EDA Instruments Inc.
[X] 5151 Ward Road
Wheat Ridge CO 80033
Telephone (303) 422 9112

[ ] 4115 Silver Avenue SE
Albuquerque NM 87108
Telephone (505) 266 9106

EDA

Report of Analysis

To

Anschutz Mining con't

Client No.	Log No.	Client P.O. No.	Date Collected	Date Received	Date Reported
1130	2772			1/26/82	2/12/82

Sample I.D.		Fe % (0.05)	Mg % (0.02)	Ca % (0.05)	Ti % (0.002)	Mn ppm (10)	Ag ppm (0.5)	As ppm (200)
1517	1	G(20)	1	0.05	0.2	700	3	N
1518	2	5	1.5	10	0.3	5000	N	N
1519	3	5	0.15	1	0.3	1500	3	N
1520	4	2	0.02	15	0.03	700	10	N
		Au ppm (10)	B ppm (10)	Ba ppm (20)	Be ppm (1)	Bi ppm (10)	Cd ppm (20)	Co ppm (5)
	1	N	N	100	L	N	N	100
	2	N	70	1000	1.5	N	N	20
	3	N	L	1500	1	N	N	70
	4	N	15	G(5000)	1	N	N	5
		Cr ppm (10)	Cu ppm (5)	La ppm (20)	Mo ppm (5)	Nb ppm (20)	Ni ppm (5)	Pb ppm (10)
	1	300	5000	30	N	N	100	10
	2	20	150	30	30	L	20	30
	3	15	50	150	20	20	20	50
	4	30	20	20	N	N	5	150
		Sb ppm (100)	Sc ppm (5)	Sn ppm (10)	Sr ppm (100)	V ppm (10)	W ppm (50)	Y ppm (10)
	1	N	50	N	N	300	N	15
	2	N	15	N	200	100	N	30
	3	N	10	N	700	30	N	50
	4	N	7	N	G(5000)	50	N	150
		Zn ppm (200)	Zr ppm (10)	Th ppm (100)	Al % (0.1)	Si % (0.1)	Na % (0.02)	K % (0.02)
	1	N	20	L	3	30	0.05	1
	2	N	200	N	15	50	1	1
	3	N	500	N	15	70	3	1.5
	4	N	70	N	1	15	0.07	1

Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc. Lower limits of determination are in parenthesis.
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1130	2772			1/26/82	2/12/82

Sample I.D.		Fe % (0.05)	Mg % (0.02)	Ca % (0.05)	Ti % (0.002)	Mn ppm (10)	Ag ppm (0.5)	As ppm (200)
1523	1	3	0.2	3	0.15	G(5000)	0.5	N
1525	2	3	0.15	2	0.1	G(5000)	3	N
1529	3	1.5	0.1	3	0.1	3000	2	N
1532	4	3	1	10	0.5	5000	1.5	N
		Au ppm (10)	B ppm (10)	Ba ppm (20)	Be ppm (1)	Bi ppm (10)	Cd ppm (2)	Co ppm (5)
	1	N	30	1500	L	N	N	10
	2	N	20	3000	L	N	N	10
	3	N	30	1500	L	N	N	10
	4	N	70	150	L	N	N	15
		Cr ppm (10)	Cu ppm (5)	La ppm (20)	Mo ppm (5)	Nb ppm (20)	Ni ppm (5)	Pb ppm (10)
	1	50	70	N	50	L	50	150
	2	70	100	N	70	L	70	500
	3	30	700	N	50	L	15	150
	4	50	700	N	20	L	20	150
		Sb ppm (100)	Sc ppm (5)	Sn ppm (10)	Sr ppm (100)	V ppm (10)	W ppm (50)	Y ppm (10)
	1	N	L	N	N	30	N	10
	2	N	L	N	N	30	N	10
	3	N	L	N	N	30	N	L
	4	N	N	N	N	100	N	30
		Zn ppm (200)	Zr ppm (10)	Th ppm (100)	Al % (0.1)	Si % (0.1)	Na % (0.02)	K % (0.02)
	1	N	200	N	3	70	0.07	1
	2	700	200	N	3	70	0.07	1
	3	300	200	N	3	70	0.05	1
	4	N	200	N	10	70	0.1	1

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CDA Instruments Inc.
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CDA

Report of Analysis

To

Anschutz Mining con't.

Client No.	Log No.	Client P.O. No.	Date Collected	Date Received	Date Reported
1130	2772			1/26/82	2/12/82

Sample I.D.		Fe % (0.05)	Mg % (0.02)	Ca % (0.05)	Ti % (0.002)	Mn ppm (10)	Ag ppm (0.5)	As ppm (200)
1533	1	7	0.2	10	0.15	5000	2	N
	2							
	3							
	4							

		Au ppm (10)	B ppm (10)	Ba ppm (20)	Be ppm (1)	Bi ppm (10)	Cd ppm (20)	Co ppm (5)
	1	N	20	100	L	N	N	10
	2							
	3							
	4							

		Cr ppm (10)	Cu ppm (5)	La ppm (20)	Mo ppm (5)	Nb ppm (20)	Ni ppm (5)	Pb ppm (10)
	1	50	G(5000)	N	N	L	15	1000
	2							
	3							
	4							

		Sb ppm (100)	Sc ppm (5)	Sn ppm (10)	Sr ppm (100)	V ppm (10)	W ppm (50)	Y ppm (10)
	1	N	5	N	N	50	N	50
	2							
	3							
	4							

		Zn ppm (200)	Zr ppm (10)	Th ppm (100)	Al % (0.1)	Si % (0.1)	Na % (0.02)	K % (0.02)
	1	700	500	N	3	50	0.05	1
	2							
	3							
	4							

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EDA

Report of Analysis

To

Anschutz con't.

Client No.	Log No.	Client P.O. No.	Date Collected	Date Received	Date Reported
1130	2786			2/10/82	2/22/82

Sample I.D.		Fe % (0.05)	Mg % (0.02)	Ca % (0.05)	Ti % (0.002)	Mn ppm (10)	Ag ppm (0.5)	As ppm (200)
1539	1	3	0.15	0.07	0.3	700	3	N
1547	2	5	0.15	20	0.02	G(5000)	L	N
1548	3	7	0.5	15	0.3	G(5000)	L	N
1551	4	1.5	0.7	20	0.1	5000	N	N
		Au ppm (10)	B ppm (10)	Ba ppm (20)	Be ppm (1)	Bi ppm (10)	Cd ppm (20)	Co ppm (5)
	1	10	20	3000	2	N	N	10
	2	N	20	300	1	N	N	15
	3	N	100	300	1.5	N	N	30
	4	N	30	100	L	N	N	10
		Cr ppm (10)	Cu ppm (5)	La ppm (20)	Mo ppm (5)	Nb ppm (20)	Ni ppm (5)	Pb ppm (10)
	1	30	15	20	10	L	5	10
	2	50	100	N	N	N	20	150
	3	200	200	30	N	N	100	300
	4	50	7	20	N	N	15	L
		Sb ppm (100)	Sc ppm (5)	Sn ppm (10)	Sr ppm (100)	V ppm (10)	W ppm (50)	Y ppm (10)
	1	N	7	N	200	50	N	10
	2	N	L	N	500	100	N	L
	3	N	15	N	150	150	N	30
	4	N	L	N	150	50	N	30
		Zn ppm (200)	Zr ppm (10)	Th ppm (100)	Al % (0.1)	Si % (0.1)	Na % (0.02)	K % (0.02)
	1	N	300	N	5	70	0.07	1
	2	N	10	N	L	50	0.05	1.5
	3	N	100	N	10	50	0.2	2
	4	N	100	N	5	30	0.07	1

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5[illegible] Road
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Report of Analysis

To

Anschutz Mining con't.

Client No.	Log No.	Client P.O. No.	Date Collected	Date Received	Date Reported
1130	2824			3/1/82	3/24/82

Sample I.D.		Fe (0.05)	Mg (0.02)	Ca (0.05)	Ti (0.002)	Mn ppm (10)	Ag ppm (0.5)	As ppm (200)
1568	1	3	0.2	10	0.1	G(5000)	2	N
1569	2	3	1.5	20	0.2	5000	1	N
1570	3	5	0.7	20	0.2	G(5000)	1	N
1571	4	7	0.3	0.3	0.2	2000	5	N

		Au ppm (10)	B ppm (10)	Ba ppm (20)	Be ppm (1)	Bi ppm (10)	Cd ppm (20)	Co ppm (5)
	1	N	15	1500	1	N	N	10
	2	N	30	5000	L	N	N	15
	3	N	30	2000	1	N	N	15
	4	10	20	1000	2	N	N	50

		Cr ppm (10)	Cu ppm (5)	La ppm (20)	Mo ppm (5)	Nb ppm (20)	Ni ppm (5)	Pb ppm (10)
	1	50	15	N	N	N	50	L
	2	70	15	30	N	N	50	100
	3	70	20	20	N	N	70	200
	4	30	150	20	20	L	50	150

		Sb ppm (100)	Sc ppm (5)	Sn ppm (10)	Sr ppm (100)	V ppm (10)	W ppm (50)	Y ppm (10)
	1	N	L	N	500	20	N	30
	2	N	7	N	500	50	N	3[illegible]
	3	N	7	N	300	30	N	3[illegible]
	4	N	10	N	L	70	N	2[illegible]

		Zn ppm (200)	Zr ppm (10)	Th ppm (100)	Al (0.1)	Si (0.1)	Na (0.02)	K (0.02)
	1	N	30	N	7	50	0.5	[illegible]
	2	N	150	N	10	30	0.5	[illegible]
	3	N	100	N	10	30	0.15	[illegible]
JmG	4	N	200	N	7	70	0.1	[illegible]

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Great Ridge CO 80033
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Telephone (303) 266 9106

CDA

Report of Analysis

To
Anschutz Mining con't.

Client No.	Log No.	Client P.O. No.	Date Collected	Date Received	Date Reported
1130	2824			3/1/82	3/24/82

Sample I.D.		Fe % (0.05)	Mg % (0.02)	Ca % (0.05)	Ti % (0.002)	Mn ppm (10)	Ag ppm (0.5)	As ppm (200)
1572	1	5	0.5	1	0.2	1500	0.5	N
1573	2	3	0.1	0.2	0.1	1000	15	N
1574	3	2	0.1	0.5	0.03	2000	1	N
1575	4	3	0.07	0.2	0.05	1500	0.7	N
		Au ppm (10)	B ppm (10)	Ba ppm (20)	Be ppm (1)	Bi ppm (10)	Cd ppm (20)	Co ppm (5)
	1	N	20	300	1.5	N	N	70
	2	20	20	200	1	N	N	7
	3	N	10	1500	L	N	N	7
	4	N	15	200	L	N	N	7
		Cr ppm (10)	Cu ppm (5)	La ppm (20)	Mo ppm (5)	Nb ppm (20)	Ni ppm (5)	Pb ppm (10)
	1	15	70	20	30	L	50	70
	2	20	50	N	20	N	15	150
	3	15	70	N	30	N	15	20
	4	15	50	N	30	L	15	70
		Sb ppm (100)	Sc ppm (5)	Sn ppm (10)	Sr ppm (100)	V ppm (5)	W ppm (50)	Y ppm (10)
	1	N	7	N	L	30	N	30
	2	N	L	N	100	15	N	L
	3	N	N	N	L	10	N	L
	4	N	L	N	L	10	N	L
		Zn ppm (200)	Zr ppm (10)	Th ppm (100)	Al % (0.1)	Si % (0.1)	Na % (0.02)	K % (0.02)
	1	N	150	N	7	70	0.07	2
	2	N	100	N	1	70	0.07	2
	3	N	150	N	1	70	0.07	2
	4	N	70	N	1	70	0.07	2

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CDA

Report of Analysis

To

Anschutz Mining con't.

Client No.	Log No.	Client P.O. No.	Date Collected	Date Received	Date Reported
1130	2824			3/1/82	3/24/82

Sample I.D.		Fe (0.05)	Mg (0.02)	Ca (0.05)	Ti (0.002)	Mn ppm (10)	Ag ppm (0.5)	As ppm (200)
1576	1	1.5	0.05	0.3	0.03	1500	1	N
1578	2	5	0.1	7	0.03	G(5000)	300	N
1580	3	5	0.05	0.15	0.05	G(5000)	N	N
1581	4	15	3	1.5	G(1)	2000	5	N
		Au ppm (10)	B ppm (10)	Ba ppm (20)	Be ppm (1)	Bi ppm (10)	Cd ppm (20)	Co ppm (5)
	1	N	10	300	1	N	N	5
	2	N	20	G(5000)	L	N	N	7
	3	N	L	1000	1	N	N	7
	4	N	15	700	L	N	N	70
		Cr ppm (10)	Cu ppm (5)	La ppm (20)	Mo ppm (5)	Nb ppm (20)	Ni ppm (5)	Pb ppm (10)
	1	L	15	N	20	L	15	L
	2	50	10000	N	50	N	50	3000
	3	50	100	N	100	L	50	20
	4	150	20	70	10	L	150	L
		Sb ppm (100)	Sc ppm (5)	Sn ppm (10)	Sr ppm (100)	V ppm (10)	W ppm (50)	Y ppm (10)
	1	N	N	N	L	L	N	L
	2	N	N	N	1500	100	N	10
	3	N	L	N	300	10	N	10
	4	N	30	10	700	150	N	70
		Zn ppm (200)	Zr ppm (10)	Th ppm (100)	Al (0.1)	Si (0.1)	Na (0.02)	K (0.02)
	1	N	70	N	1	70	0.07	2
	2	7000	20	N	1	50	0.07	2
	3	N	50	N	15	50	5	2
	4	N	200	L	20	50	3	2

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Report of Analysis

To

Anschutz Mining con't.

