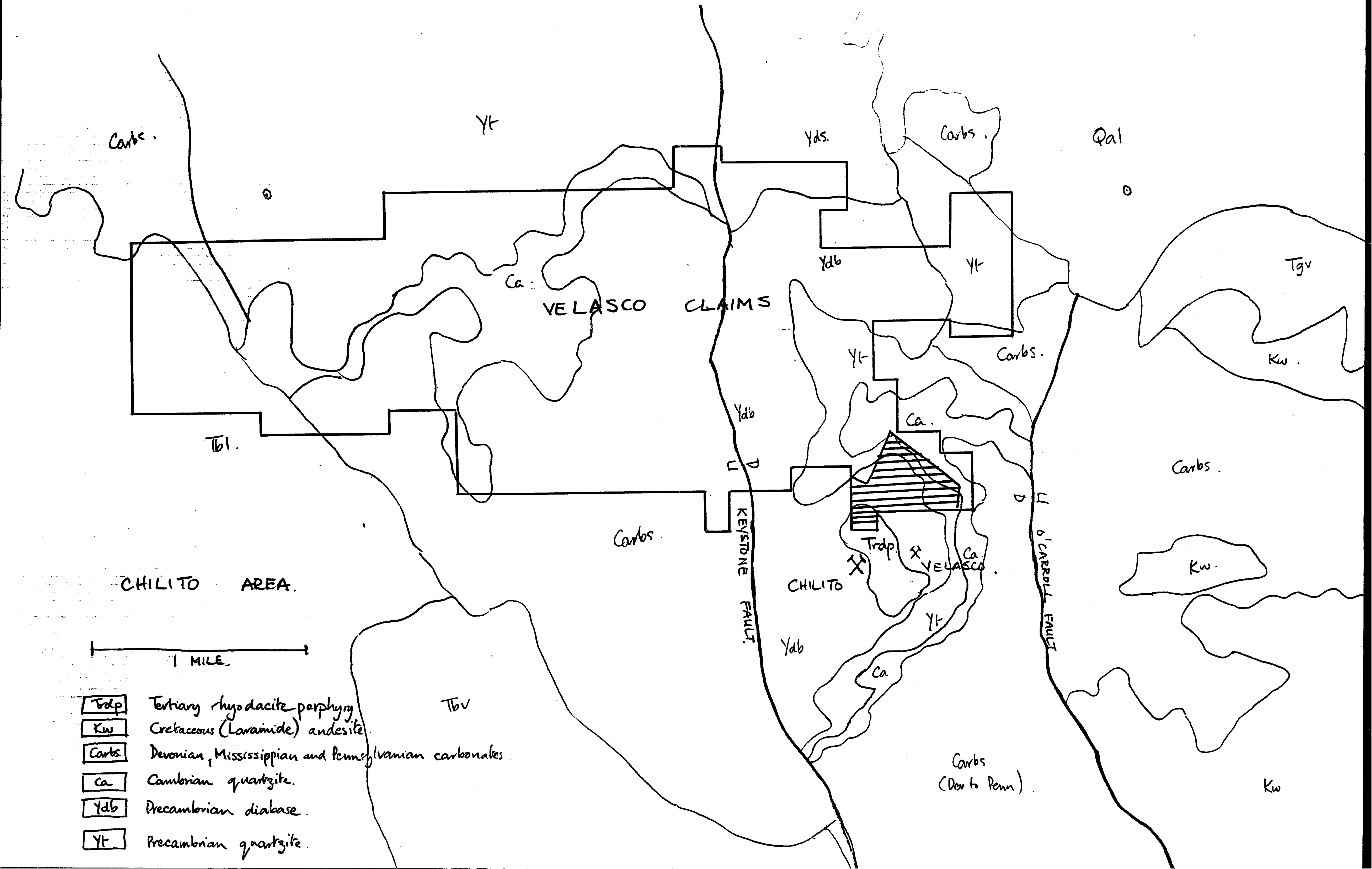

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1 MILE.
Trdp Tertiary rhyodacite porphyry
Kw Cretaceous (Laramide) andesite.
Carbs. Devonian, Mississippian and Pennsylvanian carbonates
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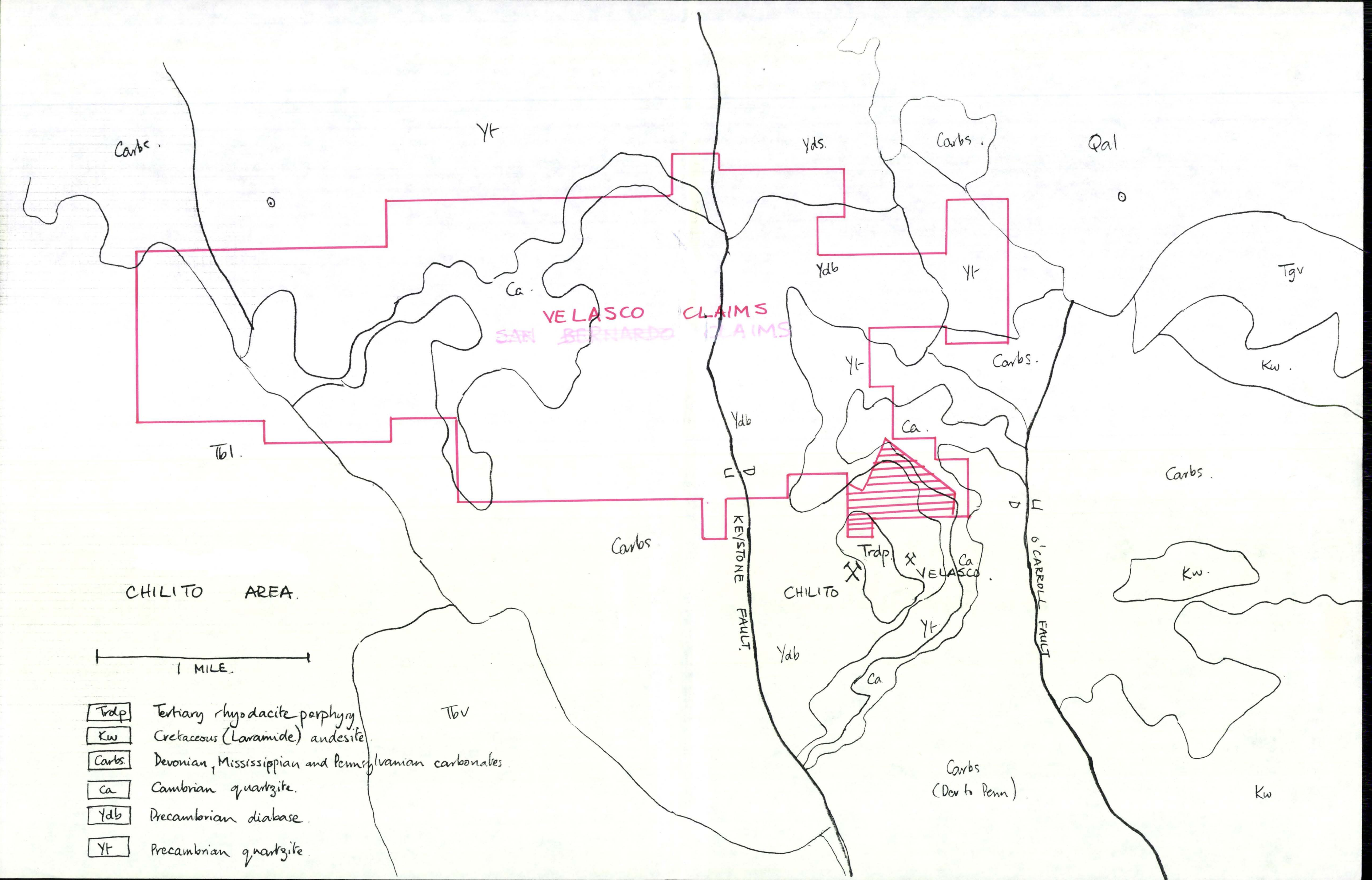
VELASCO CLAIMS
KEYSTONE FAULT.
O'CARROLL FAULT
CHILITO
VELASCO
Carbs (Dev to Penn)
Qal
Tgv
Tbl.
Tbv
Yds.


CHILITO AREA.
1 MILE.
Trdp Tertiary rhyodacite porphyry
Kw Cretaceous (Laramide) andesite
Carbs. Devonian, Mississippian and Pennsylvanian carbonates
Ca Cambrian quartzite.
Ydb Precambrian diabase
Yt Precambrian quartzite
VELASCO CLAIMS
SAN BERNARDO CLAIMS
KEYSTONE FAULT.
O'CARROLL FAULT
CHILITO
VELASCO.
Carbs (Dev to Penn)
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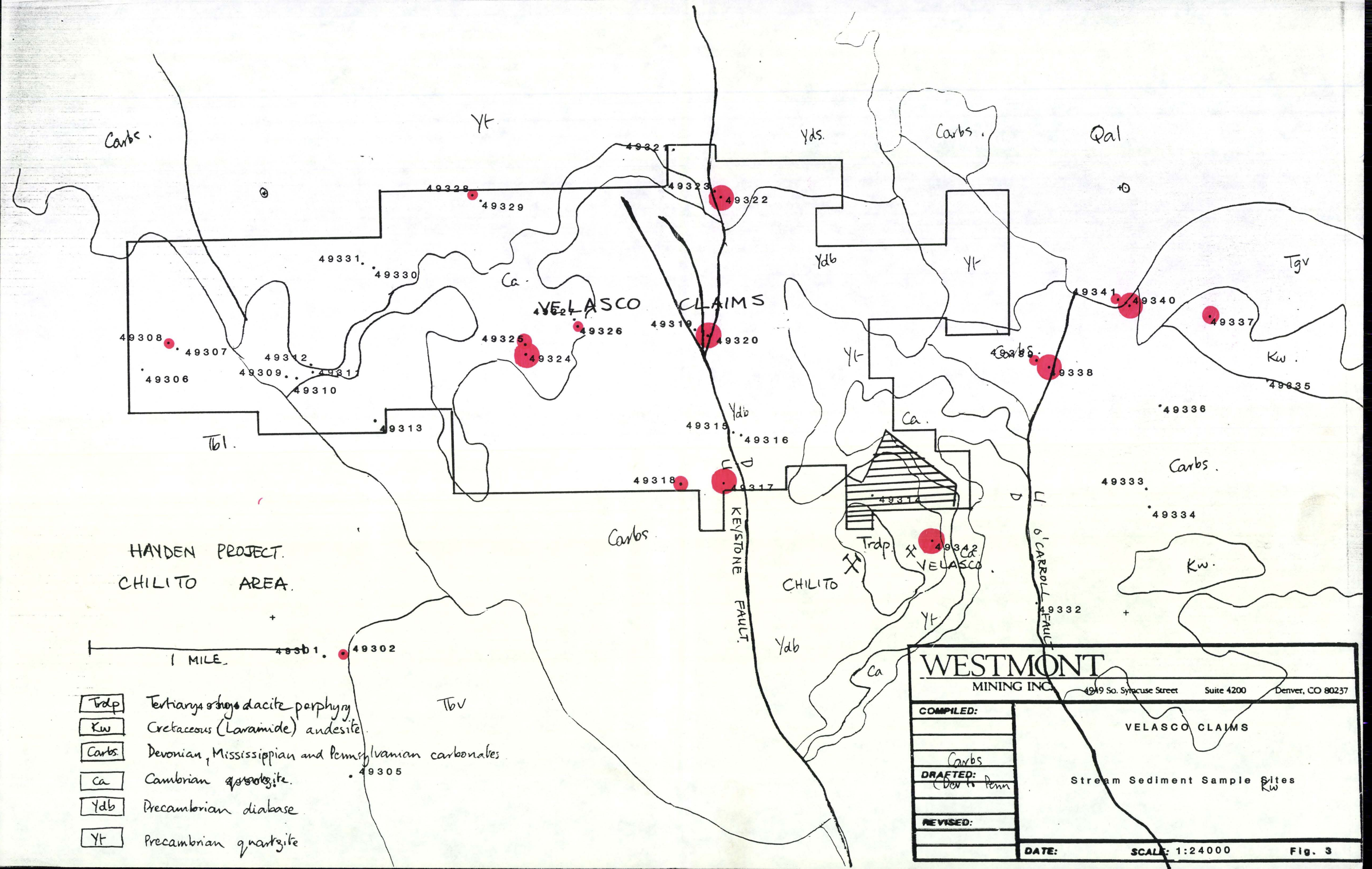
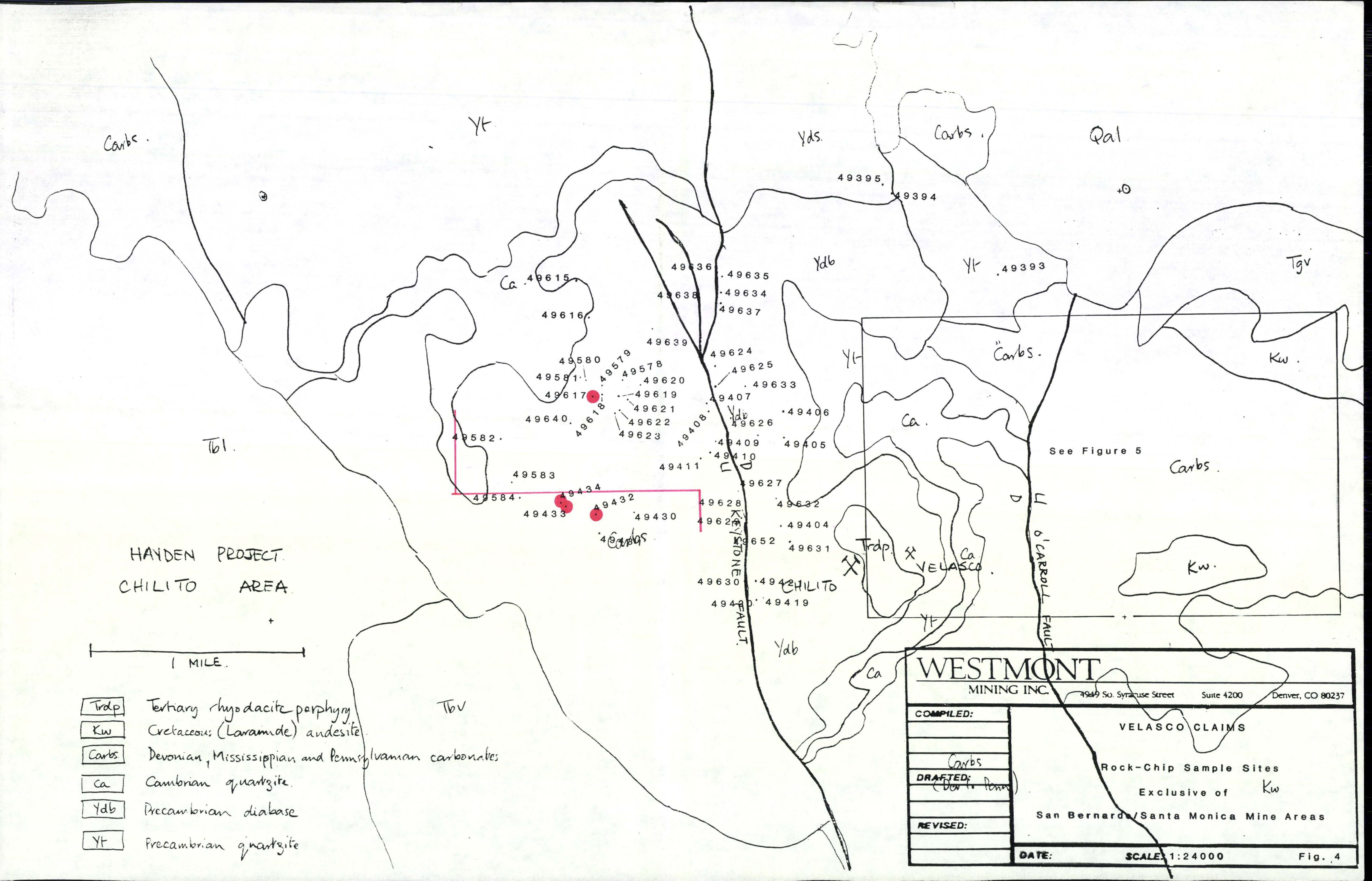


HAYDEN PROJECT
CHILITO AREA
VELASCO CLAIMS
KEYSTONE FAULT
O'CARROLL FAULT
CHILITO
VELASCO
1 MILE
Trdp Tertiary dacite porphyry
Kw Cretaceous (Laramide) andesite
Carbs. Devonian, Mississippian and Pennsylvanian carbonates
Ca Cambrian quartzite
Ydb Precambrian diabase
Yt Precambrian quartzite
WESTMONT MINING INC.
4949 So. Syracuse Street Suite 4200 Denver, CO 80237
COMPILED:
DRAFTED:
REVISED:
VELASCO CLAIMS
Stream Sediment Sample Sites
DATE:
SCALE: 1:24000
Fig. 3



HAYDEN PROJECT
CHILITO AREA
1 MILE
Trdp Tertiary rhyodacite porphyry
Kw Cretaceous (Laramide) andesite
Carbs Devonian, Mississippian and Pennsylvanian carbonates
Ca Cambrian quartzite
Ydb Precambrian diabase
Yt Precambrian quartzite
Carbs
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Yds
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Ca
Tbl
Tbv
Kw
See Figure 5
KEYSTONE FAULT
O'CARROLL FAULT
VELASCO
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WESTMONT MINING INC.
4949 So. Syracuse Street Suite 4200 Denver, CO 80237
COMPILED:
DRAFTED:
REVISED:
VELASCO CLAIMS
Rock-Chip Sample Sites
Exclusive of Kw
San Bernardo/Santa Monica Mine Areas
DATE:
SCALE: 1:24000
Fig. 4


Tbl
Tbv


DRIPPING SPRING MOUNTAINS
Tam O'Shanter Peak
2126
2125
2124
2127–2136
2137–2161
2162
Spring
Keystone Canyon
Santa Monica Camp
San Bernardo Mine
Chilito Mine
Velasco Pit
Water Tank
Wells
New Year Mine
Tornado Peak
Canyon
Copper Canyon
JEEP TRAIL
Wash
BM 2254
GILA CO
PINAL CO
INDEFINITE BOUNDARY
Springs

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-04179.0 (COMPLETE)

REFERENCE INFO: C.F. MIN 88-576

CLIENT: WESTMONT MINING INC.
PROJECT: NONE GIVEN

SUBMITTED BY: C.F. MINERALS
DATE PRINTED: 18-JUL-88

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
C CONCENTRATE (PAN/HM)	51	4 AS REC'D	51	AS RECEIVED, NO SP	42
				LARGE VIAL SURCHARGE	51

REMARKS: SOME DETECTION LIMITS ARE ELEVATED DUE TO HIGH
LEVELS OF BA,HF,LA AND TH.
RESULTS ON SMALL SAMPLES ARE ESTIMATES.

REPORT COPIES TO: ATTN: H. DUMMETT
C.F. MINERALS RESEARCH

INVOICE TO: ATTN: H. DUMMETT

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ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	WT	Sample Weight (0.1)	51	0.1 gm		
2	Au	Gold	51	5 PPB	NOT APPLICABLE	INST. NEUTRON ACTIV.
3	Ag	Silver	51	5 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
4	As	Arsenic	51	1 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
5	Ba	Barium	51	100 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
6	Br	Bromine	51	1 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
7	Cd	Cadmium	51	10 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
8	Ce	Cerium	51	10 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
9	Co	Cobalt	51	10 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
10	Cr	Chromium	51	50 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
11	Cs	Cesium	51	1 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
12	Eu	Europium	51	2 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
13	Fe	Iron	51	0.5 PCT	NOT APPLICABLE	INST. NEUTRON ACTIV.
14	Hf	Hafnium	51	2 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
15	Ir	Iridium	51	100 PPB	NOT APPLICABLE	INST. NEUTRON ACTIV.
16	La	Lanthanum	51	5 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
17	Lu	Lutetium	51	0.5 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
18	Mo	Molybdenum	51	2 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
19	Na	Sodium	51	0.05 PCT	NOT APPLICABLE	INST. NEUTRON ACTIV.
20	Ni	Nickel	51	50 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
21	Rb	Rubidium	51	10 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
22	Sb	Antimony	51	0.2 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
23	Sc	Scandium	51	0.5 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
24	Se	Selenium	51	10 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
25	Sm	Samarium	51	0.1 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
26	Sn	Tin	51	200 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
27	Ta	Tantalum	51	1 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
28	Tb	Terbium	51	1 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
29	Te	Tellurium	51	20 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
30	Th	Thorium	51	0.5 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
31	U	Uranium	51	0.5 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
32	W	Tungsten	51	2 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
33	Yb	Ytterbium	51	5 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
34	Zn	Zinc	51	200 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
35	Zr	Zirconium	51	500 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.

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Geochemical Lab Report

WESTMONT MINING INC.
ATTN: H. DUMMETT
#12-2341 SOUTH FRIEBUS
TUCSON, AZ. 85713

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
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BONDAR-CLEGG

Geochemical Lab Report

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PROJECT: NONE GIVEN

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14	Hf	Hafnium	51	2 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
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16	La	Lanthanum	51	5 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
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22	Sb	Antimony	51	0.2 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
23	Sc	Scandium	51	0.5 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
24	Se	Selenium	51	10 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
25	Sm	Samarium	51	0.1 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
26	Sn	Tin	51	200 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
27	Ta	Tantalum	51	1 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
28	Tb	Terbium	51	1 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
29	Te	Tellurium	51	20 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
30	Th	Thorium	51	0.5 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
31	U	Uranium	51	0.5 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
32	W	Tungsten	51	2 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
33	Yb	Ytterbium	51	5 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
34	Zn	Zinc	51	200 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.
35	Zr	Zirconium	51	500 PPM	NOT APPLICABLE	INST. NEUTRON ACTIV.

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Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-04179.0

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SAMPLE NUMBER	ELEMENT UNITS	WT gm	Au PPB	Ag PPM	As PPM	Ba PPM	Br PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cs PPM	Eu PPM
C4 49301		39.9	<5	<5	148	1300	100	<10	150	71	200	8	4
C4 49301		40.9	6	<5	129	1200	91	<10	200	84	250	9	4
C4 49302		67.4	15	<5	160	580	110	<10	140	98	210	7	3
C4 49302		72.2	250	<5	163	580	110	<10	160	99	300	8	5
C4 49303		50.5	6	<5	123	480	150	<10	140	77	200	8	<2
C4 49303		51.0	16	<5	117	420	160	<10	180	71	200	9	4
C4 49304		6.0	3190	<5	49	18600	41	<10	180	14	180	10	4
C4 49305		52.7	6	<5	80	320	47	<10	120	76	120	9	<2
C4 49306		2.9	71	13	15	990	<5	<10	28	<10	240	2	<2
C4 49307		2.7	<20	<16	36	>30000	36	<24	490	66	310	6	10
C4 49308		4.5	350	<11	37	11800	34	<10	320	37	380	<2	12
C4 49309		3.2	<24	<15	15	>30000	17	<24	500	16	<190	<3	12
C4 49310		4.9	<20	<16	36	>30000	36	<24	490	66	310	6	10
C4 49311		3.6	<19	<15	63	18600	110	<23	440	62	160	8	15
C4 49312		1.7	<13	<5	76	1200	77	<10	350	41	430	6	8
C4 49313		12.9	12	<5	368	5900	230	<10	880	220	130	6	9
C4 49314		66.0	<24	<15	15	>30000	17	<24	500	16	<190	<3	12
C4 49314		17.9	480	<5	77	350	210	11	170	160	98	4	6
C4 49315		70.2	45	<14	36	>30000	62	<22	970	65	110	<3	23
C4 49315		71.6	78	<5	16	170	31	<10	29	110	2100	<1	<2
C4 49316		31.6	<19	<15	63	18600	110	<23	440	62	160	8	15
C4 49317		48.4	3210	<5	12	290	61	<10	66	75	2000	2	3
C4 49317		49.4	<24	<18	38	>30000	88	<29	820	98	140	<3	15
C4 49318		16.6	862	<5	840	610	170	<10	510	91	92	1	8
C4 49319		2.0	12	<5	368	5900	230	<10	880	220	130	6	9
C4 49320		43.7	1170	<5	97	460	230	<10	190	170	59	4	7
C4 49320		18.5	480	<5	77	350	210	11	170	160	98	4	6
C4 49321		21.9	10	<5	11	<100	23	<10	16	83	2000	<1	<2
C4 49322		48.9	78	<5	16	170	31	<10	29	110	2100	<1	<2
C4 49322		38.1	6150	<5	36	1900	130	<10	410	75	110	3	12
C4 49323		1.5	23	<16	101	830	49	<28	520	45	170	7	14
C4 49324		17.8	3210	<5	12	290	61	<10	66	75	2000	2	3
C4 49325		10.6	862	<5	840	610	170	<10	510	91	92	1	8
C4 49326		0.8	430	<20	78	1100	77	<20	670	22	180	<4	15
C4 49327		1.5	57	<13	280	3500	43	<23	580	15	810	<3	11
C4 49328		1.7	190	<22	68	3400	87	<35	580	110	130	5	10
C4 49329		3.7	<18	<13	156	2700	130	<22	400	120	170	7	13
C4 49330		2.5	44	<5	2	<100	21	<10	25	69	2500	<1	<2
C4 49331		1.2	12	<5	1	<100	15	<10	15	71	2600	<1	<2
C4 49332		56.3	<5	<5	22	570	63	<10	380	34	65	7	8

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SAMPLE NUMBER	ELEMENT UNITS	Fe PCT	Hf PPM	Ir PPB	La PPM	Lu PPM	Mo PPM	Na PCT	Ni PPM	Rb PPM	Sb PPM	Sc PPM	Se PPM
C4 49301		26.0	28	<100	98	0.7	17	0.31	68	<10	8.4	34.0	<10
C4 49301		28.0	53	<100	120	1.0	16	0.34	59	<10	7.7	41.0	<10
C4 49302		27.0	13	<100	89	0.9	13	0.29	82	<10	10.0	60.2	<10
C4 49302		28.0	34	<100	100	1.3	13	0.29	71	15	10.0	64.4	<10
C4 49303		21.0	14	<100	84	0.8	11	0.26	<50	<10	8.4	60.8	<10
C4 49303		21.0	82	<100	110	1.9	9	0.30	<50	20	8.6	65.7	<10
C4 49304		8.0	140	<100	97	1.4	8	0.30	<50	23	4.6	18.0	<10
C4 49305		19.0	30	<100	67	0.7	14	0.19	50	11	7.0	20.0	11
C4 49306		1.1	<2	<100	20	<0.5	<2	0.29	<50	120	8.6	2.7	<10
C4 49307		7.5	749	<100	180	<8.4	<7	0.21	<76	72	10.0	67.9	34
C4 49308		5.7	458	<100	150	6.5	<5	0.24	130	<31	8.3	47.0	<23
C4 49309		4.1	1130	<210	200	<21.0	9	0.10	<68	<34	3.5	100.0	44
C4 49310		7.5	749	<100	180	<8.4	<7	0.21	<76	72	10.0	67.9	34
C4 49311		7.7	1300	<100	160	<17.0	9	0.17	<70	65	6.7	121.0	<30
C4 49312		16.0	308	<100	180	<3.6	15	0.15	65	<28	10.0	38.0	19
C4 49313		33.0	140	<100	513	<3.7	48	0.22	190	34	24.6	26.0	16
C4 49314		4.1	1130	<210	200	<21.0	9	0.10	<68	<34	3.5	100.0	44
C4 49314		28.0	44	<100	89	1.7	27	0.33	63	29	3.5	46.0	<10
C4 49315		8.1	1510	<100	340	<26.0	<8	0.15	<64	59	9.0	113.0	<30
C4 49315		11.0	8	<100	15	<0.5	<2	0.57	280	<10	0.8	131.0	<10
C4 49316		7.7	1300	<100	160	<17.0	9	0.17	<70	65	6.7	121.0	<30
C4 49317		8.6	24	<100	37	0.8	<2	0.56	200	<10	1.8	117.0	<10
C4 49317		10.0	719	<220	260	<7.7	24	0.13	<84	74	7.4	71.6	<38
C4 49318		26.0	57	<100	310	2.3	57	0.22	58	<21	25.9	17.0	15
C4 49319		33.0	140	<100	513	<3.7	48	0.22	190	34	24.6	26.0	16
C4 49320		35.0	40	<100	110	2.3	30	0.26	64	23	4.6	53.6	<10
C4 49320		28.0	44	<100	89	1.7	27	0.33	63	29	3.5	46.0	<10
C4 49321		8.3	12	<100	11	0.6	<2	0.52	240	<10	0.6	115.0	<10
C4 49322		11.0	8	<100	15	<0.5	<2	0.57	280	<10	0.8	131.0	<10
C4 49322		8.8	64	<100	200	3.3	4	0.53	<50	23	20.1	51.3	<10
C4 49323		5.1	498	<100	240	<5.5	10	0.26	96	<48	6.1	31.0	33
C4 49324		8.6	24	<100	37	0.8	<2	0.56	200	<10	1.8	117.0	<10
C4 49325		26.0	57	<100	310	2.3	57	0.22	58	<21	25.9	17.0	15
C4 49326		3.4	527	<200	310	<7.0	30	<0.10	120	<64	8.1	25.0	<45
C4 49327		5.5	235	<100	290	<4.5	91	0.25	<63	<39	35.1	31.0	29
C4 49328		19.0	957	<240	280	<17.0	13	0.10	210	<59	17.0	87.5	45
C4 49329		29.0	640	<100	200	<7.7	24	0.16	270	54	17.0	54.6	<24
C4 49330		7.9	17	<100	14	0.8	<2	0.66	230	<10	0.4	124.0	<10
C4 49331		7.7	2	<100	6	<0.5	<2	0.51	210	<10	0.2	122.0	<10
C4 49332		3.4	250	<100	160	<4.1	5	0.45	50	89	3.1	28.0	<10

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SAMPLE NUMBER	ELEMENT UNITS	Sm PPM	Sn PPM	Ta PPM	Tb PPM	Te PPM	Th PPM	U PPM	W PPM	Yb PPM	Zn PPM	Zr PPM
C4 49301		15.0	<200	2	2	<20	12.0	5.2	8	<5	<200	1200
C4 49301		18.0	<200	3	3	<20	18.0	5.9	6	6	<200	2400
C4 49302		16.0	<200	2	2	<20	12.0	6.2	5	<5	340	<500
C4 49302		18.0	<200	2	3	<20	18.0	7.8	5	8	430	1700
C4 49303		15.0	<200	2	2	<20	11.0	5.4	<2	6	280	<500
C4 49303		22.0	<200	3	4	<20	26.0	10.0	4	11	270	3800
C4 49304		21.0	<200	4	3	<41	24.0	8.5	5	11	<200	7200
C4 49305		11.0	<200	1	2	<20	10.0	7.3	7	<5	240	1500
C4 49306		2.7	<200	<1	<1	<20	4.6	1.3	24	<5	<200	<500
C4 49307		54.8	<640	19	23	<110	146.0	69.9	27	80	350	>30000
C4 49308		38.0	<460	13	16	<67	81.8	41.0	21	50	<200	23000
C4 49309		51.7	<760	24	36	<130	207.0	100.0	30	150	200	>30000
C4 49310		54.8	<640	19	23	<110	146.0	69.9	27	80	350	>30000
C4 49311		88.3	590	28	44	<96	270.0	131.0	24	180	290	>30000
C4 49312		39.0	<200	10	11	<57	71.5	31.0	12	36	220	16000
C4 49313		60.8	<200	6	8	64	91.9	20.0	12	24	500	7900
C4 49314		51.7	<760	24	36	<130	207.0	100.0	30	150	200	>30000
C4 49314		25.0	<200	4	4	<20	17.0	8.1	12	12	360	2400
C4 49315		102.0	580	32	44	<94	294.0	135.0	42	170	310	>30000
C4 49315		7.1	<200	<1	1	<20	1.8	1.1	3	<5	<200	<500
C4 49316		88.3	590	28	44	<96	270.0	131.0	24	180	290	>30000
C4 49317		13.0	<200	2	3	<20	5.6	2.5	32	5	<200	1400
C4 49317		67.8	<730	21	29	<110	176.0	75.3	57	95	410	>30000
C4 49318		54.7	<200	4	8	<52	35.0	12.0	11	15	590	3100
C4 49319		60.8	<200	6	8	64	91.9	20.0	12	24	500	7900
C4 49320		32.0	<200	6	6	<20	17.0	10.0	20	13	370	2000
C4 49320		25.0	<200	4	4	<20	17.0	8.1	12	12	360	2400
C4 49321		6.2	<200	<1	1	<20	2.7	1.1	<2	<5	<200	660
C4 49322		7.1	<200	<1	1	<20	1.8	1.1	3	<5	<200	<500
C4 49322		82.4	<200	6	14	<40	24.0	8.9	280	22	220	3900
C4 49323		55.1	<620	15	15	<93	89.5	38.0	15	49	280	25000
C4 49324		13.0	<200	2	3	<20	5.6	2.5	32	5	<200	1400
C4 49325		54.7	<200	4	8	<52	35.0	12.0	11	15	590	3100
C4 49326		85.0	<920	17	18	<130	259.0	42.0	23	52	740	26000
C4 49327		65.6	<610	13	14	<95	79.3	17.0	8	30	1100	11000
C4 49328		58.6	<850	39	33	<120	204.0	108.0	48	110	480	>30000
C4 49329		47.0	<530	14	19	<87	139.0	67.3	21	72	510	>30000
C4 49330		6.7	<200	<1	2	<20	3.4	1.4	<2	<5	<200	860
C4 49331		3.6	<200	<1	1	<20	<0.5	0.5	<2	<5	<200	<500
C4 49332		48.0	<200	10	11	<20	53.9	24.0	11	31	<200	12000

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SAMPLE NUMBER	ELEMENT UNITS	WT gm	Au PPB	Ag PPM	As PPM	Ba PPM	Br PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cs PPM	Eu PPM
C4 49333		15.4	5	<5	19	330	43	<10	170	41	<50	<1	4
C4 49334		32.8	<5	<5	9	<100	29	<10	25	65	1700	2	<2
C4 49335		3.2	19	<5	12	230	33	<10	39	72	1900	2	<2
C4 49336		59.0	23	<16	101	830	49	<28	520	45	170	7	14
C4 49336		35.8	10	<5	46	240	73	<10	120	130	<50	<1	4
C4 49337		23.7	839	<5	310	1900	150	<10	560	120	250	6	5
C4 49338		17.5	10300	18	65	570	47	46	290	34	83	<1	5
C4 49339		65.5	230	<5	18	2100	78	<10	130	64	120	10	5
C4 49340		29.9	2750	<5	105	210	120	<10	600	47	65	<1	5
C4 49341		66.1	430	<20	78	1100	77	<20	670	22	180	<4	15
C4 49342		20.8	19900	77	719	690	140	<10	310	34	<50	2	3

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SAMPLE NUMBER	ELEMENT UNITS	Fe PCT	Hf PPM	Ir PPB	La PPM	Lu PPM	Mo PPM	Na PCT	Ni PPM	Rb PPM	Sb PPM	Sc PPM	Se PPM
C4 49333		10.0	57	<100	95	0.8	3	0.26	<50	<10	2.3	33.0	<10
C4 49334		7.3	5	<100	11	<0.5	<2	0.55	250	<10	0.7	108.0	<10
C4 49335		8.6	11	<100	18	0.6	<2	0.58	250	15	0.8	116.0	<10
C4 49336		5.1	498	<100	240	<5.5	10	0.26	96	<48	6.1	31.0	33
C4 49336		18.0	10	<100	73	<0.5	4	0.22	<50	<10	4.6	32.0	<10
C4 49337		30.0	120	<100	360	2.8	37	0.36	140	40	26.0	52.6	<10
C4 49338		8.6	130	<100	170	2.0	120	0.23	<50	22	6.1	34.0	<10
C4 49339		15.0	200	<100	51	4.8	9	0.63	110	37	3.5	109.0	<10
C4 49340		10.0	228	<100	430	1.1	58	0.54	<50	<10	4.3	17.0	<10
C4 49341		3.4	527	<200	310	<7.0	30	<0.10	120	<64	8.1	25.0	<45
C4 49342		9.4	110	<100	220	2.0	1450	0.16	<50	<20	11.0	16.0	<10

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SAMPLE NUMBER	ELEMENT UNITS	Sm PPM	Sn PPM	Ta PPM	Tb PPM	Te PPM	Th PPM	U PPM	W PPM	Yb PPM	Zn PPM	Zr PPM
C4 49333		16.0	<200	2	2	<20	16.0	5.1	<2	6	<200	2700
C4 49334		7.6	<200	<1	2	<20	1.5	0.8	10	<5	<200	730
C4 49335		10.0	<200	<1	2	<20	2.1	1.6	12	<5	<200	<500
C4 49336		55.1	<620	15	15	<93	89.5	38.0	15	49	280	25000
C4 49336		13.0	<200	<1	2	<20	5.0	3.7	<2	<5	<200	<500
C4 49337		41.0	<200	4	8	<46	64.2	16.0	10	20	440	5700
C4 49338		29.0	<200	5	4	<41.	37.0	14.0	13	13	11000	6100
C4 49339		25.0	<200	4	9	<20	49.0	22.0	6	31	220	9100
C4 49340		44.0	<200	2	4	<20	110.0	11.0	<2	6	1300	12000
C4 49341		85.0	<920	17	18	<130	259.0	42.0	23	52	740	26000
C4 49342		21.0	<200	6	5	170	25.0	16.0	31	7	2600	5500

Sample assays by rock type

DIABASE (Ydb)		
sample #	Au (ppm)	Ag (ppm)
~~$~~	~~0.10~~	~~0.65~~
49347	0.10	0.65
49353	0.03	0.41
49405	0.07	0.69
49418	0.14	14.06
49421	0.21	89.83
49451	0.02	17.21
BASALT (Kw)		
49359	ND	ND
49360	ND	1.17
49412	0.14	10.29
49415	0.03	ND
49469	ND	0.10
49470	0.03	ND
49471	0.03	1.34
49480	0.24	72.69
49486	0.07	5.62
49525	0.48	210.24
49526	0.21	5.83
BRECCIA		
~~$~~		
49390	0.21	0.41
49408	0.03	8.57

Sample assays by rock type

GOSSAN

Sample #		Au (ppm)	Ag (ppm)
49388		0.34	14.33
49398		0.20	5.21
49399		0.41	28.66
49400		0.10	44.57
49401		0.03	37.37
49416		0.45	66.51
49430		0.55	0.69
49432		3.15	31.54
49433		1.23	21.74
49434		2.54	18.99
49435		7.82	25.92
49436		9.87	10.89
49465		ND	1.17
49505	(ss)	0.79	10.22
49506	(Dm)	0.07	5.45
49507	(Dm)	0.38	18.51
49508	(ss+ls)	0.24	18.51
49510	(IPn)	0.03	36.55
49511	(Dm)	2.70	140.68
49541		3.84	6.45
49545	(Me)	11.04	62.06
49546	(Me)	1.68	71.45
49548		0.85	4.18
49557	(Me)	0	
49560		0.27	13.44
49562		1.37	13.54
49568			
49570			
49571			
49575			

Sample assays by rock type

SKARN

sample #	Au (ppm)	Ag (ppm)		
49368	ND	4.87		
49396	0.27	0.41		
49397	0.14	10.08		
49403	0.62	137.14		
49429	0.38	3.09		
49439	3.15	17.07		
49531 (Yme)	ND	0.07		
49542 (Ꞓa)	2.13	7.13		
49544 (Me)	0.02	0.27		
49552 (ℙn)	0.02	ND		
49565	ND	0.07		
49567				
49573 (ℙn)				
49574 (ℙn)				
49576 (Ꞓa)				
49577 (Ꞓa)				
49582 (Dm)				
49584 (Dm)				
49588 (Ꞓa)				
49589				
49590				
49591				
49592				
49593				
49594				
49595				
49596				
49597				
49598				
49599				
49600				
49601				
49602				

Sample assays by rock type

QUARTZITE (Ꞓa) + SS + SILTST (Yds)

sample #	Au (ppm)	Ag (ppm)
49354	0.01	0.31
49358	0.07	3.19
49363	0.05	5.52
49364	1.85	25.06
49365	0.58	36.75
49366	0.55	7.27
49369	0.41	9.53
49372	0.14	8.54
49374	0.10	2.98
49376	12.82	48.81
49377	3.22	107.76
49379	0.51	10.90
49380	ND	4.32
49381	0.53	27.43
49384	0.69	32.43
49385	0.89	52.46
49386	0.82	16.80
49389	2.47	25.71
49391	0.82	1.37
49512 (Yds)	0.01	15.63
49513 (Yds)	0.01	191.90
49516 (Yds)	ND	2.81
49517	0.02	1169.36
49519	0.02	0.89
49534 (Ydb+sh)	ND	0.86

CHERT / JASPER

sample #	Au (ppm)	Ag (ppm)
49561	1.03	ND
49564	ND	ND
49578		

Sample assays by rock type

COLUMN WRITE ®

LIMESTONE (Dpm)

Sample #	Au (ppm)	Ag (ppm)
49348	0.07	1.27
49349	0.10	0.55
49350	0.27	ND
49351	0.07	0.58
49352	0.82	2.37
49355	0.07	0.93
49367	0.10	4.39
49370	0.24	22.42
49371	0.23	18.34
49373	1.71	34.63
49375	0.14	3.50
49378	0.31	2.57
49382	0.96	3.02
49383	0.07	8.78
49579		
49580		
49581		
49583		

STREAM SEDIMENT

Sample #	Au (ppm)	Ag (ppm)
49393	0.07	4.46
49394	0.06	ND
49395	0.07	ND

MISCELLANEOUS

Sample #	Au (ppm)	Ag (ppm)
49426 (black cc)	0.14	12.69
49445 (sh)	ND	ND
49462 (cong - Tbl)	ND	0.31
49463 (MnOx)	ND	0.55

Sample assays by rock type

LIMESTONE

sample #	Au (ppm)	Ag (ppm)
~~#a~~		
49404 (Ym)	0.07	11.66
49407	0.14	9.39
49409 (Me)	0.24	25.37
49411 (Me)	0.07	6.51
49413 (IPn)	0.03	2.06
49414 (IPn)	0.65	38.74
49425	0.03	2.74
49428 (Me)	ND	0.68
49431 (Me)	0.07	1.37
49437 (Me)	0.27	3.84
49440 (Me)	0.06	3.77
49446	0.03	0.89
49448	0.03	13.58
49449	0.05	138.45
49450	0.01	ND
49464	ND	ND
49514 (Yme)	ND	ND
49515 (Yme)	ND	ND
49518	ND	3.53
49533 (Yme)	ND	0.58
49547 (Me)	0.03	ND
49549 (Me)	0.03	ND
49550 (IPn)	0.03	ND
49558 (Me)		
49563 (bxxa)	ND	0.82
49566		
49569		
49572 (IPn)		
49579		
49580 (Dm)		
49581		
49583 (Dm)		

Sample assays by rock type

DOLOMITE

Sample #	Au (ppm)	Ag (ppm)
49356	0.03	ND
49357	0.03	ND
49361	ND	0.89
49362	0.03	ND

QUARTZ VEIN

Sample #	Au (ppm)	Ag (ppm)
49392	0.69	58.28
49402	0.51	167.66
49406	0.89	92.22
49410	2.50	229.72
49419 (ydb)	0.24	9.26
49420 (ydb)	0.14	14.06
49422	0.14	38.61
49424	1.30	281.49
49427	0.14	25.10
49452	0.03	22.08
49453	ND	ND
49455	1.13	6.57
49456	28.97	2.33
49457	5.82	1.89
49458	3.46	2.57
49459	2.30	93.70
49460	0.48	0.65
49461	1.27	21.81
49476	3.98	8.74
49477	55.17	43.51
49478	0.62	311.35
49479 (bas)	0.14	15.80
49482 (bas)	0.58	360.24
49484 (vol)	1.10	83.31
49485 (vol)	3.50	52.46

QUARTZ VEIN cont'd

~~[illegible]~~

sample #	Au (ppm)	Ag (ppm)
49489 (Kwc)	0.27	5.06
49490 (Kwc)	1.54	61.58
49491 (por)	4.87	32.54
49492 (Kwc)	2.61	88.29
49493	14.26	92.81
49498 (por)	0.02	101.35
49500	1.10	78.27
49501	1.47	245.52
49502	0.86	3.33
49503	1.33	453.36
49504	0.72	838.22

PORPHYRY

49438	49.58	5.69
49447	0.07	19.71
49472	ND	0.14
49473	0.24	10.11
49474	0.48	81.15
49475	4.42	36.03
49481	0.31	52.49
49483	1.10	165.26
49487	0.03	1.10
49496	0.01	0.86
49499	0.01	1.58
49520	ND	2.16
49521	ND	1.03
49522	0.01	1.99
49523	0.73	1366.13
49524	ND	8.54
49527	0.77	29.21
49543	0.04	ND
49551	0.02	ND

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-054-F
PROJECT NO. 1056
DATE 6-10-88

MSRD NO.	SAMPLE IDENTIFICATION	Rock Chips		Au ppm	Ag ppm				
09140	49359	"		ND	ND				
09141	60	"		ND	1.17				
09142	61	"		ND	0.89				
09143	62	"		0.03	ND				
09144	63	"		0.05	5.52				
09145	64	"		1.85	25.06				
09146	65	"		0.58	36.75				
09147	66	"		0.55	7.27				
09148	67	"		0.10	4.39				
09149	68	"		ND	4.87				
09150	69	"		0.41	9.53				
09151	70	"		0.24	22.42				
09152	71	"		0.23	18.34				
09153	72	"		0.14	8.54				
09154	73	"		1.71	34.63				
09155	74	"		0.10	2.98				
09156	75	"		0.14	3.50				
09157	76	"		12.82	48.31				
09158	77	"		3.22	107.76				
09159	78	"		0.31	2.57				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

20	Fire Assay Au&Ag	@ $ 10.00 :	$ 200.00
20	Sample Prep	@ $ 3.50 :	$ 70.00
		@ $:	$
		@ $:	$

		@ $:	$
		@ $:	$
		@ $:	$
		@ $:	$

Total Charge $ 270.00

ND (None Detected)

REGISTERED ASSAYER CERTIFICATE NO. 12210 MARVIN D. SCHLOTTMAN DATE SIGNED 6/10/88 Arizona U.S.A.

Marvin D. Schlottman

Registered Assayer

mrd-08

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-055-F
PROJECT NO. 1056
DATE 6-10-88

MSRD NO.	SAMPLE IDENTIFICATION	Rock Chips		Au ppm	Ag ppm					
09160	49379	"		0.51	10.90					
09161	80	"		ND	4.32					
09162	81	"		0.55	27.43					
09163	82	"		0.96	3.02					
09164	83	"		0.07	8.78					
09165	84	"		0.69	32.43					
09166	85	"		0.89	52.46					
09167	86	"		0.82	16.80					
09168	87	"		0.07	6.93					
09169	88	"		0.34	14.33					
09170	89	"		2.47	25.71					
09171	90	"		0.21	0.41					
09172	91	"		0.82	1.37					
09173	92	"		0.69	58.28					
09174	93	"		0.07	4.46					
09175	94	"		0.06	ND					
09176	95	"		0.07	ND					
09177	96	"		0.27	0.41					
09178	97	"		0.14	10.08					
09179	98	"		0.20	5.21					

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

20 Fire Assay Au&Ag @ $ 10.00 : $ 200.00
20 Sample Prep @ $ 3.50 : $ 70.00
@ $: $
@ $: $

Total Charge $ 270.00

ND (None Detected)

REGISTERED ASSAYER CERTIFICATE NO. 12210 MARVIN D. SCHLOATMAN DATE SIGNED 6/10/88 Arizona U.S.A.

Marvin D Schloatman
Registered Assayer

msrd-08

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-056-F
PROJECT NO. 1056
DATE 6-10-88

MSRD NO.	SAMPLE IDENTIFICATION	Rock Chips		Au ppm	Ag ppm				
09180	49399	"		0.41	28.66				
09181	49440	"		0.10	44.57				
09182	49441	"		4.53 4.25	5.42 4.53				
09183	401	"		0.03	37.37				
09184	402	"		0.51	167.66				
09185	403	"		0.62	137.14				
09186	404	"		0.07	11.66				
09187	405	"		0.07	0.69				
09188	406	"		0.89	92.22				
09189	407	"		0.14	9.39				
09190	408	"		0.03	8.57				
09191	409	"		0.24	25.37				
09192	410	"		2.50	229.72				
09193	411	"		0.07	6.51				
09194	412	"		0.14	10.29				
09195	413	"		0.03	2.06				
09196	414	"		0.65	38.74				
09197	415	"		0.03	ND				
09198	416	"		0.45	66.51				
09199	417	"		0.03	ND				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

20 Fire Assay Au&Ag @ $10.00 : $200.00
20 Sample Prep @ $3.50 : $70.00
@ $: $
@ $: $

@ $: $
@ $: $
@ $: $
@ $: $

REGISTERED ASSAYER
CERTIFICATE NO. 12210
MARVIN D. SCHLOATMAN
DATE SIGNED 6/10/88
Arizona U.S.A.

Total Charge $ 270.00

ND (None Detected)

Marvin D. Schloatman
Registered Assayer

msrd-08

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-057-F
PROJECT NO. 1056
DATE 6-10-88

MSRD NO.	SAMPLE IDENTIFICATION	Rock Chips		Au ppm	Ag ppm				
09200	49418	"		0.14	14.06				
09201	419	"		0.24	9.26				
09202	420	"		0.14	14.06				
09203	49442	"		ND ND	3.22 3.84				
09204	421	"		0.21	89.83				
09205	422	"		0.14	38.61				
09206	423	"		0.10	71.66				
09207	424	"		1.30	281.49				
09208	425	"		0.03	2.74				
09209	426	"		0.14	12.69				
09210	427	"		0.14	25.10				
09211	428	"		ND	0.68				
09212	429	"		0.38	3.09				
09213	430	"		0.55	0.69				
09214	431	"		0.07	1.37				
09215	432	"		3.15	31.54				
09216	433	"		1.23	21.74				
09217	434	"		2.54	18.99				
09218	435	"		7.82	25.92				
09219	436	"		9.87	12.89				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

20 Fire Assay Au&Ag @ $ 10.00 : $ 200.00

20 Sample Prep @ $ 3.50 : $ 70.00

____ ________ @ $______ : $________

____ ________ @ $______ : $________

____ ________ @ $______ : $________

____ ________ @ $______ : $________

____ ________ @ $______ : $________

____ ________ @ $______ : $________

Total Charge $ 270.00

ND (None Detected)

REGISTERED ASSAYER CERTIFICATE NO. 12210 MARVIN D. SCHLOATMAN DATE SIGNED 6/10/88 Arizona U.S.A.

Marvin D. Schloatman

Registered Assayer

mard-08

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-058-F
PROJECT NO. 1056
DATE 6-10-88

MSRD NO.	SAMPLE IDENTIFICATION	Rock Chips		Au ppm	Ag ppm				
09220	49437	"		0.27	3.84				
09221	438	"		49.58	5.69				
09222	439	"		3.15	17.07				
09223	440	"		0.06	3.77				
09224	49443	"		1.71 1.78	4.87 6.03				
09225	UG-1	"		0.27	16.94				
09226	2	"		1.30	229.02				
09227	3	"		0.69	24.21				
09228	45793	"		0.05	0.55				
09229	94	"		0.07	3.91				
09230	95	"		ND	3.84				
09231	96	"		0.55	2.61				
09232	Arana #1	"		72.82	ND				
09233	49444	"		0.07 0.05	1.10 2.67				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

14 Fire Assay Au&Ag @ $ 10.00 : $ 140.00

14 Sample Prep @ $ 3.50 : $ 49.00

Total Charge $ 189.00

ND (None Detected)

REGISTERED ASSAYER CERTIFICATE NO. 12210 MARVIN D. SCHLOATMAN DATE SIGNED 6/10/88

Marvin D. Schloatman

Registered Assayer

msrd-08

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-080-F
PROJECT NO. 1056
DATE 6-15-88

MSRD NO.	SAMPLE IDENTIFICATION			Au ppm	Ag ppm				
09405	49445			ND	ND				
09406	46			0.03	0.89				
09407	47			0.07	19.71				
09408	48			0.03	13.58				
09409	49			0.05	138.45				
09410	50			0.01	ND				
09411	51			0.02	17.21				
09412	52			0.03	22.08				
09413	53			ND	ND				
09414	54			ND	0.24				
09415	55			1.13	6.51				
09416	56			28.97	2.33				
09417	57			5.82	1.89				
09418	58			3.46	2.57				
09419	59			2.30	93.70				
09420	60			0.48	0.55				
09421	61			1.27	21.81				
09422	62			ND	0.31				
09423	63			ND	0.55				
09424	64			ND	ND				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

20 Fire Assay Au&Ag @ $ 10.00: $ 200.00
20 Sample Prep @ $ 3.50: $ 70.00
____ ____ @ $____: $____
____ ____ @ $____: $____

____ ____ @ $____: $____
____ ____ @ $____: $____
____ ____ @ $____: $____
____ ____ @ $____: $____

REGISTERED ASSAYER CERTIFICATE NO. 10230 MARVIN D. SCHLOATMAN DATE SIGNED 6/15/88 Arizona U. S. A.

Total Charge $ 270.00

ND (None Detected)

Registered Assayer

msrd-08

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-081-F
PROJECT NO. 1056
DATE 6-15-88

MSRD NO.	SAMPLE IDENTIFICATION			Au ppm	Ag ppm				
09425	49465			ND	1.17				
09426	66			1.64	3.50				
09427	67			4.46	6.93				
09428	68			ND	4.32				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

4 Au&Ag @ $10.00 : $ 40.00
4 Sample Prep @ $ 3.50 : $ 14.00
@ $: $
@ $: $

@ $: $
@ $: $
@ $: $
@ $: $

Total Charge $ 54.00

ND (None Detected)

REGISTERED ASSAYER
CERTIFICATE NO.
12210
MARVIN D.
SCHLOATMAN
6/15/88
DATE SIGNED
Arizona U. S. A.

Marvin D. Schloatman
Registered Assayer

msrd-08

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-023-G
PROJECT NO. 1056
DATE 7-7-88

MSRD NO.	SAMPLE IDENTIFICATION			Au ppm	Ag ppm	Cu %			
12319	49540	Rock Chips		0.03	0.82				
12320	41	"		3.84	6.45				
12321	42	"		2.13	7.13				
12322	43	"		0.04	ND				
12323	44	"		0.02	0.27				
12324	45	"		11.04	62.06				
12325	46	"		1.68	71.45				
12326	47	"		0.03	ND				
12327	48	"		0.85	4.18				
12328	49	"		0.03	ND				
12329	50	"		0.03	ND				
12330	51	"		0.02	ND				
12331	52	"		0.02	ND				
12332	53	"		0.27	4.70	AA 2.06			
12333	49560	"		0.27	13.44				
12334	61	"		1.03	ND				
12335	62	"		1.37	13.54				
12336	63	"		ND	0.82				
12337	64	"		ND	ND				
12338	65	"		ND	0.07				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

20	Fire Assay Au&Ag	@ $ 10.00:	$ 200.00
1	Cu AA	@ $ 5.50:	$ 5.50
20	Sample Prep	@ $ 3.00:	$ 60.00
		@ $:	$

@ $: $
@ $: $
@ $: $
@ $: $

REGISTERED ASSAYER CERTIFICATE NO. 12210 MARVIN D. SCHLOATMAN DATE SIGNED 7/7/88 Arizona U.S.A.

ND (None Detected)

Total Charge $ 265.50

Marvin D. Schloatman
Registered Assayer

msrd-08

Certificate of Analysis

MOUNTAIN STATES R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-024-G
PROJECT NO. 1056
DATE 7-7-88

MSRD NO.	SAMPLE IDENTIFICATION			Au ppm	Ag ppm				
12339	49554	Rock Chips		1.34	60.21				
12340	55	"		0.69	19.65				
12341	56	"		ND	ND				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

3	Fire Assay Au&Ag	@ $ 10.00	$ 30.00
3	Sample Prep	@ $ 2.00	$ 6.00

Total Charge $ 36.00

ND (None Detected)

REGISTERED ASSAYER CERTIFICATE NO. 12210 MARVIN D. SCHLOATMAN DATE SIGNED 7/8/88 Arizona U.S.A.

Registered Assayer

msrd-08

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-092-G
PROJECT NO. 1056
DATE 7-20-88

MSRD NO.	SAMPLE IDENTIFICATION			Au ppm	Ag ppm				
13223	49557			0.02	3.87				
13224	58			0.01	ND				
13225	59			0.01	0.10				
13226	49566			0.01	0.48				
13227	67			0.01	2.22				
13228	68			0.49	19.82				
13229	69			0.03	1.17				
13230	70			0.24	2.57				
13231	71			0.31	13.95				
13232	72			ND	ND				
13233	73			ND	ND				
13234	74			0.03	0.41				
13235	75			0.17	4.35				
13236	76			0.14	3.67				
13237	77			0.01	1.99				
13238	78			ND	1.82				
13239	79			ND	0.38				
13240	80			ND	0.10				
13241	81			ND	0.69				
13242	82			0.02	7.51				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

20 Fire Assay Au&Ag @ $ 10.00 : $ 200.00
20 Sample Prep @ $ 3.00 : $ 60.00
____ ____ @ $ ____ : $ ____
____ ____ @ $ ____ : $ ____

____ ____ @ $ ____ : $ ____
____ ____ @ $ ____ : $ ____
____ ____ @ $ ____ : $ ____
____ ____ @ $ ____ : $ ____

Total Charge $ 260.00

ND (None Detected)

REGISTERED ASSAYER CERTIFICATE NO. 12210 MARVIN D. SCHLOATMAN DATE SIGNED 7/20/88 Arizona U. S. A.

Marvin D Schloatman
Registered Assayer

msrd-08

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-093-G
PROJECT NO. 1056
DATE 7-20-88

MSRD NO.	SAMPLE IDENTIFICATION			Au ppm	Ag ppm				
13243	49583			ND	0.14				
13244	84			0.03	2.91				
13245	85			1.44	59.97				
13246	86			1.03	21.84				
13247	87			ND	ND				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

5 Fire Assay Au&Ag @ $ 10.00 : $ 50.00
2 Sample Prep @ $ 3.00 : $ 6.00
3 Sample Prep @ $ 3.50 : $ 10.50

Total Charge $ 66.50

ND (None Detected)

REGISTERED ASSAYER CERTIFICATE NO. 12210 MARVIN D. SCHLOATMAN DATE SIGNED 7/20/88 Arizona U.S.A.

Registered Assayer

msrd-08

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-091-G
PROJECT NO. 1056
DATE 7-20-88

MSRD NO.	SAMPLE IDENTIFICATION			Au ppm	Ag ppm				
13392	49588	Rock Chip		0.24	4.73				
13393	89	"		0.07	4.15				
13394	90	"		0.01	ND				
13395	91	"		1.75	11.90				
13396	92	"		0.03	1.75				
13397	93	"		0.01	ND				
13398	94	"		0.03	4.15				
13399	95	"		0.01	0.89				
13400	96	"		ND	0.03				
13401	97	"		0.07	3.12				
13402	98	"		0.10	3.60				
13403	99	"		0.03	ND				
13404	49600	"		0.01	ND				
13405	01	"		0.01	0.86				
13406	02	"		ND	ND				
13407	03	"		1.51	62.78				
13408	04	"		0.82	20.13				
13409	05	"		ND	1.17				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

18 Fire Assay Au&Ag @ $ 10.00 : $ 180.00
18 Sample Prep @ $ 3.00 : $ 54.00
@ $: $
@ $: $

@ $: $
@ $: $
@ $: $
@ $: $

Total Charge $ 234.00

ND (None Detected)

REGISTERED ASSAYER CERTIFICATE NO. 12210 MARVIN D. SCHLOATMAN DATE SIGNED 7/20/88 Arizona U. S. A.

Marvin D. Schloatman
Registered Assayer

msrd-08

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-169-G
PROJECT NO. 1056
DATE 7-27-88

MSRD NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm					
14045	49606	Rock Chips	0.01	ND					
14046	" 07		ND	ND					
14047	" 08		ND	ND					
14048	" 09		ND	ND					
14049	" 10		ND	ND					
14050	" 11		ND	ND					
14051	" 12		0.86 0.86	20.30 20.19					
14052	" 13		1.54 1.54	60.41 60.48					
14053	" 14		ND ND	ND ND					

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

12 Fire Assay Au&Ag @ $ 10.00 : $ 120.00
6 Sample Prep @ $ 3.00 : $ 18.00
3 Sample Prep @ $ 2.50 : $ 7.50
@ $: $

@ $: $

Total Charge $ 145.50

ND (None Detected)

REGISTERED ASSAYER CERTIFICATE NO. 12210 MARVIN D. SCHLOATMAN DATE SIGNED 7/28/88 Arizona U.S.A.

Marvin D. Schloatman
Registered Assayer

msrd-08

Certificate of Analysis

MOUNTAIN STATES R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-177-G
PROJECT NO. 1056
DATE 7-29-88

MSRD NO.	SAMPLE IDENTIFICATION			Au ppm	Ag ppm				
14291	49615	Rock Chip		0.02	ND				
14292	16	"		ND	1.23				
14293	17	"		0.72	15.98				
14294	18	"		ND	0.72				
14295	19	"		0.01	3.22				
14296	20	"		0.01	0.45				
14297	21	"		ND	0.10				
14298	22	"		ND	ND				
14299	23	"		ND	1.58				
14300	24	"		ND	ND				
14301	25	"		ND	ND				
14302	26	"		ND	ND				
14303	27	"		0.02	ND				
14304	28	"		ND	92.81				
14305	29	"		ND	6.99				
14306	30	"		ND	8.98				
14307	31	"		ND	0.65				
14308	32	"		ND	ND				
14309	33	"		ND	ND				
14310	34	"		0.01	ND				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

20 Fire Assay Au&Ag @ $ 10.00 : $ 200.00
20 Sample Prep @ $ 3.00 : $ 60.00
@ $: $
@ $: $

@ $: $
@ $: $
@ $: $
@ $: $

Total Charge $ 260.00

ND (None Detected)

REGISTERED ASSAYER CERTIFICATE NO. 12250 MARVIN D. SCHLOATMAN 7/29/88 DATE SIGNED Arizona U. S. A.

Marvin D. Schloatman
Registered Assayer

msrd-08

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-178-G
PROJECT NO. 1056
DATE 7-29-88

MSRD NO.	SAMPLE IDENTIFICATION			Au ppm	Ag ppm				
14311	49635	Rock Chip		ND	ND				
14312	36	"		ND	ND				
14313	37	"		0.07	ND				
14314	38	"		0.01	ND				
14315	39	"		0.01	ND				
14316	40	"		0.02	0.10				
14317	41	"		0.06	0.34				
14318	49652	"		ND	ND				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

8	Fire Assay Au&Ag	@ $10.00 :	$80.00
8	Sample Prep	@ $ 3.00 :	$24.00
		@ $:	$
		@ $:	$

@ $: $
@ $: $
@ $: $
@ $: $

Total Charge $ 104.00

ND (None Detected)

REGISTERED ASSAYER CERTIFICATE NO. 13210 MARVIN D. SCHLOATMAN DATE SIGNED 7/29/88

Marvin D Schloatman
Registered Assayer

msrd-08

San Bernardo

Certificate of Analysis

MOUNTAIN STATES
R & D INTERNATIONAL, INC.

CERTIFICATE NO. 88-002-F
PROJECT NO. 1056
DATE 05-27-88

MSRD NO.	SAMPLE IDENTIFICATION			Au ppm	Ag ppm				
08491	49347			0.10	0.65				
08492	49348			0.07	1.27				
08493	49349			0.10	0.55				
08494	49350			0.27	ND				
08495	49351			0.07	0.58				
08496	49352			0.82	2.37				
08497	49353			0.03	0.41				
08498	49354			0.01	0.31				
08499	49355			0.07	0.93				
08500	49356			0.03	ND				
08501	49357			0.03	ND				
08502	49358			0.07	3.19				

STATEMENT OF CHARGES. INVOICE WILL FOLLOW.

12 Au&Ag @ $ 10.00: $ 120.00
12 Sample Prep @ $ 3.50: $ 42.00
@ $: $
@ $: $

@ $: $
@ $: $
@ $: $
@ $: $

REGISTERED ASSAYER CERTIFICATE NO. 12210 MARVIN D. SCHLOATMAN 5/27/88 DATE SIGNED Arizona U. S. A.