Client No.	Log No.	Client P.O. No.	Date Collected	Date Received	Date Reported
1130	2824			3/1/82	3/24/82

Sample I.D.		Fe (0.05)	Mg (0.02)	Ca (0.05)	Ti (0.002)	Mn [illegible]	Ag ppm (0.5)	As ppm (200)
1582	1	10	1.5	1.5	1	G(5000)	L	N
1583	2	5	0.2	0.3	0.1	5000	N	N
1584	3	5	0.15	0.15	0.2	5000	N	N
1585	4	2	0.3	20	0.2	G(5000)	3	N
		Au ppm (10)	B ppm (10)	Ba ppm (20)	Be ppm (1)	Bi [illegible]	Cd ppm (20)	Co ppm (5)
	1	N	10	2000	1	N	N	50
	2	N	10	2000	2	N	N	7
	3	N	15	2000	1.5	N	N	10
	4	N	10	700	L	N	N	7
		Cr ppm (10)	Cu ppm (5)	La ppm (20)	Mo ppm (5)	Nb [illegible]	Ni ppm (5)	Pb ppm (10)
	1	30	30	300	50	20	30	L
	2	30	20	L	70	L	30	20
	3	30	50	70	70	L	50	30
	4	70	100	20	N	N	20	100
		Sb ppm (100)	Sc ppm (5)	Sn [illegible]	Sr [illegible]	V [illegible]	W ppm (50)	Y [illegible]
	1	N	30	10	700	100	N	150
	2	N	L	N	500	10	N	L
	3	N	7	10	700	30	N	50
	4	N	5	N	200	20	N	30
		Zn ppm (200)	Zr ppm (10)	Th ppm (100)	Al [illegible]	Si [illegible]	Na [illegible]	K [illegible]
	1	N	G(1000)	L	30	50	G(5)	2
	2	N	70	N	20	70	5	2
	3	N	300	N	20	50	G(5)	2
	4	N	300	N	7	30	0.5	1.5

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CDA

Report of Analysis

TO

Anschutz Mining con't.

Client No	Log No.	Client P.O. No	Date Collected	Date Received	Date Reported
1130	2824			3/1/28	3/24/82

Sample I.D.		Fe (0.05)	Mg (0.02)	Ca (0.35)	Ti (0.002)	Mn ppm (2)	Ag ppm (0.5)	As ppm (20)
1586	1	20	0.3	20	0.05	5000	10	N
1587	2	2	0.5	0.5	0.3	G(5000)	N	N
1588	3	1	1.5	G(20)	0.15	3000	1	N
1589	4	2	0.2	15	0.5	G(5000)	1.5	N
		Au ppm (10)	B ppm (10)	Ba ppm (20)	Be ppm (1)	Bi ppm (10)	Cd ppm (20)	Co ppm (5)
	1	N	N	150	1	N	N	10
	2	N	100	1500	3	N	N	700
	3	N	10	700	L	N	N	5
	4	N	20	1500	L	N	N	5
		Cr ppm (10)	Cu ppm (5)	La ppm (20)	Mo ppm (5)	Nb ppm (20)	Ni ppm (5)	Pb ppm (10)
	1	20	70	N	N	N	15	70
	2	15	G(5000)	150	N	L	150	50
	3	50	200	L	N	N	10	70
	4	100	70	20	30	N	20	50
		Sb ppm (100)	Sc ppm (5)	Sn ppm (10)	Sr ppm (10)	V ppm (1)	W ppm (50)	Y ppm (10)
	1	N	N	N	N	20	50	30
	2	N	10	L	150	30	N	10
	3	N	L	N	300	20	N	15
	4	N	10	N	150	20	N	30
		Zn ppm (200)	Zr ppm (10)	Th ppm (100)	Al (0.1)	Si (0.1)	Na (0.02)	K (0.1)
	1	N	100	L	L	30	0.07	0.
	2	500	150	N	20	50	0.5	3
	3	L	100	N	5	20	0.1	2
	4	N	300	N	10	50	0.3	2

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Wheat Ridge CO 80033
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CDL

Report of Analysis

To

Anschutz Mining con't.

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1130	2824			3/1/82	3/24/82

Sample I.D.		Fe (0.05)	Mg (0.02)	Ca (0.05)	Ti (0.002)	Mn ppm (15)	Ag ppm (0.5)	As ppm (2)
1590	1	7	0.2	1	0.2	G(5000)	0.7	N
1591	2	1	1	G(20)	0.03	G(5000)	N	N
1601	3	3	0.2	2	0.15	5000	L	N
1603	4	7	1	2	0.3	3000	L	N
		Au ppm (10)	B ppm (10)	Ba ppm (20)	Be ppm (1)	Bi ppm (10)	Cd ppm (20)	Co ppm (5)
	1	N	10	150	L	N	N	20
	2	N	N	300	L	N	N	5
	3	N	10	2000	2	N	N	10
	4	N	50	1500	1.5	N	N	20
		Cr ppm (10)	Cu ppm (5)	La ppm (20)	Mo ppm (5)	Nb ppm (20)	Ni ppm (5)	Pb ppm (10)
	1	50	1000	L	50	L	70	L
	2	30	50	N	N	N	7	150
	3	50	50	20	70	L	50	100
	4	20	50	70	30	N	15	30
		Sb ppm (100)	Sc ppm (5)	Sn ppm (10)	Sr ppm (100)	V ppm [illegible]	W ppm [illegible]	Y ppm [illegible]
	1	N	5	N	500	50	N	20
	2	N	N	N	1000	30	N	10
	3	N	5	N	1000	20	N	30
	4	N	15	N	300	70	N	50
		Zn ppm (200)	Zr ppm (10)	Th ppm (100)	Al (0.1)	Si [illegible]	Na (0.02)	K (0.02)
	1	N	100	N	2	70	0.2	1.[illegible]
	2	N	30	N	2	0.1	0.07	0.[illegible]
	3	N	70	N	20	50	5	3
	4	N	150	N	20	50	3	2

Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc. Lower limits of determination are in parenthesis
G = Greater than value shown. N = Not detected at limit of detection, or at value shown.
L = Detected but below limit of determination, or below value shown.

Great Bridge CO 80033
Telephone (303) 422 9112
Telephone (505) 266 9106

CDA

Report of Analysis

To

Anschutz Mining con't.

Client No.	Log No.	Client P.O. No.	Date Collected	Date Received	Date Reported
1130	2824			3/1/28	3/24/82

Sample I.D.		Fe (0.05)	Mg (0.02)	Ca (0.05)	Ti (0.002)	Mn ppm (10)	Ag ppm (0.5)	As ppm (200)
1611	1	5	0.2	20	0.03	G(5000)	L	N
1612	2	5	0.2	2	0.1	5000	0.5	N
	3							
	4							

		Au ppm (10)	B ppm (10)	Ba ppm (20)	Be ppm (1)	Bi ppm (10)	Cd ppm (20)	Co ppm (5)
	1	N	L	1000	L	N	N	10
	2	N	20	1000	1.5	N	N	20
	3							
	4							

		Cr ppm (10)	Cu ppm (5)	La ppm (20)	Mo ppm (5)	Nb ppm (20)	Ni ppm (5)	Pb ppm (10)
	1	70	50	30	N	N	30	10
	2	30	50	20	70	L	30	200
	3							
	4							

		Sb ppm (100)	Sc ppm (5)	Sn ppm (10)	Sr ppm (10)	V ppm (10)	W ppm (50)	Y ppm (10)
	1	N	N	N	500	20	N	30
	2	N	L	N	L	30	N	20
	3							
	4							

		Zn ppm (200)	Zr ppm (10)	Th ppm (100)	Al (0.1)	Si (0.1)	Na (0.02)	K (0.02)
	1	N	30	N	1	30	0.07	2
	2	N	70	N	5	50	1.5	2
	3							
	4							

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L = Detected but below limit of determination, or below value shown

EDA Instruments Inc.

[X] 5151 Ward Road
Wheat Ridge CO 80033
Telephone (303) 422 9112

[ ] 4115 Silver Avenue SE
Albuquerque NM 87108
Telephone (505) 266 9106

Report of Analysis

To

Anschutz Mining con't.

Client No.	Log No.	Client P.O. No.	Date Collected	Date Received	Date Reported
1130	2890			3/26/82	4/14/82

Sample I.D.		Fe (0.05)	Mg (0.02)	Ca (0.05)	Ti (0.002)	Mn ppm (10)	Ag ppm (0.5)	As ppm (200)
1616	1	7	0.5	0.7	0.3	1500	0.5	N
1620	2	3	0.1	1.5	0.03	5000	1.5	N
1623	3	7	0.1	0.05	0.1	1500	15	N
1625	4	3	0.2	7	0.03	5000	1.5	N
		Au ppm (10)	B ppm (10)	Ba ppm (20)	Be ppm (1)	Bi ppm (10)	Cd ppm (20)	Co ppm (5)
	1	N	20	1000	1	N	N	50
	2	N	30	3000	L	N	N	10
	3	100	30	150	1.5	N	N	15
	4	N	30	100	L	N	N	30
		Cr ppm (10)	Cu ppm (5)	La ppm (20)	Mo ppm (5)	Nb ppm (20)	Ni ppm (5)	Pb ppm (10)
	1	20	7	100	30	L	20	50
	2	50	150	N	50	N	50	150
	3	50	70	N	30	L	20	100
	4	50	300	N	70	N	30	30
		Sb ppm (100)	Sc ppm (5)	Sn ppm (10)	Sr ppm (100)	V ppm (10)	W ppm (50)	Y ppm (10)
	1	N	15	N	500	100	N	50
	2	N	L	N	150	30	N	L
	3	N	L	N	L	70	N	L
	4	N	L	N	100	30	N	20
		Zn ppm (200)	Zr ppm (10)	Th ppm (100)	Al (0.1)	Si (0.1)	Na (0.02)	K (0.02)
	1	N	300	N	10	50	3	2
	2	1500	70	N	1	50	0.05	1.5
	3	N	100	N	1	50	0.05	1
	4	N	50	N	1	50	0.07	1.5

Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc. Lower limits of determination are in parenthesis.
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L = Detected but below limit of determination, or below value shown.

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Albuquerque NM 87108
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EDA

Report of Analysis

To

Anschutz Mining con't.

Client No.	Log No.	Client P.O. No.	Date Collected	Date Received	Date Reported
1130	2890			3/26/82	4/14/82

Sample I.D.		Fe % (0.05)	Mg % (0.02)	Ca % (0.05)	Ti % (0.002)	Mn ppm (10)	Ag ppm (0.5)	As ppm (200)
1627	1	3	0.3	0.3	0.1	3000	N	N
1634	2	3	1	20	0.15	5000	N	N
	3							
	4							

		Au ppm (10)	B ppm (10)	Ba ppm (20)	Be ppm (1)	Bi ppm (10)	Cd ppm (20)	Co ppm (5)
	1	N	20	1000	L	N	N	10
	2	N	20	300	L	N	N	10
	3							
	4							

		Cr ppm (10)	Cu ppm (5)	La ppm (20)	Mo ppm (5)	Nb ppm (20)	Ni ppm (5)	Pb ppm (10)
	1	30	15	N	70	L	50	10
	2	20	15	30	N	N	15	15
	3							
	4							

		Sb ppm (100)	Sc ppm (5)	Sn ppm (10)	Sr ppm (100)	V ppm (10)	W ppm (50)	Y ppm (10)
	1	N	5	N	150	15	N	L
	2	N	7	N	500	30	N	30
	3							
	4							

		Zn ppm (200)	Zr ppm (10)	Th ppm (100)	Al % (0.1)	Si % (0.1)	Na % (0.02)	K % (0.02)
	1	N	70	N	10	50	3	2
	2	N	100	N	7	15	0.1	0.05
	3							
	4							

Results are in the series 1, 1.5, 2, 3, 5, 7, 10, etc. Lower limits of determination are in parenthesis.
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APPENDIX VI

Field Notes

Samples of Appendix V

D.L. Lewis

V

8 Nov 88

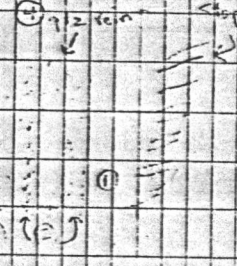
[illegible]

8:40 am [illegible]

30 [illegible]

16 Nov 88

Gold Road Stope: [illegible] samples taken along hanging wall of [illegible] fine feldspar samples 1. 0-5' fine grained brown volcanic with qtz veinlets calcite 2. 5-6.5' brown 3. 6.5-8' (minor green) volcanic w/ qtz veinlets [illegible] cf interval is 1' [illegible] 3. [illegible] volcanic brown with 3' - 1.5' qtz veins and veinlets



4. qtz vein (unsampled) with tex work structures 1' thick vein. sample taken 6.5' - 8' of the stope hanging wall

strike - 145°

of vein

T10 R14 S6 center section 20 Nov 81

Silverfill conglomerate - [illegible]

taken across 4 distinct [illegible] (5) 0-2'

[illegible] fine-med grain pebbles

range in size from grit - pebbles

poorly sorted, well packed pebbles

sub rounded heterogeneous [illegible] to [illegible]

[illegible] (6) 0-4' fine-med pebble

mod sorted - packed pebbles sub-

well rounded heterogeneous origin

(7) fine-med pebbles mixed [illegible]

[#19] well packed poor sorting (8) med

- large pebbles some boulders mixed

source poor sorting well packed

21 Nov 81

Silverfill conglomerate (9) [illegible]

fine & fine-med grain sands 65% pebbles

2% poor sorting, well packed, not [illegible]

picture [#18] weathered yellow [illegible]

at site 0-2

(10) [illegible] / [illegible]

well bicemented carbonate [illegible] with

Fe staining. Sharp [illegible] erosional

between [illegible] and [illegible]

[illegible] sands 50% pebbles 4%

occassional pebble [illegible] [#20]

C 31 sample [illegible] [illegible]

Nov. 81

(11) Lower Mine, Dutch Creek
NW ¼ Sect 3 Manganese with Carbonate
& Black & earthy. Mine ore dumps

(12) Lola Mine
Make Sample grab for Au only
Limonite & Rs with Cu Ox & 10% Hem.

(13) Area behind Gold Crown
on claim Latest #18
with Opal & Green chalcedony
on graphitic Latite.