Total Charge $ 162.00

ND (None Detected)

Marvin D. Schloatman
Registered Assayer

msrd-08

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

WESTMONT MINING INC.
ATTN: H. DUMMETT
#12-2341 SOUTH FRIEBUS
TUCSON, AZ. 85713

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
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Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-04182.0 (COMPLETE)

REFERENCE INFO: C.F. MIN 88-576

CLIENT: WESTMONT MINING INC.
PROJECT: NONE GIVEN

SUBMITTED BY: C.F. MINERALS
DATE PRINTED: 23-JUN-88

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	42	0.1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption
2	Cu	Copper	42	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
C CONCENTRATE (PAN/HM)	42	2 -150	42	PULVERIZING	42

REMARKS: Please note: Sample ID's should have
suffix -20HN

REPORT COPIES TO: ATTN: H. DUMMETT
C.F. MINERALS RESEARCH

INVOICE TO: ATTN: H. DUMMETT

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
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BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-04182.0

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM
C2 49301		<0.1	107
C2 49302		<0.1	139
C2 49303		<0.1	108
C2 49304		18.0	123
C2 49305		0.1	184
C2 49306		<0.1	256
C2 49307		0.2	202
C2 49308		<0.1	158
C2 49309		0.1	135
C2 49310		<0.1	161
C2 49311		0.1	317
C2 49312		<0.1	262
C2 49313		<0.1	338
C2 49314		0.3	538
C2 49315		0.3	63
C2 49316		6.9	129
C2 49317		0.3	115
C2 49318		<0.1	1500
C2 49319		1.5	640
C2 49320		0.1	30
C2 49321		<0.1	89
C2 49322		<0.1	39
C2 49323		<0.1	160
C2 49324		0.1	222
C2 49325		<0.1	64
C2 49326		2.1	665
C2 49327		<0.1	295
C2 49328		2.4	206
C2 49329		0.3	155
C2 49330		21.0	415
C2 49331		0.5	350
C2 49332		<0.1	51
C2 49333		2.9	110
C2 49334		0.3	87
C2 49335		26.0	1365
C2 49336		0.1	106
C2 49337		21.0	1840
C2 49338		5.8	1700
C2 49339		1.5	139
C2 49340		3.2	218

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM
C2 49341		5.6	92
C2 49342		>50.0	940

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, Vancouver, B.C.
-ada V7P 2R5
-one: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-04182.0 (COMPLETE)

REFERENCE INFO: C.F. MIN 88-576

CLIENT: WESTMONT MINING INC.
PROJECT: NONE GIVEN

SUBMITTED BY: C.F. MINERALS
DATE PRINTED: 23-JUN-88

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	42	0.1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption
2	Cu	Copper	42	1 PPM	HNO3-HCL HOT EXTR	Atomic Absorption

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
C CONCENTRATE (PAN/HM)	42	2 -150	42	PULVERIZING	42

REMARKS: Please note: Sample ID's should have
suffix -20HN

REPORT COPIES TO: ATTN: H. DUMMETT
C.F. MINERALS RESEARCH

INVOICE TO: ATTN: H. DUMMETT

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..mberton Ave.
.. Vancouver, B.C.
..ada V7P 2R5
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BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-04182.0

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM
C2 49301		<0.1	107
C2 49302		<0.1	139
C2 49303		<0.1	108
C2 49304		18.0	123
C2 49305		0.1	184
C2 49306		<0.1	256
C2 49307		0.2	202
C2 49308		<0.1	158
C2 49309		0.1	135
C2 49310		<0.1	161
C2 49311		0.1	317
C2 49312		<0.1	262
C2 49313		<0.1	338
C2 49314		0.3	538
C2 49315		0.3	63
C2 49316		6.9	129
C2 49317		0.3	115
C2 49318		<0.1	1500
C2 49319		1.5	640
C2 49320		0.1	30
C2 49321		<0.1	89
C2 49322		<0.1	39
C2 49323		<0.1	160
C2 49324		0.1	222
C2 49325		<0.1	64
C2 49326		2.1	665
C2 49327		<0.1	295
C2 49328		2.4	206
C2 49329		0.3	155
C2 49330		21.0	415
C2 49331		0.5	350
C2 49332		<0.1	51
C2 49333		2.9	110
C2 49334		0.3	87
C2 49335		26.0	1365
C2 49336		0.1	106
C2 49337		21.0	1840
C2 49338		5.8	1700
C2 49339		1.5	139
C2 49340		3.2	218

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM
C2 49341		5.6	92
C2 49342		>50.0	940

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-04179.0

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	WT gm	Au PPB	Ag PPM	As PPM	Ba PPM	Br PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cs PPM	Eu PPM
C4 49301		39.9	<5	<5	148	1300	100	<10	150	71	200	8	4
C4 49301		40.9	6	<5	129	1200	91	<10	200	84	250	9	4
C4 49302		67.4	15	<5	160	580	110	<10	140	98	210	7	3
C4 49302		72.2	250	<5	163	580	110	<10	160	99	300	8	5
C4 49303		50.5	6	<5	123	480	150	<10	140	77	200	8	<2
C4 49303		51.0	16	<5	117	420	160	<10	180	71	200	9	4
C4 49304		6.0	3190	<5	49	18600	41	<10	180	14	180	10	4
C4 49305		52.7	6	<5	80	320	47	<10	120	76	120	9	<2
C4 49306		2.9	71	13	15	990	<5	<10	28	<10	240	2	<2
C4 49307		2.7	<20	<16	36	>30000	36	<24	490	66	310	6	10
C4 49308		4.5	350	<11	37	11800	34	<10	320	37	380	<2	12
C4 49309		3.2	<24	<15	15	>30000	17	<24	500	16	<190	<3	12
C4 49310		4.9	<20	<16	36	>30000	36	<24	490	66	310	6	10
C4 49311		3.6	<19	<15	63	18600	110	<23	440	62	160	8	15
C4 49312		1.7	<13	<5	76	1200	77	<10	350	41	430	6	8
C4 49313		12.9	12	<5	368	5900	230	<10	880	220	130	6	9
C4 49314		66.0	<24	<15	15	>30000	17	<24	500	16	<190	<3	12
C4 49314		17.9	480	<5	77	350	210	11	170	160	98	4	6
C4 49315		70.2	45	<14	36	>30000	62	<22	970	65	110	<3	23
C4 49315		71.6	78	<5	16	170	31	<10	29	110	2100	<1	<2
C4 49316		31.6	<19	<15	63	18600	110	<23	440	62	160	8	15
C4 49317		48.4	3210	<5	12	290	61	<10	66	75	2000	2	3
C4 49317		49.4	<24	<18	38	>30000	88	<29	820	98	140	<3	15
C4 49318		16.6	862	<5	840	610	170	<10	510	91	92	1	8
C4 49319		2.0	12	<5	368	5900	230	<10	880	220	130	6	9
C4 49320		43.7	1170	<5	97	460	230	<10	190	170	59	4	7
C4 49320		18.5	480	<5	77	350	210	11	170	160	98	4	6
C4 49321		21.9	10	<5	11	<100	23	<10	16	83	2000	<1	<2
C4 49322		48.9	78	<5	16	170	31	<10	29	110	2100	<1	<2
C4 49322		38.1	6150	<5	36	1900	130	<10	410	75	110	3	12
C4 49323		1.5	23	<16	101	830	49	<28	520	45	170	7	14
C4 49324		17.8	3210	<5	12	290	61	<10	66	75	2000	2	3
C4 49325		10.6	862	<5	840	610	170	<10	510	91	92	1	8
C4 49326		0.8	430	<20	78	1100	77	<20	670	22	180	<4	15
C4 49327		1.5	57	<13	280	3500	43	<23	580	15	810	<3	11
C4 49328		1.7	190	<22	68	3400	87	<35	580	110	130	5	10
C4 49329		3.7	<18	<13	156	2700	130	<22	400	120	170	7	13
C4 49330		2.5	44	<5	2	<100	21	<10	25	69	2500	<1	<2
C4 49331		1.2	12	<5	1	<100	15	<10	15	71	2600	<1	<2
C4 49332		56.3	<5	<5	22	570	63	<10	380	34	65	7	8

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-04179.0

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Fe PCT	Hf PPM	Ir PPB	La PPM	Lu PPM	Mo PPM	Na PCT	Ni PPM	Rb PPM	Sb PPM	Sc PPM	Se PPM
C4 49301		26.0	28	<100	98	0.7	17	0.31	68	<10	8.4	34.0	<10
C4 49301		28.0	53	<100	120	1.0	16	0.34	59	<10	7.7	41.0	<10
C4 49302		27.0	13	<100	89	0.9	13	0.29	82	<10	10.0	60.2	<10
C4 49302		28.0	34	<100	100	1.3	13	0.29	71	15	10.0	64.4	<10
C4 49303		21.0	14	<100	84	0.8	11	0.26	<50	<10	8.4	60.8	<10
C4 49303		21.0	82	<100	110	1.9	9	0.30	<50	20	8.6	65.7	<10
C4 49304		8.0	140	<100	97	1.4	8	0.30	<50	23	4.6	18.0	<10
C4 49305		19.0	30	<100	67	0.7	14	0.19	50	11	7.0	20.0	11
C4 49306		1.1	<2	<100	20	<0.5	<2	0.29	<50	120	8.6	2.7	<10
C4 49307		7.5	749	<100	180	<8.4	<7	0.21	<76	72	10.0	67.9	34
C4 49308		5.7	458	<100	150	6.5	<5	0.24	130	<31	8.3	47.0	<23
C4 49309		4.1	1130	<210	200	<21.0	9	0.10	<68	<34	3.5	100.0	44
C4 49310		7.5	749	<100	180	<8.4	<7	0.21	<76	72	10.0	67.9	34
C4 49311		7.7	1300	<100	160	<17.0	9	0.17	<70	65	6.7	121.0	<30
C4 49312		16.0	308	<100	180	<3.6	15	0.15	65	<28	10.0	38.0	19
C4 49313		33.0	140	<100	513	<3.7	48	0.22	190	34	24.6	26.0	16
C4 49314		4.1	1130	<210	200	<21.0	9	0.10	<68	<34	3.5	100.0	44
C4 49314		28.0	44	<100	89	1.7	27	0.33	63	29	3.5	46.0	<10
C4 49315		8.1	1510	<100	340	<26.0	<8	0.15	<64	59	9.0	113.0	<30
C4 49315		11.0	8	<100	15	<0.5	<2	0.57	280	<10	0.8	131.0	<10
C4 49316		7.7	1300	<100	160	<17.0	9	0.17	<70	65	6.7	121.0	<30
C4 49317		8.6	24	<100	37	0.8	<2	0.56	200	<10	1.8	117.0	<10
C4 49317		10.0	719	<220	260	<7.7	24	0.13	<84	74	7.4	71.6	<38
C4 49318		26.0	57	<100	310	2.3	57	0.22	58	<21	25.9	17.0	15
C4 49319		33.0	140	<100	513	<3.7	48	0.22	190	34	24.6	26.0	16
C4 49320		35.0	40	<100	110	2.3	30	0.26	64	23	4.6	53.6	<10
C4 49320		28.0	44	<100	89	1.7	27	0.33	63	29	3.5	46.0	<10
C4 49321		8.3	12	<100	11	0.6	<2	0.52	240	<10	0.6	115.0	<10
C4 49322		11.0	8	<100	15	<0.5	<2	0.57	280	<10	0.8	131.0	<10
C4 49322		8.8	64	<100	200	3.3	4	0.53	<50	23	20.1	51.3	<10
C4 49323		5.1	498	<100	240	<5.5	10	0.26	96	<48	6.1	31.0	33
C4 49324		8.6	24	<100	37	0.8	<2	0.56	200	<10	1.8	117.0	<10
C4 49325		26.0	57	<100	310	2.3	57	0.22	58	<21	25.9	17.0	15
C4 49326		3.4	527	<200	310	<7.0	30	<0.10	120	<64	8.1	25.0	<45
C4 49327		5.5	235	<100	290	<4.5	91	0.25	<63	<39	35.1	31.0	29
C4 49328		19.0	957	<240	280	<17.0	13	0.10	210	<59	17.0	87.5	45
C4 49329		29.0	640	<100	200	<7.7	24	0.16	270	54	17.0	54.6	<24
C4 49330		7.9	17	<100	14	0.8	<2	0.66	230	<10	0.4	124.0	<10
C4 49331		7.7	2	<100	6	<0.5	<2	0.51	210	<10	0.2	122.0	<10
C4 49332		3.4	250	<100	160	<4.1	5	0.45	50	89	3.1	28.0	<10

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: V88-04179.0

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Sm PPM	Sn PPM	Ta PPM	Tb PPM	Te PPM	Th PPM	U PPM	W PPM	Yb PPM	Zn PPM	Zr PPM
C4 49301		15.0	<200	2	2	<20	12.0	5.2	8	<5	<200	1200
C4 49301		18.0	<200	3	3	<20	18.0	5.9	6	6	<200	2400
C4 49302		16.0	<200	2	2	<20	12.0	6.2	5	<5	340	<500
C4 49302		18.0	<200	2	3	<20	18.0	7.8	5	8	430	1700
C4 49303		15.0	<200	2	2	<20	11.0	5.4	<2	6	280	<500
C4 49303		22.0	<200	3	4	<20	26.0	10.0	4	11	270	3800
C4 49304		21.0	<200	4	3	<41	24.0	8.5	5	11	<200	7200
C4 49305		11.0	<200	1	2	<20	10.0	7.3	7	<5	240	1500
C4 49306		2.7	<200	<1	<1	<20	4.6	1.3	24	<5	<200	<500
C4 49307		54.8	<640	19	23	<110	146.0	69.9	27	80	350	>30000
C4 49308		38.0	<460	13	16	<67	81.8	41.0	21	50	<200	23000
C4 49309		51.7	<760	24	36	<130	207.0	100.0	30	150	200	>30000
C4 49310		54.8	<640	19	23	<110	146.0	69.9	27	80	350	>30000
C4 49311		88.3	590	28	44	<96	270.0	131.0	24	180	290	>30000
C4 49312		39.0	<200	10	11	<57	71.5	31.0	12	36	220	16000
C4 49313		60.8	<200	6	8	64	91.9	20.0	12	24	500	7900
C4 49314		51.7	<760	24	36	<130	207.0	100.0	30	150	200	>30000
C4 49314		25.0	<200	4	4	<20	17.0	8.1	12	12	360	2400
C4 49315		102.0	580	32	44	<94	294.0	135.0	42	170	310	>30000
C4 49315		7.1	<200	<1	1	<20	1.8	1.1	3	<5	<200	<500
C4 49316		88.3	590	28	44	<96	270.0	131.0	24	180	290	>30000
C4 49317		13.0	<200	2	3	<20	5.6	2.5	32	5	<200	1400
C4 49317		67.8	<730	21	29	<110	176.0	75.3	57	95	410	>30000
C4 49318		54.7	<200	4	8	<52	35.0	12.0	11	15	590	3100
C4 49319		60.8	<200	6	8	64	91.9	20.0	12	24	500	7900
C4 49320		32.0	<200	6	6	<20	17.0	10.0	20	13	370	2000
C4 49320		25.0	<200	4	4	<20	17.0	8.1	12	12	360	2400
C4 49321		6.2	<200	<1	1	<20	2.7	1.1	<2	<5	<200	660
C4 49322		7.1	<200	<1	1	<20	1.8	1.1	3	<5	<200	<500
C4 49322		82.4	<200	6	14	<40	24.0	8.9	280	22	220	3900
C4 49323		55.1	<620	15	15	<93	89.5	38.0	15	49	280	25000
C4 49324		13.0	<200	2	3	<20	5.6	2.5	32	5	<200	1400
C4 49325		54.7	<200	4	8	<52	35.0	12.0	11	15	590	3100
C4 49326		85.0	<920	17	18	<130	259.0	42.0	23	52	740	26000
C4 49327		65.6	<610	13	14	<95	79.3	17.0	8	30	1100	11000
C4 49328		58.6	<850	39	33	<120	204.0	108.0	48	110	480	>30000
C4 49329		47.0	<530	14	19	<87	139.0	67.3	21	72	510	>30000
C4 49330		6.7	<200	<1	2	<20	3.4	1.4	<2	<5	<200	860
C4 49331		3.6	<200	<1	1	<20	<0.5	0.5	<2	<5	<200	<500
C4 49332		48.0	<200	10	11	<20	53.9	24.0	11	31	<200	12000

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Geochemical Lab Report

REPORT: V88-04179.0

PROJECT: NONE GIVEN PAGE 2A

SAMPLE NUMBER	ELEMENT UNITS	WT gm	Au PPB	Ag PPM	As PPM	Ba PPM	Br PPM	Cd PPM	Ce PPM	Co PPM	Cr PPM	Cs PPM	Eu PPM
C4 49333		15.4	5	<5	19	330	43	<10	170	41	<50	<1	4
C4 49334		32.8	<5	<5	9	<100	29	<10	25	65	1700	2	<2
C4 49335		3.2	19	<5	12	230	33	<10	39	72	1900	2	<2
C4 49336		59.0	23	<16	101	830	49	<28	520	45	170	7	14
C4 49336		35.8	10	<5	46	240	73	<10	120	130	<50	<1	4
C4 49337		23.7	839	<5	310	1900	150	<10	560	120	250	6	5
C4 49338		17.5	10300	18	65	570	47	46	290	34	83	<1	5
C4 49339		65.5	230	<5	18	2100	78	<10	130	64	120	10	5
C4 49340		29.9	2750	<5	105	210	120	<10	600	47	65	<1	5
C4 49341		66.1	430	<20	78	1100	77	<20	670	22	180	<4	15
C4 49342		20.8	19900	77	719	690	140	<10	310	34	<50	2	3

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SAMPLE NUMBER	ELEMENT UNITS	Fe PCT	Hf PPM	Ir PPB	La PPM	Lu PPM	Mo PPM	Na PCT	Ni PPM	Rb PPM	Sb PPM	Sc PPM	Se PPM
C4 49333		10.0	57	<100	95	0.8	3	0.26	<50	<10	2.3	33.0	<10
C4 49334		7.3	5	<100	11	<0.5	<2	0.55	250	<10	0.7	108.0	<10
C4 49335		8.6	11	<100	18	0.6	<2	0.58	250	15	0.8	116.0	<10
C4 49336		5.1	498	<100	240	<5.5	10	0.26	96	<48	6.1	31.0	33
C4 49336		18.0	10	<100	73	<0.5	4	0.22	<50	<10	4.6	32.0	<10
C4 49337		30.0	120	<100	360	2.8	37	0.36	140	40	26.0	52.6	<10
C4 49338		8.6	130	<100	170	2.0	120	0.23	<50	22	6.1	34.0	<10
C4 49339		15.0	200	<100	51	4.8	9	0.63	110	37	3.5	109.0	<10
C4 49340		10.0	228	<100	430	1.1	58	0.54	<50	<10	4.3	17.0	<10
C4 49341		3.4	527	<200	310	<7.0	30	<0.10	120	<64	8.1	25.0	<45
C4 49342		9.4	110	<100	220	2.0	1450	0.16	<50	<20	11.0	16.0	<10

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Geochemical Lab Report

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AMPLE NUMBER	ELEMENT UNITS	Sm PPM	Sn PPM	Ta PPM	Tb PPM	Te PPM	Th PPM	U PPM	W PPM	Yb PPM	Zn PPM	Zr PPM
C4 49333		16.0	<200	2	2	<20	16.0	5.1	<2	6	<200	2700
C4 49334		7.6	<200	<1	2	<20	1.5	0.8	10	<5	<200	730
C4 49335		10.0	<200	<1	2	<20	2.1	1.6	12	<5	<200	<500
C4 49336		55.1	<620	15	15	<93	89.5	38.0	15	49	280	25000
C4 49336		13.0	<200	<1	2	<20	5.0	3.7	<2	<5	<200	<500
C4 49337		41.0	<200	4	8	<46	64.2	16.0	10	20	440	5700
C4 49338		29.0	<200	5	4	<41	37.0	14.0	13	13	11000	6100
C4 49339		25.0	<200	4	9	<20	49.0	22.0	6	31	220	9100
C4 49340		44.0	<200	2	4	<20	110.0	11.0	<2	6	1300	12000
C4 49341		85.0	<920	17	18	<130	259.0	42.0	23	52	740	26000
C4 49342		21.0	<200	6	5	170	25.0	16.0	31	7	2600	5500

		Sample	Au (ppm)	Ag (ppm)
	Ls (Dpm), q-py-ser v.	49367	0.10	4.39
	Skarn - gar + cal + mag + py	49368 ✓	ND	4.87
x	Qtzite (fa) + gos.	49369	0.41	9.53
x	Ls. + skarn - mag, chl	49370 ✓	0.24	22.42
x	Ls, q-py-ser v., mag	49371	0.23	18.34
x	Qtzite (fa) + ls (Dpm), q-py v.	49372	0.14	8.54
x	Ls (Dpm) + ss (fa), q-py v.	49373	1.71	34.63
	Ss (fa), q-py-ser v.	49374	0.10	2.98
	Ls/dol + ss, calc-sil, q-py v.	49375	0.14	3.50
x	Ss + dol, q-py-ser v.	49376 ✓	12.82	48.31
x	Ss (fa) + dol, q-py v.	49377	3.22	107.76
	Ls/dol (Dpm) + por.-alt, gos.	49378	0.31	2.57
x	Ss (fa) -alt, q-py v., gos.	49379	0.51	10.90
	Ss, q-py-ser v.	49380	ND	4.32
x	Ss + por., q + py v.	49381	0.55	27.43
x	Ls (Dpm), q-py v.	49382	0.96	3.02
	Ls (Dpm) -alt, q-py v., gos.	49383	0.07	8.78
x	Ss + por., alt, q-py v., gos	49384	0.69	32.43
x	Ss + por., q-py v.	49385	0.89	52.46
x	Ss + ls - SiO_2, q-py v., gos.	49386	0.82	16.80

	Description	Sample	Au (ppm)	Ag (ppm)
	Diabase (Ydb)	49347	0.10	0.65
	Ls (Dpm) q-py$^{(FeOx)}$ v.	49348	0.07	1.27
	Ls (Dpm) q-py v.	49349	0.10	0.55
	Ls (Dpm) w/ calc-sil; q-py v.	49350	0.27	ND
	Ls (Dpm) w/ calc-sil, q-py v.	49351	0.07	0.58
x	Ls (Dpm) w/ calc-sil, q-py v.	49352	0.82	2.37
	Diabase (Ydb)	49353 ✓	0.03	0.41
	Qtzite (Ca)	49354 ✓	0.01	0.31
	Ls (Dpm) w/ calc-sil, q-py v.	49355 ✓	0.07	0.93
	Dol, q-py$^{(FeOx)}$ v., calc-sil	49356	0.03	ND
	Dol. (Dpm.)	49357 ✓	0.03	ND
	Qtzite (Ca), q-py v., $CuCO_3$	49358	0.07	3.19
	Basalt (Kw), alt, FeOx, py	49359 ✓	ND	ND
	Basalt (Kw), alt, FeOx, py	49360	ND	1.17
	Dol, SiO_2, calc-sil	49361 ✓	ND	0.89
	Dol + qtzite + fault brx, q-py-calc v.	49362	0.03	ND
	Qtzite (fa), q-py-ser v.	49363 ✓	0.05	5.52
x	Qtzite (fa) + dol (Dpm) (skarn), SiO_2, gos.	49364 ✓	1.85	25.06
x	Qtzite (fa) + ls, py-ser-q v.	49365 ✓	0.58	36.75
x	Qtzite (fa) w/ py, q-py v. $CuCO_3^{(tr)}$	49366 ✓	0.55	7.27

		Sample	Au (ppm)	Ag (ppm)
	Qtzite (Yt) - $CuCO_3$	49387	0.07	6.93
x	Gossan	49388	0.34	14.33
x	Ss (fa), q+py v., tr. $CuCO_3$	49389	2.47	25.71
	Brx	49390 ✓	0.21	0.41
x	Qtzite (fa) - q+py v.	49391	0.82	1.37
x	Qtz v. + FeOx	49392	0.69	58.28
	Sediment (stream)	49393	0.07	4.46
	Stream sediment	49394	0.06	ND
	Stream sediment	49395	0.07	ND
	Skarn - hem, mag, epid, gar, $CuCO_3$	49396	0.27	0.41
	Skarn - gar, epid + gos.	49397	0.14	10.08
	Gos. - FeOx, mag + $CuCO_3$	49398	0.20	5.21
x	Gos + skarn (gar + epid) New Yr.	49399	0.41	28.66
x	Gos + skarn New Yr.	49400	0.10	44.57
x	Gos. - FeOx + q v. + $CuCO_3$ New Yr.	49401	0.03	37.37
x	Qtz - FeOx v. + skarn (gar, ep) New Yr.	49402	0.51	167.66
x	Skarn - gar, epid, q, py New Yr.	49403 ✓	0.62	137.14
x	Ls (Ym) + q-py-ser v. $CuCO_3$ tr. Keystone Cny. ↓	49404	0.07	11.66
	Diabase (Ydb) + q-py-ser v.	49405	0.07	0.69
x	Qtz - py v. in Ydb	49406	0.39	92.22

	Description	Location	Sample		Au (ppm)	Ag (ppm)
x	Ls + q-FeO_x-clay-ser. v	Keystone Cny. ↓	49407		0.14	9.39
	Brx (ls) w/ q-FeO_x-cal		49408		0.03	8.57
x	Ls(Me) + q-py v.		49409		0.24	25.37
x	Qtz-FeO_x v. + in lme gn, van, $CuCO_3$		49410	✓	2.50	229.72
	Ls (Me) + q-FeO_x v.		49411		0.07	6.51
x	Basalt (Kw) - alt + wul, van	Overland Mine	49412	✓	0.14	10.29
	Ls (IPn) + q-py-wul	Keystone Cny. ↓	49413	✓	0.03	2.06
x	Ls (IPn) + gn + sil + van, py, $CuCO_3$		49414		0.65	38.74
	Basalt (Kw) - alt + py-q-clay v.	Kullman Mine ↓	49415		0.03	ND
x	Gossan - FeO_x + q + $CuCO_3$		49416		0.45	66.51
	Marble (IPn), q-MnO_x v, wul (tr.)		49417	✓	0.03	ND
x	Diabase (Ydb) - alt + q-py-ser v.	Keystone Cny. ↓	49418	✓	0.14	14.06
	Qtz-py v. in Ydb		49419		0.24	9.26
x	Qtz-py v. + sph (tr.) in Ydb		49420	✓	0.14	14.06
x	Diabase (Ydb) - alt w/ q-py gn, Cu (tr.) v.		49421		0.21	89.83
x	Qtz-py-gn-$CuCO_3$ v.	79 Mine ↓	49422		0.14	38.61
x	Qtzite - sil + py + $CuCO_3$		49423	✓	0.10	71.66
x	Qtz-py-CuS_x-gn-wulf v.		49424	✓	1.30	281.49
	Ls - SiO_2 + py		49425	✓	0.03	2.74
x	Black cal (MnO_x)		49426		0.14	12.69

		Sample	Au (ppm)	Ag (ppm)	
X	Qtz-py v. + gn, $CuCO_3$ (79 Mine)	49427 ✓	0.14	25.10	
	Ls (Me) - SiO_2 + py (N. 79 Mine ↓)	49428 ✓	ND	0.68	
X	Skarn - ep+gar+q+cal+py	49429 ✓	0.38	3.09	
	Gossan - FeOx+q + $CuCO_3$	49430	0.55	0.69	
	Ls (Me)	49431	0.07	1.37	
X	Gossan - FeOx+q + $CuCO_3$(tr).	49432	3.15	31.54	
X	Gossan - FeOx+q + $CuCO_3$(tr)	49433	1.23	21.74	
X	Gossan - FeOx+q + $CuCO_3$(tr)	49434	2.54	18.99	
X	Gossan - FeOx +q + $CuCO_3$(tr) (Santa Monica ↓)	49435 ✓	7.82	25.92	
X	Gossan - FeOx+q + $CuCO_3$(tr)	49436 ✓	9.87	12.89	
	Ls (Me)	49437 ✓	0.27	3.84	
X	Rhydac w/ q-py-clay-ser. v.	49438	49.58	5.69	
X	Skarn (q+gar.+amph.)+gos.	49439	3.15	17.07	
	Ls. (Me) - rexll, SiO_2 w/ q-py v.	49440 ✓	0.06	3.77	
	RR-B	49441	4.53	5.42	Au O.K.
			4.25	4.53	Ag - high(?)
	Blank	49442	ND	3.22	
			ND	3.84	
	RR-A	49443	1.71	4.87	
			1.78	6.03	
	Blank	49444	0.07	1.10	
			0.05	2.67	

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			1		2	3	4
			Sample		Au (ppm)	Ag (ppm)	
	Shale	Santa Monica	49445		ND	ND	
	Ls	↓	49446		0.03	0.89	
X	And. por. w/ q-FeOx-wul-van v.	Kane Spg. Cayn ↓	49447		0.07	19.71	
X	Ls. w/ q-FeOx-cal-van-wul v.		49448		0.03	13.58	
X	Ls w/ q-FeOx-van-wul-gn v.		49449		0.05	138.45	
	Ls w/ calc-sil		49450		0.01	ND	
X	Diab (Ydb) w/ q-FeOx-gn,-van-wul		49451		0.02	17.21	
X	Qtz-v + FeOx+gn+van		49452		0.03	22.08	
	Qtz v. in Ydb; q+FeOx+MnOx		49453		ND	ND	
	Qtzite w/ q+FeOx v.		49454		ND	0.24	
X	q+py+ma+az v.	Goldmine Mt. ↓	49455		1.13	6.51	
X	q+py v., tr. Cu	visible Au	49456	✓	28.97	2.33	
X	q+py v. in schist, tr. $CuCO_3$		49457		5.82	1.89	
X	q-py v. w/ schist, tr. $CuCO_3$		49458		3.46	2.57	
X	q+py+gn+$CuCO_3$		49459		2.30	93.70	
X	q+py in schist		49460		0.48	0.55	
X	q+py+gn in schist		49461		1.27	21.81	
	cgl (Tbl)	Steamboat Mt. ↓	49462		ND	0.31	
	MnOx in ls		49463		ND	0.55	
	Ls		49464		ND	ND	

Description		Sample	Au (ppm)	Ag (ppm)
marble (Yme?) w/ cal-q-ma v.	Montana Mine ↓	49529	0.02	459.57
Ydb (alt) w/ q-py-bn-gn-ma v.		49530 ✓	ND	676.09
skarn (Yme)		49531 ✓	ND	0.07
qtzite w/ FeOx		49532	ND	0.14
ls/dol (Yme)		49533	ND	0.58
sh + Ydb (alt) w/ q-py v.		49534	ND	0.86
Standard RR-B		49535	4.11	3.43
Blank		49536	ND	0.27
Standard RR-A		49537	1.57	2.81
Standard RR-B		49538	4.32	1.58
Blank		49539	0.01	ND
Ls (Dpm) w/ FeOx	San Bernardo ↓	49540	0.03	0.82
Gossan		49541	3.84	6.45
skarn in Ea		49542	2.13	7.13
Rhydac (alt) w/ q-FeOx v.		49543	0.04	ND
skarn (Me) w/ cal-q-Cu v.	Santa Monica ↓	49544	0.02	0.27
Gossan in Me		49545	11.04	62.06
Gossan in Me		49546	1.68	71.45
Ls (Me) w/ cal-FeOx v.		49547	0.03	ND
Gossan		49548	0.85	4.18

	Sample	Au (ppm)	Ag (ppm)
Gossan Steamboat Mt.	49465	ND	1.17
RR-A	49466	1.64 ✓	3.50 +
RR-B	49467	4.46 ✓	6.93 +
Blank	49468	ND	4.32

	Sample	Au (ppm)	Ag (ppm)	
Ls(Me) w/ cal + FeOx v. (Santa Monica ↓)	49549	0.03	ND	
Ls (IPn)	49550	0.03	ND	
Rhydac por. alt → epid	49551	0.02	ND	
Skarn in IPn	49552	0.02	ND	
Gary's sample	49553	0.27	4.70	2.06% Cu
Standard - NBR	49554	1.34	60.21	
Standard - NBg	49555	0.69	19.65	
Blank	49556	ND	ND	
Gossan in Me	49557	0.02	3.87	
Marblized Me w/ cal-FeOx v.	49558	0.01	ND	
Ls - rexll, SiO_2, skarn	49559	0.01	0.10	
Gossan	49560	0.27	13.44	
Chert/jasper in ls	49561	1.03	ND	
Gossan	49562	1.37	13.54	
Ls (brx) w/ cal v.	49563	ND	0.82	
Chert/jasper	49564	ND	ND	
Skarn	49565	ND	0.07	
Ls w/ cal-FeOx v.	49566	0.01	0.48	
Skarn	49567	0.01	2.22	
Gossan	49568	0.49	19.82	

		Sample	Au (ppm)	Ag (ppm)
Skarn in ta	San Bern	49589	0.07	4.15
Skarn in ta	↓	49590	0.01	ND
Skarn in ta w/ q-FeOx v.		49591	1.75	11.90
Skarn + FeOx in ta		49592	0.03	1.75
Skarn + FeOx in ta		49593	0.01	ND
Skarn + FeOx + q-FeOx-py v.		49594	0.03	4.15
Skarn + FeOx in ta		49595	0.01	0.89
Skarn + FeOx in ta		49596	ND	0.03
Skarn + FeOx in ta		49597	0.07	3.12
Skarn w/ q + py + FeOx v.		49598	0.10	3.60
Skarn + FeOx in ta		49599	0.03	ND
Skarn + FeOx in ta		49600	0.01	ND
Skarn + FeOx in ta		49601	0.01	0.86
Skarn + FeOx in ta		49602	ND	ND
NBR - standard		49603	1.51	62.78
NBg - standard		49604	0.82	20.13
Blank		49605	ND	1.17
Jasper cgl	Hot-Spgs	49606	0.01	ND
Jasper cgl	↓	49607	ND	ND
Jasper cgl		49608	ND	ND

		Sample	Au (ppm)	Ag (ppm)
Ls -> marble		49569	0.03	1.17
Gossan		49570	0.24	2.57
Gossan	San Bern.	49571	0.31	13.95
Ls (Pn) w/ cal v.		49572	ND	ND
Skarn in Pn		49573	ND	ND
Skarn		49574	0.03	0.41
Gossan	Schneider Cany. ↓	49575	0.17	4.35
Skarn		49576	0.14	3.67
Skarn in Ca w/ q-py v.		49577	0.01	1.99
Chert brx w/ FeOx	N. of 79 Mine ↓	49578	ND	1.82
Ls -> marble		49579	ND	0.38
Ls (Dm) w/ cal-FeOx v.		49580	ND	0.10
Ls w/ cal-FeOx		49581	ND	0.69
Skarn in Dm w/ FeOx-q v.		49582	0.02	7.51
Ls (Dm) w/ epid, FeOx, py		49583	ND	0.14
Skarn in Dm		49584	0.03	2.91
NBR standard		49585	1.44	59.97
NBg standard		49586	1.03	21.84
Blank		49587	ND	ND
Skarn in Ca	San Bern.	49588	0.24	4.73

	Sample	Au (ppm)	Ag (ppm)
Jasper cgl (Hot-Spg ↓)	49609	ND	ND
Jasper cgl	49610	ND	ND
Jasper cgl	49611	ND	ND
NBg - standard	49612	0.086	20.30
		0.086	20.19
NBR - standard	49613	0.154	60.41
		0.154	60.48
Blank	49614	ND	ND
		ND	ND
Ls (Dpm) w/ cal-FeOx v. (Tam O'shanter ↓)	49615	0.02	ND
Ls (Dpm)	49616	ND	1.23
Gossan float	49617	0.72	15.98
rhydac. por. w/ q-FeOx v.	49618	ND	0.72
Ls brx	49619	0.01	3.22
Ls (Me?), float	49620	0.01	0.45
Ls (Me) w/ cal v.	49621	ND	0.10
Ls (Me) w/ cal - FeOx v.	49622	ND	ND
Ls - sil w/ FeOx - MnOx	49623	ND	1.58
Chert in fault zone (Keystone Cyn. ↓)	49624	ND	ND
Fractured ls (Dpm?) w/ FeOx	49625	ND	ND
qtzite - brx w/ hem	49626	ND	ND
qtzite - brx w/ hem	49627	0.02	ND
skarn - epid, hem, q, Cu	49628	ND	92.81

CLAIM OWNERS: FOR HUGH DUMMETT BY CONSUELO P. VELASCO

FINDER's FEE 75% CONSUELO P. & B. C. VELASCO & E. A. & BARB WILSON

ALFONSO AND ISABEL MARIN	MIAMI, AZ
BELEN CLUFF	WINKELMAN
LOUIS B, ELLSWORTH	GLOBE
CHARLES QUARELLI TOM QUARELLI	PHOENIX
MORRIS AND LUCY Q. WILKINS	TEXAS
MARGIE DALMOLIN	KEARNY
JOANNA	CALIFORNIA

Do not touch - go on claims
until you talk to Tom
264-0258
1832 E Thomas Rd
Phoenix Az 85016

(1) 6

		Sample	Au (ppm)	Ag (ppm)
	Diabase (Ydb)	49347	0.10	0.65
	Ls (Dpm) q-py(FeOx) v.	49348	0.07	1.27
	Ls (Dpm) q-py v.	49349	0.10	0.55
	Ls (Dpm) w/ calc-sil; q-py v.	49350	0.27	ND
	Ls (Dpm) w/ calc-sil, q-py v.	49351	0.07	0.58
X	Ls (Dpm) w/ calc-sil, q-py v.	49352	0.82	2.37
	Diabase (Ydb)	49353 ✓	0.03	0.41
	Qtzite (€a)	49354 ✓	0.01	0.31
	Ls (Dpm) w/ calc-sil, q-py v.	49355 ✓	0.07	0.93
	Dol, q-py(FeOx) v., calc-sil	49356	0.03	ND
	Dol. (Dpm.)	49357 ✓	0.03	ND
	Qtzite (€a), q-py v., $CuCO_3$	49358	0.07	3.19
	Basalt (Kw), alt, FeOx, py	49359 ✓	ND	ND
	Basalt (Kw), alt, FeOx, py	49360	ND	1.17
	Dol, SiO_2, calc-sil	49361 ✓	ND	0.89
	Dol + qtzite + fault brx, q-py-calc v.	49362	0.03	ND
	Qtzite (€a), q-py-ser v.	49363 ✓	0.05	5.52
X	Qtzite (€a) + dol (Dpm) skarn, SiO_2, gos.	49364 ✓	1.85	25.06
X	Qtzite (€a) + ls, py-ser-q v.	49365 ✓	0.58	36.75
X	Qtzite (€a) w/ py, q-py v. $CuCO_3$(tr)	49366 ✓	0.55	7.27

		Sample	Au (ppm)	Ag (ppm)
	Ls(Dpm), q-py-ser v.	49367	0.10	4.39
	Skarn - gar+cal+mag+py	49368 ✓	ND	4.87
X	Qtzite (fa) + gos.	49369	0.41	9.53
X	Ls. + skarn - mag, chl	49370 ✓	0.24	22.42
X	Ls, q-py-ser v., mag	49371	0.23	18.34
X	Qtzite(fa)+ls(Dpm), q-py v.	49372	0.14	8.54
X	Ls(Dpm)+ss(fa), q-py v.	49373	1.71	34.63
	Ss(fa), q-py-ser v.	49374	0.10	2.98
	Ls/dol + ss, calc-sil, q-py v.	49375	0.14	3.50
X	Ss+dol, q-py-ser v.	49376 ✓	12.82	48.31
X	Ss(fa)+dol, q-py v.	49377	3.22	107.76
	Ls/dol (Dpm) + por.-alt, gos.	49378	0.31	2.57
X	Ss(fa)-alt, q-py v., gos.	49379	0.51	10.90
	Ss, q-py-ser v.	49380	ND	4.32
X	Ss + por., q+py v.	49381	0.55	27.43
X	Ls(Dpm), q-py v.	49382	0.96	3.02
	Ls(Dpm)-alt, q-py v., gos.	49383	0.07	8.78
X	Ss + por., alt, q-py v., gos.	49384	0.69	32.43
X	Ss + por., q-py v.	49385	0.89	52.46
X	Ss + ls - SiO_2, q-py v., gos.	49386	0.82	16.80

		Sample	Au (ppm)	Ag (ppm)
	Qtzite (Yt) - $CuCO_3$	49387	0.07	6.93
x	Gossan	49388	0.34	14.33
x	Ss (fa), q + py v., tr. $CuCO_3$	49389	2.47	25.71
	Brx	49390 ✓	0.21	0.41
x	Qtzite (fa) - q + py v.	49391	0.82	1.37
x	Qtz v. + FeOx	49392	0.69	58.28
	Sediment (stream)	49393	0.07	4.46
	Stream sediment	49394	0.06	ND
	Stream sediment	49395	0.07	ND
	Skarn - hem, mag, epid, gar, $CuCO_3$	49396	0.27	0.41
	Skarn - gar, epid + gos.	49397	0.14	10.08
	Gos. - FeOx, mag + $CuCO_3$	49398	0.20	5.21
x	Gos + skarn (gar + epid) New Yr.	49399	0.41	28.66
x	Gos + skarn New Yr.	49400	0.10	44.57
x	Gos. - FeOx + q v. + $CuCO_3$ New Yr.	49401	0.03	37.37
x	Qtz - FeOx v. + skarn (gar, ep) New Yr.	49402	0.51	167.66
x	Skarn - gar, epid, q, py New Yr.	49403 ✓	0.62	137.14
x	Ls (Ym) + q - py - ser v. $CuCO_3$ tr. Keystone Cny.	49404	0.07	11.66
	Diabase (Ydb) + q - py - ser v.	49405	0.07	0.69
x	Qtz - py v. in Ydb	49406	0.89	92.22

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	Description	Sample		Au (ppm)	Ag (ppm)
*	Ls + q-FeOx-clay-ser v (Keystone Cny.)	49407		0.14	9.39
	Brx (ls) w/ q-FeOx-cal	49408		0.03	8.57
*	Ls(Me) + q-py v.	49409		0.24	25.37
*	Qtz-FeOx v. + in lme gn, van, $CuCO_3$	49410	✓	2.50	229.72
	Ls(Me) + q-FeOx v.	49411		0.07	6.51
*	Basalt (Kw) - alt + wul, van (Overland Mine)	49412	✓	0.14	10.29
	Ls (IPn) + q-py-wul (Keystone Cny.)	49413	✓	0.03	2.06
*	Ls (IPn) + gn + sil + van, py, $CuCO_3$	49414		0.65	38.74
	Basalt (Kw) - alt + py-q-clay v. (Kullman Mine)	49415		0.03	ND
*	Gossan - FeOx + q + $CuCO_3$	49416		0.45	66.51
	Marble (IPn), q-MnOx v, wul (tr)	49417	✓	0.03	ND
*	Diabase (Ydb) - alt + q-py-ser v. (Keystone Cny.)	49418	✓	0.14	14.06
	Qtz-py v. in Ydb	49419		0.24	9.26
x	Qtz-py v. + sph (tr.) in Ydb	49420	✓	0.14	14.06
*	Diabase (Ydb) - alt w/ q-py gn, Cu (tr) v.	49421		0.21	89.83
x	Qtz-py-gn-$CuCO_3$ v. (79 Mine)	49422		0.14	38.61
*	Qtzite - sil + py + $CuCO_3$	49423	✓	0.10	71.66
*	Qtz-py-CuS_x-gn-wulf v.	49424	✓	1.30	281.49
	Ls - SiO_2 + py	49425	✓	0.03	2.74
*	Black cal (MnOx)	49426		0.14	12.69

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		1	2	3	4
		Sample	Au (ppm)	Ag (ppm)	
X	Qtz - py v. + gn, $CuCO_3$ 79 Mine	49427 ✓	0.14	25.10	
	Ls (Me) - SiO_2 + py N. 79 Mine ↓	49428 ✓	ND	0.68	
X	Skarn - ep + gar + q + cal + py	49429 ✓	0.38	3.09	
	Gossan - FeOx + q + $CuCO_3$	49430	0.55	0.69	
	Ls (Me)	49431	0.07	1.37	
X	Gossan - FeOx + q + $CuCO_3$(tr)	49432	3.15	31.54	
X	Gossan - FeOx + q + $CuCO_3$(tr)	49433	1.23	21.74	
X	Gossan - FeOx + q + $CuCO_3$(tr)	49434	2.54	18.99	
X	Gossan - FeOx + q + $CuCO_3$(tr) Santa Monica ↓	49435 ✓	7.82	25.92	
X	Gossan - FeOx + q + $CuCO_3$(tr)	49436 ✓	9.87	12.89	
	Ls (Me)	49437 ✓	0.27	3.84	
X	Rhydac w/ q-py-clay-ser. v.	49438	49.58	5.69	
X	Skarn (q + gar. + amph.) + gos	49439	3.15	17.07	
	Ls. (Me) - rexll, SiO_2 w/ q-py v.	49440 ✓	0.06	3.77	
	RR - B	49441	4.53	5.42	Au o.k.
			4.25	4.53	Ag - high(?)
	Blank	49442	ND	3.22	
			ND	3.84	
	RR - A	49443	1.71	4.87	
			1.78	6.03	
	Blank	49444	0.07	1.10	
			0.05	2.67	

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	Description	Location	Sample	Au (ppm)	Ag (ppm)
	Shale	Santa Monica	49445	ND	ND
	Ls	↓	49446	0.03	0.89
X	And. por. w/ q - FeOx - wul - van v.	Kane Spg Cayn ↓	49447	0.07	19.71
X	Ls. w/ q - FeOx - cal - van - wul v.		49448	0.03	13.58
X	Ls w/ q - FeOx - van - wul - gn v.		49449	0.05	138.45
	Ls w/ calc-sil		49450	0.01	ND
X	Diab (Ydb) w/ q - FeOx - gn - van - wul		49451	0.02	17.21
X	Qtz - v + FeOx + gn + van		49452	0.03	22.08
	Qtz v. in Ydb ; q + FeOx + MnOx		49453	ND	ND
	Qtzite w/ q + FeOx v.		49454	ND	0.24
X	q + py + ma + az v.	Goldmine Mt. ↓	49455	1.13	6.51
X	q + py v., tr. Cu	visible Au	49456 ✓	28.97	2.33
X	q + py v. in schist, tr. CuCO3		49457	5.82	1.89
X	q - py v. w/ schist, tr. CuCO3		49458	3.46	2.57
X	q + py + gn + CuCO3		49459	2.30	93.70
X	q + py in schist		49460	0.48	0.55
X	q + py + gn in schist		49461	1.27	21.81
	cgl (Tcl)	Steamboat Mt. ↓	49462	ND	0.31
	MnOx in ls		49463	ND	0.55
	Ls		49464	ND	ND

	Sample	Au (ppm)	Ag (ppm)
Gossan Steamboat Mt.	49465	ND	1.17
RR-A	49466	1.64 ✓	3.50 +
RR-B	49467	4.46 ✓	6.93 +
Blank	49468	ND	4.32

		Sample	Au (ppm)	Ag (ppm)	Cu (%)
	Basalt w/ q-py v. Little Au Gulch ↓	49469 ✓	ND	0.10	0.051
			~~0.03~~	~~ND~~	
	Basalt w/ q-py v.	49470	0.03	~~1.34~~ ND	0.088
	Basalt, alt w/ q-py v.	49471	0.03	1.34	0.007
	Qtz lat. por w/ q-py v.	49472 ✓	ND	0.14	0.018
x	Latite, alt w/ q-py v.	49473	0.24	10.11	0.018
x	Qtz lat. por., alt w/ q-py v.	49474 ✓	0.48	81.15	0.016
x	Qtz. lat. por., alt w/ q-py v.	49475 ✓	4.42	36.03	0.037
x	q-py (FeOx) - cal v.	49476 ✓	3.98	8.74	0.030
x	q-py (FeOx) v. in latite (alt)	49477	55.17	43.51	0.052
x	q-py v.	49478 ✓	0.62	311.35	0.013
x	q-py-FeOx v. in basalt (alt)	49479 ✓	0.14	15.80	0.016
x	Basalt (alt) + q-py v.	49480	0.24	72.69	0.046
x	Latite w/ q-py v.	49481	0.31	52.49	0.034
x	q-py v. in basalt	49482	0.58	360.24	0.052
x	Andesite, alt w/ q-py v.	49483 ✓	1.10	165.26	0.016
x	q-py-sph-gn v. in vol.	49484 ✓	1.10	83.31	0.079
x	q-py v. in alt. vol.	49485	3.50	52.46	0.142
	Basalt (alt) w/ q-py v.	49486	0.07	5.62	0.004
	Rhyodac por. (alt.) w/ q-py v.	49487	0.03	1.10	0.027
x	Kwc w/ q-py v.	49488	0.21	50.88	0.024

			Sample	Au (ppm)	Ag (ppm)	Cu (%)
x	q-py-cal-ser v. in Kwc	Little Au Gulch ↓	49489	0.27	506.40	0.031
x	q-py-bar v. in Kwc		49490	1.54	61.58	0.087
x	q-py v. in rhydac por		49491	4.87	32.54	0.041
x	q-py v. in Kwc	Pooler Mine ↓	49492	2.61	88.29	0.075
x	q-py v.		49493	14.26	92.21	0.054
x	vol. rx (alt)		49494	3.91	29.66	0.015
	hfls		49495	0.06	0.55	0.014
	hnb rhydac por (alt)	Deer Ck ↓	49496	0.01	0.86	0.004
	FeOx-cal-q v. in rhydac por.		49497	0.01	2.88	0.008
	q-py v. in rdp dike		49498	0.02	101.35	0.015
	hnb rdp (alt) w/ py		49499 ✓	0.01	1.58	0.004
x	q-py v.	Lees Mine	49500	1.10	78.27	0.015
x	q-py-sph-gn-bar v.	Deer Ck ↓	49501 ✓	1.47	245.52	0.045
x	q-py-gn-sph v.		49502	0.86	3.33	0.028
x	q-py-sph-gn v. in Kwc		49503 ✓	1.33	453.36	0.023
x	q-py-sph-gn-bar v.		49504 ✓	0.72	838.22	0.018
x	gossan in ss	Ray Mine ↓	49505	0.79 ~~7.11~~	10.22 ~~3.73~~	
	gossan in Dm		49506	0.07	5.45	
x	gossan in Dm		49507	0.38	18.51	
x	gossan + ss + b		49508	0.24	18.51	

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	Description	Location	Sample	Au (ppm)	Ag (ppm)	Cu (%)
	ls (IPu)	Ray Mine	49509	0.01	0.79	
	gossan in IPu	↓	49510	0.03	36.55	
x	gossan in Pm		49511	2.70	140.68	
	ss (Ydc) w/ q-FeOx v.	Monitor Mine	49512	0.01	15.63	
	sltst (Ydc) w/ q-FeOx-ma v.	↓	49513	0.01	191.90	
	ls (Yme) - calcsil		49514 ✓	ND	ND	
	ls (Yme) w/ FeOx-q v		49515	ND	ND	
	sltst (Ydc) w/ q-cal-FeOx v.		49516	ND	2.81	
	ss w/ q-py-ma-as		49517 ✓	0.02	1,162.36	
	ls		49518 ✓	ND	3.53	
	sltst w/ q-py-CuCO3 v.		49519	0.02	0.89	
	rhydac por. w/ q-ser-py v	Little Ax Gulch	49520 ✓	ND	2.16	0.03
	bt. dac por w/ q-py v.	↓	49521	ND	1.03	0.021
	rdp (alt) w/ q-py v.		49522	0.01	1.99	0.008
x	Latite (alt) w/ q-py-mpl-sn-sar v.	Deer Ck	49523 ✓	0.73	1,366.13	0.028
	Latite (alt) w/ q-py v.		49524 ✓	ND	8.54	0.007
x	Basalt (alt) w/ q-py-sn v.		49525 ✓	0.48	210.24	0.031
	Basalt (alt) w/ q-py v.		49526 ✓	0.21	5.83	0.035
x	Latite (alt) w/ q-py v.		49527 ✓	0.77	29.21	0.014
	Granodior.	Santa Monica	49528	ND	4.32	

	Location	Sample	Au (ppm)	Ag (ppm)
marble (Yme?) w/ cal-q-ma v.	Montana Mine ↓	49529	0.02	459.57
Ydb (alt) w/ q-py-bn-gn-ma v.		49530 ✓	ND	676.09
skarn (Yme)		49531 ✓	ND	0.07
qtzite w/ FeOx		49532	ND	0.14
ls/dol (Yme)		49533	ND	0.58
sh + Ydb (alt) w/ q-py v.		49534	ND	0.86
Standard RR-B		49535	4.11	3.43
Blank		49536	ND	0.27
Standard RR-A		49537	1.57	2.81
Standard RR-B		49538	4.32	1.58
Blank		49539	0.01	ND
Ls (D_{pm}) w/ FeOx	San Bernardo ↓	49540	0.03	0.82
Gossan		49541	3.84	6.45
Skarn in Ca		49542	2.13	7.13
Rhydac (alt) w/ q-FeOx v.	Deer Creek	49543	0.04	ND
Skarn (Me) w/ cal-q-Cu v.	Santa Monica ↓	49544	0.02	0.27
Gossan in Me		49545	11.04	62.06
Gossan in Me		49546	1.68	71.45
Ls (Me) w/ cal-FeOx v.		49547	0.03	ND
Gossan		49548	0.85	4.18

	Sample	Au (ppm)	Ag (ppm)	
Ls (Me) w/ cal + FeOx v. Santa Monica ↓	49549	0.03	ND	
Ls (Pn)	49550	0.03	ND	
Rhydac por. alt → epid	49551	0.02	ND	
Skarn in Pn	49552	0.02	ND	
Gary's sample	49553	0.27	4.70	2.06% Cu
Standard – NBR	49554	1.34	60.21	
Standard – NBg	49555	0.69	19.65	
Blank	49556	ND	ND	
Gossan in Me	49557	0.02	3.87	
Marblized Me w/ cal-FeOx v.	49558	0.01	ND	
Ls - rexll, SiO_2, skarn	49559	0.01	0.10	
Gossan	49560	0.27	13.44	
Chert/jasper in Ls	49561	1.03	ND	
Gossan	49562	1.37	13.54	
Ls (brx) w/ cal v.	49563	ND	0.82	
Chert/jasper	49564	ND	ND	
Skarn	49565	ND	0.07	
Ls w/ cal-FeOx v.	49566	0.01	0.48	
Skarn	49567	0.01	2.22	
Gossan	49568	0.49	19.82	

		Sample	Au (ppm)	Ag (ppm)
Ls → marble		49569	0.03	1.17
Gossan		49570	0.24	2.57
Gossan	San Bern.	49571	0.31	13.95
Ls (IPn) w/ cal v.		49572	ND	ND
Skarn in IPn		49573	ND	ND
Skarn		49574	0.03	0.41
Gossan	Schneider Cany. ↓	49575	0.17	4.35
Skarn		49576	0.14	3.67
Skarn in Ga w/ q-py v.		49577	0.01	1.99
Chert brx w/ FeOx	N. of 79 Mine ↓	49578	ND	1.82
Ls → marble		49579	ND	0.38
Ls (Dm) w/ cal-FeOx v.		49580	ND	0.10
Ls w/ cal-FeOx		49581	ND	0.69
Skarn in Dm w/ FeOx-q v.		49582	0.02	7.51
Ls (Dm) w/ epid, FeOx, py		49583	ND	0.14
Skarn in Dm		49584	0.03	2.91
NBR standard		49585	1.44	59.97
NBg standard		49586	1.03	21.84
Blank		49587	ND	ND
Skarn in Ga	San Bern.	49588	0.24	4.73

		Sample	Au (ppm)	Ag (ppm)
Skarn in fa	San Bern. ↓	49589	0.07	4.15
Skarn in fa		49590	0.01	ND
Skarn in fa w/ q-FeOx v.		49591	1.75	11.90
Skarn + FeOx in fa		49592	0.03	1.75
Skarn + FeOx in fa		49593	0.01	ND
Skarn + FeOx + q-FeOx-py v.		49594	0.03	4.15
Skarn + FeOx in fa		49595	0.01	0.89
Skarn + FeOx in fa		49596	ND	0.03
Skarn + FeOx in fa		49597	0.07	3.12
Skarn w/ q + py + FeOx v.		49598	0.10	3.60
Skarn + FeOx in fa		49599	0.03	ND
Skarn + FeOx in fa		49600	0.01	ND
Skarn + FeOx in fa		49601	0.01	0.86
Skarn + FeOx in fa		49602	ND	ND
NBR - standard		✓ 49603	1.51	62.78
NBg - standard		✓ 49604	0.82	20.13
Blank		✓ 49605	ND	1.17
Jasper cgl	Hot-Spg ↓	✓ 49606	0.01	ND
Jasper cgl		✓ 49607	ND	ND
Jasper cgl		✓ 49608	ND	ND

	Sample	Au (ppm)	Ag (ppm)
Jasper cgl (Hot Spg ↓)	49609	ND	ND
Jasper cgl	49610	ND	ND
Jasper cgl	49611	ND	ND
NBg - standard	49612	0.086	20.30
		0.086	20.19
NBR - standard	49613	0.154	60.41
		0.154	60.48
Blank	49614	ND	ND
		ND	ND
Ls (D_{pm}) w/ cal-FeO_x v. (Tam O'shanter ↓)	49615	0.02	ND
Ls (D_{pm})	49616	ND	1.23
Gossan float	49617	0.72	15.98
rhydac. por. w/ q-FeO_x v.	49618	ND	0.72
Ls brx	49619	0.01	3.22
Ls (Me?), float	49620	0.01	0.45
Ls (Me) w/ cal v.	49621	ND	0.10
Ls (Me) w/ cal-FeO_x v.	49622	ND	ND
Ls-sil w/ FeO_x-MnO_x	49623	ND	1.58
Chert in fault zone (Keystone Cyn. ↓)	49624	ND	ND
Fractured ls (D_{pm}?) w/ FeO_x	49625	ND	ND
qtzite-brx w/ hem	49626	ND	ND
qtzite-brx w/ hem	49627	0.02	ND
skarn - epid, hem, q, Cu	49628	ND	92.81

		Sample	Au (ppm)	Hg (ppm)
Gossan	Keystone Cyn ↓	49629	ND	6.99
Fault brx		49630	ND	8.98
Gossan/skarn		49631	ND	0.65
qtzite brx w/ SiO_2, hem		49632	ND	ND
Ls (Ym)-repl w/ SiO_2, FeOx		49633	ND	ND
Ls (Mc) + FeOx, MnOx, ep		49634	0.01	ND
Ydb - fract + alt - FeOx		49635	ND	ND
Ydb - fract. + alt - FeOx		49636	ND	ND
Ls - brx, + SiO_2, hem		49637	0.07	ND
Ls		49638	0.01	ND
Ls (Pn) - w/ FeOx staining		49639	0.01	ND
Chert brx w/ FeOx	S. of Tam O'Shanter	49640	0.02	0.10
Ig. brx	Little Au gul.	49641	0.06	0.34
Fault brx	Keystone Cyn.	49652	ND	ND

WESTMONT
MINING INC.

May 31, 1988

Robert E. Holt
Box 1018 MSR
Tucson, AZ 85737

Re: Bernie Velasco Property, Gila County, AZ

Dear Mr. Holt:

This letter serves to formalize a previous verbal agreement between Hugo T. Dummett of Westmont Mining Inc. and Bernie Valasco concerning Mr. Velasco's property in the Dripping Springs Mountains north of Hayden, Arizona. Westmont agrees to provide a copy of all non-interpretive data, including sample location sites, assay results and geologic maps, generated by or on behalf of Westmont on Mr. Velasco's property.

Sincerely,

Gary A. Parkison
for Hugo Dummett
Westmont Mining Inc.

GAP:psp

2341 South Friebus Suite 12 Tucson, AZ 85713 (602) 881-8871

12/05/88

PREPARED BY: DIETZ AND ASSOCIATES, 4706 N. 31ST DRIVE
PHOENIX, AZ. 85017 PHONE (602)841-1744

PRIMARY NAME: SAN BERNARDO JR PROPERTY

ALTERNATE NAMES:

CHILITO MS 4680
GOLD-COPPER PROPERTIES

GILA COUNTY MILS NUMBER: 12B

LOCATION: TOWNSHIP 4 S RANGE 15 E SECTION 23 QUARTER NW
LATITUDE: N 33DEG 04MIN 30SEC LONGITUDE: W 110DEG 47MIN 20SEC
TOPO MAP NAME: HAYDEN - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER
GOLD
SILVER
LEAD

BIBLIOGRAPHY:

✓ADMMR "U" FILE chilito u file
✓ADMMR CARD FILE chilito file
✓✓AZ MNG JNL, DEC. 15, P 9; 1921
BLM MINING DISTRICT SHEET 673
ROSS C P ORE DEPTS SADDLE MTN & BANNER MNG DISTRICTS USGS BULL 771 1925 P 64

historical information here given. He estimated that $15,000 to $20,000 worth of gold ore has been shipped to smelters, besides an unknown quantity of high-grade gold ore, some of which is reported to have contained as much as 70 per cent of gold.

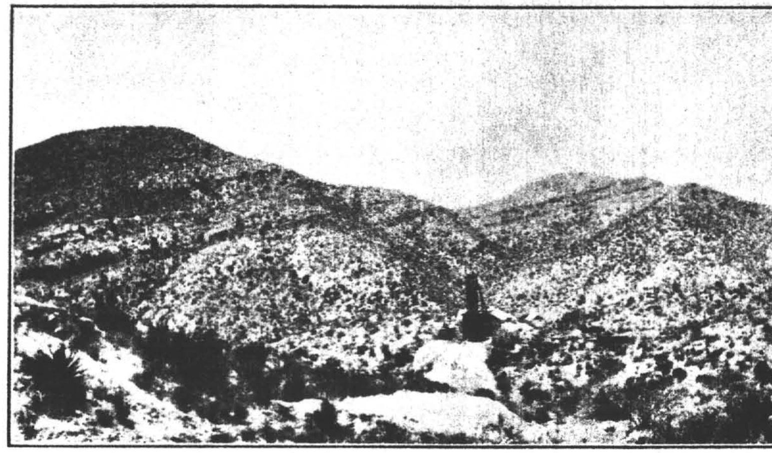
Property.—The principal opening is a tunnel over 300 feet long from which stoping has been done laterally and upward. A shaft extends from the surface to the tunnel, and there is an inclined winze approximately below the shaft. A number of other tunnels and shallow shafts have been driven. The property includes a small mill, now out of repair, built about 1901, and a dwelling house.

Character of the deposits.—The ore bodies are in the Martin limestone, which is underlain by the Troy quartzite. Below and intrusive into the quartzite is diabase. (See Pl. XVI.) A dike mapped on Plate XVI as quartz diorite porphyry cuts both quartzite and limestone. This rock differs somewhat from the typical quartz-mica diorite of the Christmas area. Its ferromagnesian constituent was probably originally biotite, but it is now altered to chlorite and associated minerals, does not appear to have been abundant, and is not identifiable in the hand specimen. Quartz phenocrysts are more abundant than in the typical quartz-mica diorite. The feldspar is largely andesine.

The ore deposits are in the Martin limestone at places where the beds have been broken by steeply inclined fractures. The principal ore body is on a fracture zone with a trend somewhat north of east. The ore has been followed for about 300 feet into the mountain along this zone. Ore of good grade is confined vertically to a zone only about 15 feet high and from a few inches to a number of feet in width, but the mineralized rock extends beyond these limits. In the lower part of the winze is a green rock, evidently a mineralized quartzite, so that it is probable that alteration by the mineralizing solutions extended down into the Troy quartzite. This rock contains quartz, part of which retains its original clastic texture, chlorite, calcite, epidote, and pyrite. According to Doctor Roberts, the ore body here is largely worked out except for pillars and low-grade ore making out along the bedding of the limestone. Other ore shoots may be developed. The ore seen at the time of visit consists largely of quartz, limonite and kindred oxidized iron minerals, cerusite and probably other oxidized lead minerals, and some white alunite. The high-grade ore is stated to have contained much coarse wire gold.

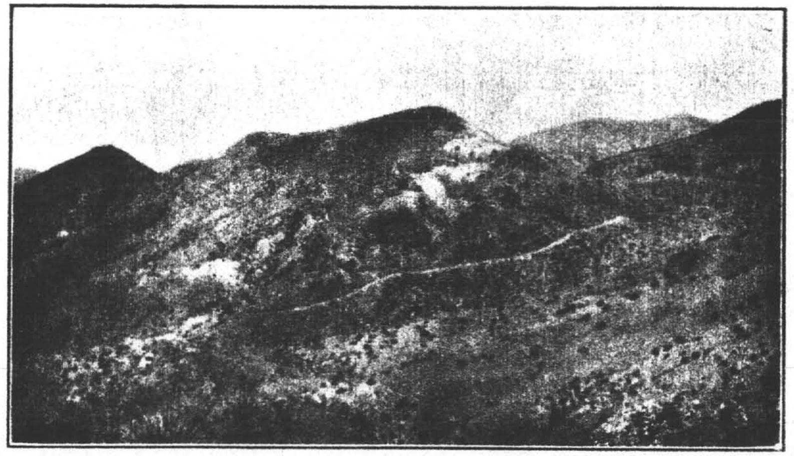
GOLD-COPPER MINES CO.

The property of the Gold-Copper Mines Co. is a little over a quarter of a mile southeast of the Apex mine on the road to Finney. The mine buildings are on the crest of the divide of the Dripping



A. CURTIN SHAFT

Tornado Peak in the distance



B. WORKINGS ON THE SCHNEIDER GROUP OF THE GILA CANYON COPPER CO.

Spring Range, at an altitude of about 4,250 feet, and the workings are near by on the northeast slope of the ridge.

The deposit was located about 1914 by S. O. Stewart, who gave J. H. Ramsey a half interest in it for working it. Later the Gold-Copper Mines Co. was formed and additional claims were located. In 1921 Ramsey and Doctor Ruff acquired an option on the property and did some work. A mill was completed in the fall of 1921, but no ore has been shipped, and when visited in June, 1922, the property was idle.

The mine is developed by several tunnels one above another. At the mouth of the lowest is the mill, which is equipped with amalgamation plates, two concentrating tables, and, below these, cyanide tanks. It is reported to have been in operation 11 days and to have treated 23 tons of ore. On the ridge above the mine are several houses, one of which is occupied by J. J. Hill, who was of assistance in the examination of the property.

The country rock of the mine is principally the Martin limestone. The tunnels follow a vein striking about N. 80° W., with nearly vertical dip. One tunnel follows another and smaller mineralized fissure. In a number of places altered igneous rock forms the south wall of the main vein. In the hand specimen this is a fine-grained dull-green rock speckled with numerous small white feldspar phenocrysts. Under the microscope it is seen to be so highly altered that close determination of its original character is impossible. It is an aggregate of chlorite, epidote, residual bits of feldspar, and indeterminate alteration products. The rock is probably an altered intrusive andesite, perhaps related to the dioritic dikes that are common in this region. The limestone along the fissure is mineralized for a width of a foot or two. In the central part is a seam several inches wide consisting largely of long, narrow, well-formed quartz crystals, a feature not observed in any of the other deposits examined. In several places the mineralization extended short distances away from the vein along the bedding planes of the limestone. A little copper-stained pyrite was noted at one place, and at the mouth of one tunnel was a small pile of mineralized rock containing malachite.

HOGVALL PROSPECT

Anton Hogvall has a prospect on the south side of a gulch three-quarters of a mile almost due west of Tornado Peak and somewhat over half a mile southwest of Chilito. Here several short tunnels have been opened on mineralized stringers and irregular gossan bodies in the Martin limestone. Pyrite was seen on the dump of one tunnel. The ore is reported to carry gold.

CONCENTRATED MINING ACTIVITIES FROM ARIZONA, NEW MEXICO AND OLD MEXICO

COCHISE

Articles of incorporation have been iled for the **Copper Mining and Concentrating Company,** capitalized at $75,000. The principal place of business is given s Bisbee. The incorporators include W. H. Remington, J. D. Murphy, George Quinby and John A. Stewart.

The work of concreting the **Dallas shaft** of the C. & A. in the Bisbee district was ecently completed. The shaft was conreted from the surface to the bottom, a istance of 1600 feet. A number of ore ockets were included in the work.

The property of the **Black Prince Copper Company,** situated in the Cochise disrict, will be sold at public auction on December 19, at Tombstone, in order to atisfy a judgment obtained against the ompany in the sum of $6,627.42.

It is reported that a good sized body of igh grade ore has been opened up on the Wakefield silver-gold claims in the Hauchuca mountains, which are being worked nder lease and bond by Messrs. Medigovich and Litich, of Bisbee. The recent trike is said to carry values from $1,500 o $3,000 per ton. The leasors have rected a five-ton mill and concentrator n the property and are saving 90 per ent of the values. It is estimated that here are 500 tons of ore in sight in the mine and on the dumps.

GILA

Steady progress has been made on the haft of the **Louis d'Or** mine, in the Miami istrict, a depth of 260 feet being reached. Water was struck at 255 feet, and at this oint chunks of ore assaying up to 15 per ent copper and in one instance, up to 26 er cent was found. Assays indicate that he shaft, which is located on the Bessie roup of claims, penetrates ore averagng 2 per cent in copper. A water supply ite was recently leased by the company.

The **Live Oak** mine of the **Inspiration Consolidated** in the Miami district, is producing a considerable quantity of silica. Some of this is being put through the test eaching plant of the Inspiration company, nd the balance is being shipped from Live Oak to the International smelter, where it is being used for fluxing purposes.

The **Gold, Copper Mines Company,** whose property is situated about three miles north of Christmas, is operating a 0-ton Gibson mill, the concentrate assayng $200 bold, 13 ounces silver and 30 er cent lead, it is reported. The vein is pened by three tunnels, 100 feet apart ertically, penetrating the mountain 750 eet, 600 feet and 300 feet respectively. The ledge is of an average width of two eet and a large amount of ore is exposed. Development work will be actively prosecuted beginning the first of the ear.