(14) As Above with Green chalcedony
prominently, SW, SE, NW Sect. 13
19N & 20W

(15) [illegible] Silicified tuffaceous
breccia white altered material hydrolytic
possible volcanic? Channel sample [illegible]
[illegible] pit [illegible] Mn [illegible]
surrounding area

21 Nov 51

(16) Silicified (cut) red + black rock 35%
specular hematite grab sample taken
over an outcrop area of 20' x 25'
#22 test pit below sampled area has
possible Cu stains on face

(17) red + black stained hematite cut
in test pit. channel sample [illegible]
can't rib near face. 25% hematite
possible Cu staining on floor near face

(18) [illegible] colored hematite rock
grab sample abundant Cu [illegible]
[illegible] specimen [illegible]
to 10' in diameter

(19) lt. green highly sheared material
with abundant qtz + feldspar rich angular
clasts. 3' channel sample taken from
purple pebbly mudstone to siltstone

(20) dark purple pebbly mudstone
possible agglomerate? 2' channel sample
taken immediately below unconformable
contact of purple mudstone / lt. green material

(21) lt. purple mudstone (cutbank) consists
2' channel sample ½ 3' down in x-section
from mudstone / lt. green material

(22) Bluish, shaved, abundant [illegible] coating. Sample tested for Au, Ba + Mn, Ag. Medium grain, very crumbly.

#19 ← lt green silicified mat.

carbonaceous

dark purple → #20 mat.

#21 white, pink + feldspar rock

#22 dark black crumbly Mn mat.

See Photo of #19, 20, 21 + 22

(23) Grab sample across black brecciated limestone in contact with red T chert. Wash traces Au Ag Mn

red Tow

Photo # 23

black brecciated limestone

(24) 5' channel sample taken immediately above contact of brown + gray + red carbonate / clay mud. Sample is a fractured mineralized limestone.

(25) dark green highly altered chlorite-qtz-hematite-feldspar material, which is extremely sheared. Grab sample [illegible] unit. 2.5'

(26) 5' channel sample of buff colored hematite which lies immediately below green unit.

#24

#25

#26

Photo of Sample site #24, 25 + 26

Samples 27-52 Exploration Trench

(27) Red + Green very brecciated qtz vein at foot of outcrop in exploration trench. Center of Ag E #15 2.5' channel sample

(28) Green + brown very brecciated qtz vein 5' North of site 27 2.5' channel sample.

(29) hematitic rich qtz, brecciated 10' N of #27 2.5' chan. sam.

(30) same as above, only sample takes 5' above #29

(31) Red + Green brecciated qtz - chlorite 5' N of #27

(32) Red + Green brecciated qtz - chl. 5' above #31

Z.S' channel samples (cont.)

(33) Green + Red brecciated chl - qtz 20' N of #27

(34) Same as above only 5' above #33

(35) Red + Green brecciated chl-qtz 25' N of #27

(36) Same as above only 5' higher qtz is very vuggy.

(37) Same as above ... 30' N of #27

(38) Ditto ...

(39) Red stained qtz minor chlorite 35' N of #27

(40) Same as above 5' higher than #39

(41) Green + red chlorite - minor minor qtz 40' N of #27

(42) Same as above ... 5' higher than #41

(43) Same as above, near carbonate contact 45' N of #27

(44) Ditto ... 5' higher than #43

(45) Red + Green chl-qtz schist 5' E of #43

(46) Same as above ... 50' N of #27

(47) Ditto ... 5' higher than #27

(48) Red + Green chl minor near V-shaped fault

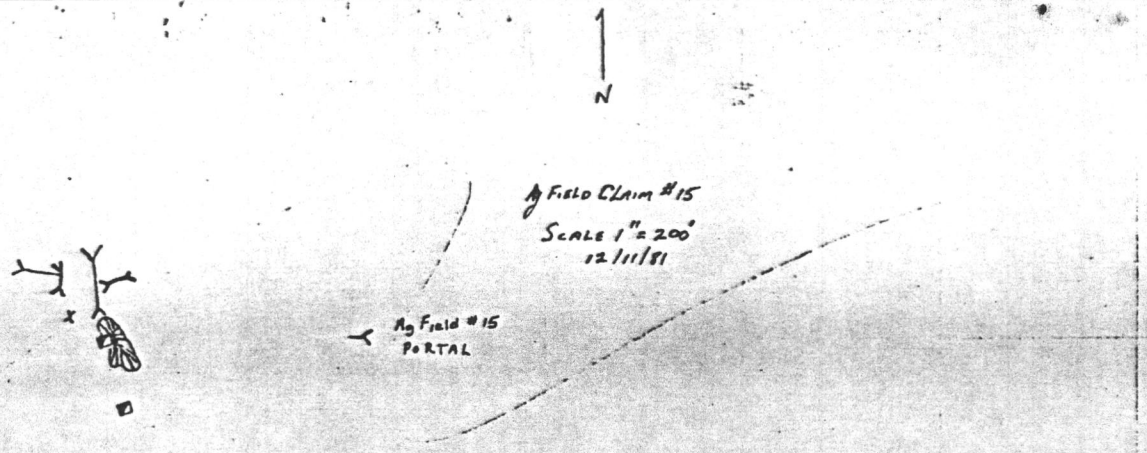
(49) Gray carbonate abundant hairline fractures 55' N of #27

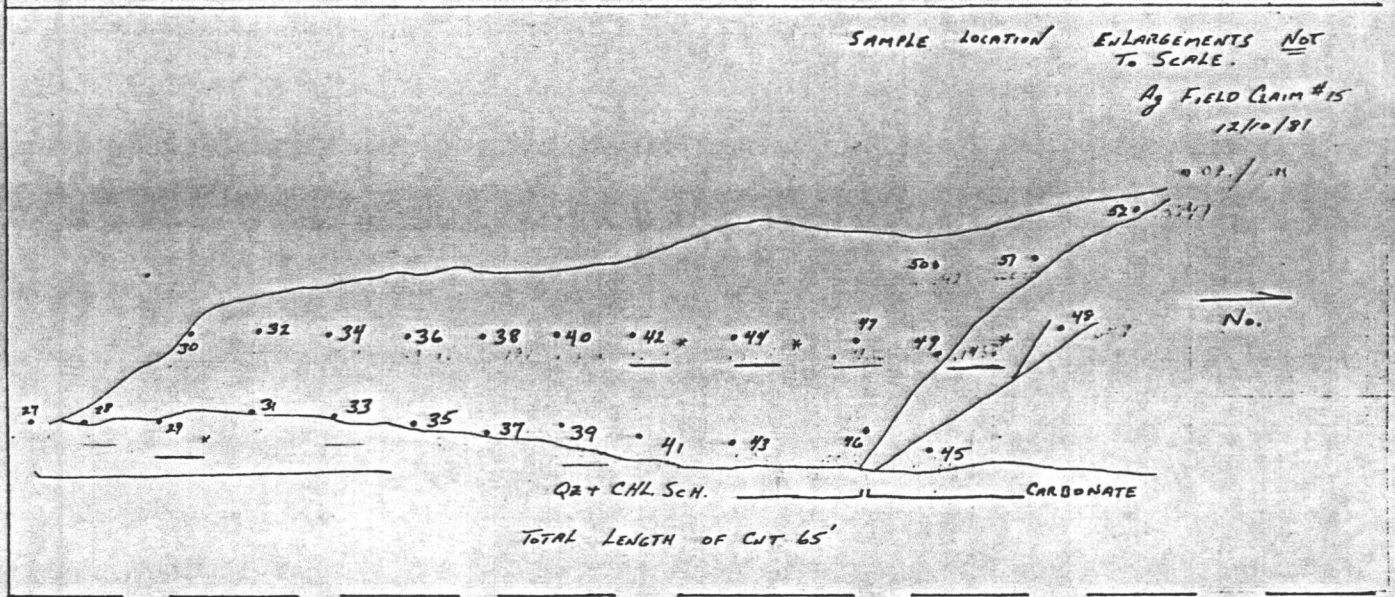
(50) Granular chl brecciated 5' above #49

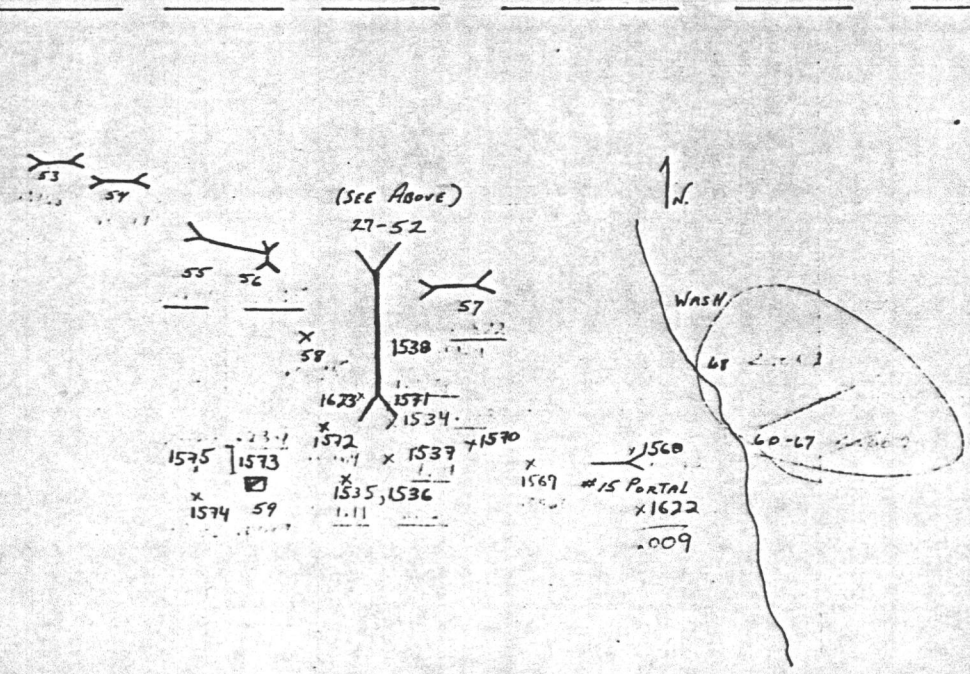
(51) Red + green minor, stained 60' N of sample #27

(52) Gray carbonate, red + green schist 65' N of #27

End of trench sampling.

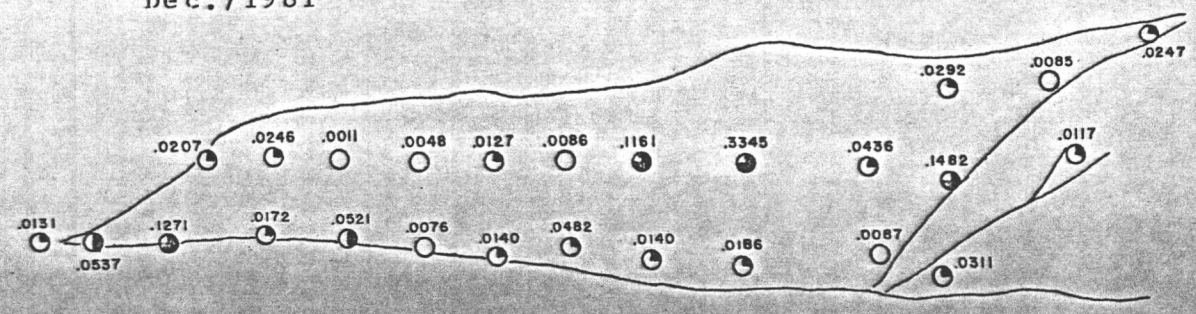

N
Ag Field Claim #15
Scale 1" = 200'
12/11/81
Ag Field #15
Portal


Sample Location Enlargements Not To Scale.
Ag Field Claim #15
12/10/81
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
No.
Qz + Chl. Sch.
Carbonate
Total Length of Cut 65'


53
54
(See Above)
27-52
55
56
57
58
1538
1623
1571
1534
1572
1537
1570
1575
1573
1535, 1536
1569
1560
#15 Portal
1622
.009
1574
59
N.
Wash
68
60-67

Silverfield #15

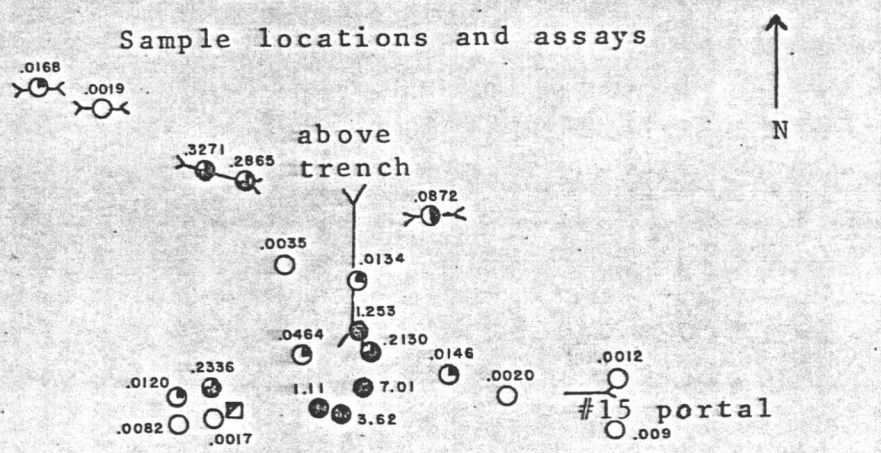
Main Trench
Sample locations and assays
Dec./1981



length of trench 65 feet

Surface Sketch

Sample locations and assays

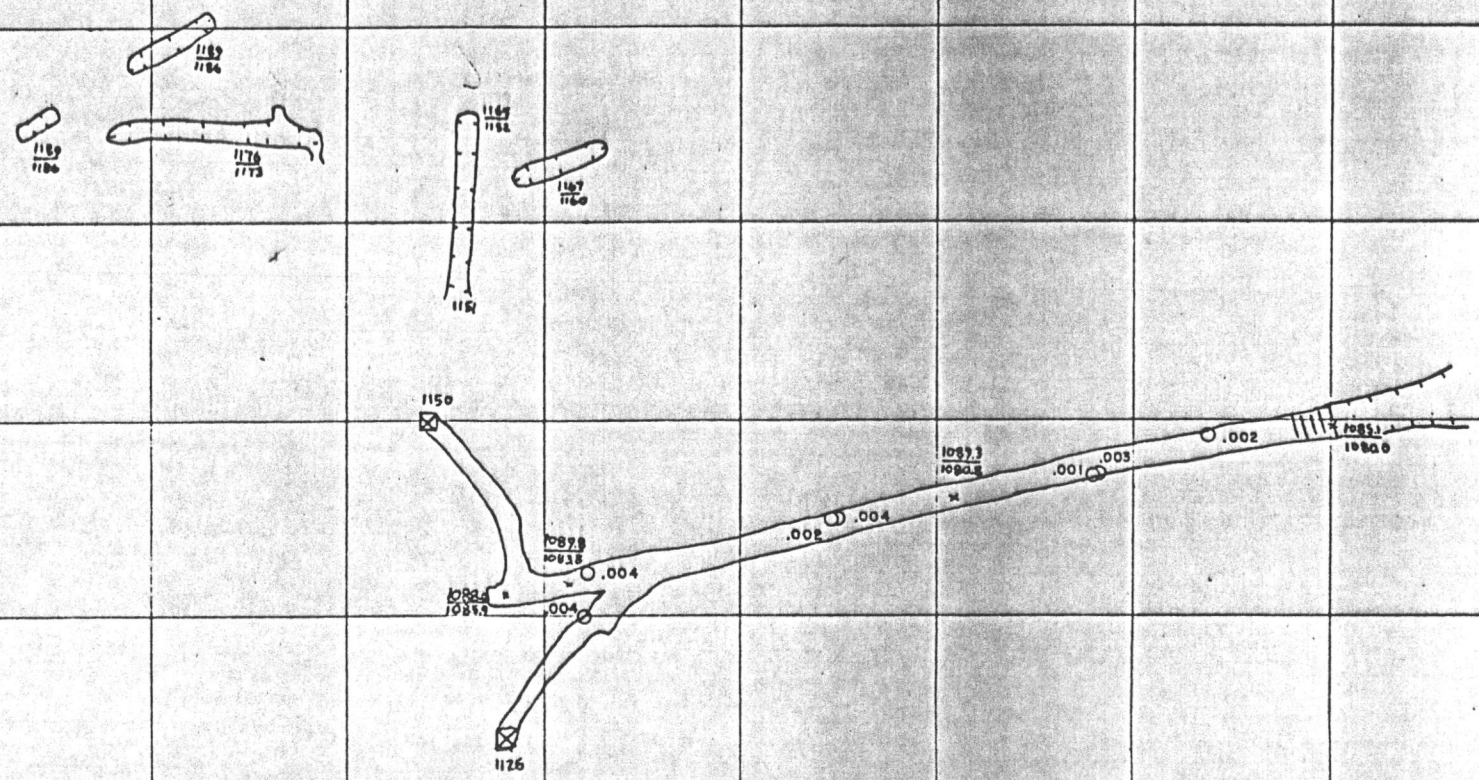


(not to scale)

Explanation

- >0.5 oz/T Au
- 0.1 to 0.5
- 0.05 to 0.1
- 0.01 to 0.05
- <0.01 oz/T Au

Actual gold values in oz/ton are noted by the sample location.



○ .004
SAMPLE LOCATION
Au oz/ton

× 1088.0 / 1085.9
SURVEY LOCATION
top & bottom elevations
in feet

N

ANSCHUTZ MINING
CORPORATION

SILVERFIELD #15
Brunton & Tape
Survey

1" = 50' 3/21/82

53 through 59 samples taken center of Ag Field #15 near exploration trench.

(53) dump sample red, purple, brown altered rock 10'x6'.

(54) dump sample red, green, brown material very brecciated + siliceous 15'x5'

(55) dump sample 15'x7' red + brown + purple siliceous rock some chlorite.

(56) dump sample 15'x7' brown, minor purple siliceous material minor chlorite.

(57) dump sample 10'x10' red, yellow, purple, etc.

(58) dump sample 10'x5' qtz + chl + red material

(59) 3' channel sample red-brown qtz vein

60-69 taken from SW CORNER KISS #33

(60) Buff - gray carbonate highly silicified + brecciated grab sample 2' away from carb/hematite contact

(61) Purple, brown, red + white silicified [illegible] material 4' channel sample.

(62) Brown, red + white, brecciated mineral heavily silicified 3' channel sample.

(63) Purple putty mudstone, very hematite rich, 2' channel sample down from carb/hematite contact.

(64) Purple, red, brown + white well brecciated moderately silicified material 3' channel sample

(65) Grab sample shows debris slope of purple, red, brown + white material, minor qtz vein material.

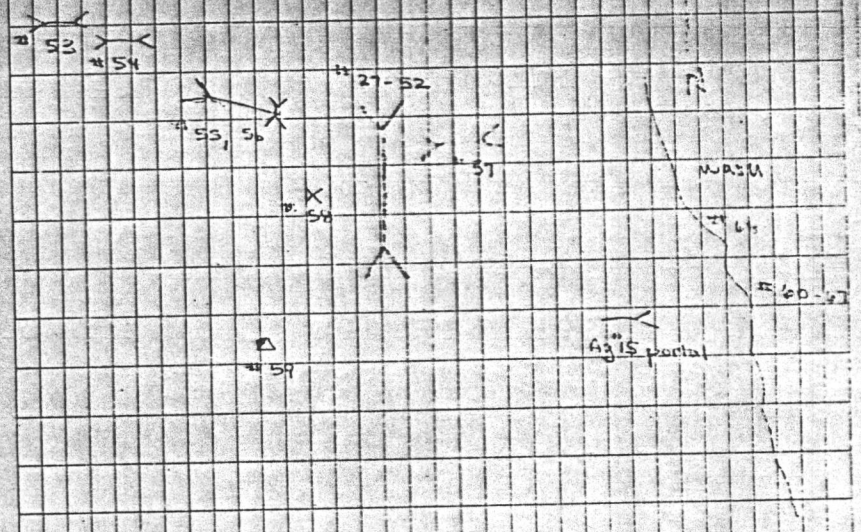
samples #60 - #63 See photos
and #61, 62, 64, 65, 66

(166) soil sample from obvious slope wash of alteration material 3' above stream bed.

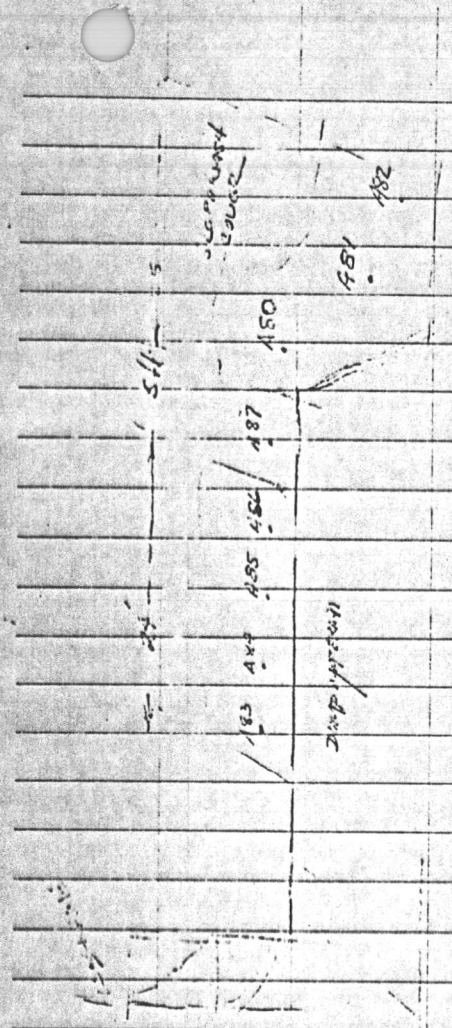
(167) Red + dark green brecciated material 6' grab sample 30' downslope of carbonate contact.

(168) Brown, red + dark green brecciated material 6' west of strongly altered outcrop. 21 channel samples.

Units 53 thru 59 location map



(169) Possible Qtz. Monzonite? with [illegible] qtz veinlets dark green to green colored. 51 channel samples. (See field notes)



[illegible]

[illegible] Tues, 1952

[illegible]

[illegible]

[illegible] TO THE RISK

[illegible]

Dec 19, 1952

A-80 Sec 5 T 10N R 14W, just north of the [illegible] 7' wide sample, 25' vein

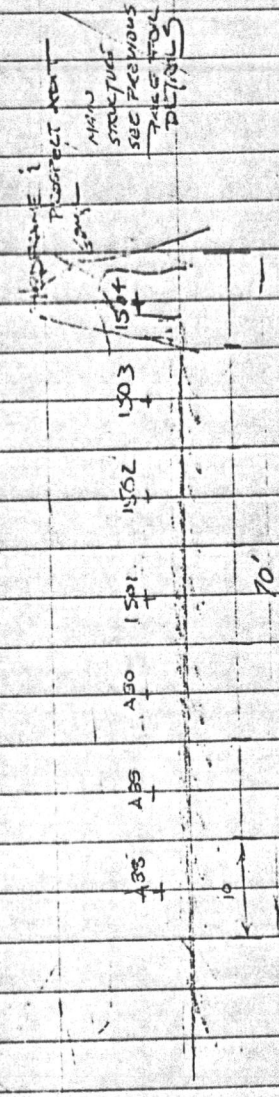
A81 S.5, T10N, R14W pl gray-green, silicic-phyllic altered vein(?) intermixed, trace sericite, some ~<5% specular hematite, tr chlo, no visible sulf

A82 Fine-Med. biotite-augm gneiss, chlorite, trace sericite, hematite, silicified

A83 to A86 Red-cream gouge, breccia frag up to 1", silicic clay, sericite, hematite, phyllic-silicic alteration

A87 Dk gray to black silicic breccia, lse clay included

SEC 5 TION RIAW



1.20.1982

SEC 5 TION RIAW @ MINE SHAFT - SEE DRAWING

1.88 RED SILICA CLAY VEIN(?) MATERIAL, HEMATITE

A89 RED-GRAY QTZ VEIN, HEM - LIMY, SPEZ MIN STRINGERS

A90 Red-Brn Silica breccia

1501 Red Brn Qtz Breccia

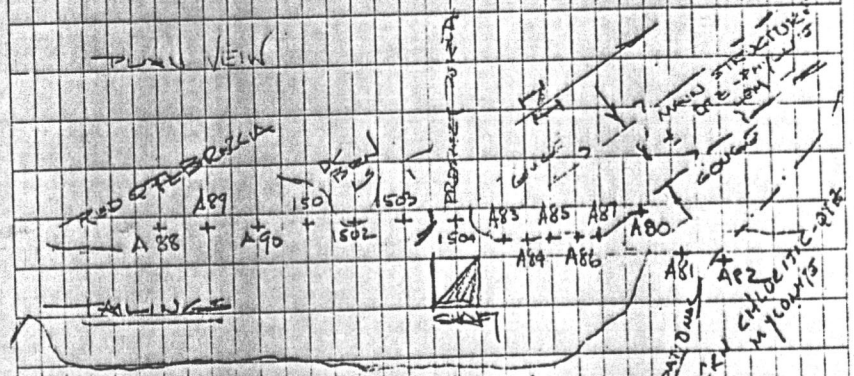
1502 Lt. dk Brn, silic.

Red to yellow gouge

Qtz Breccia, Red, Brn, FRAG up to 1 in, angular

1503 do above

1504 RED QTZ BRECCIA, + GRAY QTZ GOUGE



APPROX DEPTH OF SHAFT EST. @ 150' ±

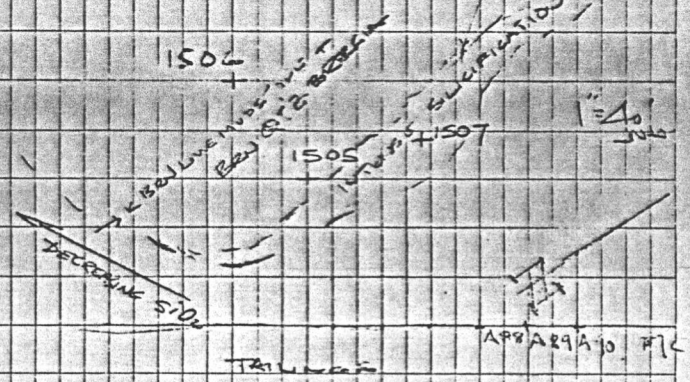
SEC 5 TION RIAW

1505 DK BRN QTZ BRECCIA,

TR. LIM, MNO, PATINA, MINOR OX WORK

SOMEWHAT FROTHY LOCALLY

1506 AS ABOVE, IN PREDOM. LS.



1507 QTZ BRECCIA, WHITE TO DK BRN IN DK BRN

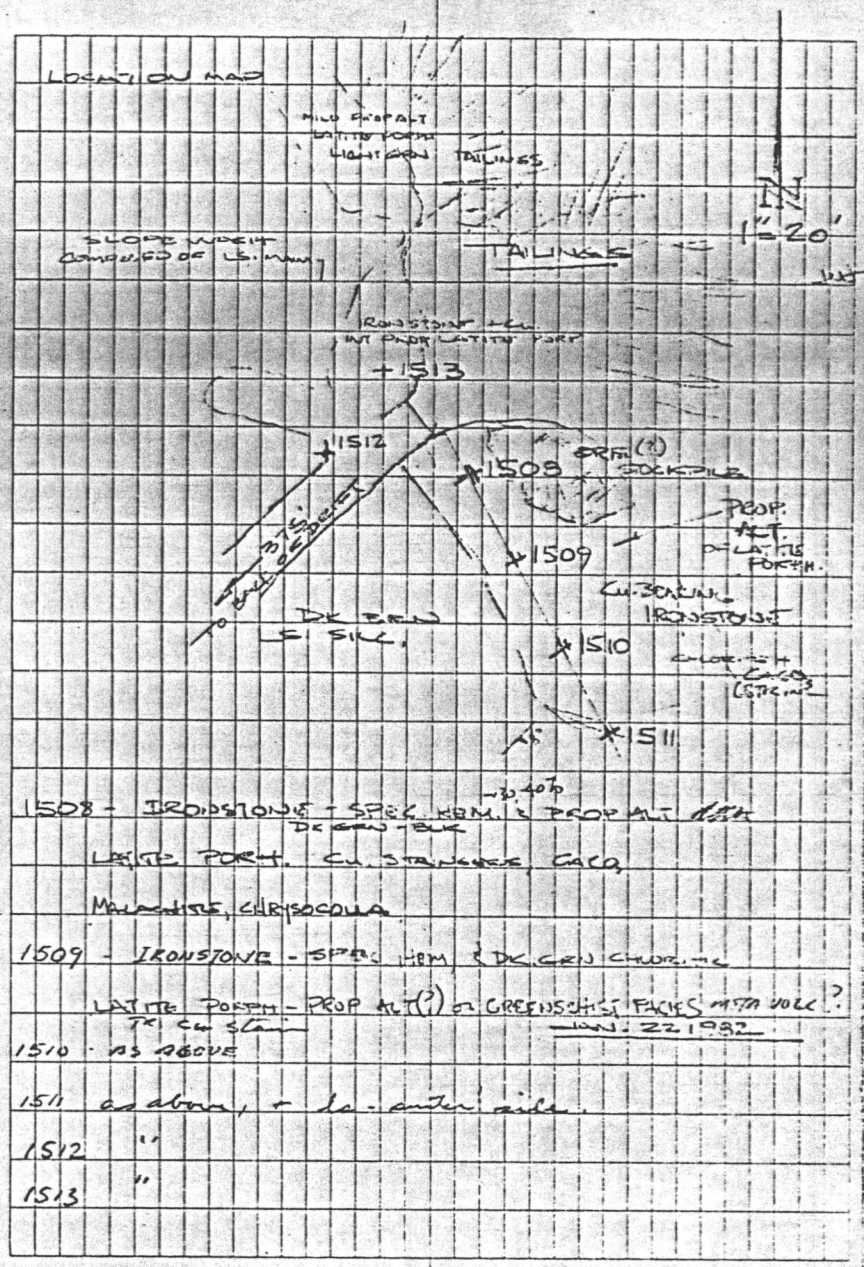
LS. HOST — INTENSE SILIC.; LOCAL MALACHITE TR.