The **Atlantis Mining Company,** in the Ox Bow district in the vicinity of Payson, ill resume active operations soon after he first of the year, according to A. oozer, general manager of the property, ho has ... Alantis mine, which is a copper-gold property, has been worked actively since 1919. The company has sunk a shaft to the depth of 176 feet, which is the water level. They will now turn their attention to drfiting along the vein. They have over 700 feet of tunneling on the property and have a 20-ton mill erected.

The **Superior & Boston Copper Company** resumed mining operations on the 8th of the month with a small force which will be gradually increased. Moderately low grade ores only will be mined for the present, in order that they may be handled at the International smelter. Mining was resumed in the stopes at the 400 and 600 levels of the Footwall vein, where there is a considerable tonnage of opened ore that is available for shipment. The resumption at the S. & P. property is most encouraging in the local situation, and is the most important mining development in the district since the announcement of the resumption of operations at the International smelter.

MOHAVE

The **Cliff Central Mining Company** has filed application for permission to apply 500,000 shares of stock on the purchase of property and to sell 750,000 shares at 5 cents a share. The company has an authorized capital stock of $150,000, divided into 1,500,000 shares at 10 cents, the stock being assessable.

It is reported from Chloride that the crosscut from the 250 level of the **Tuckahoe** mine cut through eight feet of ore that carried an average value of 300 ounces silver to the ton. Under the management of E. J. Carter, the Tuckahoe has been opened to a depth of 250 feet and considerable lateral work carried on. On a recent trip to the east Mr. Carter is said to have been successful in financing the company for further development of the property on a large scale.

The east drift from the 500 level of the **United American** at Oatman, has been driven about 50 feet into the new orebody and the ore extends beyond the width of the drift. The average of the ore, a sample of which shows considerable free gold and is similar to the rich ore found in the Tom Reed at the 500 level, is higher than anything heretofore found in the property. Stopes are being opened to extract ores from the upper levels of the property from which shipments will soon be going forward to the Tom Reed mill.

The Sunbeam group in the Katherine section has been taken over by the **Silver Hills Mining Company,** of Nevada, in which W. J. Loring is interested. The Sunbeam group consists of five claims that lie close to the Gold Chain mine, and the management is convinced that there are great possibilities in the property.

L. D. Adams, of Kingman, recently examined the **McCracken** mine with a view of taking over the property for large interests, and equipping it with modern operating and reduction machinery. The McCracken is an old mine developed to the 600 level and during the period 1874 to 1880, is reported to have produced some $4,000,000 in bullion, and later a large tonnage of silver-lead concentrates were sent to the smelter.

The **Kaaba Mining and Milling Company** is now driving a diamond drill into the vein at a depth of 310 feet, on its property near the Standard Minerals, where they are reported to have opened an eight-foot vein of ore with assays of $13,610 in gold and $86.90 in vanadium. The property of the Kaaba company was taken over severals years ago by W. E. Little, who has installed a mill and a pumping plant on the property.

It is reported that plans are under way to have the **Tom Reed** mill at Oatman handle the ores from the United American mine, the American to furnish 100 tons daily. The Tom Reed mill is at present handling 100 tons of the Reed's high grade ore, though the capacity of the plant is better than 300 tons daily. The custom milling of ores for other mines of the district, would be of immense value in stimulating the industry around Oatman, it is said.

The **Katherine Russell Mining Company** has been authorized to issue 600,000 shares to W. C. Russell, George M. Keller, L. O. Tucker, Bryan C. Farrell and Raymond C. Wiley, and to sell 100,000 shares at 65 cents a share. The company, which incorporated November 25 for $1,500,000, divided into a like number of shares at $1, owns unpatented lode mining claims in the San Francisco district.

The best grade of ore thus far disclosed in the **Gold Chain** mine was recently uncovered at a point 140 feet east of the shaft on the 100 level. It has since been crosscut a distance of 20 feet. The ore pans freely, is well oxidized and carries considerable gold. Further development of the new find will doubtless result in demonstration of an ore breadth equal to that in the crosscut north of the shaft, where 46 feet of pay quartz has been opened.

Work has been started on the **Katherine Victor** property, better known as the Noontime group, which was located some time ago by E. Ross Housholder, mining

(Continued on page 18)

To Will

Date 10/24 Time 8:55

WHILE YOU WERE OUT

M Velazco

of

Phone 326-0899

Area Code Number Extension

TELEPHONED	X	PLEASE CALL	X
CALLED TO SEE YOU		WILL CALL AGAIN	
WANTS TO SEE YOU		URGENT	

RETURNED YOUR CALL	

Message

(I told Mr Velazco that you were NOT in town yesterday)

Operator

Bernard
Bernie Velasco
602-326-0899

No hurry
Talked to Velasco
29 Sep 89

4 miles from Winkleman - Dripping Spring Mtns
San Bernardo

Spent $17,756.00

Affadavit of Labor May 20 - Aug 9, 1988
$15,500

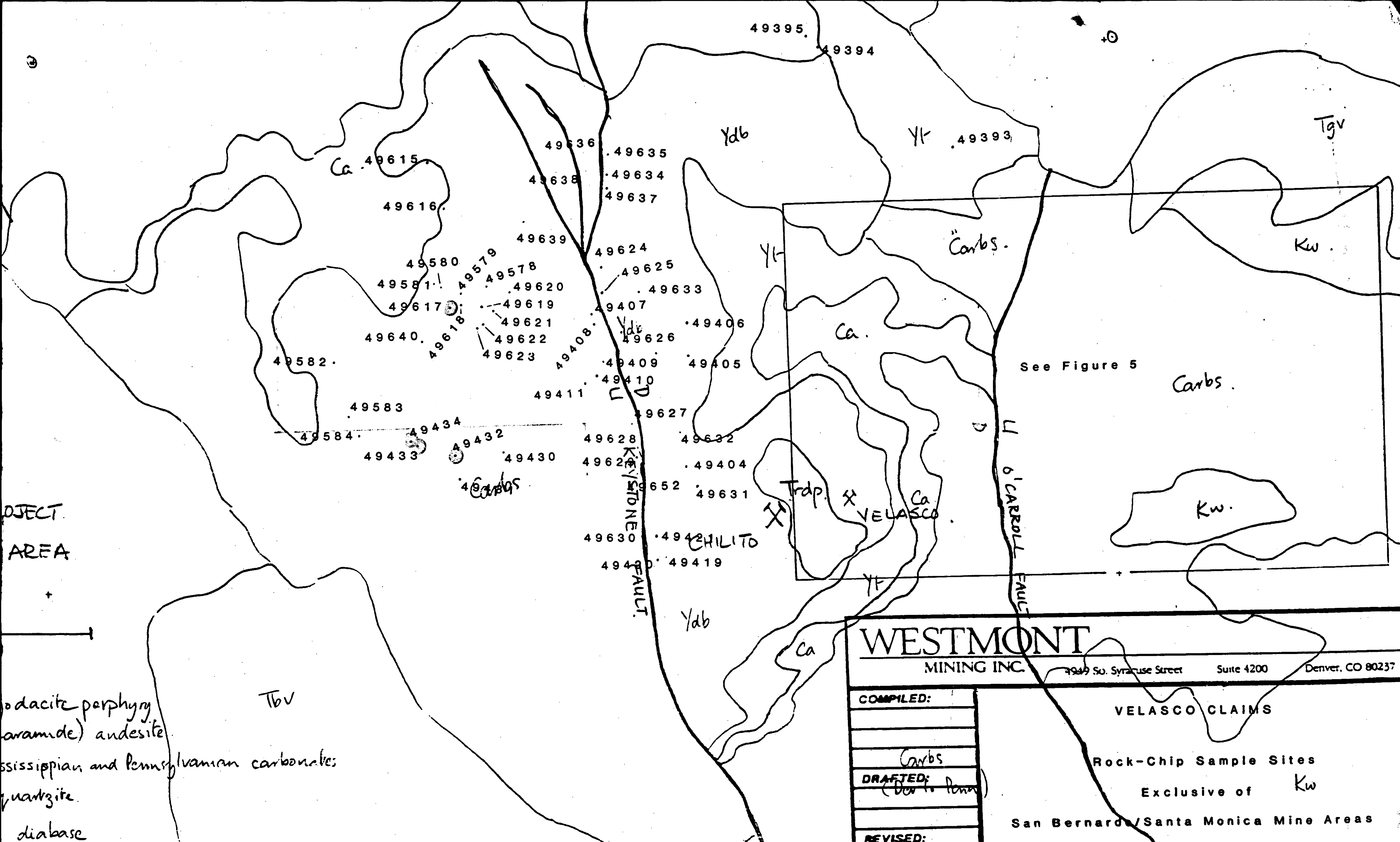
They have copies of all the work Hugo did

Hugo Spoke to ASARCO, Cyprus & Velasco re: j.v.

Jonathan Duhamel (PD) looked at prop at Velasco's request. Wants to know if Westmont is still interested
Hugo had set up mtgs. w/ Duhamel

Call Hugo re: this

w/o Cyprus, area of interest cut in half.



WESTMONT
MINING INC.
4949 So. Syracuse Street Suite 4200 Denver, CO 80237
COMPILED:
Carbs
DRAFTED: (Dev to Penn)
REVISED:
VELASCO CLAIMS
Rock-Chip Sample Sites
Exclusive of Kw
San Bernardo/Santa Monica Mine Areas
See Figure 5
O'CARROLL FAULT
KEYSTONE FAULT
VELASCO
CHILITO
Carbs
Kw
Tgv
Ydb
Yr
Ca
Trdp
Tbv
OJECT
AREA
odacite porphyry
aramide) andesite
ssissippian and Pennsylvanian carbonates
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File Copy

WESTMONT
MINING INC.

May 25, 1990

Mr. Bernard C. Velasco
2904 E. Elm
Tucson, AZ 85716

Dear Bernie:

Enclosed is a preliminary copy of the data Syver More generated on your San Bernardo claims. I will send a drafted copy of the sample location map later, but I wanted to get this data to you as soon as possible.

I have also enclosed invoices for the work performed at San Bernardo. You should be able to apply this towards your assessment work.

I am sorry that we had to terminate our discussion as a result of Westmont's budget problems. As I told you, I am being forced to lay off three of my contract geologists, Syver included.

I apologize for any inconvenience this may have caused you and hope that we can perhaps conduct business again in the future.

Sincerely,

Will

William H. Wilkinson
District Geologist

WHW:psp

2341 South Friebus Suite 12 Tucson, AZ 85713 (602) 881-8871 FAX (602) 327-8782

PERSONNEL CHARGES - SAN BERNARDO PROPERTY

Time Period: March 15 through March 25, 1990

Personnel: Syver More

5 days	$1,125.00
Transportation	$209.00
Expenses	$120.00
TOTAL	$1,454.00

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

INVOICE
NET 30 DAYS

Job No. UGH 275
April 10, 1990
2124 TO 2166

WESTMONT MINING, INC.
Attn: Mr. S.W. More
2341 S. Friebus, Suite 12
Tucson, AZ 85713

Analysis of 41 Rock Chip and 2 Pulp Samples

43 GREAT BASIN #3 @ $16.00*	$688.00
43 Cu,Pb,Zn,Mo(ppm) @ $2.80*	$120.40
41 samples crushed, split and pulverized @ $3.66	$150.06
Totals	$958.46

* Multi Element Discount

COPY

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

SAN BERNARDO SAMPLES

2124-2126	Limestone breccia near rhyodacite dikes (west of Keystone Fault zone)
2127-2136	Keystone Fault zone - major 140' wide shear cutting Precambrian diabase and quartzite
2137-2136	Chilito Mine - Tertiary rhyodacite plug and strong quartz-sericite (N25°W, vertical) shearing and veining (quartz-sericite-CuOx ± pyrite ± chalcopyrite. Important to find out if gold is associated with this calc-alkalie plug.
2161	Pyritic dump material in fault zone in prospect at 2162
2162	FeOx + gouge in Precambrian Troy quartzite (after pyrite) at Chilto Mine

TO: William H. Wilkinson
FROM: Syver W. More
DATE: April 5, 1990
SUBJECT: Interim Report - San Bernardo Program

San Bernardo Property, Pinal County, Arizona

Introduction

An analysis of Westmont's San Bernardo property data package was undertaken at the request of client for an alternative appraisal of the exploration potential within the San Bernardo claim boundaries. A three-day field examination of relevant sites followed, and consisted of bench sampling of the Chilito rhyodacite plug and detailed sampling of a 140'-wide shear zone in diabase across a rare, continuous exposure of the Keystone fault. Multiple traverses were made along favourable replacement horizons (Abrigo-Lower Martin, Escabrosa, Horquilla) for examination and comparison.

The reader is referred to Hasenohr's summary project report paper detailing Westmont's sampling investigation of the San Bernardo property, plus the correspondence with Bob Holt and the Velasco's for a review of the land situation.

Target Geology

The Velasco claims have been examined as a potential porphyry skarn/replacement deposit since the early 1960's. The claims lie approximately two miles west of Cyprus' inactive Christmas Mine and six miles southeast of Asarco's multi-billion-ton Ray deposit. The intense calc-alkaline dyke swarms and capture of the Chilito Mine rhyodacite plug along a major shear, plus the zonation of lead-zinc camps peripherally about the Chilito area (New Year, 79 Mine, Santa Monica, and San Bernardo mine areas), have led to models of a buried porphyry system in the SE corner of the claim block, with both intrusive and skarn/replacement-hosted mineralization. Favourable horizons within the straigraphic section include the O'Carroll beds in the lower Martin formation (at and above the basal contact with the Abrigo), within the fractured interbeds of massive Escabrosa Formation, and within units of the Naco group (Horquilla Limestone).

The eastern third of the San Bernardo claim block lies within a horst block (informally termed the Keystone Block) in which most of the Paleozoic section has been stripped, leaving a broad expanse of preCambrian diabase sills and basalt flows, Mescal limestone/dolomite, and Troy quartzite, i.e., less favourably-reactive hosts. Much of the slopes and canyons are covered with boulder talus, obscuring contacts and fractures.

Krieger's geologic map of the Hayden quadrangle fails to communicate the tremendous fracturing and shearing as evidenced along the Cowboy, Kelly Springs, Keystone, O'Carroll, and Joker (in the adjacent Christmas quadrangle) Faults. Prolonged repetitive movement serves to generate permeability and hence enhances the San Bernardo area as a target for replacement bodies.

The Chilito plug (a small, rhyodacitic, low-sulphide, phyllic stockwork deposit) lies coincident with the WNW-trending anticlinal core of the range, i.e., near the projected intersection of the NS-trending Keystone Horst and numerous EW-ENE rhyodacite dyke swarms.
Without digressing into an academic review and discussion of localisation mechanisms and controls of porphyry systems, it should be noted that the Chilito plug
exhibits a pronounced N. 20 -25 W. shearing and vein orientation, suggesting capture or localization in a subsidiary cymoid deflection off of the Keystone Fault. The eastern third
of the claim block is the site of numerous mines and prospects. The seeming spatial coincidence of prospects with the O'Carroll and Keystone Faults is intriguing, but resolution of district structural controls on mineralization awaits further study.

Regionally the metallogeny of the productive mines is distinctly base-metal rich, with trace to nihil gold values from central productive primary ore zones. The Ray, Christmas (cf: Banner), and Saddle Mountain (?) districts are associated with predominantly calc-alkaline igneous assemblages. Primary ore from the Christmas deposit is nihil, while the Ray deposit averages .000X opt.
The only evidence of porphyry-related, precious-metal mineralization in the region is evidenced at Little Gold Gulch, located southeast of Christmas on the San Carlos Reservation. Upper-level porphyry assemblages, including intrusive and pebble-breccia dykes and stockwork veins emplaced in Williamson Canyon volcanics, carry significant silver and gold values, albeit of narrow extent.

Geochemistry

Ed Hasenohr conducted a detailed vein, prospect, and dump sampling program on the property in 1988, and demonstrated elevated gold values in supergene-enriched vein and fracture-filling mineralization of skarn and carbonate replacements. A follow-up heavy-minerals stream-sediment concentrate sampling program (using Fipke seperation tehniques) revealed two catchment areas, centred along the Keystone and O'Carroll horst-bounding faults at the eastern third of the claim block.

An explanation for the stream-sediment anomalies is not readily apparent. While the easternmost anomaly may be attributable to contamination from the numerous prospects in the Santa Monica and San Bernardo
camps, the linearity of the anomaly with the NE-trending dyke swarms also suggests a structural control, i.e., intersection-related. The central anomaly, south of Tam O'Shanter Peak, projects northwesterly from the Keystone Fault into a broad expanse of Martin and Escabrosa limestone notable for the profusion of rhyodacitic dykes and for a lack of obvious mineralization, i.e., prospects. Prospecting along these central-area washes fails to offer evidence of mineralizatation due to alluvial cover concealing dykes and fractures zones.

Recent Sampling Geochemistry

A limited sampling program was undertaken during the field examination to answer questions as to the affinity of gold to the rhodacite plug and to the apparent disposition about the Keystone Fault.

Eight samples of sheared pC diabase exposed for 140' along a road cut were collected (# 2127-2136) to test for leakage along the Keystone Fault, with negative results. Gold values overall are low, (2 - 18 ppb Au), while base-metal values are weakly elevated (60-155 ppm Cu, 6-40 ppm Pb).

Sampling of the Chilito rhyodacite plug (off of the San Bernardo claims) (# 2137-2160) reveals weakly elevated gold values of 4-80 ppb Au (x=25 ppb Au), with high copper (560-6000 ppm Cu, x=1800 ppm Cu), Mo (x=20 ppm Mo), and virtually no lead or zinc enhancement.

Several samples of limestone bedding breccia (# 2124-2126) taken southwest of Tam O'Shanter Peak show weakly elevated gold values (4, 14, and 55 ppb Au).

Synthesis and Conclusions

The modest gold values encountered in the Chilito plug fractures and veins suggest that the gold in gossan samples may be genetically tied to the magamtism responsible for the Chilito rhyodacite plug and the temporally late-stage (?) rhyodacite dyke swarms, rather than to a dioritic pluton at depth. The pronounced lead-zinc zonation about the Chilito Mine, as suggested by the disposition of the 79-New Years-Santa Monica-San Bernardo Mines, may be extrapolated into the anomalous gold areas defined in the limited stream-sediment survey as products of fringe-zonation phenomena from the Chilito plug centre, or else as upper zonation about seperate related plutons.


DRIPPING SPRING MOUNTAINS
Tam O'Shanter Peak
Tornado Peak
2126
2124
2125
2127–2136
2137–2161
2162
Spring
Wash
BM 2254
JEEP TRAIL
Santa Monica Camp
San Bernardo Jr. Mine
Chilito Mine
Velasco Pit
Water Tank
Wells
New Year Mine
Keystone Canyon
Canyon
INDEFINITE BOUNDARY
GILA CO
PINAL CO

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

REPORT OF ANALYSIS

JOB NO. UGH 275
April 10, 1990
2124 TO 2166

WESTMONT MINING, INC.
Attn: Mr. S.W. More
2341 S. Friebus, Suite 12
Tucson, AZ 85713

Analysis of 41 Rock Chip and 2 Pulp Samples

SAN BERNARDO PROPERTY

	ITEM	SAMPLE NO.	FIRE ASSAY Au* (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
Limestone Breccia	1	2124	.004	.25	20.0	.8
	2	2125	.055	<.05	9.0	.5
	3	2126	.014	.10	8.5	.4
Keystone Fault Zone	4	2127	.004	.10	24.0	.6
	5	2128	.002	.10	8.0	.3
	6	2129	.018	.10	18.0	.6
	7	2130	.006	.10	4.2	.2
	8	2131	.004	.10	2.2	.6
	9	2132	<.002	.10	4.0	.2
	10	2133	.018	.25	17.0	.2
	11	2134	.006	.10	16.0	.3
	12	2135	.018	.15	2.4	.1
	13	2136	.010	.15	2.2	<.1
Chilito Mine Area	14	2137	.028	.70	1.0	<.1
	15	2138	.034	.70	1.0	<.1
	16	2139	.070	.70	1.2	<.1
	17	2140	.034	.80	.6	<.1
	18	2141	.040	.60	.6	<.1
	19	2142	.034	.70	.8	<.1
	20	2143	.040	.75	.8	<.1
	21	2144	.010	.30	.8	<.1
	22	2145	.014	.50	.6	<.1
	23	2146	.018	.75	1.8	.7
	24	2147	.034	.55	.8	<.1
	25	2148	.004	.45	.4	<.1

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

JOB NO. UGH 275
April 10, 1990

	ITEM	SAMPLE NO.	FIRE ASSAY Au* (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
Chilito Mine Area	26	2149	.008	.55	.6	<.1
	27	2150	.010	.45	2.6	<.1
	28	2151	.020	.50	.6	<.1
	29	2152	.012	.55	1.0	<.1
	30	2153	.004	.40	.4	<.1
	31	2154	.006	.40	.4	<.1
	32	2155	.010	.55	.4	<.1
	33	2156	.006	.45	4.0	<.1
	34	2157	.080	.45	3.4	<.1
	35	2158	.018	.80	.8	<.1
	36	2159	.018	.90	.4	<.1
	37	2160	.030	.85	1.0	<.1
	38	2161	.004	.85	6.0	.2
	39	2162	.065	6.50	14.0	.2

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JOB NO. UGH 275
April 10, 1990

ITEM	SAMPLE NO.	Hg (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
1	2124	.06	6.	40.	12.
2	2125	.17	14.	12.	6.
3	2126	<.01	12.	10.	6.
4	2127	.02	60.	16.	46.
5	2128	.03	75.	14.	38.
6	2129	.05	95.	14.	48.
7	2130	.02	80.	14.	48.
8	2131	.18	75.	14.	44.
9	2132	.01	90.	12.	42.
10	2133	.01	80.	10.	36.
11	2134	<.01	130.	4.	48.
12	2135	.01	155.	10.	36.
13	2136	.02	8.	6.	<2.
14	2137	.03	2850.	6.	28.
15	2138	.02	3300.	6.	12.
16	2139	.02	2600.	6.	16.
17	2140	.03	5750.	6.	16.
18	2141	.04	6000.	8.	22.
19	2142	.03	2200.	6.	16.
20	2143	.02	1450.	4.	6.
21	2144	.02	940.	2.	4.
22	2145	.01	610.	2.	4.
23	2146	.01	1450.	4.	8.
24	2147	.02	2200.	4.	10.
25	2148	.02	1950.	6.	8.

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JOB NO. UGH 275
April 10, 1990

ITEM	SAMPLE NO.	Hg (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
26	2149	.01	1050.	<2.	<2.
27	2150	.01	650.	12.	<2.
28	2151	.05	1000.	4.	2.
29	2152	.03	1100.	<2.	4.
30	2153	.02	560.	4.	<2.
31	2154	.01	790.	<2.	<2.
32	2155	.02	1050.	<2.	2.
33	2156	.02	580.	2.	<2.
34	2157	.02	580.	<2.	6.
35	2158	.01	1700.	4.	22.
36	2159	.01	1050.	6.	20.
37	2160	.02	1750.	4.	40.
38	2161	.02	465.	10.	10.
39	2162	.02	2350.	<2.	34.

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JOB NO. UGH 275
April 10, 1990

ITEM	SAMPLE NO.	Mo (ppm)
1	2124	<2.
2	2125	<2.
3	2126	<2.
4	2127	<2.
5	2128	<2.
6	2129	<2.
7	2130	<2.
8	2131	<2.
9	2132	<2.
10	2133	<2.
11	2134	<2.
12	2135	<2.
13	2136	<2.
14	2137	22.
15	2138	8.
16	2139	20.
17	2140	16.
18	2141	12.
19	2142	8.
20	2143	14.
21	2144	24.
22	2145	20.
23	2146	44.
24	2147	48.
25	2148	48.

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JOB NO. UGH 275
April 10, 1990

ITEM	SAMPLE NO.	Mo (ppm)
26	2149	26.
27	2150	38.
28	2151	26.
29	2152	26.
30	2153	10.
31	2154	8.
32	2155	12.
33	2156	16.
34	2157	14.
35	2158	10.
36	2159	6.
37	2160	4.
38	2161	46.
39	2162	16.

*NOTE: Method of analysis by combination fire assay and atomic absorption.

cc: Dr. William H. Wilkinson

4/12/90

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San Bernardo Project

Results from rock-chip gold and silver assay

Sample #	Au (ppm)	Ag (ppm)
49348	0.07	1.27
49349	0.10	0.55
49350	0.27	ND
49351	0.07	0.58
49352	0.82	2.37
49353	0.03	0.41
49354	0.01	0.31
49355	0.07	0.93
49356	0.03	ND
49357	0.03	ND
49358	0.07	3.19
49361	ND	0.89
49362	0.03	ND
49363	0.05	5.52
49364	1.85	25.06
49365	0.58	36.75
49366	0.55	7.27
49367	0.10	4.39
49368	ND	4.87
49369	0.41	9.53
49370	0.24	22.42
49371	0.23	18.34
49372	0.14	8.54
49373	1.71	34.64
49374	0.10	2.98
49375	0.14	3.50
49376	12.82	48.31
49377	3.22	107.76
49378	0.31	2.57
49379	0.51	10.90
49380	ND	4.32
49381	0.55	27.43
49382	0.96	3.02
49383	0.07	8.78

Sample #	Au (ppm)	Ag (ppm)
49384	0.69	32.43
49385	0.89	52.46
49386	0.82	16.80
49388	0.34	14.33
49389	2.47	25.71
49390	0.21	0.41
49391	0.82	1.37
49392	0.69	58.28
49393	0.07	4.46
49394	0.06	ND
49395	0.07	ND
49396	0.27	0.41
49397	0.14	10.08
49398	0.20	5.21
49404	0.07	11.66
49405	0.07	0.69
49406	0.89	92.22
49407	0.14	9.39
49408	0.03	8.57
49409	0.24	25.37
49410	2.50	229.72
49411	0.07	6.51
49419	0.24	9.26
49420	0.14	14.06
49421	0.21	89.83
49430	0.55	0.69
49431	0.07	1.37
49432	3.15	31.54
49433	1.23	21.74
49434	2.54	18.99
49435	7.82	25.92
49436	9.87	12.89
49437	0.27	3.84
49438	49.58	5.69
49439	3.15	17.07
49440	0.06	3.77

Sample #	Au (ppm)	Ag (ppm)
49445	ND	ND
49446	0.03	0.89
49528	ND	4.32
49540	0.03	0.82
49541	3.84	6.45
49542	2.13	7.13
49544	0.02	0.27
49545	11.04	62.06
49546	1.68	71.45
49547	0.03	ND
49548	0.85	4.18
49549	0.03	ND
49550	0.03	ND
49551	0.02	ND
49552	0.02	ND
49557	0.02	3.87
49558	0.01	ND
49559	0.01	0.10
49560	0.27	13.44
49561	1.03	ND
49562	1.37	13.54
49563	ND	0.82
49564	ND	ND
49565	ND	0.07
49566	0.01	0.48
49567	0.01	2.22
49568	0.49	19.82
49569	0.03	1.17
49570	0.24	2.57
49571	0.31	13.95
49572	ND	ND
49573	ND	ND
49574	0.03	0.41
49578	ND	1.82
49579	ND	0.38
49580	ND	0.10

Sample #	Au (ppm)	Ag (ppm)
49581	ND	0.69
49582	0.02	7.51
49583	ND	0.14
49584	0.03	2.91
49588	0.24	4.73
49589	0.07	4.15
49590	0.01	ND
49591	1.75	11.90
49592	0.03	1.75
49593	0.01	ND
49594	0.03	4.15
49595	0.01	0.89
49596	ND	0.03
49597	0.07	3.12
49598	0.10	3.60
49599	0.03	ND
49600	0.01	ND
49601	0.01	0.86
49602	ND	ND
49615	0.02	ND
49616	ND	1.23
49617	0.72	15.98
49618	ND	0.72
49619	0.01	3.22
49620	0.01	0.45
49621	ND	0.10
49622	ND	ND
49623	ND	1.58
49624	ND	ND
49625	ND	ND
49626	ND	ND
49627	0.03	ND
49628	ND	92.81
49629	ND	6.99
49630	ND	8.98
49631	ND	0.65

Sample #	Au (ppm)	Ag (ppm)
49632	ND	ND
49633	ND	ND
49634	0.01	ND
49635	ND	ND
49636	ND	ND
49637	0.07	ND
49638	0.01	ND
49639	0.01	ND
49640	0.02	0.10
49652	ND	ND

San Bernardo Project

Results from stream sediment gold-silver-copper assay

Gold analysis: Neutron activation

Silver and copper analysis: HNO3-HCl hot extraction and atomic absorption

*Two gold values for a single sample represent instances when the sample was split in the lab into two unequal fractions in order to fit in the lab vials.

Sample #	Au (ppb)	Ag (ppm)	Cu (ppm)
49301	<5	<0.1	107
	6		
49302	15	<0.1	139
	250		
49303	6	<0.1	108
	16		
49304	3190	18	123
49305	6	0.1	184
49306	71	<0.1	256
49307	<20	0.2	202
49308	350	<0.1	158
49309	<24	0.1	135
49310	<20	<0.1	161
49311	<19	0.1	317
49312	<13	<0.1	262
49313	12	<0.1	338
49314	<24	0.3	538
	480		
49315	45	0.3	63
	78		
49316	<19	6.9	129
49317	3210	0.3	115
	<24		
49318	862	<0.1	1500
49319	12	1.5	640
49320	1170	0.1	30
	480		
49321	10	<0.1	89

Sample #	Au (ppb)	Ag (ppm)	Cu (ppm)
49322	78	<0.1	39
	6150		
49323	23	<0.1	160
49324	3210	0.1	222
49325	862	<0.1	64
49326	430	2.1	665
49327	57	<0.1	295
49328	190	2.4	206
49329	<18	0.3	155
49330	44	21	415
49331	12	0.5	350
49332	<5	<0.1	51
49333	5	2.9	110
49334	<5	0.3	87
49335	19	26	1365
49336	23	0.1	106
	10		
49337	839	21	1840
49338	10300	5.8	1700
49339	230	1.5	139
49340	2750	3.2	218
49341	430	5.6	92
49342	19900	>50	940

San Bernardo

		Sample		Au (ppm)	Ag (ppm)
	Diabase (Ydb)	49347		0.10	0.65
	Ls (Dpm) q-py (FeOx) v.	49348		0.07	1.27
	Ls (Dpm) q-py v.	49349		0.10	0.55
	Ls (Dpm) w/calc-sil; q-py v.	49350		0.27	ND
	Ls (Dpm) w/calc-sil, q-py v.	49351		0.07	0.58
X	Ls (Dpm) w/calc-sil, q-py v.	49352		0.82	2.37
	Diabase (Ydb)	49353	✓	0.03	0.41
	Qtzite (Ꞓa)	49354	✓	0.01	0.31
	Ls (Dpm) w/calc-sil, q-py v.	49355	✓	0.07	0.93
	Dol, q-py (FeOx) v., calc-sil	49356		0.03	ND
	Dol. (Dpm.)	49357	✓	0.03	ND
	Qtzite (Ꞓa), q-py v., $CuCO_3$	49358		0.07	3.19
	Basalt (Kw), alt, FeOx, py	49359	✓	ND	ND
	Basalt (Kw), alt, FeOx, py	49360		ND	1.17
	Dol, SiO_2, calc-sil	49361	✓	ND	0.89
	Dol + qtzite + fault brx, q-py-cal v.	49362		0.03	ND
	Qtzite (Ꞓa), q-py-ser v.	49363	✓	0.05	5.52
X	Qtzite (Ꞓa) + dol (skarn) (Dpm), SiO_2, gos.	49364	✓	1.85	25.06
X	Qtzite (Ꞓa) + ls, py-ser-q v.	49365	✓	0.58	36.75
/	Qtzite (Ꞓa) w/py, q-py v. $CuCO_3$ (tr)	49366	✓	0.55	7.27

	Description	Sample	Au (ppm)	Ag (ppm)
	Ls(Dpm), q-py-ser v.	49367	0.10	4.39
	Skarn - gar+cal+mag+py	49368 ✓	ND	4.87
X	Qtzite (fa) + gos.	49369	0.41	9.53
X	Ls. + skarn - mag, chl	49370 ✓	0.24	22.42
X	Ls, q-py-ser v., mag	49371	0.23	18.34
X	Qtzite(fa) + ls(Dpm), q-py v.	49372	0.14	8.54
X	Ls(Dpm) + ss(fa), q-py v.	49373	1.71	34.63
	Ss(fa), q-py-ser v.	49374	0.10	2.98
	Ls/dol + ss, calc-sil, q-py v.	49375	0.14	3.50
X	Ss + dol, q-py-ser v.	49376 ✓	12.82	48.31
X	Ss (fa) + dol, q-py v.	49377	3.22	107.76
	Ls/dol (Dpm) + por.-alt, gos.	49378	0.31	2.57
X	Ss(fa) -alt, q-py v., gos.	49379	0.51	10.90
	Ss, q-py-ser v.	49380	ND	4.32
X	Ss + por., q+py v.	49381	0.55	27.43
X	Ls(Dpm), q-py v.	49382	0.96	3.02
	Ls(Dpm)-alt, q-py v., gos.	49383	0.07	8.78
X	Ss + por., alt, q-py v., gos	49384	0.69	32.43
X	Ss + por., q-py v.	49385	0.89	52.46
X	Ss + ls - SiO_2, q-py v., gos.	49386	0.82	16.80