SEC. 5

T. 0 N. R. 14 W. MINE TO THE NORTH OF FIRST SAMPLE LOCATION

JUST SOUTH IN 300-400 ft of the SECTION

CORNER



1508 - IRONSTONE - SPEC. HEM. & PROP ALT
DK GRN - BLK
LATITE PORPH. CU. STAINING, CACO3
MALACHITE, CHRYSOCOLLA

1509 - IRONSTONE - SPEC HEM & DK. GRN CHLORITIC
LATITE PORPH - PROP ALT(?) or GREENSCHIST FACIES METAVOLC ?
TR Cu STAIN
JAN. 22 1982

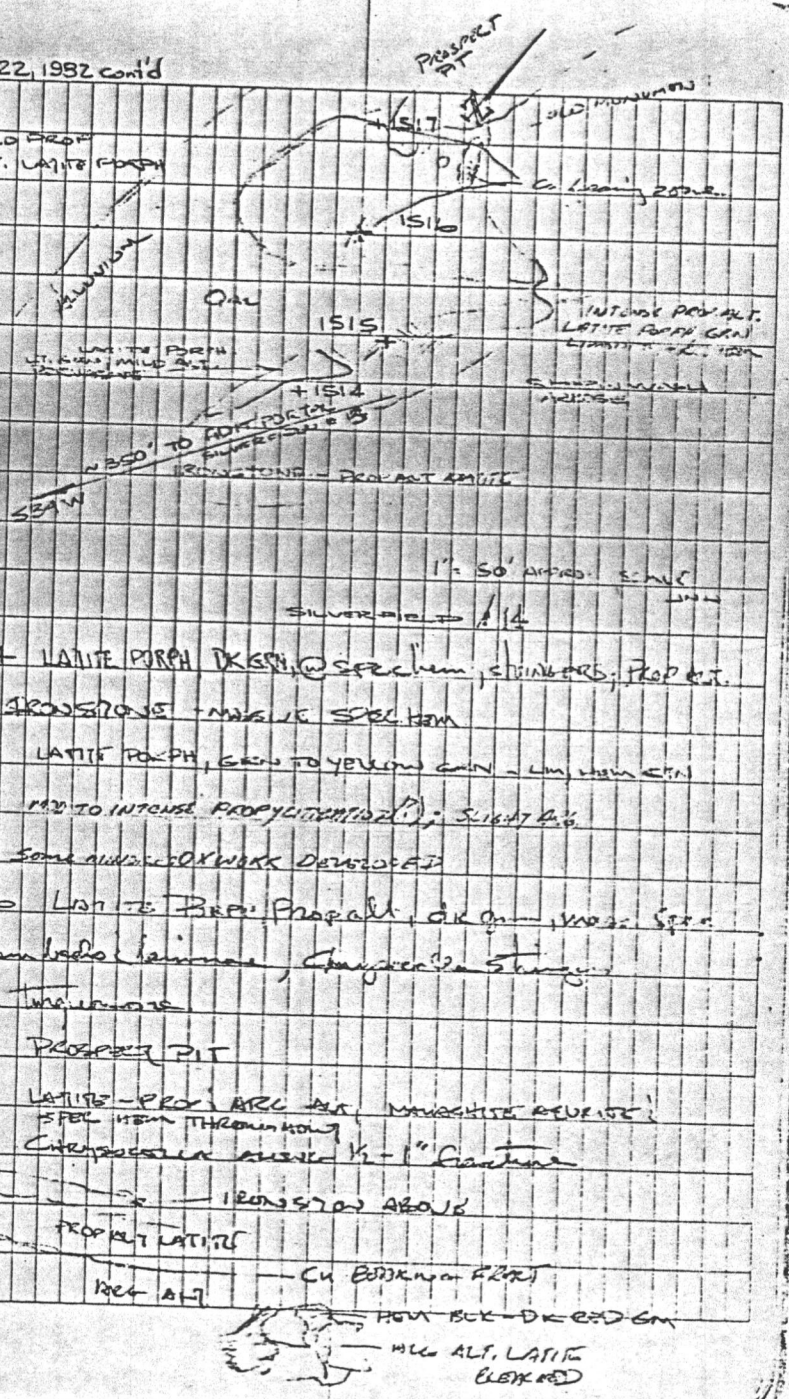
1510 - AS ABOVE

1511 as above, + la. antler side.

1512 "

1513 "

Jun. 22, 1982 cont'd



1514 LATITE PORPH, DK GRN, w SPEC hem, stringers, prop alt.
IRONSTONE - MASSIVE SPEC HEM

1515 LATITE PORPH, GRN TO YELLOW GRN - LIM, HEM STN
MOD TO INTENSE PROPYLITIZATION (?); SLIGHT Qtz.
SOME ALUNITE? OXWORK DESTROYED

1516 LATITE PORPH, Prop alt, OK Qtz, MOD. SPEC hem bands, laminae, Chalcopyrite stringers to trace

1517 PROSPECT PIT
LATITE - PROP. ARG ALT, MARCASITE REPLACE; SPEC HEM THROUGHOUT
CHALCOPYRITE ABUNDANT ½ - 1" fracture
IRONSTONE ABOVE
PROP ALT LATITE
ROCK ALT — CU BEARING ROCK
MOD BLK - DK RED GRN
MILD ALT. LATITE BLEACHED

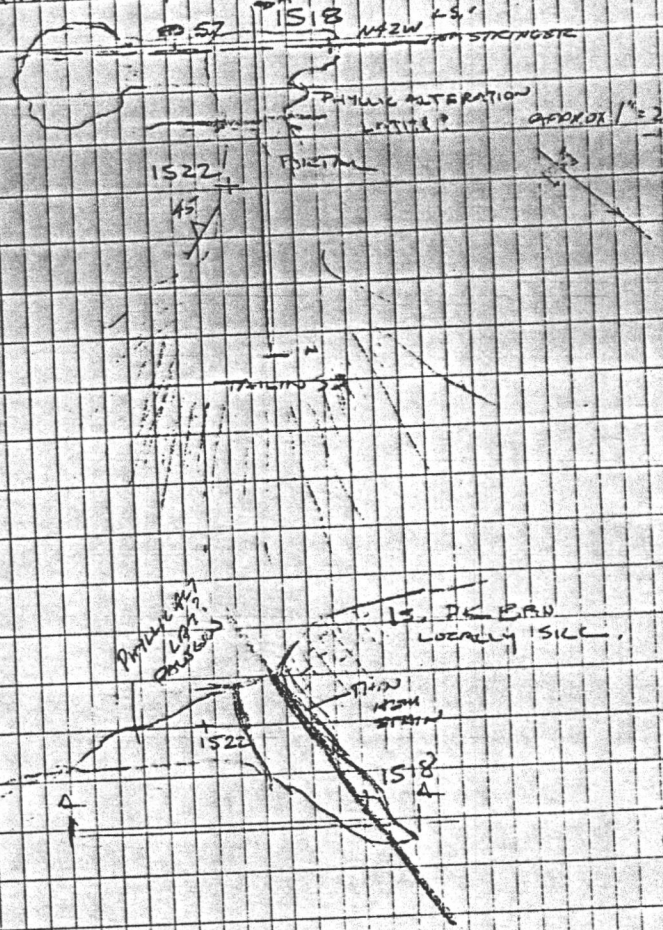
1-22-82

1518 - PHYLLIC - SRC. ALT VOLC @ [illegible] small

red hem change ~ 3" wide, mainly stain

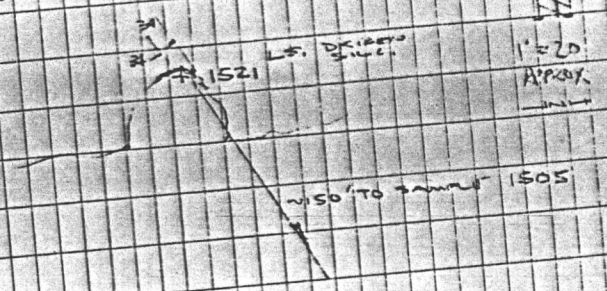
on fracture SERICITE - CLAY, PRIMARY

& PERVASIVE, PALE GRAY GRN



JAN 23, 1982
COOL, CLEAR
FROST ON GRND.

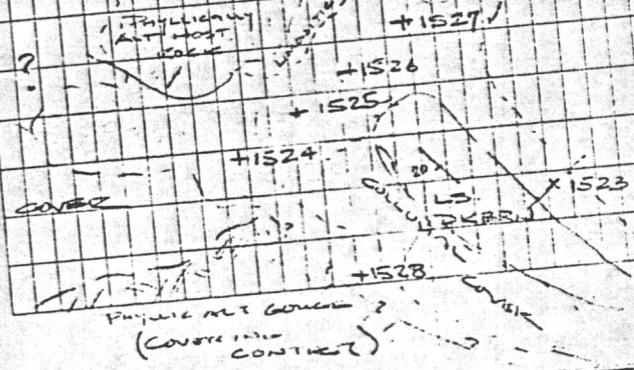
1521 LIMESTONE, DK GRY, SILC., N33W 5 34SW
DOLOM., PYR, SiO2 [illegible]
SMALL QTZ VEINS ~ 2-3" thick bearing, mostly dip N 40-50°
white, slight green, frost, some brecciation
[illegible] THROUGH QTZ VEINING
VEINS DEVELOPED ALONG APPARENT BEDDING
MINIMAL EXTENT — 1 + 2



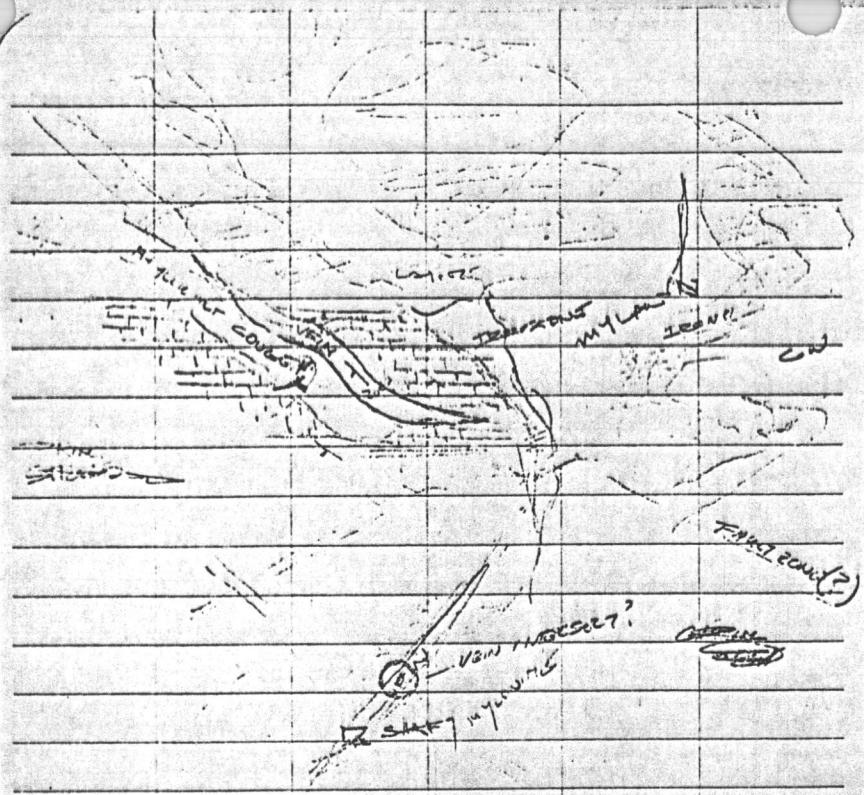
1522 PHYLLITE SCHIST, DARK GRN-SILVER SPT-ARG
FOL. NOSE 45SE
@ Middle top of hill, SEE PREVIOUS PAGE

1523 QTZ VEIN, ~10' WIDE, PINK TO WHITE CHALCEDONY
TRUNCATED, TR. HEM; LS. DK GRN WHITE [illegible]
VEIN EXTENDS ABOUT 75' to [illegible] APPEARS THINNER & QTZ FOLDED DIKE
LOW & COVERED MAKES THICKNESS
MEASUREMENTS DIFFICULT N38W VERT?

NOTE: MOST OF THIS SITE IS COVERED



MINS FOOTWALL



JAN 23 1982

1524 QTZ BRECCIA, WHITE TO GREY, TRIDIMITE + CHRYSTOBALITE(?) MIN. SPHL HEM. STRINGERS 1/4 STR.

1525 AS ABOVE + MINOR BARITE ON FRACTURES

1526 " "

1527 AS ABOVE + LIM. STAINED

1528 GRAY + WHITE QTZ BRECCIA

1529 QTZ BRECCIA (GRAY TO WHITE) SOME SERICITE + HEMATITE ON FRACTURES: PROSPECT PIT + VEIN!

MINOR CU STAINING

SEC. 31 T. 11 S. R. 5 W.

1530 AS ABOVE

1531 AS ABOVE — AT PROSPECT PIT

1532 } SEE D. LEWIS' NOTES
1533 }

Dec 4, 1981
SUNNY, COOL

@ SILVERHEAD #15

1534: QTZ NORMAL, WHITE TO SILKY GRY.
QTZ-SER ALT., BRN LIM, BOX HEM, SPR LEED, up to 1/4" x 1/8"
EUCON FROM MATERIAL ABOVE EUCON #15

1535 @ Similar $CaCO_3$ - QTZ pale brown
some lim, SiO_2 white - buff - tan

1536 Bull Qtz with green (Fe_2S_3) hematite
[illegible] lim - 50-50 gray - cyan
hem box work after Fe_2S_3? - appearance cubic
drum water 3/4" in pan, gangue, Free Au < 1/2 mm/dm
QTZ, white rim
QTZ-SERICITE ALT.
HEM PREED to BLK
BOX WK. cubic, + Free Au [illegible]

Same as 1536

1533

1534 ASPLIX LIM MAB
UNSCRAT

1537

1535 1536

1537 QTZ - HEM BRECCIA (gossan) LIM - ORG-RD (BRN), TR. of Lim - goeth'l

predom; slick sid on one face, Au bearing

BRECCIA FRAG SUBANG - SUBRND, WHITE BULL QTZ - to gy (pale brn)

amphib. 2/3 x 1/3 (pale)

size up to 1/4 x 1/2 inch, held together by

clay - sericite - gty gouge - phy NEO alt

fracl. stained fragments have dk red hematite

on fracs

Some of the breccia frag appear to

be quartz - feld - pt lim gneiss, recrystal

remnant

hematite - box work - phantom - goethite (?) box work

qtz 2 - macro - approx dimay - to some Cl

gelatinous mass - some from the obs crystals

dimay hematite - limon material

breccia frag - gouge - hematite box material

slickensides

Sample 1537

HEM + LIM bearing zone

Au up to + 1/4 mm

hematite box - vertical, thin dess box, - spacy texture

slickensides - vile, diffusion control, motacrill.

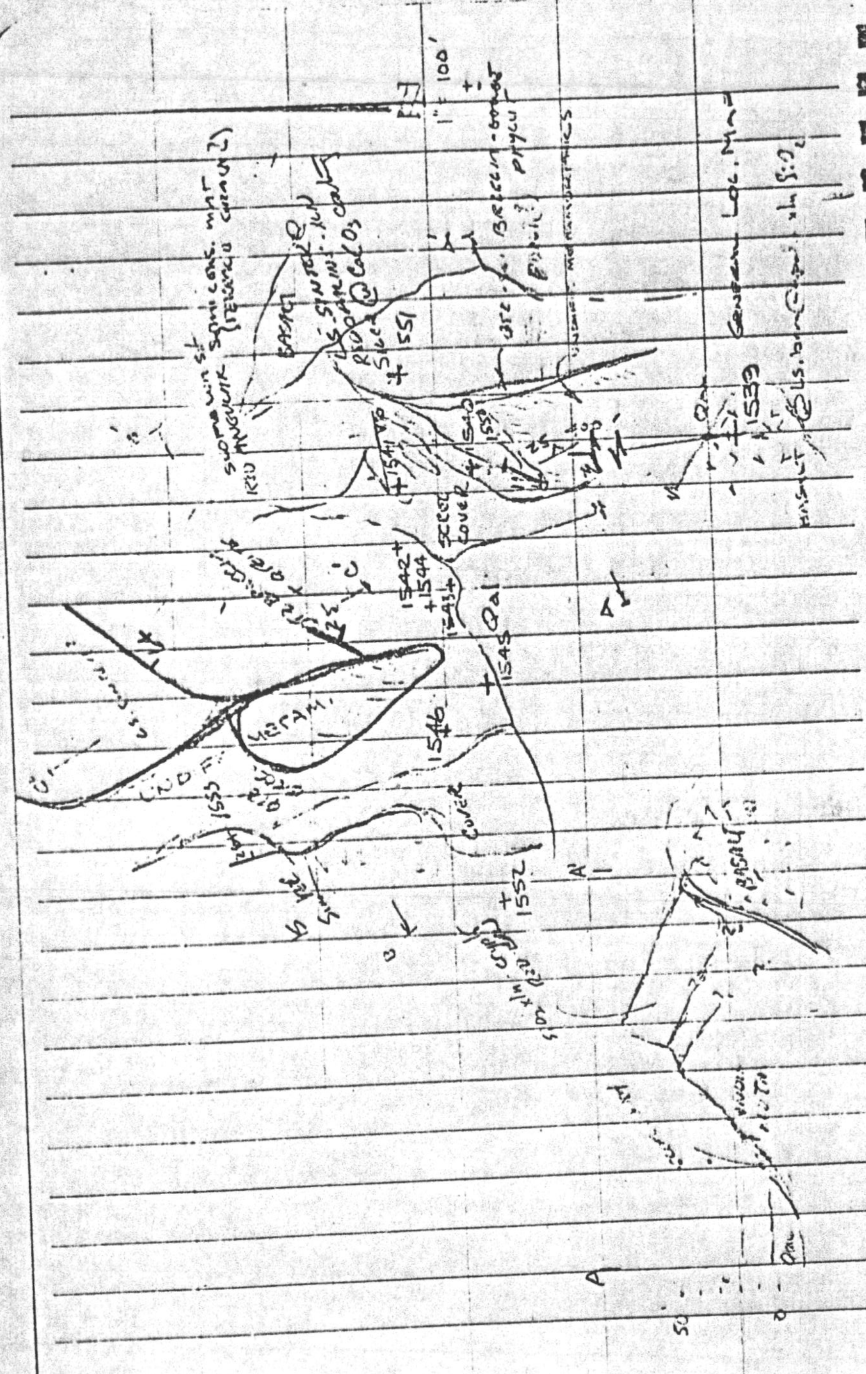
striations

1538 QTZ - SERIC HEM BRECC. WIT PINK-RED

somewhat dimay any, brown frag up to 1/2 in

almost spongy texture of gouge - see limon

main jasperoid



FEB. 5, 19
PARTLY CLDY, COOL

1539 Basalt, v.f. purp. amygdaloidal @ chloritic-lefty nodules
poss some Cu, locally the basic tx obscured
bn. ls. along fract. ... breciated
fragments. local white opaline. ...

1540 QTZ-SEC. GOUGE BRECCIA PALE GRN TO SILVER
SILKY LUSTRE.

1541 SEE ABOVE + tr hem

1542 QTZ BRECCIA WHITE - YEL ... COATINGS ON
BRECC. TR. HEM

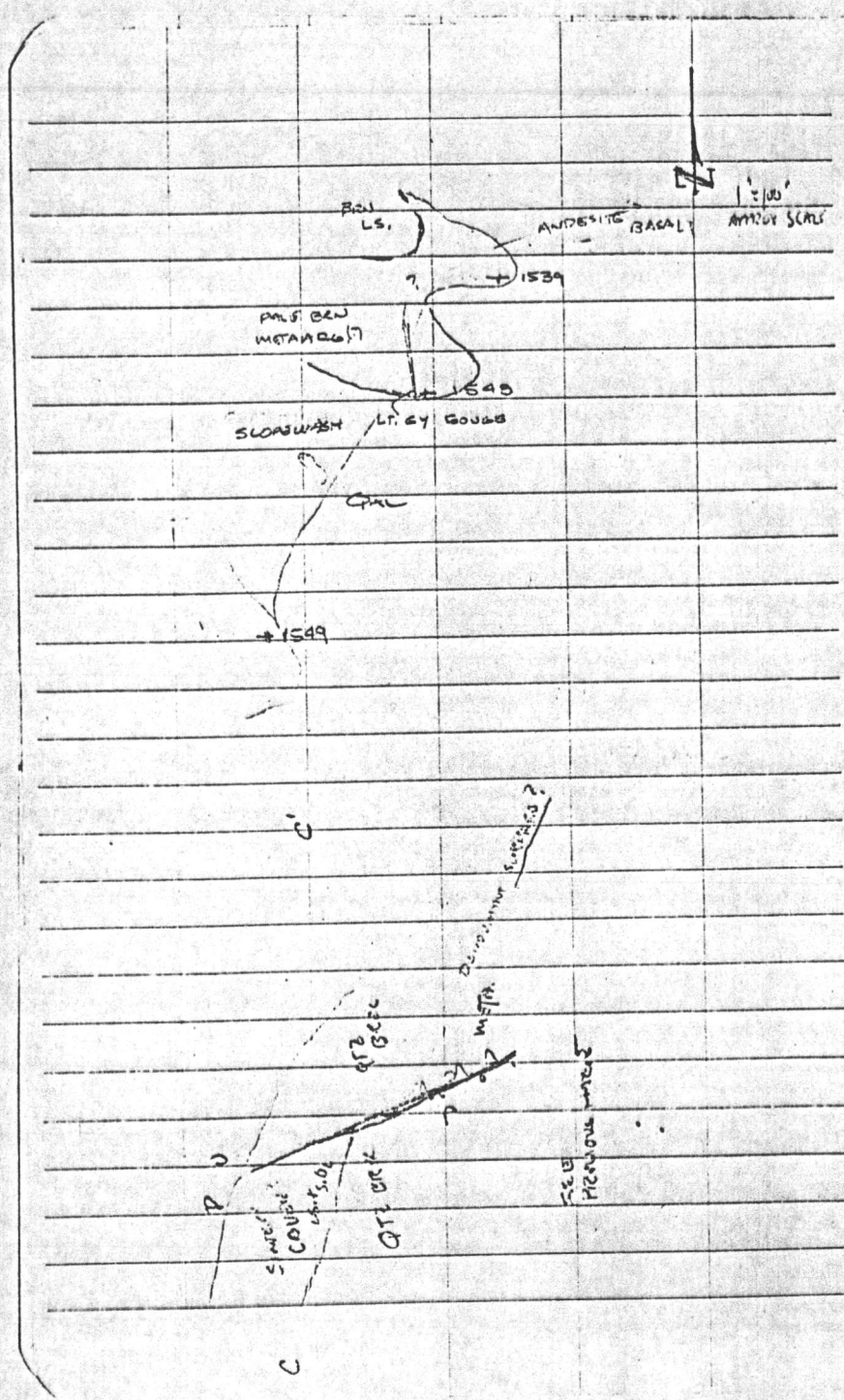
1543 QTZ BRECCIA : WHITE SUBHEDS QTZ FRAGS IN YEL.
gouge - ... local hem in gouge ... on
fract. surfaces. breccia frags up to 1 in

1544 as above + minor purple hem stn on fract.
tr. opaline

1545 as above

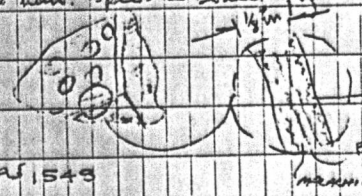
1546 as above, some poly ... alt

1547 - SEE D. LEWIS NOTES



Feb 6, 1982
Sunny

1548 Basalt (Andesite?) black-brn amygdaloidal, ⊙ vugs w 1/4 - 3/4", epidotized, lightly (dk grn mnl?) chlorite + prob. some malachite extremely fractured, fractures coated with col'lg fine gtz, white - brn xln, xlo w 1/4 mm. + malachite & minor brn $CaCO_3$, mild prop alt - not pervasive, ⊙ small (<1 mm) hem. specs in some gtz - <1%, prob. refl. FeS_2



sample 1549

1549 Andesite (Basalt?) buff - dk brn, see above

1550 Siliceous meta gray black chert

1551 ls. pale/cl to white, crypt xln SiO_2, ⊙ brn $CaCO_3$ coating, opaline - preserved, dina hem veinlets cut by $CaCO_3$. - sinter?

1552 Qtz. white to yellow, brownish - red frags jam + tr. hem on fract. surf. minor sericite local hem. blebs

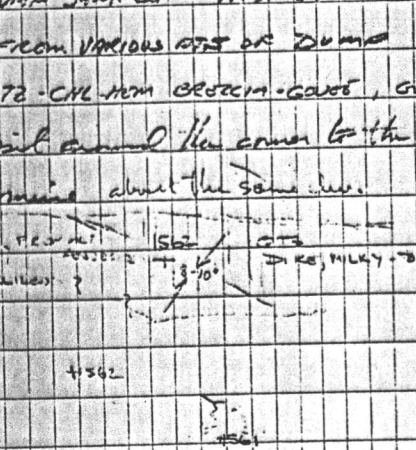
1553 Ls. sinter, lt brn - dk brn, fine, recrystallized, hem on ans broch frags, upto 7/8, opaline white 3" x 3/4" locally, tr chlorite close to contact (?) w fault surface other crypt - crypt white qtz stringers locally small vugs filled w 1/4 mm - pyrite removed?

1554 Qtz - stockworks, pale pk - brn ⊙ lt. brn $CaCO_3$ stringers upto 1/4 in; intensely fract, recemented clasts, hard, cherty - crypt xln qtz.

FEB. 3, 1982
CLOY, WASH.