		Sample	Au (ppm)	Ag (ppm)
	Qtzite (Y_t) – $CuCO_3$	49387	0.07	6.93
X	Gossan	49388	0.34	14.33
X	Ss (fa), q + py v., tr. $CuCO_3$	49389	2.47	25.71
	Brx	49390 ✓	0.21	0.41
X	Qtzite (fa) - q + py v.	49391	0.82	1.37
X	Qtz v. + FeOx	49392	0.69	58.28
	Sediment (stream)	49393	0.07	4.46
	Stream sediment	49394	0.06	ND
	Stream sediment	49395	0.07	ND
	Skarn - hem, mag, epid, gar, $CuCO_3$	49396	0.27	0.41
	Skarn - gar, epid + gos.	49397	0.14	10.08
	Gos. - FeOx, mag + $CuCO_3$	49398	0.20	5.21
X	Gos + skarn (gar + epid) New Yr.	49399	0.41	28.66
X	Gos + skarn New Yr.	49400	0.10	44.57
X	Gos. – FeOx + q v. + $CuCO_3$ New Yr.	49401	0.03	37.37
X	Qtz - FeOx v. + skarn (gar, ep) New Yr.	49402	0.51	167.66
X	Skarn - gar., epid, q, py New Yr.	49403 ✓	0.62	137.14
X	Ls (Y_m) + q - py - ser v. $CuCO_3$ tr. Keystone Cny. ↓	49404	0.07	11.66
	Diabase (Y_{db}) + q - py - ser v.	49405	0.07	0.69
X	Qtz - py v. in Y_{db}	49406	0.89	92.22

	Description	Sample		Au (ppm)	Ag (ppm)
X	Ls + q-FeOx-clay-sev. v (Keystone Cny.)	49407		0.14	9.39
	Brx (ls) w/ q-FeOx-cal	49408		0.03	8.57
X	Ls(Me) + q-py v.	49409		0.24	25.37
X	Qtz-FeOx v. + gn, van, CuCO3 in trace	49410	✓	2.50	229.72
	Ls (Me) + q-FeOx v.	49411		0.07	6.51
X	Basalt (Kw) - alt + wul, van (Overland Mine)	49412	✓	0.14	10.29
	Ls(IPn) + q-py-wul (Keystone Cny.)	49413	✓	0.03	2.06
X	Ls(IPn) + gs + sil + van, py, CuCO3	49414		0.65	38.74
	Basalt (Kw) - alt + py-q-clay v. (Kullman-Mine)	49415		0.03	ND
X	Gossan - FeOx + q + CuCO3	49416		0.45	66.51
	Marble (IPn), q-MnOx v, wul (tr)	49417	✓	0.03	ND
X	Diabase (Ydb) - alt + q-py-sev v. (Keystone Cny.)	49418	✓	0.14	14.06
	Qtz-py v. in Ydb	49419		0.24	9.26
X	Qtz-py v. + sph (tr.) in Ydb	49420	✓	0.14	14.06
X	Diabase (Ydb) - alt w/ q-py v. gn, Cu (tr)	49421		0.21	89.83
X	Qtz-py-gn-CuCO3 v. (79 Mine)	49422		0.14	38.61
X	Qtzite - sil + py + CuCO3	49423	✓	0.10	71.66
X	Qtz-py-CuSx-gn-wulf v.	49424	✓	1.30	281.49
	Ls - SiO2 + py	49425	✓	0.03	2.74
X	Black cal (MnOx)	49426		0.14	12.69

		Sample		Au (ppm)	Ag (ppm)
X	Qtz - py v. + gn, $CuCO_3$ — 79 Mine	49427	✓	0.14	25.10
	Ls (Me) - SiO_2 + py — N. 79 Mine ↓	49428	✓	ND	0.68
X	Skarn - ep + gar + q + cal + py	49429	✓	0.38	3.09
	Gossan - FeOx + q + $CuCO_3$	49430		0.55	0.69
	Ls (Me)	49431		0.07	1.37
X	Gossan - FeOx + q + $CuCO_3$(tr).	49432		3.15	31.54
X	Gossan - FeOx + q + $CuCO_3$(tr)	49433		1.23	21.74
X	Gossan - FeOx + q + $CuCO_3$(tr)	49434		2.54	18.99
X	Gossan - FeOx + q + $CuCO_3$(tr) — Santa Monica ↓	49435	✓	7.82	25.92
X	Gossan - FeOx + q + $CuCO_3$(tr)	49436	✓	9.87	12.89
	Ls (Me)	49437	✓	0.27	3.84
X	Rhydac w/ q-py-clay-ser. v.	49438		49.58	5.69
X	Skarn (q + gar. + amph.) + gos.	49439		3.15	17.07
	Ls. (Me) - rexll, SiO_2 w/ q-py v.	49440	✓	0.06	3.77
	RR - B	49441		4.53 4.25	5.42 4.53
	Blank	49442		ND ND	3.22 3.84
	RR - A	49443		1.71 1.78	4.87 6.03
	Blank	49444		0.07 0.05	1.10 2.67

COLUMN WRITE ®

			Sample	Au (ppm)	Ag (ppm)
	Shale	Santa Monica ↓	49445	ND	ND
	Ls		49446	0.03	0.89
X	And. por. w/q-FeOx-wul-van v.	Kane Spg. Cayn ↓	49447	0.07	19.71
X	Ls. w/q-FeOx-cal-van-wul v.		49448	0.03	13.58
X	Ls w/q-FeOx-van-wul-gn v.		49449	0.05	138.45
	Ls w/ calc-sil		49450	0.01	ND
X	Diab (Ydb) w/q-FeOx-gn,-van-wul		49451	0.02	17.21
X	Qtz-v + FeOx+gn+van		49452	0.03	22.08
	Qtz v. in Ydb ; q+FeOx+MnOx		49453	ND	ND
	Qtzite w/ q+FeOx v.		49454	ND	0.24
X	q+py+ma+az v.	Goldmine Mt. ↓	49455	1.13	6.51
X	q+py v., tr. Cu		49456 ✓	28.97	2.33
X	q+py v. in schist, tr. $CuCO_3$		49457	5.82	1.89
X	q-py v. w/ schist, tr. $CuCO_3$		49458	3.46	2.57
X	q+py+gn+$CuCO_3$		49459	2.30	93.70
X	q+py in schist		49460	0.48	0.55
X	q+py+gn in schist		49461	1.27	21.81
	Cgl (Tbl)	Steamboat Mt. ↓	49462	ND	0.31
	MnOx in ls		49463	ND	0.55
	Ls		49464	ND	ND

		Sample	Au (ppm)	Ag (ppm)
Gossan	Steamboat Mt	49465	ND	1.17
RR-A		49466	1.64	3.50
RR-B		49467	4.46	6.93
Blank		49468	ND	4.32

		1 Sample	2 Au (ppm)	3 Ag (ppm)	4
marble (Yme?) w/ cal-q-ma v.	Monitor Mine ↓	49529	0.02	459.57	
Ydb (alt) w/ q-py-bn-gn-ma v.		49530	ND	676.09	
Skarn (Yme)		49531	ND	0.07	
qtzite w/ FeOx		49532	ND	0.14	
ls/dol (Yme)		49533	ND	0.58	
sh + Ydb (alt) w/ q-py v.		49534	ND	0.86	
Standard RR-B		49535	4.11	3.43	
Blank		49536	ND	0.27	
Standard RR-A		49537	1.57	2.81	
Standard RR-B		49538	4.32	1.58	
Blank		49539	0.01	ND	
Ls (Dpm) w/ FeOx	San Bernardo ↓	49540	0.03	0.82	
Gossan		49541	3.84	6.45	
Skarn in Ea		49542	2.13	7.13	
Rhydac (alt) w/ q-FeOx v.		49543	0.04	ND	
Skarn (Me) w/ cal-q-Cu v.	Santa Monica ↓	49544	0.02	0.27	
Gossan in Me		49545	11.04	62.06	
Gossan in Me		49546	1.68	71.45	
Ls (Me) w/ cal-FeOx v.		49547	0.03	ND	
Gossan		49548	0.85	4.18	

a

	1 Sample	2 Au (ppm)	3 Ag (ppm)	4
Ls (Me) w/ cal + FeOx v. (Santa Monica ↓)	49549	0.03	ND	
Ls (Pn)	49550	0.03	ND	
Rhydac por. alt → epid	49551	0.02	ND	
Skarn in Pn	49552	0.02	ND	
Gary's sample	49553	0.27	4.70	2.06% Cu
Standard - NBR	49554	1.34	60.21	
Standard - NBg	49555	0.69	19.65	
Blank	49556	ND	ND	
Gossan in Me	49557	0.02	3.87	
Marblized Me w/ cal - FeOx v.	49558	0.01	ND	
Ls - rexll, SiO_2, skarn	49559	0.01	0.10	
Gossan	49560	0.27	13.44	
Chert/jasper in ls	49561	1.03	ND	
Gossan	49562	1.37	13.54	
Ls (brx) w/ cal v.	49563	ND	0.82	
Chert/jasper	49564	ND	ND	
Skarn	49565	ND	0.07	
Ls w/ cal - FeOx v.	49566	0.01	0.48	
Skarn	49567	0.01	2.22	
Gossan	49568	0.49	19.82	

		Sample	Au (ppm)	Ag (ppm)
Ls → marble		49569	0.03	1.17
Gossan		49570	0.24	2.57
Gossan	San Bern.	49571	0.31	13.95
Ls (IPn) w/ cal v.		49572	ND	ND
Skarn in IPn		49573	ND	ND
Skarn		49574	0.03	0.41
Gossan	Schneider Cany. ↓	49575	0.17	4.35
Skarn		49576	0.14	3.67
Skarn in Єa w/ q-py v.		49577	0.01	1.99
Chert brx w/ FeOx	N. of 79 Mine ↓	49578	ND	1.82
Ls → marble		49579	ND	0.38
Ls (Dm) w/ cal-FeOx v.		49580	ND	0.10
Ls w/ cal-FeOx		49581	ND	0.69
Skarn in Dm w/ FeOx-q v.		49582	0.02	7.51
Ls (Dm) w/ epid, FeOx, py		49583	ND	0.14
Skarn in Dm		49584	0.03	2.91
NBR standard		49585	1.44	59.97
NBg standard		49586	1.03	21.84
Blank		49587	ND	ND
Skarn in Єa	San Bern.	49588	0.24	4.73

		1	2	3
		Sample	Au (ppm)	Ag (ppm)
Skarn in ta	San Bern. ↓	49589	0.07	4.15
Skarn in ta		49590	0.01	ND
Skarn in ta w/ q - FeOx v.		49591	1.75	11.90
Skarn + FeOx in ta		49592	0.03	1.75
Skarn + FeOx in ta		49593	0.01	ND
Skarn + FeOx + q - FeOx - py v.		49594	0.03	4.15
Skarn + FeOx in ta		49595	0.01	0.89
Skarn + FeOx in ta		49596	ND	0.03
Skarn + FeOx in ta		49597	0.07	3.12
Skarn w/ q + py + FeOx v.		49598	0.10	3.60
Skarn + FeOx in ta		49599	0.03	ND
Skarn + FeOx in ta		49600	0.01	ND
Skarn + FeOx in ta		49601	0.01	0.86
Skarn + FeOx in ta		49602	ND	ND
NBR - standard		49603	1.51	62.78
NBg - standard		49604	0.82	20.13
Blank		49605	ND	1.17
Jasper cgl	Hot-Spg. ↓	49606	0.01	ND
Jasper cgl		49607	ND	ND
Jasper cgl		49608	ND	ND

	Sample	Au (ppm)	Ag (ppm)
Hot-Spg ↓			
Jasper cgl	49609	ND	ND
Jasper cgl	49610	ND	ND
Jasper cgl	49611	ND	ND
NBg – standard	49612	0.086	20.30
		0.086	20.19
NBR – standard	49613	0.154	60.41
		0.154	60.48
Blank	49614	ND	ND
		ND	ND
Tam O'shanter ↓			
Ls (D_{pm}) w/ cal-FeO_x v.	49615	0.02	ND
Ls (D_{pm})	49616	ND	1.23
Gossan float	49617	0.72	15.98
rhydac. por. w/ q-FeO_x v.	49618	ND	0.72
Ls brx	49619	0.01	3.22
Ls (Me?), float	49620	0.01	0.45
Ls (Me) w/ cal v.	49621	ND	0.10
Ls (Me) w/ cal-FeO_x v.	49622	ND	ND
Ls – sil w/ FeO_x-MnO_x	49623	ND	1.58
Keystone Cyn. ↓			
Chert in fault zone	49624	ND	ND
Fractured Ls (D_{pm}?) w/ FeO_x	49625	ND	ND
qtzite-brx w/ hem	49626	ND	ND
qtzite-brx w/ hem	49627	0.02	ND
skarn – epid, hem, q, Cu	49628	ND	92.81

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
W.L. WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Continental Oil Company

JOB # 009778 Continued
RECEIVED
REPORTED

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER PPM	ZINC %		MOLYBDENUM PPM
[illegible] 11657				35			4
[illegible] 11658	Nil	.74	1.66		1.03		16
[illegible] 11659				44			5
[illegible] 11660				87			8
[illegible] 11661				60			6
[illegible] 11662				84			20

Charge to Tucson office.

REGISTERED ASSAYER
CERTIFICATE 5875
WILBUR D. WRIGHT
Date Signed
Arizona U. S. A.

CHARGE $ 152.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Continental Oil Company
Mr. Ray Barkley
1024 S. Plumer
Tucson, Arizona 85716

JOB # 009778
RECEIVED 7-21-71
REPORTED 7-24-71

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER PPM	ZINC %		MOLYBDENUM PPM
11627				132			4
11628				67			5
11629				68			6
11630				104			5
11631				78			3
11632				186			4
11633				90			4
11634				137			6
11635				125			7
11636				178			4
11637				72			5
11638				45			7
11639				74			5
11640				32			4
11641				56			5
11642				39			5
11643				27			4
11644				43			5
11645				23			4
11646				47			5
11647				71			5
11648				27			4
11649				36			3
11650				38			3
11651				48			4
11652				78			7
11653				28			7
11654				35			3
11655				50			4
11656				49			6

CHARGE ______

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

REGISTERED ASSAYERS
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Continental Oil Company
Mr. Ray Barkley
1024 S. Plumer
Tucson, Asizona 85719

JOB # 009776
RECEIVED 7-21-71
REPORTED 7-23-71

	SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER PPM	ZINC %		MOLYBDENUM PPM
OCO. A	7383		.016		91			
B	7384		.018		81			
C	7385		.016		58			
D	7386	< 1 ppm	.75		56			
E	7387				45			5
F	7388				67			4
G	7389				30			3
lesco VI-A	7390				25			3
VIB	7391				74			5
VIC	7392				47			3
V2	7393				53			2
V3	7394				72			6
V4	7395				55			4
V5	7396				190			8
V6	7397				115			7
V7	7398				65			6
V8	7399				71			5

REGISTERED ASSAYER
CERTIFICATE 5875
WILBUR D. WRIGHT
Date Signed
Arizona U. S. A.

CHARGE $ 71.00

INVOICE

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

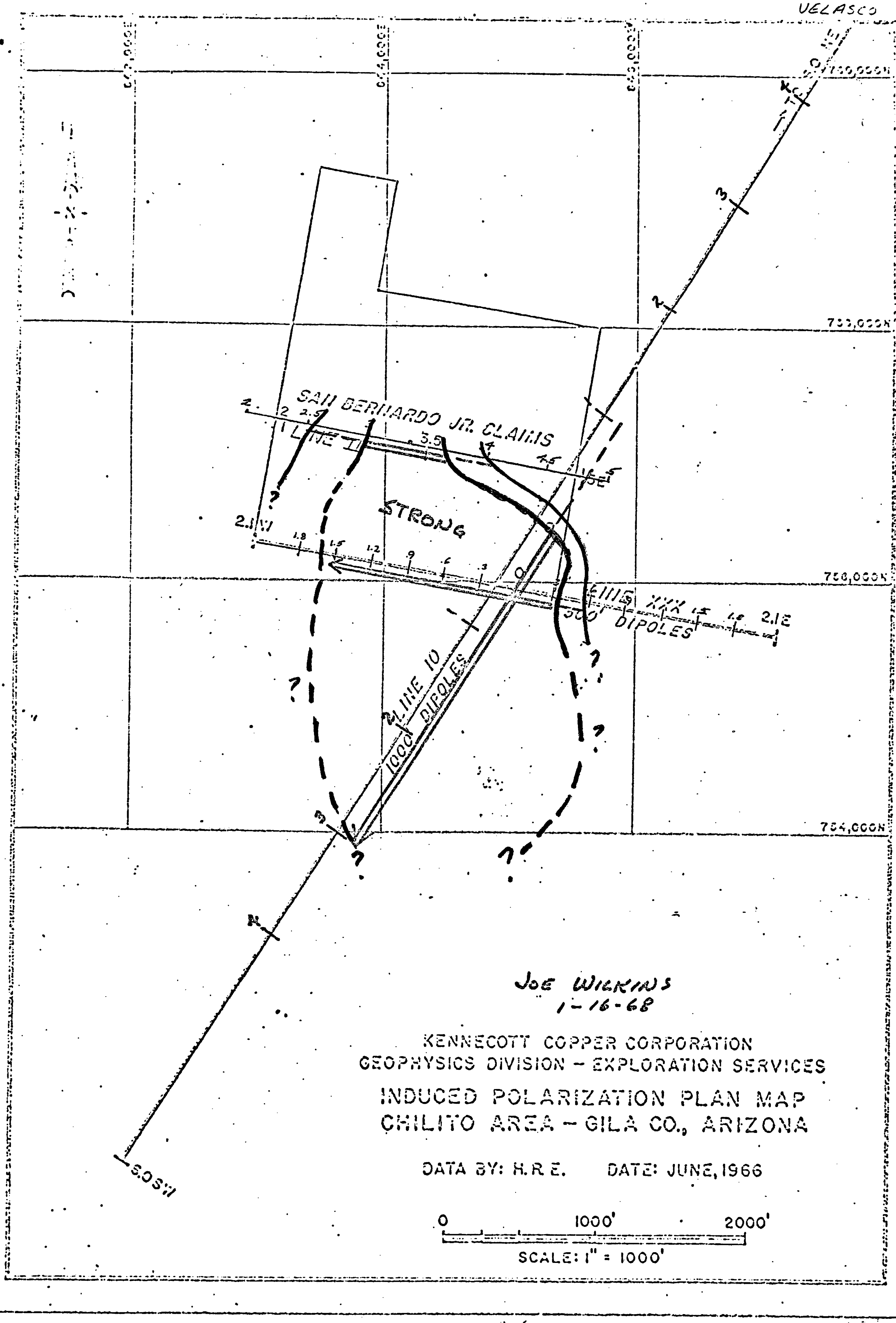
Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

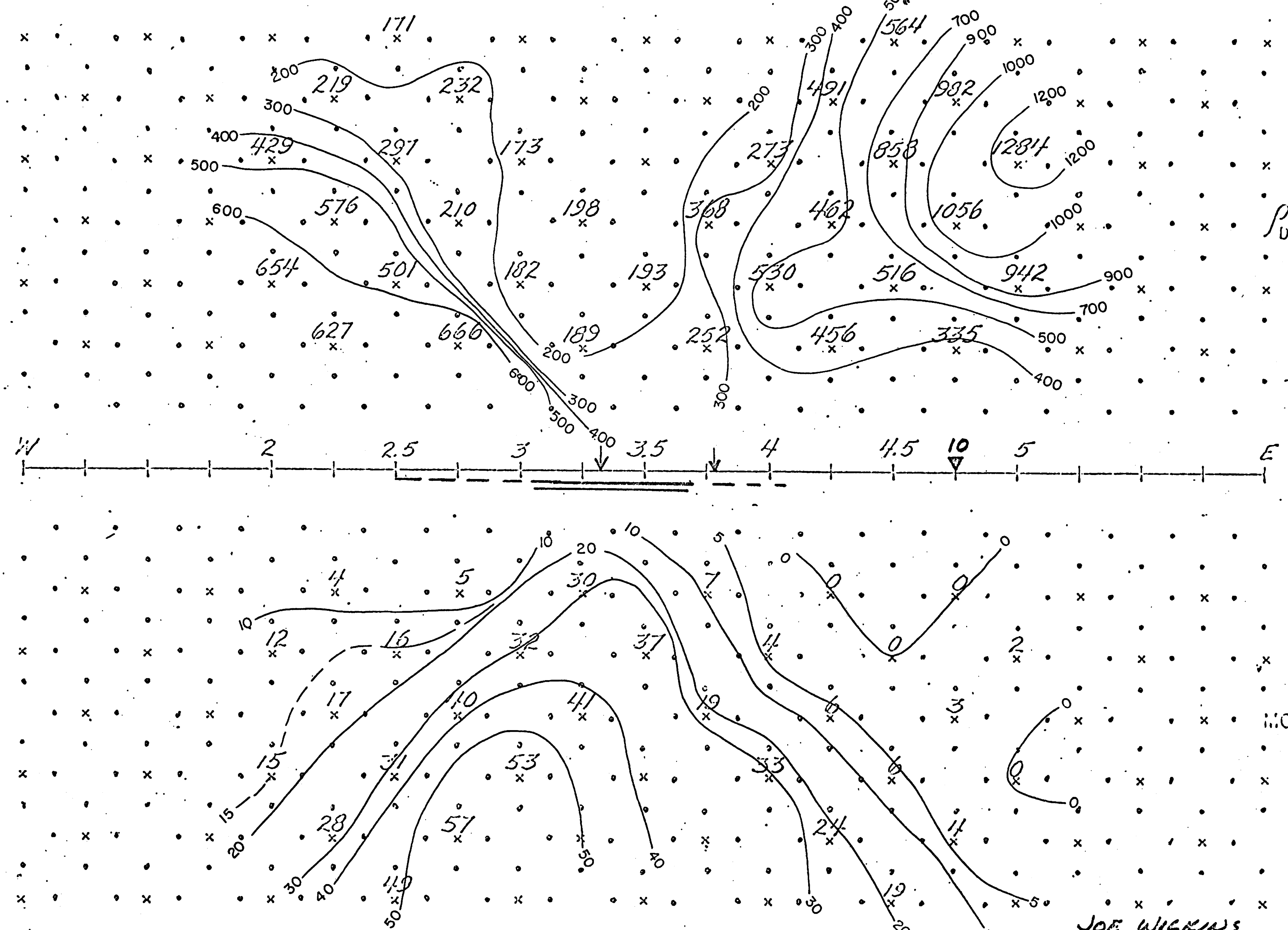
WESTMONT MINING INC.
ATTN: H. DUMMETT
#12-2341 SOUTH FRIEBUS
TUCSON, AZ. 85713

VELASCO



750,000N
756,000N
758,000N
754,000N
SAN BERNARDO JR. CLAIMS
LINE II
STRONG
2.1 W
LINE XXX
2.1E
500' DIPOLES
LINE 10
1000' DIPOLES
S.0 SW
Joe Wilkins
1-16-68
KENNECOTT COPPER CORPORATION
GEOPHYSICS DIVISION - EXPLORATION SERVICES
INDUCED POLARIZATION PLAN MAP
CHILITO AREA - GILA CO., ARIZONA
DATA BY: H.R.E.
DATE: JUNE, 1966
0
1000'
2000'
SCALE: 1" = 1000'

INDUCED POLARIZATION WORK SHEET

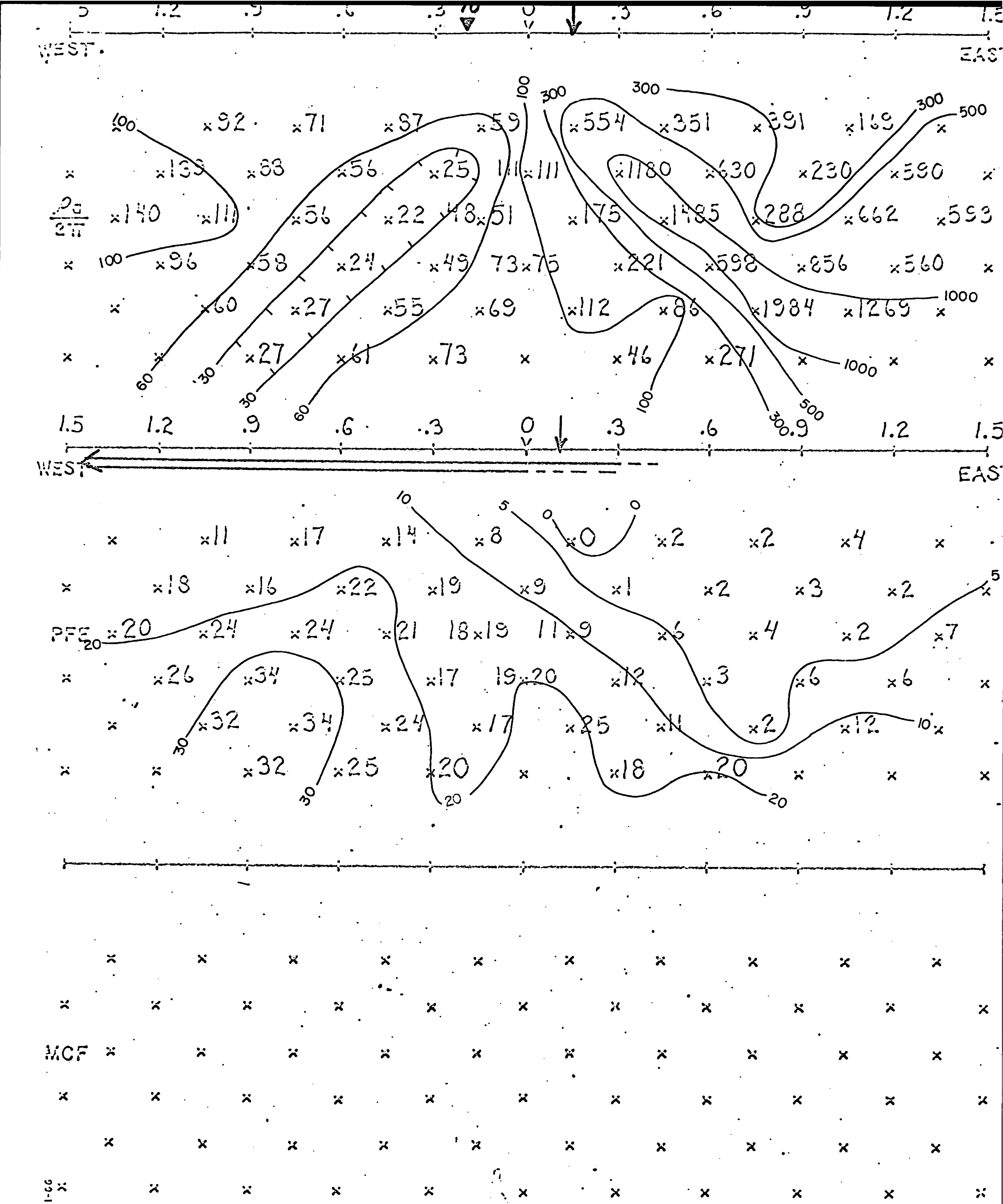


AREA CHILITO

LINE NO. II

SCALE 1" = 500 feet

JOE WILKINS
1-16-68



FORM GD-1-66

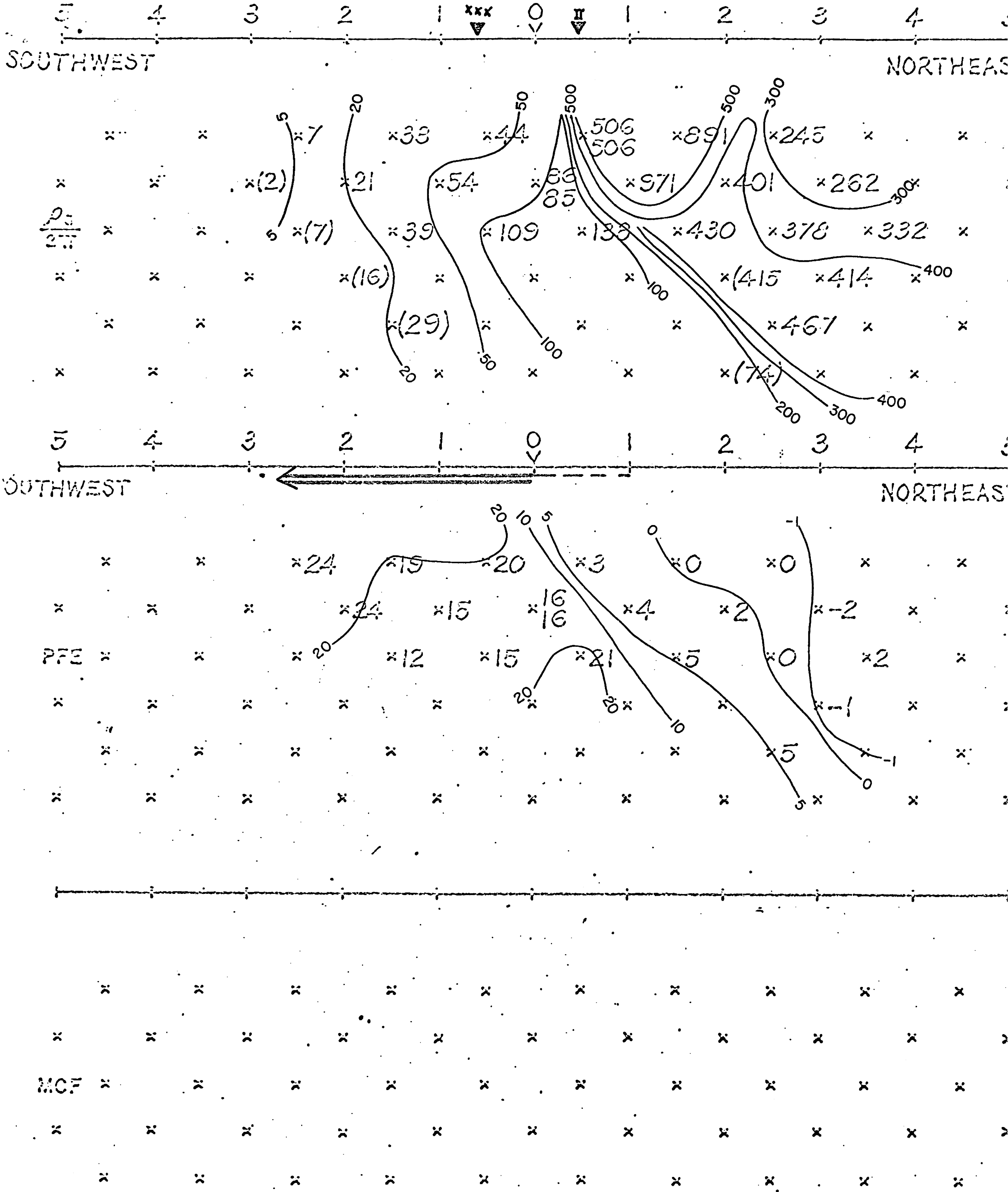
AREA CHILITO STATE ARIZONA A LINE NO. XXX DATA BY H.R.F. DATE 6-22-66

TRANS. H REC. 9, DIPOLE – DIPOLE ARRAY, f = 0.1 & 1.2 cps, a = 300 FEET

GPC 3

J. Wilkins 1-16-68

INDUCED POLARIZATION PROFILE WORK SHEET



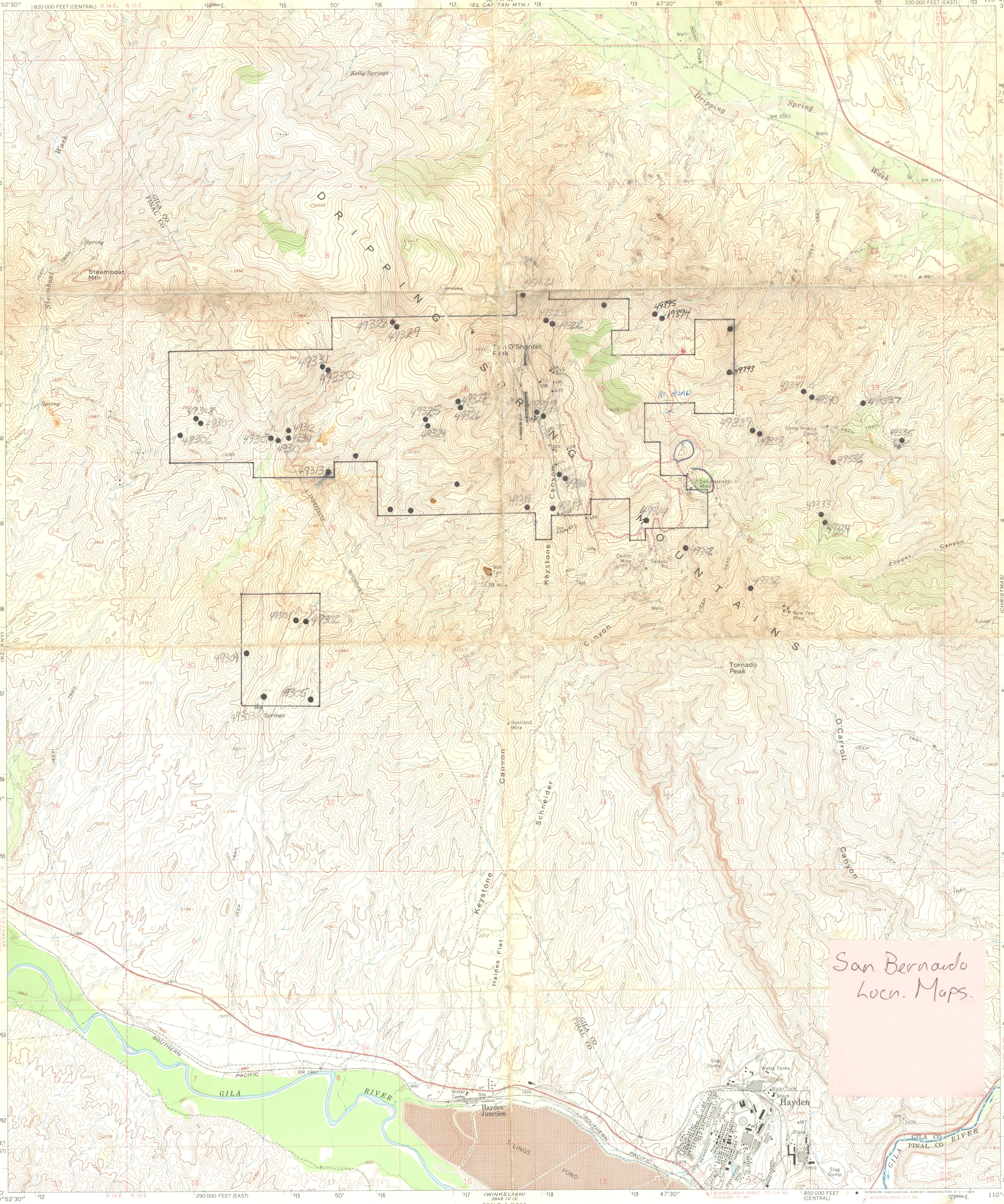
J. WILKINS
1-16-68

AREA CHILITO STATE ARIZONA LINE NO. 10 DATA BY T.L.L. DATE 3-65

TRANS. ______ REC. ______, DIPOLE – DIPOLE ARRAY, f= 0.1 & 1.2 cps, c= 1000

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HAYDEN QUADRANGLE
ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 RAY 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1962. Field checked 1964

Polyconic projection. 1927 North American datum
10,000-foot grids based on Arizona coordinate system, east and central zones
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

Where omitted, land lines have not been established

UTM GRID AND 1964 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Field Copy

ARIZONA
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Heavy-duty
Light-duty
Unimproved dirt
State Route

HAYDEN, ARIZ.
SE/4 RAY 15' QUADRANGLE
N3300—W11045/7.5

1964

AMS 3850 III SE—SERIES V898

PROJECT REPORT FOR THE

SAN BERNARDO PROJECT, GILA COUNTY, ARIZONA

Ed Hasenohr

August 10, 1988

Westmont Mining, Inc.
Tucson, Arizona

VELASCO CLAIMS: SUMMARY OF GEOLOGICAL AND GEOCHEMICAL REPORT, July and August, 1988

The Velasco claims are located in the Dripping Springs Mountains in sections 9, 10, and 14 through 23 in T4S, R15E. Evaluation of the claims for mining potential included the following:

1) Collection of 51 stream-sediment samples from which a heavy mineral concentrate was obtained. This concentrate was split and analyzed for Cu and Ag by atomic absorption spectroscopy, and Au plus 33 other elements by neutron activation analysis. Stream sediment sampling and heavy mineral separation was carried out by C. F. Minerals of Kelowna, B.C., and analytical services were provided by Bondar-Clegg of Vancouver, B.C.