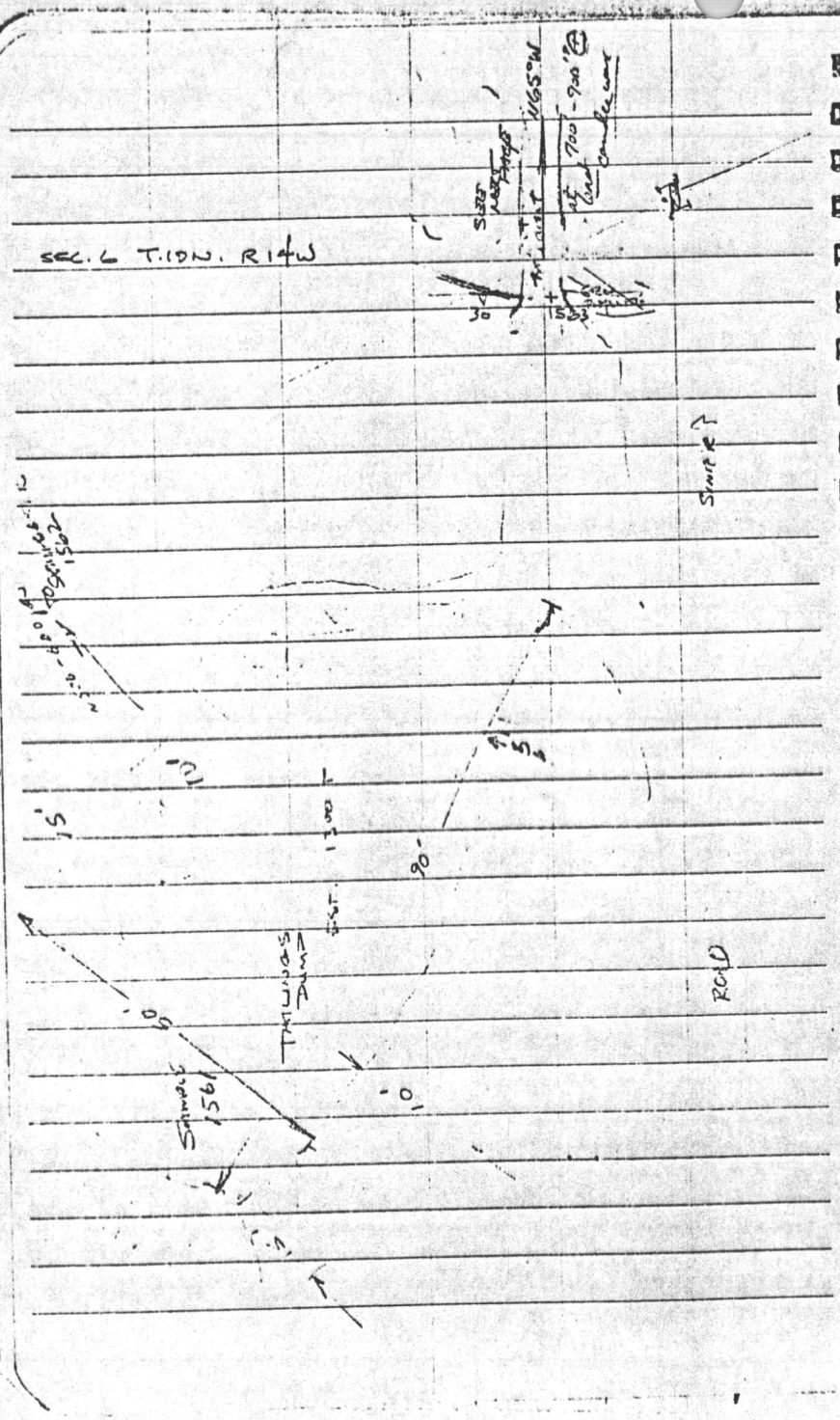
1561 DUMP SAMPLES -- [illegible] VEIN(?) QTZ
FROM VARIOUS PTS OF DUMP

1562 QTZ - CHL - HEM BRECCIA - GOUGE, GRAY BLK mottled
@ pit [illegible] the corner of the S.W. from
the house about the same line.



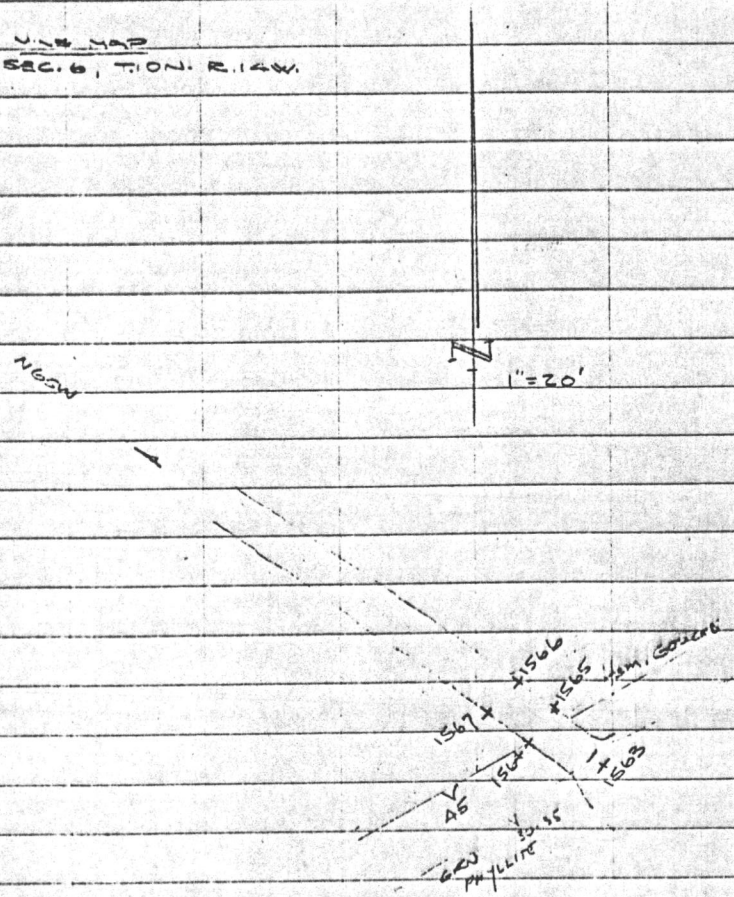
1563 PHYLLITE - GOUGE GRN, SER - [illegible]
RD - MOTTLE, GRN WHITE
1564 GOUGE CONT 240°, 45° 130, 145FT - MOTTLE
ARG. BARN CLY - SERI
1565 GOUGE @ adit
1566 QTZ STRINGER in GOUGE
1567 " " " " + dike in LS.

SEC. 6 T.10N. R14W

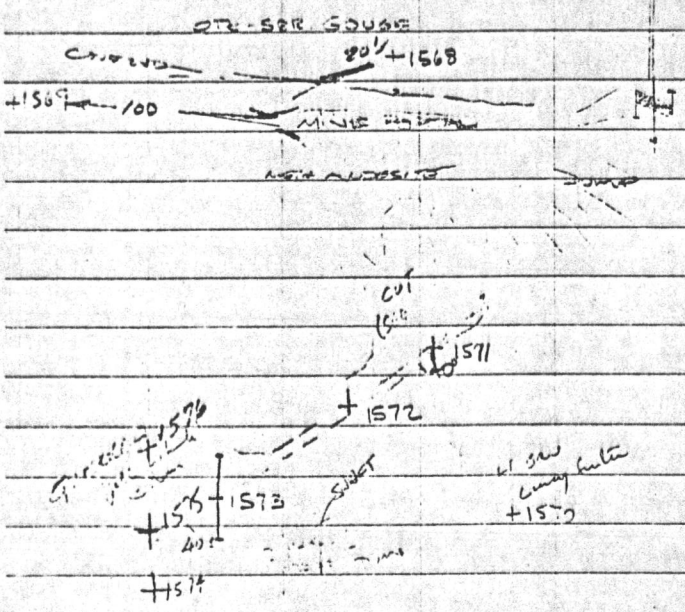


Feb. 9, 1982
aoj

VIEW MAP
SEC. 6, T.10N. R.14W.



SEE DETAILED PAGES FOR MINEMAP NOTES



February, 17 1982

SUNNY - V WARM

1568 Loc.: N of Portal, Silverfield #15

Sericite - Muscovite + Qtz. dmge.

Sample in white + glassy Qtz vein mat. w/ bleaching bm. ls.,

with abundant pale cinnamon & muscovite

1 - 2% yellow bm.

1569 TOP OF HILL SUBTERRANEAN, GRAB SAMPLE FROM DUMP w/ SPOT

BRECCIA CONGLOMERATE, SUBANG. - ANG. PORT. CHERT & CHLORITE

GRAIN SIZE PRESS w/ 40% in a lt. bm chert - ls

matrix, ext. side. - possibly sinter

TR. bm. some dk. bm ls. frag.

1570 45 SE of Pit + @ top of hill - sinter as above

1571 Big QTZ BRECCIA - Gray - white w/ some bm ls + bm.

Take select in some specimens

1572 2' channel sample on main - gouge - 55 ft. from

1573 7-8' fault sample in qtz breccia w/ bm.

take select few bm. ls' sericite

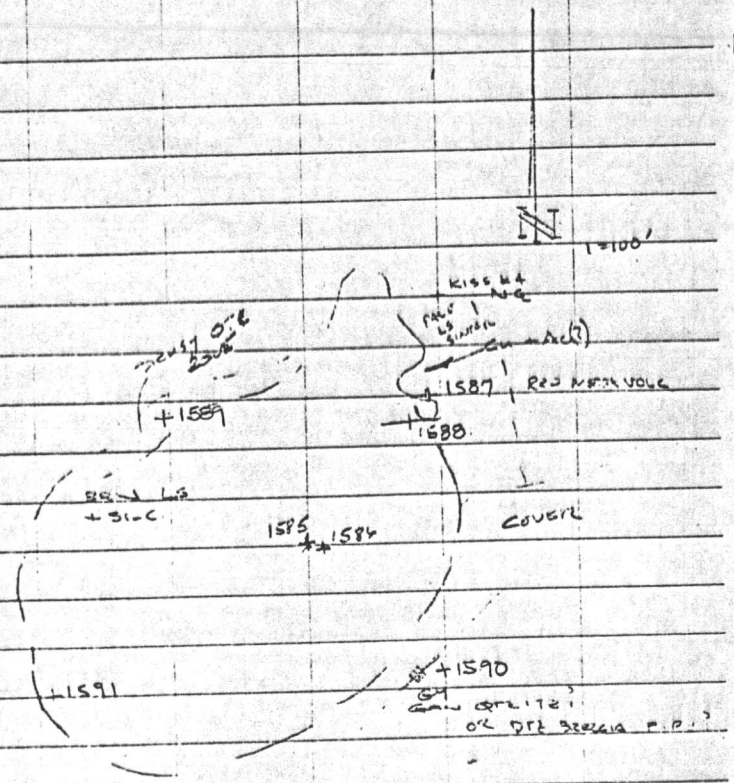
1574 fault channel w 7'-8' agate white

qtz breccia, bm ls' sericite

1575 see above

1576 see above

FEB. 21, 1982
SUNNY, WARM



1581 - SEE DLL

1582 MYLONITE - ULTRAMYLONITE - QTZ, PLAGIC, CHLOR, HEM, DK BLOOD RED TO GRN-BLK, WELL DEVELOP MYLON. FOLIATION.
LOC: APPROX 200' FROM ROAD, CHANNEL GRAB ACROSS 20' x 4' area on outcrop. SEE DLL NOTES FOR MAP LOC.

1583 mylonite? vpaciten sulf. - red - y.b. 20' x 10' hem, lim ~0-2%, qtz ~95%, tr marked S.D., .5% altered FeSi blebs (opaque in hand?)

1584 - Sandstone - ID LL, ~~[illegible]~~ for location on both 20' x 8'

1585 Brn Ls - Sinter, silic, @ FeCO3 hem, ~~[illegible]~~

1586 Red hem. qtz rich silic is limit?

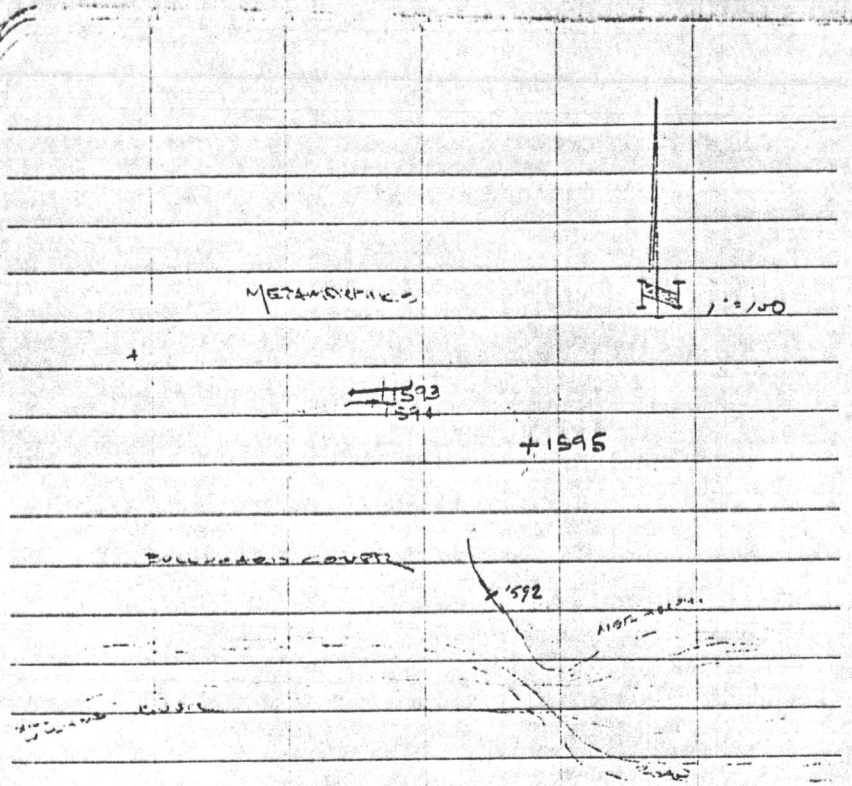
1587 VEIN MAT'L, qtz-brown dark-mult. colors with black hem(?) silver? tang, chrys on east side of sinter

1588 Pebbly sulf

1589 Brecc + Pale gray clouy Qtz

1590 Gray qtz qtzite in Pyrite alt. to hem, poss breccia pipe?

1591 Vesicular brn-blk Ls. - FeCO3



FEB 22, 1982
Sunny warm

1592 LOC: OPTCRA 75' N of stream crossing 4'x8'
PLAG - CHLORITE - QTZ MYLONITE(?) gneiss i
qtz gneiss

1593 5'x8' gray Zone of QTZ-PLAG-CHL. GNEISS; MOTTLED
DARK GRAY & WHITE, TR. EPIDOTE & PHLOGOPITE(?)
QTZ granules upto 5mm, most smaller 1mm
surrounded @ chlor & plag. Probably a mylonite orig.
in greenschist facies.