2) Geologic examination of the Velasco claims and adjacent areas, including the Santa Monica Camp, by geologists of Westmont Mining, Inc., of Tucson, Arizona.

3) Collection of 151 rock-chip samples from the Velasco claims and adjacent areas, including the Santa Monica Camp. These samples were collected by geologists of Westmont Mining, Inc., and analyzed for Au and Ag by Mountain States Research and Development Corp., of Tucson, Arizona.

Three principal types of mineralization were investigated in the Velasco claims area: 1) quartz-pyrite veins containing galena, chalcopyrite and copper carbonates in skarn, 2) quartz-pyrite veins in a rhyodacite porphyry sill, and 3) quartz-pyrite veins contining galena, wulfenite and vanadinite that occur along the Keystone Canyon fault. Near-surface portions of type 1 veins have been heavily oxidized to a gossan that in places is gold-bearing. Type 2 veins are associated with quartz-sericite alteration of the sill, and contain minor amounts of copper carbonates and trace amounts of gold.

INTRODUCTION

The Velasco claims are located in the Dripping Springs Mountains in sections 9, 10, and 14 through 23 in T4S, R15E. Evaluation of the claims for mining potential included the following:

1) Collection of 51 stream-sediment samples from which a heavy mineral concentrate was obtained. This concentrate was split and analyzed for Cu and Ag by atomic absorption spectroscopy, and Au plus 33 other elements by neutron activation analysis. Stream sediment sampling and heavy mineral separation was carried out by C. F. Minerals of Kelowna, B.C., and analytical services were provided by Bondar-Clegg of Vancouver, B.C.

2) Geologic examination of the Velasco claims and adjacent areas, including the Santa Monica Camp, by geologists of Westmont Mining, Inc., of Tucson, Arizona.

3) Collection of 151 rock-chip samples from the Velasco claims and adjacent areas, including the Santa Monica Camp. These samples were collected by geologists of Westmont Mining, Inc., and analyzed for Au and Ag by Mountain States Research and Development Corp., of Tucson, Arizona.

The location of the stream-sediment samples is shown on Figure 3, and the location of the rock-chip samples on Figures 4 and 5. Results of the analyses of the stream sediment and rock-chip samples are included as separate tables with this report.

The following is a brief description of the geology, structure, alteration and mineralization of the Velasco claims area.

GEOLOGY

The geology of that portion of the Hayden quadrangle which encompasses the Velasco claims is shown on Figures 1 and 2. These figures are taken from Banks and Krieger (1977), and detailed descriptions of the rock units can be found in a report accompanying their map.

The oldest rocks exposed in the area of the Velasco claims are of Precambrian age and belong to the Apache Group, which consists of the Dripping Springs Quartzite and the overlying Mescal Limestone. Above the Apache Group is the Troy Quartzite. This unit is also of Precambrian age and forms prominent cliffs in both Schneider and Keystone Canyons. The Troy Quartzite is composed of cross-bedded, yellowish to reddish quartzite and pebble comglomerate. All of the Precambrian rocks are intruded by Precambrian Y sills and dikes of olive-gray-weathering diabase.

Unconformably overlying the Precambrian section is the Late Cambrian Abrigo Formation, which consists mostly of thin-bedded, yellow-brown quartz arenite and siltstone. The Abrigo Formation is overlain by a thick sequence of sedimentary rocks, dominated by carbonate and shale beds, and consisting, in ascending order, of the Martin Formation, Percha Shale, Escabrosa Limestone, and Naco Limestone.

The Martin Formation is composed of light to dark gray, fine-grained limestone and dolomite with nodules and layers of chert. However, the Martin tends to be sandy near its base, particularly when it disconformably overlies the Abrigo Formation, becoming a sandy dolomite to dolomitic quartzite. The Percha Shale is mapped with the Martin Formation, and consists of olive shale and clayey dolomite. Both the Martin Formation and Percha Shale are of Late Devonian age.

The overlying Mississippian Escabrosa Limestone is a cliff-forming, medium gray, thick-bedded, fossiliferous limestone, locally converted to dolomite and containing chert nodules. Interbedded resistant limestone and less resistant shale characterize the Pennsylvanian-age Naco Limestone.

Small patches of Williamson Canyon Volcanics are found in the vicinity of the Velasco claims. These late Cretaceous volcanics consist mostly of dark-colored basaltic flows, flow breccias and volcaniclastics. Deposition of the volcanic rocks was followed by, and probably in part accompanied by, intrusion of dikes and sills of andesite to quartz latite porphyry. The dikes occur as parallel to subparallel swarms, with the most common orientation of the dikes in the vicinity of the Velasco claims being northeast-southwest, and 0 to 30 degrees north or south of east-west.

Rocks of the Dripping Spring Mountains have been arched into a broad, southeast-plunging anticline on which is superimposed an intricate fault pattern. In the area of the Velasco claims the range is cut by two north-south trending fault systems (Keystone and O'Carroll faults), and sets of northeast-southwest, east-west, and northwest-southeast faults. The last set of faults is parallel to range-bounding faults, movement along which resulted in the formation of sedimentary basins to the northeast and southwest of the Dripping Spring Mountains. These basins contain unconsolidated to weakly cemented sands and gravels of late Tertiary to Quaternary age.

ALTERATION

Within the Velasco claims alteration assemblages are present in both the igneous and sedimentary rocks. Nearly all of the igneous rocks exhibit at least a weak propylitic alteration, which typically consists of partial replacement of feldspars by clays, and of biotite and hornblende by various mixtures of chlorite, epidote, and quartz. The grade, intensity and extent of alteration varies with dike type (e.g. Tql1 and Tql2 generally are more highly altered than Tr2a), and with the presence and development of quartz-sulfide veins. Igneous rocks containing prominent quartz-sulfide veins usually display a phyllic alteration assemblage in which feldspars are partly to completely altered to sericite; biotite and hornblende are altered to chlorite, sericite and quartz; and the groundmass is converted to a mixture of quartz and sericite.

Alteration in the sedimentary rocks is characterized by the development of skarn. The skarn is of two types: 1) massive, medium- to coarse-grained epidote-garnet-magnetite-calcite-quartz in carbonate beds adjacent to igneous dikes and sills, and 2) fine- to medium-grained diopside-calcite-quartz-tremolite-pyrite-pyrrhotite-magnetite developed as a replacement of carbonate-bearing beds that are associated with cross-cutting quartz-sulfide veins and igneous dikes.

The first skarn type is found as small, podlike masses that are sporadically developed in limestone and dolomite of the Martin, Escabrosa and Naco Formations. Skarns of the second type generally are restricted to areas of abundant quartz-sulfide veining. In the Velasco claims area this includes the zone of contact between the Abrigo and Martin Formations at the head of Schneider Canyon, and in the Escabrosa Formation in the Santa Monica Camp.

MINERALIZATION

Three principal types of mineralization were investigated in the Velasco claims area: 1) quartz-pyrite veins in skarn, 2) quartz-pyrite veins in a rhyodacite porphyry sill, and 3) quartz-sulfide-wulfenite-vanadinite veins along the Keystone fault. The quartz-pyrite veins in skarn consist of vertical quartz-pyrite veins with galena, chalcopyrite and copper carbonates that cut skarnified carbonate-bearing rocks. Where the veins are well developed, mineralization extends outward from the veins into the adjacent wallrocks, filling pore spaces and partially replacing skarn. The near-surface portions of the veins have been heavily oxidized resulting, in many cases, in the formation of a distinctive gossan. The gossan is composed of massive and spongy-textured hematite, limonite, jasper, quartz and manganese oxides, and trace to minor amounts of copper carbonates. In places the gossan is gold-bearing. Quartz-pyrite veins in skarn occur along the Abrigo-Martin Formation contact at the head of Schneider Canyon, and in Escabrosa Limestone in the Santa Monica Camp and in the north-central portion of section 21.

A sill of rhyodacite porphyry in the Santa Monica Camp is cut in places by quartz-pyrite veins. These veins are associated with sericite-quartz alteration of the sill. Some of the veins are stained with copper carbonates and carry trace amounts of gold.

Quartz-pyrite veins containing galena, wulfenite and vanadinite occur along the Keystone Canyon fault, particularly where the fault is associated with altered porphyry dikes. Wallrock for the veins includes Escabrosa and Naco limestones, and Precambrian diabase, as well as altered porphyry.

San Bernardo Project

Results from rock-chip gold and silver assay

Sample #	Au (ppm)	Ag (ppm)
49348	0.07	1.27
49349	0.10	0.55
49350	0.27	ND
49351	0.07	0.58
49352	0.82	2.37
49353	0.03	0.41
49354	0.01	0.31
49355	0.07	0.93
49356	0.03	ND
49357	0.03	ND
49358	0.07	3.19
49361	ND	0.89
49362	0.03	ND
49363	0.05	5.52
49364	1.85	25.06
49365	0.58	36.75
49366	0.55	7.27
49367	0.10	4.39
49368	ND	4.87
49369	0.41	9.53
49370	0.24	22.42
49371	0.23	18.34
49372	0.14	8.54
49373	1.71	34.64
49374	0.10	2.98
49375	0.14	3.50
49376	12.82	48.31
49377	3.22	107.76
49378	0.31	2.57
49379	0.51	10.90
49380	ND	4.32
49381	0.55	27.43
49382	0.96	3.02
49383	0.07	8.78

Sample #	Au (ppm)	Ag (ppm)
49384	0.69	32.43
49385	0.89	52.46
49386	0.82	16.80
49388	0.34	14.33
49389	2.47	25.71
49390	0.21	0.41
49391	0.82	1.37
49392	0.69	58.28
49393	0.07	4.46
49394	0.06	ND
49395	0.07	ND
49396	0.27	0.41
49397	0.14	10.08
49398	0.20	5.21
49404	0.07	11.66
49405	0.07	0.69
49406	0.89	92.22
49407	0.14	9.39
49408	0.03	8.57
49409	0.24	25.37
49410	2.50	229.72
49411	0.07	6.51
49419	0.24	9.26
49420	0.14	14.06
49421	0.21	89.83
49430	0.55	0.69
49431	0.07	1.37
49432	3.15	31.54
49433	1.23	21.74
49434	2.54	18.99
49435	7.82	25.92
49436	9.87	12.89
49437	0.27	3.84
49438	49.58	5.69
49439	3.15	17.07
49440	0.06	3.77

Sample #	Au (ppm)	Ag (ppm)
49445	ND	ND
49446	0.03	0.89
49528	ND	4.32
49540	0.03	0.82
49541	3.84	6.45
49542	2.13	7.13
49544	0.02	0.27
49545	11.04	62.06
49546	1.68	71.45
49547	0.03	ND
49548	0.85	4.18
49549	0.03	ND
49550	0.03	ND
49551	0.02	ND
49552	0.02	ND
49557	0.02	3.87
49558	0.01	ND
49559	0.01	0.10
49560	0.27	13.44
49561	1.03	ND
49562	1.37	13.54
49563	ND	0.82
49564	ND	ND
49565	ND	0.07
49566	0.01	0.48
49567	0.01	2.22
49568	0.49	19.82
49569	0.03	1.17
49570	0.24	2.57
49571	0.31	13.95
49572	ND	ND
49573	ND	ND
49574	0.03	0.41
49578	ND	1.82
49579	ND	0.38
49580	ND	0.10

Sample #	Au (ppm)	Ag (ppm)
49581	ND	0.69
49582	0.02	7.51
49583	ND	0.14
49584	0.03	2.91
49588	0.24	4.73
49589	0.07	4.15
49590	0.01	ND
49591	1.75	11.90
49592	0.03	1.75
49593	0.01	ND
49594	0.03	4.15
49595	0.01	0.89
49596	ND	0.03
49597	0.07	3.12
49598	0.10	3.60
49599	0.03	ND
49600	0.01	ND
49601	0.01	0.86
49602	ND	ND
49615	0.02	ND
49616	ND	1.23
49617	0.72	15.98
49618	ND	0.72
49619	0.01	3.22
49620	0.01	0.45
49621	ND	0.10
49622	ND	ND
49623	ND	1.58
49624	ND	ND
49625	ND	ND
49626	ND	ND
49627	0.03	ND
49628	ND	92.81
49629	ND	6.99
49630	ND	8.98
49631	ND	0.65

Sample #	Au (ppm)	Ag (ppm)
49632	ND	ND
49633	ND	ND
49634	0.01	ND
49635	ND	ND
49636	ND	ND
49637	0.07	ND
49638	0.01	ND
49639	0.01	ND
49640	0.02	0.10
49652	ND	ND

San Bernardo Project

Results from stream sediment gold-silver-copper assay

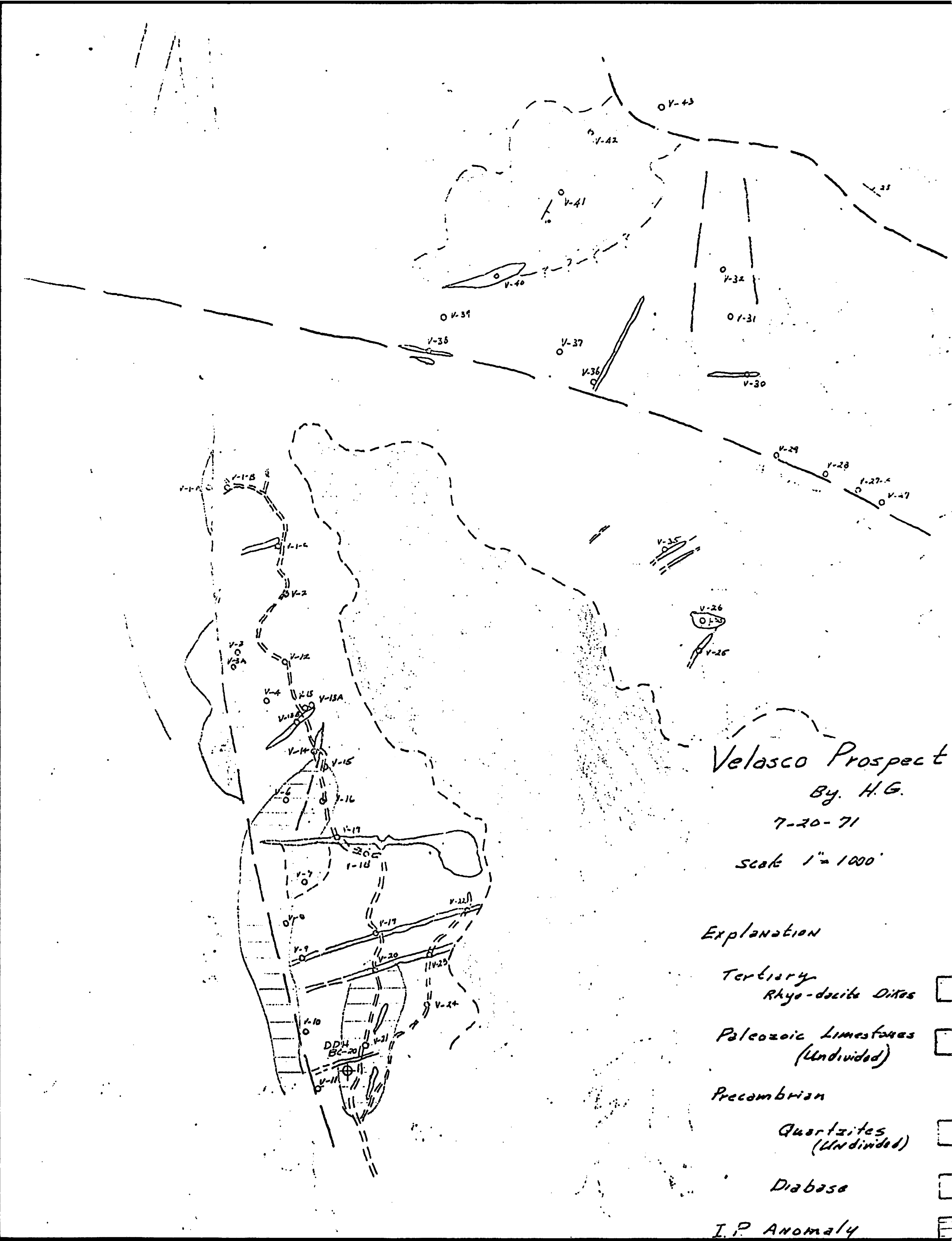
Gold analysis: Neutron activation

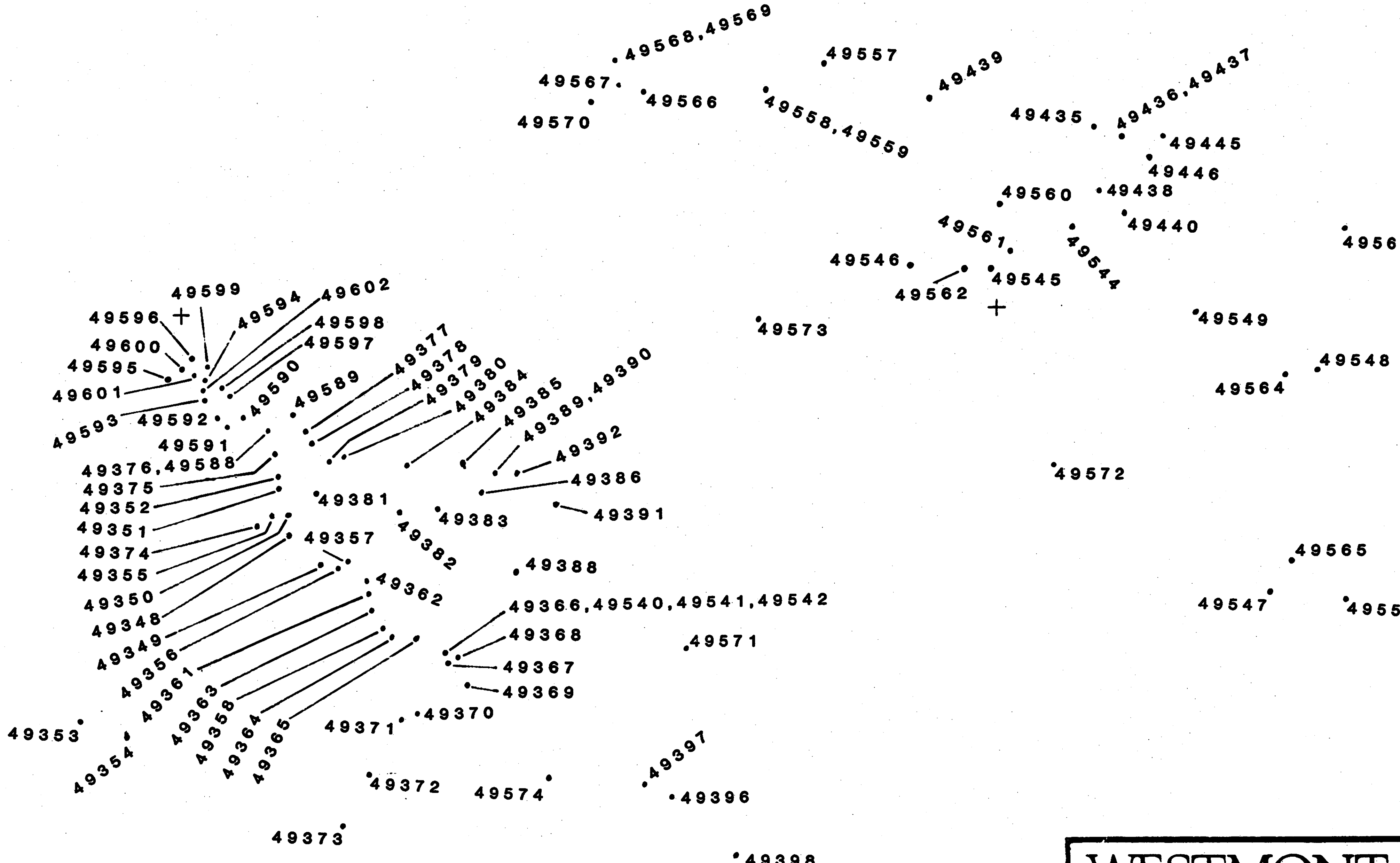
Silver and copper analysis: HN03-HCl hot extraction and atomic absorption

*Two gold values for a single sample represent instances when the sample was split in the lab into two unequal fractions in order to fit in the lab vials.

Sample #	Au (ppb)	Ag (ppm)	Cu (ppm)
49301	<5	<0.1	107
	6		
49302	15	<0.1	139
	250		
49303	6	<0.1	108
	16		
49304	3190	18	123
49305	6	0.1	184
49306	71	<0.1	256
49307	<20	0.2	202
49308	350	<0.1	158
49309	<24	0.1	135
49310	<20	<0.1	161
49311	<19	0.1	317
49312	<13	<0.1	262
49313	12	<0.1	338
49314	<24	0.3	538
	480		
49315	45	0.3	63
	78		
49316	<19	6.9	129
49317	3210	0.3	115
	<24		
49318	862	<0.1	1500
49319	12	1.5	640
49320	1170	0.1	30
	480		
49321	10	<0.1	89

Sample #	Au (ppb)	Ag (ppm)	Cu (ppm)
49322	78	<0.1	39
	6150		
49323	23	<0.1	160
49324	3210	0.1	222
49325	862	<0.1	64
49326	430	2.1	665
49327	57	<0.1	295
49328	190	2.4	206
49329	<18	0.3	155
49330	44	21	415
49331	12	0.5	350
49332	<5	<0.1	51
49333	5	2.9	110
49334	<5	0.3	87
49335	19	26	1365
49336	23	0.1	106
	10		
49337	839	21	1840
49338	10300	5.8	1700
49339	230	1.5	139
49340	2750	3.2	218
49341	430	5.6	92
49342	19900	>50	940


V-43
V-42
V-41
V-40
V-39
V-38
V-37
V-36
V-32
V-31
V-30
V-29
V-28
V-47
V-35
V-26
V-1-B
V-1-C
V-2
V-3
V-3A
V-12
V-4
V-13
V-13A
V-14
V-15
V-6
V-16
V-17
V-18
V-7
V-8
V-22
V-19
V-9
V-20
V-25
V-24
V-10
DDH
BC-20
V-21
V-11
Velasco Prospect
By. H.G.
7-20-71
scale 1" = 1000'
Explanation
Tertiary
Rhyo-dacite Dikes
Paleozoic Limestones
(Undivided)
Precambrian
Quartzites
(Undivided)
Diabase
I.P. Anomaly



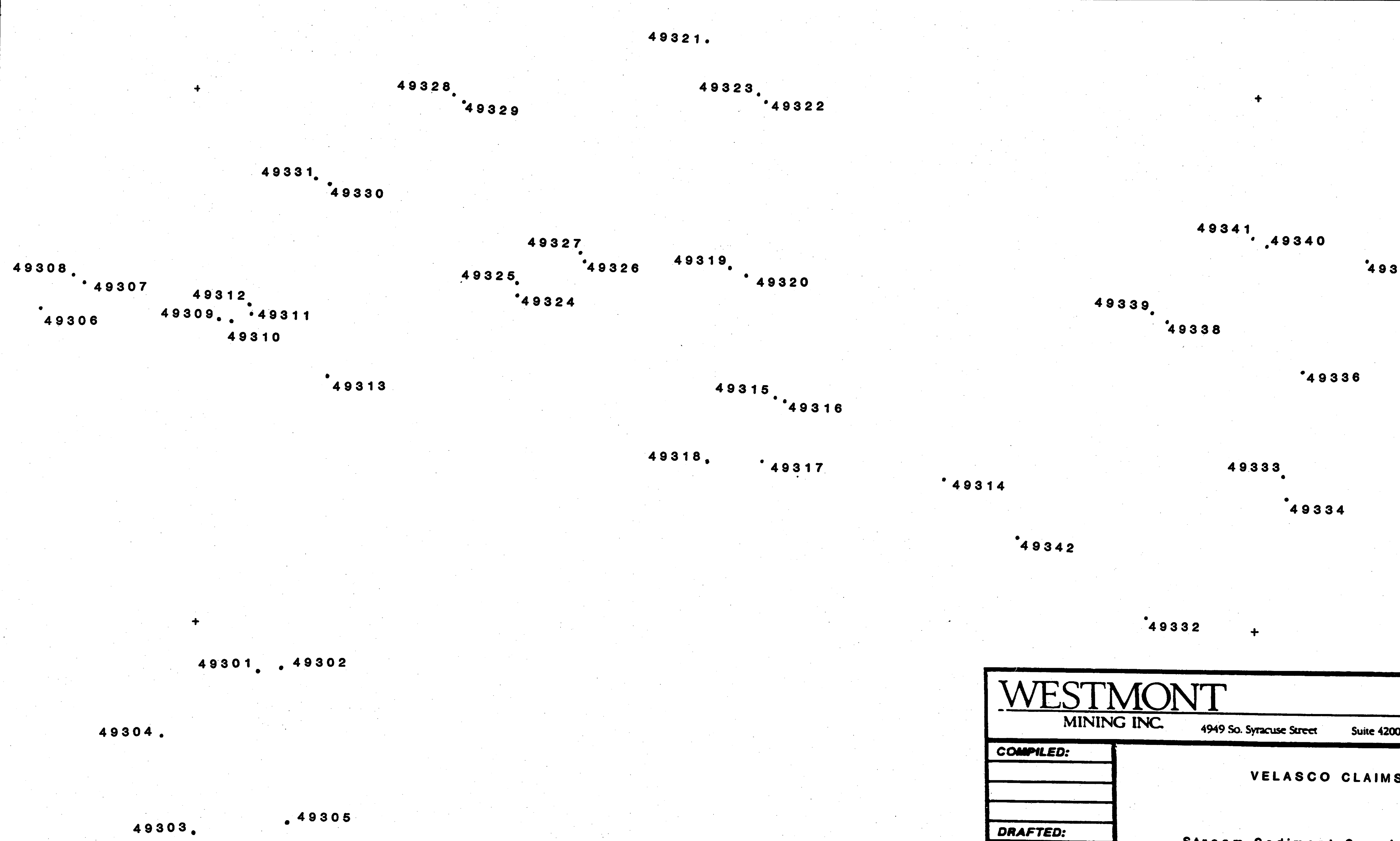
WESTMONT
MINING INC. 4949 So. Sy

COMPILED:

DRAFTED:

V

Roc



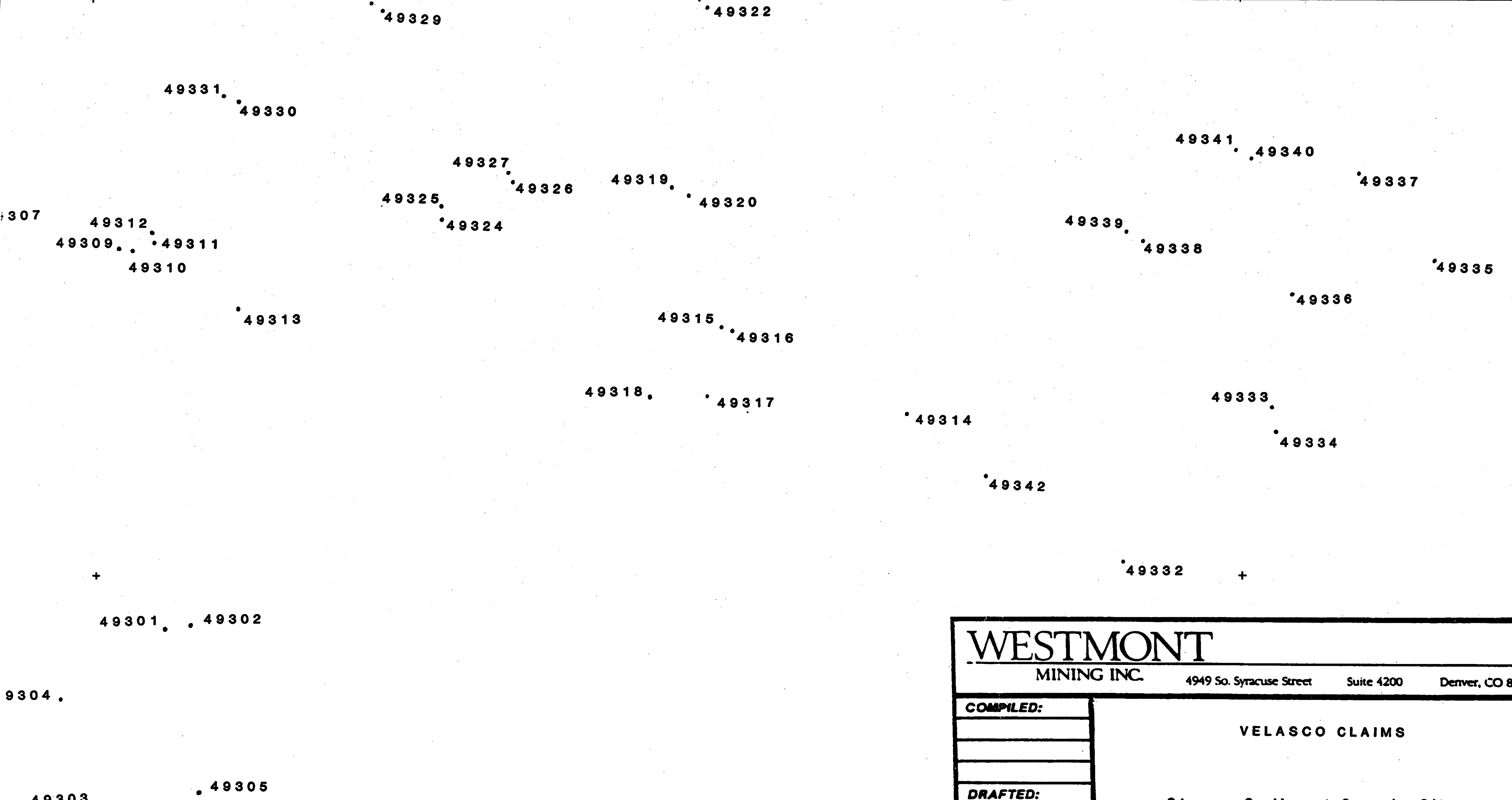
WESTMONT
MINING INC.
4949 So. Syracuse Street Suite 4200

COMPILED:

DRAFTED:

VELASCO CLAIMS

Stream Sediment Sample



WESTMONT
MINING INC. 4949 So. Syracuse Street Suite 4200 Denver, CO 802

COMPILED:

DRAFTED:

REVISED:

VELASCO CLAIMS

Stream Sediment Sample Sites

DATE: SCALE: 1:24000 Fig. 3

WESTMONT
MINING INC. 4949 So. Syracuse Street Suite 4200 Denver, CO 80237

COMPILED:

DRAFTED:

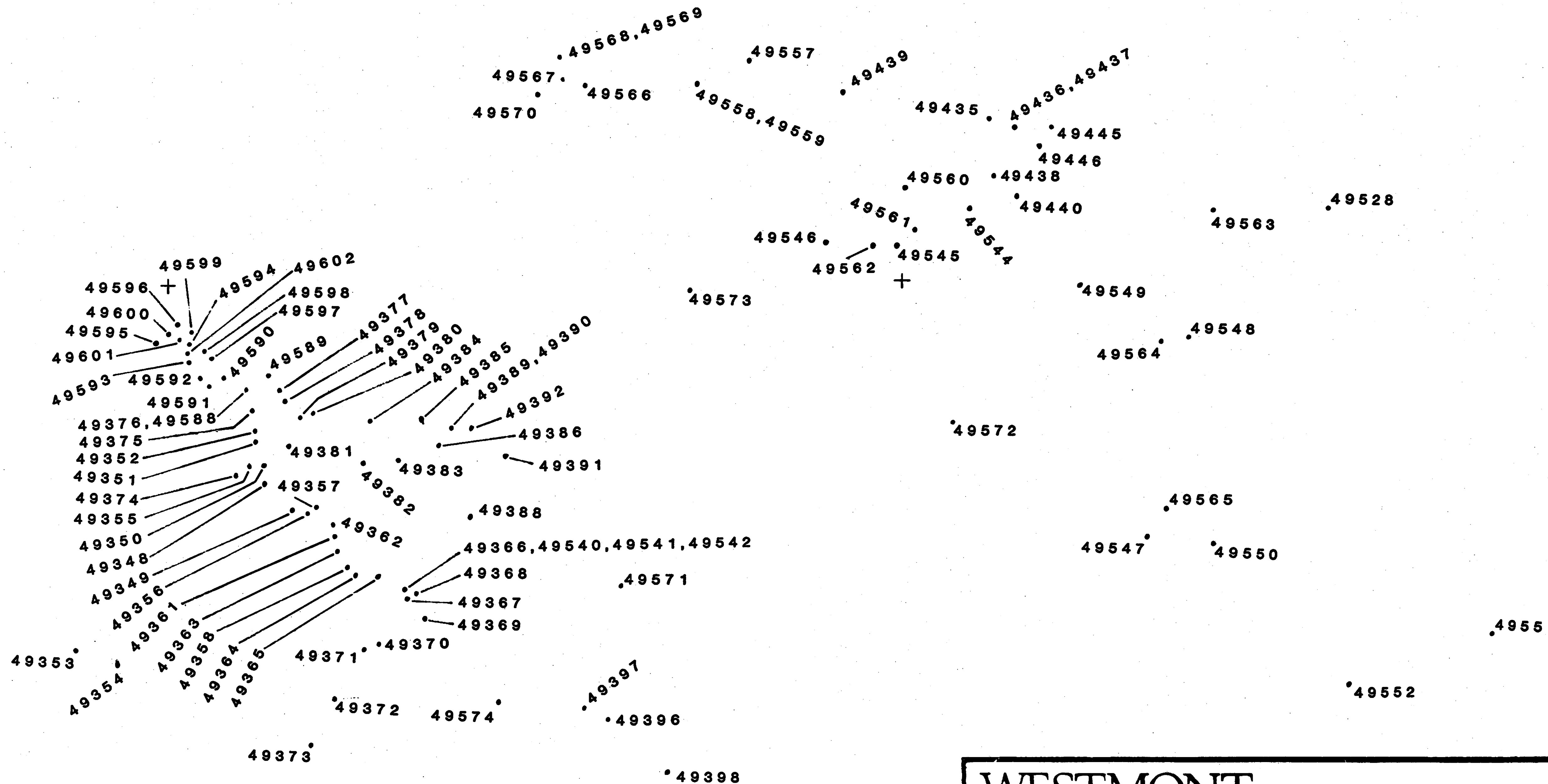
REVISED:

VELASCO CLAIMS

Rock-Chip Sample Sites

San Bernardo/Santa Monica Mine Areas

DATE: SCALE: 1:10450 Fig. 5



WESTMONT
MINING INC.
4949 So. Syracuse Street Suite 4200 Denver, CO 80237

COMPILED:

DRAFTED:

VELASCO CLAIMS

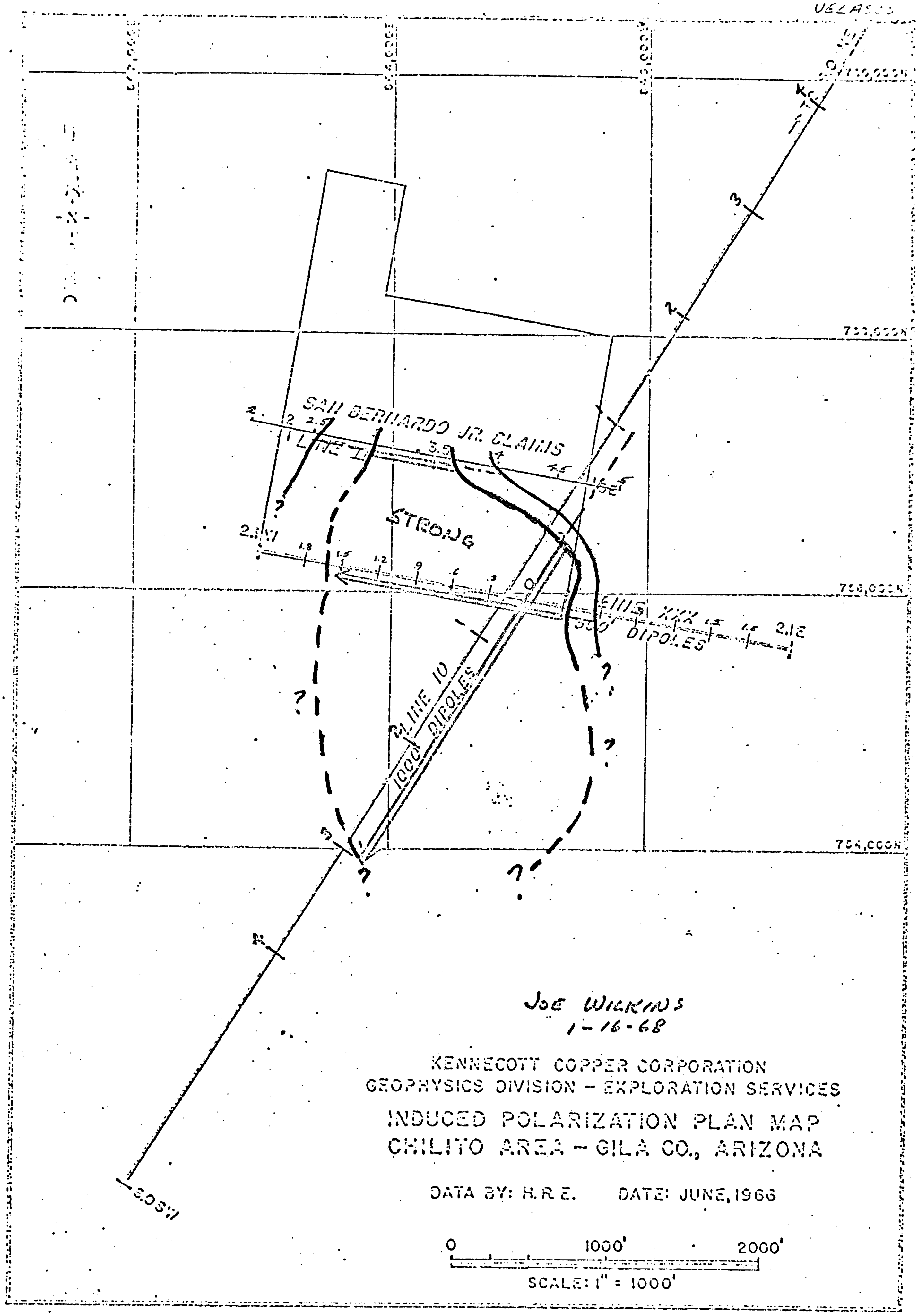
Rock-Chip Sample Sites

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667

BONDAR-CLEGG

Geochemical Lab Report

WESTMONT MINING INC.
ATTN: H. DUMMETT
#12-2341 SOUTH FRIEBUS
TUCSON, AZ. 85713



JOE WILKINS
1-16-68

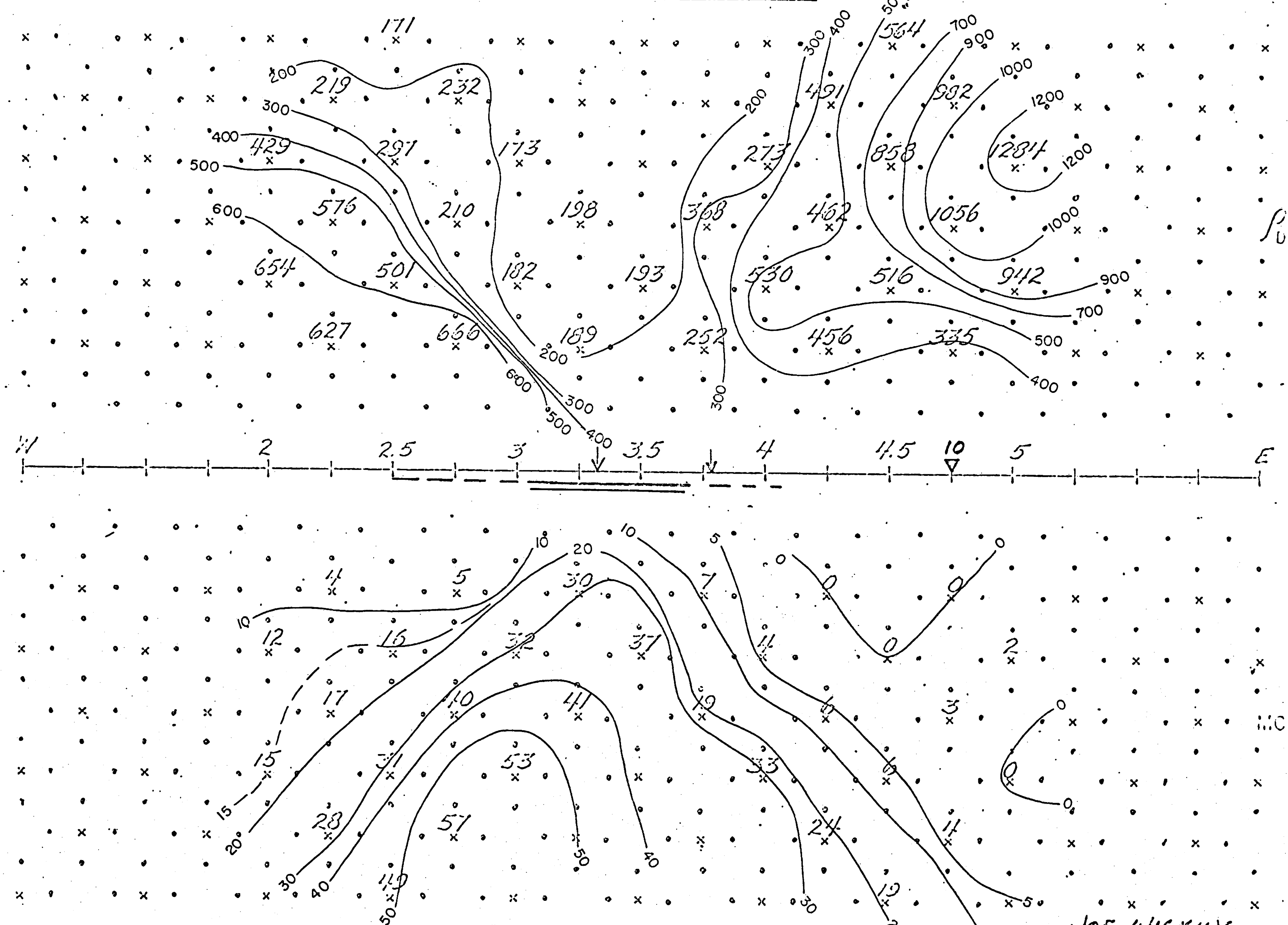
KENNECOTT COPPER CORPORATION
GEOPHYSICS DIVISION – EXPLORATION SERVICES

INDUCED POLARIZATION PLAN MAP
CHILITO AREA – GILA CO., ARIZONA

DATA BY: H.R.E. DATE: JUNE, 1966

0 1000' 2000'
SCALE: 1" = 1000'

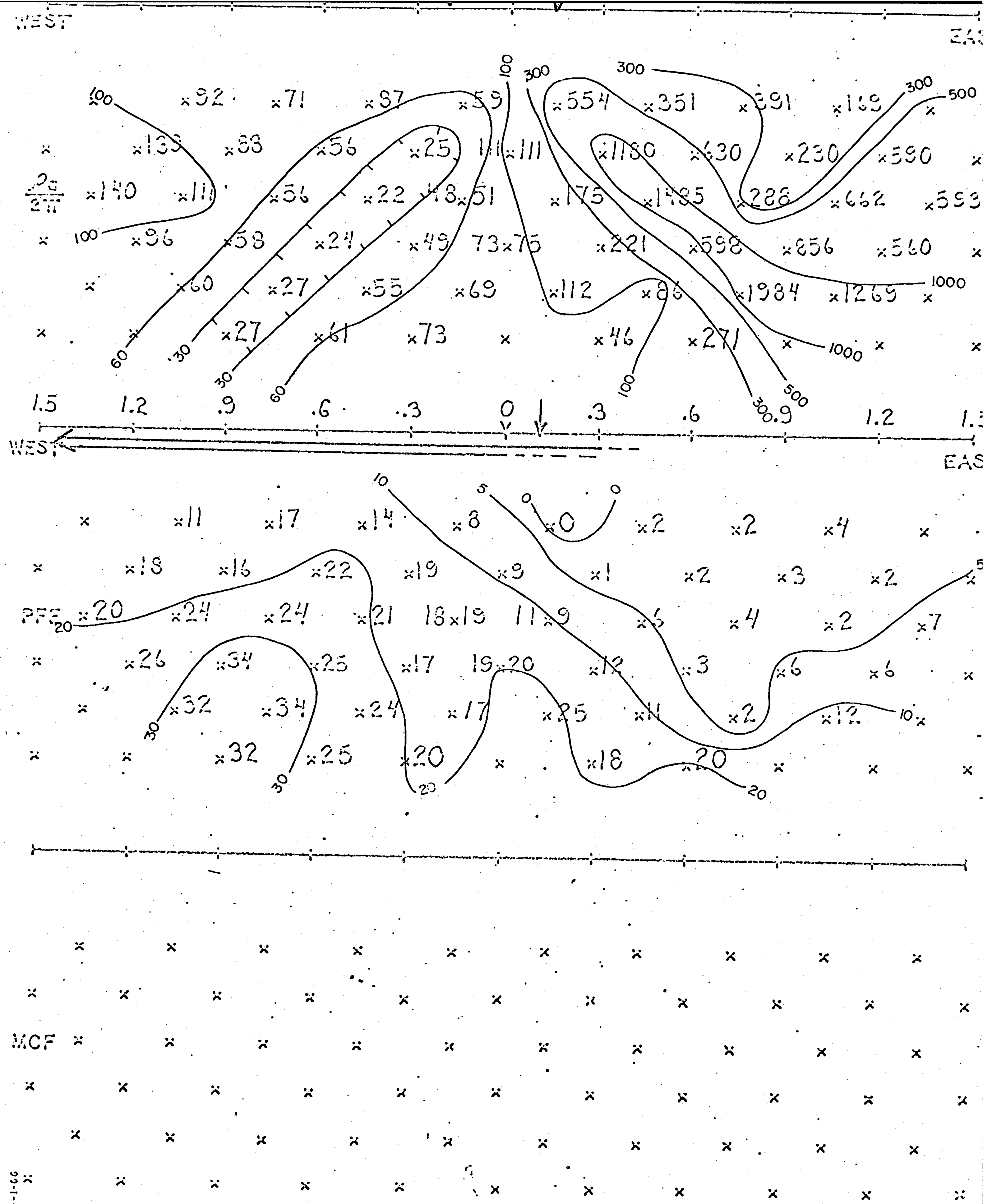
INDUCED POLARIZATION WORK SHEET



CHILITO

1" = 500 feet

JOE WILKINS
1-18-68

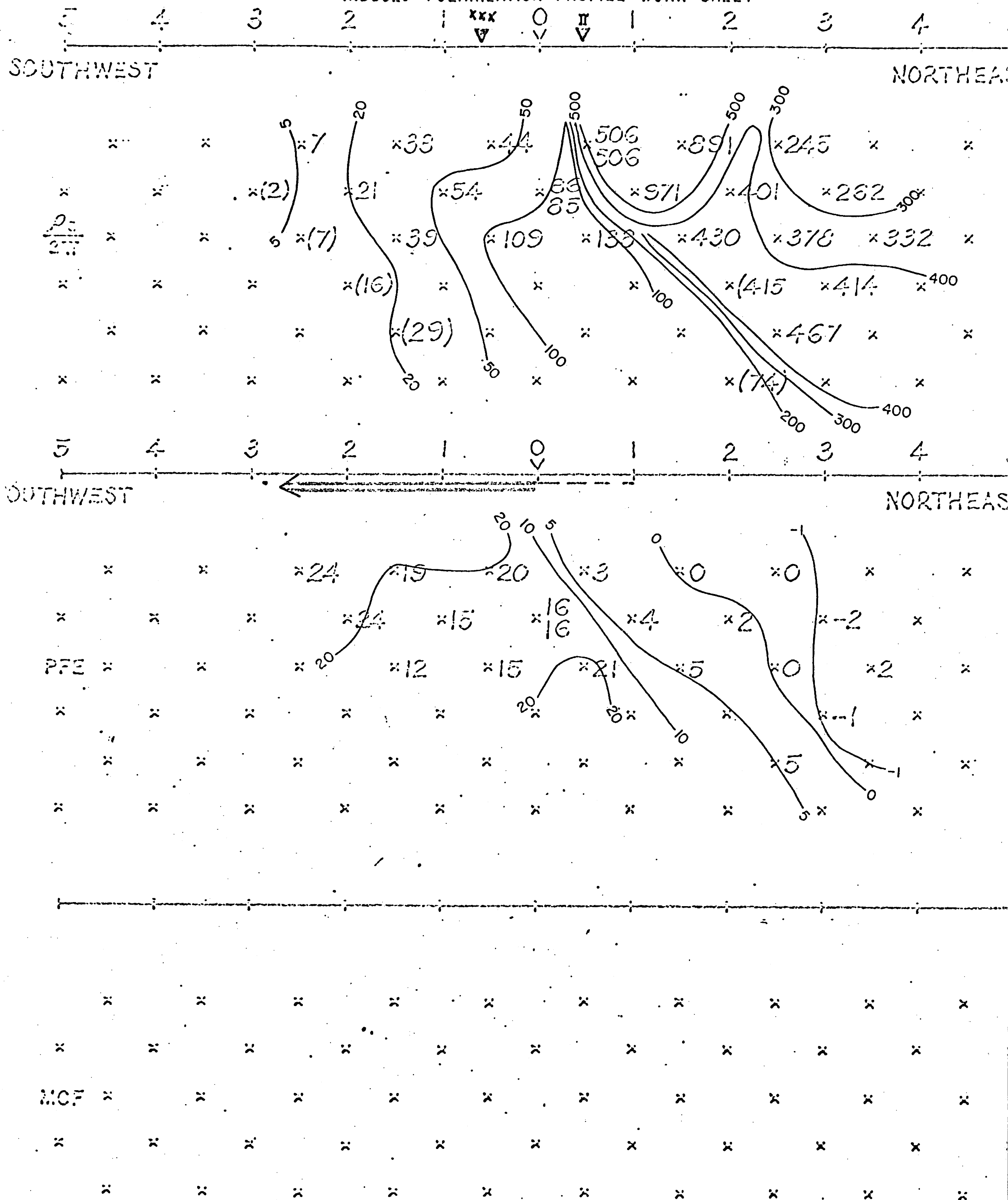


AREA CHILITO STATE ARIZONA A LINE NO. XXX DATA BY H.R.F. DATE 6-22-66

TRANS. H REC. 9, DIPOLE - DIPOLE ARRAY, f: 0.1 & 1.2 cps, a: 300 FEET

J. Wilkins
1-16-68

INDUCED POLARIZATION PROFILE WORK SHEET



J. WILKINS
1-16-68

AREA CHILITO STATE ARIZONA LINE NO. 10 DATA BY T.L.L. DATE 3-65

TRANS. ______ REC. ______, DIPOLE — DIPOLE ARRAY, ... 0.1 ... 1.2 CPS, ... 1000 ...

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Continental Oil Company
Mr. Ray Barkley
1024 S. Plumer
Tucson, Arizona 85716

JOB # 009778
RECEIVED 7-21-71
REPORTED 7-24-71

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER PPM	ZINC %		MOLYBDENUM PPM
11627				132			4
11628				67			5
11629				68			6
11630				104			5
11631				78			3
11632				186			4
11633				90			4
11634				137			6
11635				125			7
11636				178			4
11637				72			5
11638				45			7
11639				74			5
11640				32			4
11641				56			5
11642				39			5
11643				27			4
11644				43			5
11645				23			4
11646				47			5
11647				71			5
11648				27			4
11649				36			3
11650				38			3
11651				48			4
11652				78			7
11653				28			7
11654				35			3
11655				50			4
11656				49			6

CHARGE ______________

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Continental Oil Company
Mr. Ray Barkley
1024 S. Plumer
Tucson, Asizona 85719

JOB # 009776
RECEIVED 7-21-71
REPORTED 7-23-71

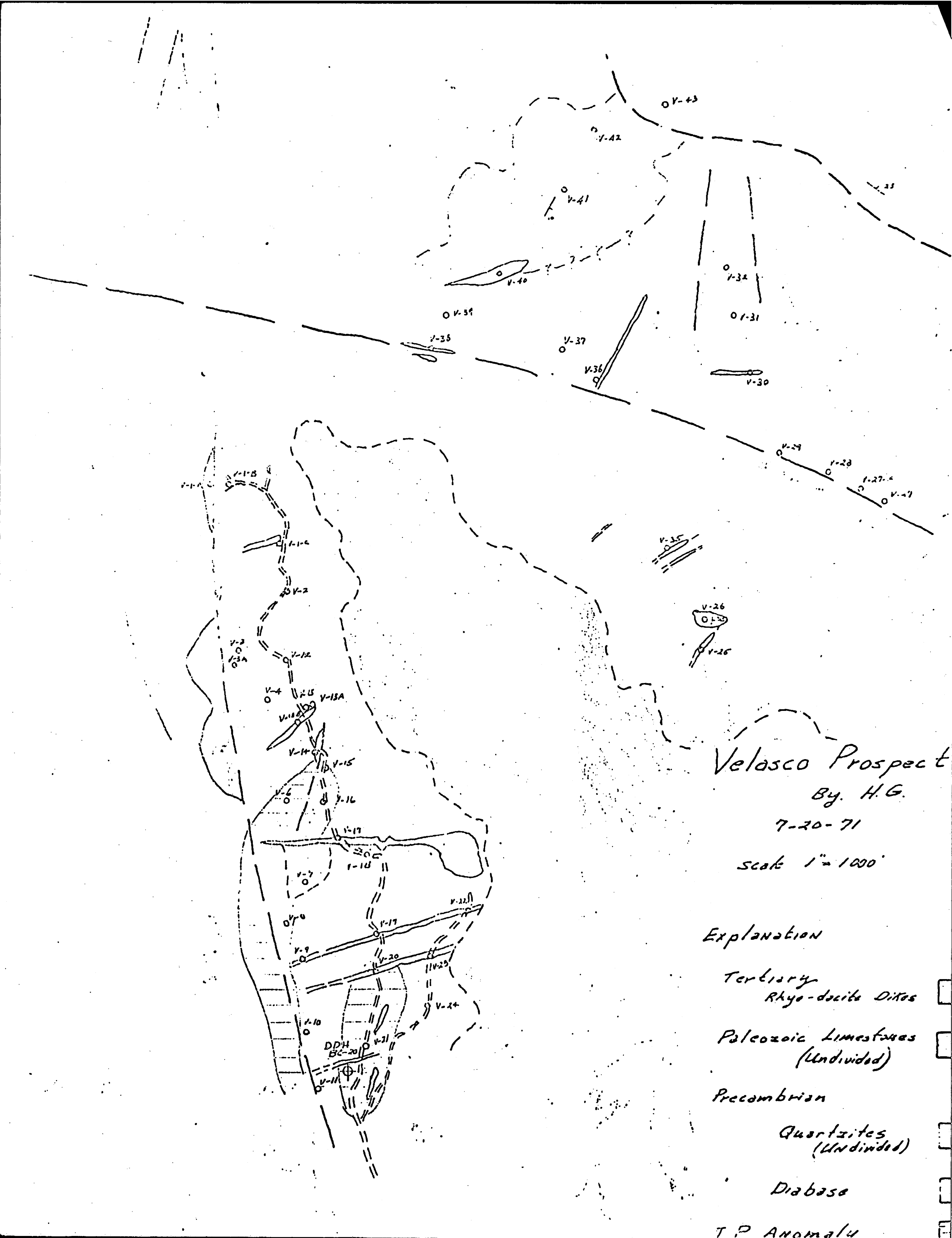
	SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD	COPPER PPM	ZINC		MOLYBDENUM PPM
Ocr. A	7383		.016		91			
B	7384		.018		81			
C	7385		.016		58			
D	7386	< 1 ppm	.75		56			
E	7387				45			5
F	7388				67			4
G	7389				30			3
VI-A	7390				25			3
VIB	7391				74			5
VIC	7392				47			3
V2	7393				53			2
V3	7394				72			6
V4	7395				55			4
V5	7396				190			8
V6	7397				115			7
V7	7398				65			6
V8	7399				71			5

REGISTERED ASSAYER
CERTIFICATE 5875
WILBUR D. WRIGHT
Date Signed
Arizona U. S. A.

CHARGE $ 71.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE



Velasco Prospect
By. H.G.
7-20-71
scale 1" = 1000'
Explanation
Tertiary
Rhyo-dacite Dikes
Paleozoic Limestones
(Undivided)
Precambrian
Quartzites
(Undivided)
Diabase
I.P. Anomaly
V-43
V-42
V-41
V-40
V-39
V-35
V-37
V-36
V-32
V-31
V-30
V-29
V-28
V-26
V-2
V-3
V-4
V-12
V-13A
V-14
V-15
V-16
V-17
V-18
V-7
V-19
V-9
V-20
V-22
V-23
V-24
V-10
V-21
V-11
DDH
BC-20

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
W. L. WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Continental Oil Company

Page 2

JOB # 009778 Continued
RECEIVED
REPORTED

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER PPM	ZINC %		MOLYBDENUM PPM
11657				35			4
11658	Nil	.74	1.66		1.03		16
11659				44			5
11660				87			8
11661				60			6
11662				84			20

Charge to Tucson office.

REGISTERED ASSAYER CERTIFICATE 5875 WILBUR D. WRIGHT Arizona U.S.A.

CHARGE $ 152.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

Sample assays by rock type

DIABASE (Ydb)

sample #	Au (ppm)	Ag (ppm)
~~$~~	~~0.10~~	~~0.65~~
49347	0.10	0.65
49353	0.03	0.41
49405	0.07	0.69
49418	0.14	14.06
49421	0.21	89.83
49451	0.02	17.21

BASALT (Kw)

sample #	Au (ppm)	Ag (ppm)
49359	ND	ND
49360	ND	1.17
49412	0.14	10.29
49415	0.03	ND
49469	ND	0.10
49470	0.03	ND
49471	0.03	1.34
49480	0.24	72.69
49486	0.07	5.62
49525	0.48	210.24
49526	0.21	5.83

BRECCIA

sample #	Au (ppm)	Ag (ppm)
~~$~~		
49390	0.21	0.41
49408	0.03	8.57

Sample assays by rock type

GOSSAN

Sample #		Au (ppm)	Ag (ppm)
49388		0.34	14.33
49398		0.20	5.21
49399		0.41	28.66
49400		0.10	44.57
49401		0.03	37.37
49416		0.45	66.51
49430		0.55	0.69
49432		3.15	31.54
49433		1.23	21.74
49434		2.54	18.99
49435		7.82	25.92
49436		9.87	12.89
49465		ND	1.17
49505	(ss)	0.79	10.22
49506	(Dm)	0.07	5.45
49507	(Dm)	0.38	18.51
49508	(ss+ls)	0.24	18.51
49510	(IPn)	0.03	36.55
49511	(Dm)	2.70	140.68
49541		3.84	6.45
49545	(Me)	11.04	62.06
49546	(Me)	1.68	71.45
49548		0.85	4.18
49557	(Me)	0	
49560		0.27	13.44
49562		1.37	13.54
49568			
49570			
49571			
49575			

Sample assays by rock type

SKARN

Sample #	Au (ppm)	Ag (ppm)
49368	ND	4.87
49396	0.27	0.41
49397	0.14	10.08
49403	0.62	137.14
49429	0.38	3.09
49439	3.15	17.07
49531 (Yme)	ND	0.07
49542 (Ꞓa)	2.13	7.13
49544 (Me)	0.02	0.273
49552 (ℙn)	0.02	ND
49565	ND	0.07
49567		
49573 (ℙn)		
49574 (ℙn)		
49576 (Ꞓa)		
49577 (Ꞓa)		
49582 (Dm)		
49584 (Dm)		
49588 (Ꞓa)		
49589		
49590		
49591		
49592		
49593		
49594		
49595		
49596		
49597		
49598		
49599		
49600		
49601		
49602		

Sample assays by rock type

QUARTZITE (Єa) + SS + SILTST (Yds)

sample #	Au (ppm)	Ag (ppm)
49354	0.01	0.31
49358	0.07	3.19
49363	0.05	5.52
49364	1.85	25.06
49365	0.58	36.75
49366	0.55	7.27
49369	0.41	9.53
49372	0.14	8.54
49374	0.10	2.98
49376	12.82	48.81
49377	3.22	107.76
49379	0.51	10.90
49380	ND	4.32
49381	0.53	27.43
49384	0.69	32.43
49385	0.89	52.46
49386	0.82	16.80
49389	2.47	25.71
49391	0.82	1.37
49512 (Yds)	0.01	15.63
49513 (Yds)	0.01	191.90
49516 (Yds)	ND	2.81
49517	0.02	1169.36
49519	0.02	0.89
49534 (Ydb+sh)	ND	0.86

CHERT / JASPER

sample #	Au (ppm)	Ag (ppm)
49561	1.03	ND
49564	ND	ND
49578		

Sample assays by rock type

LIMESTONE (Dpm)

Sample #	Au (ppm)	Ag (ppm)
49348	0.07	1.27
49349	0.10	0.55
49350	0.27	ND
49351	0.07	0.58
49352	0.82	2.37
49355	0.07	0.93
49367	0.10	4.39
49370	0.24	22.42
49371	0.23	18.34
49373	1.71	34.63
49375	0.14	3.50
49378	0.31	2.57
49382	0.96	3.02
49383	0.07	8.78
49579		
49580		
49581		
49583		

STREAM SEDIMENT

Sample #	Au (ppm)	Ag (ppm)
49393	0.07	4.46
49394	0.06	ND
49395	0.07	ND

MISCELLANEOUS

Sample #	Au (ppm)	Ag (ppm)
49426 (black cc)	0.14	12.69
49445 (sh)	ND	ND
49462 (cong - Tbl)	ND	0.31
49463 (MnOx)	ND	0.55

Sample assays by rock type

LIMESTONE

sample #	Au (ppm)	Ag (ppm)
49404 (Ym)	0.07	11.66
49407	0.14	9.39
49409 (Me)	0.24	25.37
49411 (Me)	0.07	6.51
49413 (IPn)	0.03	2.06
49414 (IPn)	0.65	38.74
49425	0.03	2.74
49428 (Me)	ND	0.68
49431 (Me)	0.07	1.37
49437 (Me)	0.27	3.84
49440 (Me)	0.06	3.77
49446	0.03	0.89
49448	0.03	13.58
49449	0.05	138.45
49450	0.01	ND
49464	ND	ND
49514 (Yme)	ND	ND
49515 (Yme)	ND	ND
49518	ND	3.53
49533 (Yme)	ND	0.58
49547 (Me)	0.03	ND
49549 (Me)	0.03	ND
49550 (IPn)	0.03	ND
49558 (Me)		
49563 (bxxa)	ND	0.82
49566		
49569		
49572 (IPn)		
49579		
49580 (Dm)		
49581		
49583 (Dm)		

Sample assays by rock type

DOLOMITE

Sample #	Au (ppm)	Ag (ppm)
49356	0.03	ND
49357	0.03	ND
49361	ND	0.89
49362	0.03	ND

QUARTZ VEIN

Sample #	Au (ppm)	Ag (ppm)
49392	0.69	58.28
49402	0.51	167.66
49406	0.89	92.22
49410	2.50	229.72
49419 (ydb)	0.24	9.26
49420 (ydb)	0.14	14.06
49422	0.14	38.61
49424	1.30	281.49
49427	0.14	25.10
49452	0.03	22.08
49453	ND	ND
49455	1.13	6.57
49456	28.97	2.33
49457	5.82	1.89
49458	3.46	2.57
49459	2.30	93.70
49460	0.48	0.65
49461	1.27	21.81
49476	3.98	8.74
49477	55.17	43.51
49478	0.62	311.35
49479 (bas)	0.14	15.80
49482 (bas)	0.58	360.24
49484 (vol)	1.10	83.31
49485 (vol)	3.50	52.46

QUARTZ VEIN cont'd

[illegible]

sample #		Au (ppm)	Ag (ppm)
49489	(Kwc)	0.27	5.06
49490	(Kwc)	1.54	61.58
49491	(por)	4.87	32.54
49492	(Kwc)	2.61	88.29
49493		14.26	92.81
49498	(por)	0.02	101.35
49500		1.10	78.27
49501		1.47	245.52
49502		0.86	3.33
49503		1.33	453.36
49504		0.72	838.22

PORPHYRY

	Au (ppm)	Ag (ppm)
49438	49.58	5.69
49447	0.07	19.71
49472	ND	0.14
49473	0.24	10.11
49474	0.48	81.15
49475	4.42	36.03
49481	0.31	52.49
49483	1.10	165.26
49487	0.03	1.10
49496	0.01	0.86
49499	0.01	1.58
49520	ND	2.16
49521	ND	1.03
49522	0.01	1.99
49523	0.73	1366.13
49524	ND	8.54
49527	0.77	29.21
49543	0.04	ND
49551	0.02	ND