1594 3x5' gray qtz gneiss - milky white, f-m
@ gneiss w/ qtz to chl. ribbons on fracture, gen. fol.

1595 3x5' grey white gray speckled qtz(?)
nearly homogeneous texture, milky white, cut by
@ veins qtz in minutes & intergranular veins
to 3/8 in.

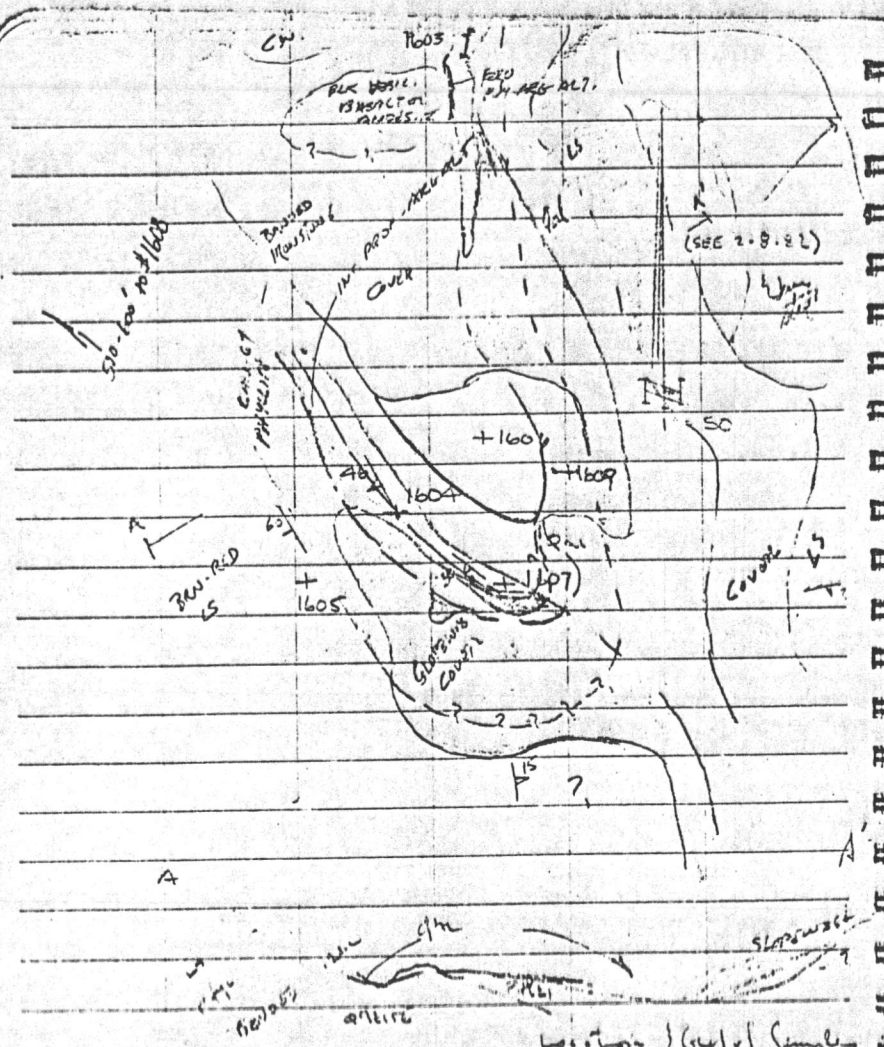
1596-1598 See Dill notes

1599 Blue grey, vtr. lust. - NSOW. FROM BRILLION CLAIM 1981
TOTAL REPRIE

1600 chlorite gneiss @ numerous opaque patches
is @ hem-titanomagnetite ? DLL Sample

1601 Sample from north qtz vein gy. to wht. (a) O, 3%
+ chlorite actinot

1602 Pale gray is see Dill notes



Feb. 23, 1982
Sunny v. wm.

1603 Phyllite Gouge Pale Gy-Grn @ vitreous xln
th - light gray Quartzite ? + 1-2% Spec. Hem.
poss. some ZnS & trace sulfide. alt. overall
is pervasive. Sampled here in Silmfield #12
at intersection of Road & wash. 10' channel sample

1604 Prospect Pit; 5 x 8' random grab, Silmfield #11
Ironstone, yellow grn to blk-red, banded (4-12")
resting on a dense ferruginous silic intermediate
to sericite, Fe_2O_3 up to 90%, lim up to 15%
material is glassy. tr. CuO on some weathered
surfaces, gypsum, <1%, pervasive prop dit.

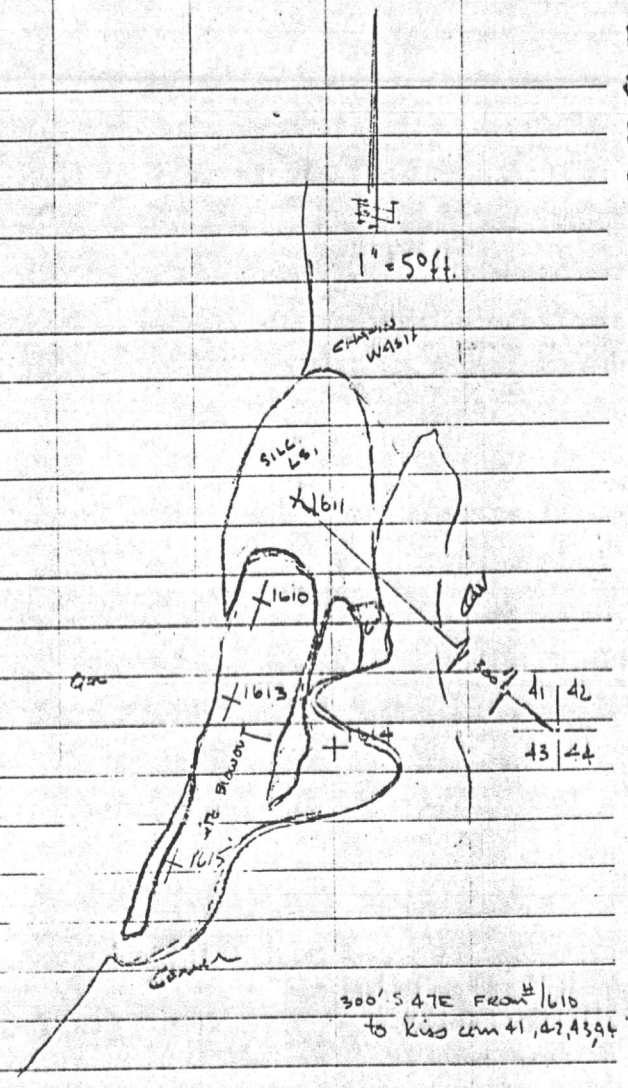
1605 Prospect Pit; face 3x4' random grab Silmfield #11
Bin to Red Bluff: phyllite alt gouge - phyllite
underlying. well sile. alt of lm.

1606 Rock Sample 60' NE of 1604, 5x10' random grab
Dark red-blk mtn core. Subang range of qty & ang. alt fld. up
to 1½" in a dk ferruginous v.f.g. ss matrix pattern hemi
qty. Range up to 35-40%, lim alt lm.

1607 Gray as above, 3x5' random grab

1609 Grn Phyllite, 5 channel sample

1608 White qty. breccia - 10 x 10' grab outcrop, high
Bluffs. Tr of banded Spec hem, sericite



February 24
Cldy - cool

1610 ~300 N 47°W from cm of kiss 41, 42, 43 & 44 on kiss #41
10 x 5' grab
Ore breccia - (blowout?) altered to pale cream to lt. gray
granular - massive - fractured, xln
[illegible] by debris, replacement
1611 See above to debris site, requirement
dense; fresh; 5 x 5 grab
1612 - See DLL
1613 Ore Breccia 10 x 5 grab See 1610
1614 " " 1/3 st 10 x 5 grab " " S. 1611
1615 Ore breccia, 10 x 5 grab See 1610

March 19, 1982

Sample Log

1616

01 - 4' chip sample
lgy lt. grn milonite, highly weathered
hematite/limonite/tr. 2% MgO
blocky weathering pattern
sandy texture

1617

02 - 7' chip sample
less alt unit of above
white clasts & stringers pos. feldspathic

1618

03 - 6½' chip sample
unit below sample A-67
mod alt grn milonite, highly weathered
blocky weathering pat; sandy texture

1619

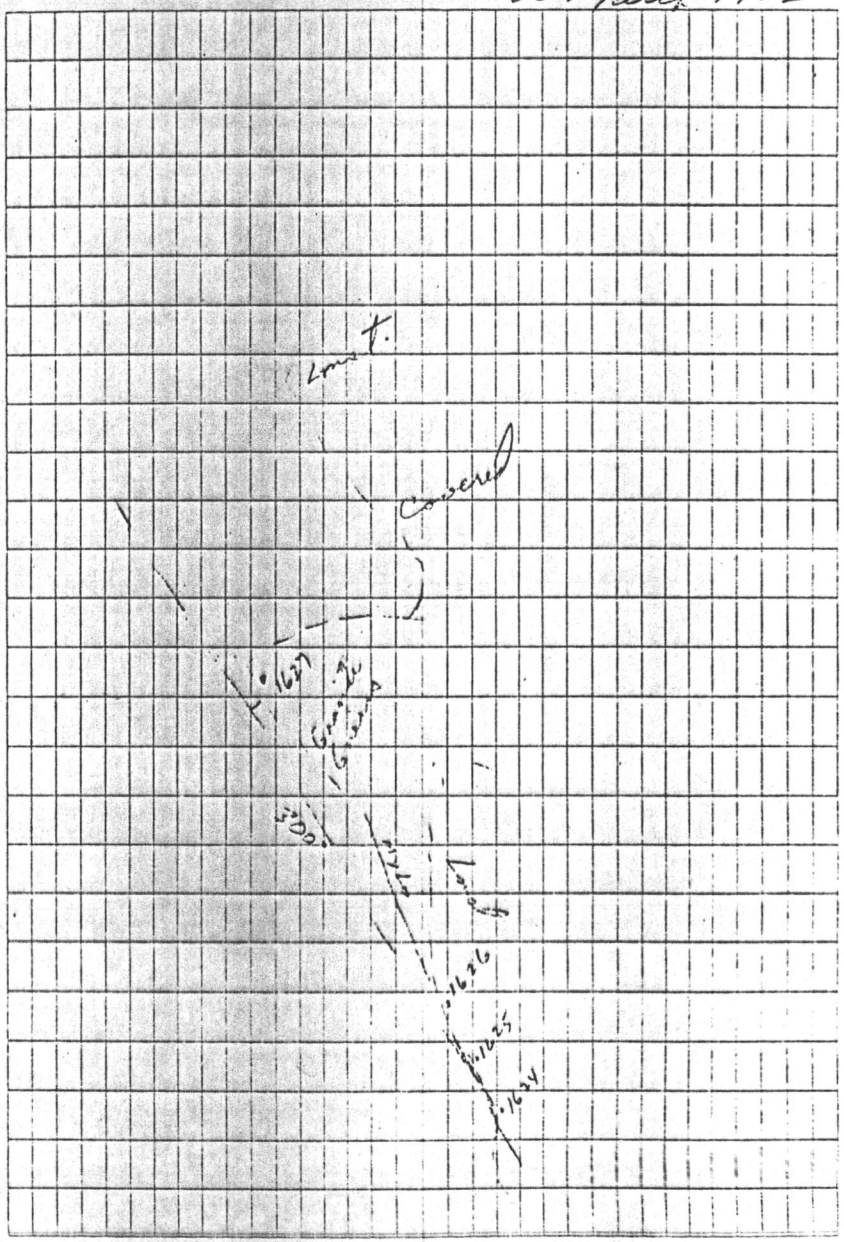
04 - 6½' chip sample
[illegible] 03
less alt unit of above

05 - 14' chip sample
[illegible] with some carbonates
[illegible] 1620

06 - 30' as above, more [illegible]

16-1

Warm + dry
20 March 1982



APPENDIX VII

Analytical Results

Amselco Sampling

December, 1982

VII

DATE 12-7-82 DATE PREP
DATE DISP 12-20-82 LAB DISP TO
METHOD OF DISP

AMERICAN SELCO ~~LABORATORY~~
994 WEST GLENDALE AVENUE · SUITE 7
SPARKS, NEVADA 89431
(702) 359-4770

SHIPPED 12-20-82
RCVD 12-7-82

PROJECT NAME Silverfield No.
ADDRESS 17602 N Black Canyon Hgwy, Suite 105
Phoenix, Arizona 85023
Person Norman Bryan Phone (602) 863-2969
REPORT WILL BE SENT TO ABOVE ADDRESS UNLESS NOTED BELOW

ROCK NO. R-3986
Date Received
Date Reported
Page 1 of

SAMPLE DESCRIPTION	SAMPLE LOCATION	Wt	NO.	ASSAY RESULTS In oz/ton Au	Ag					Wt
Med Grnish Gy - Rdish Brn fi gr meta andesite - PE - Abu	Fe ox - Jarosite & Hematite	38	1	Tr	.25					41.5
DK Reddish Brn - yellow fi gr meta " - PE - Vy Abu	Fe ox - wk Arg Alt.	36	2	Tr	.35					37.5
Same as above		37	3	Tr	-.05					36.5
Same as above		42	4	Tr	.35					43.5
Same as above		37	5	Tr	.45					38.5
Same as above "		41	6	Tr	.40					42
Same as above		38	7	Tr	.20					39
Same as above		37	8	Tr	.30					39.5
Same as above		38	9	Tr	.40					38.5
Med - DK Brnish Rd & Gy fi gr meta Andesite w/ st Arg alt & st Fe ox alt		35	10	Tr	.20					34
DK Grn & Rdish Brn Hematite rich phyllite below Qtz (rhyolite Brr.?)		38	11	Tr	.40					39.5
Med yellowish Gy - wh Qtz flooded (rhyolite ?) Brr Abu Grn phylite Cont.		34	12	Tr	.25					33.5
DK Orange - Rd - Brn stained wh Qtz flooded (rhyolite ?) Brr near center of str.		42	13	Tr	.30					44.5
Blk Mn Coated & Brnish Gy oxdized wh Qtz flooded (rhyolite) Brr		38	14	Tr	.25					39
Same as above but without Blk Mn Coating		39	15	Tr	.60					41.5
Same as above w/ hvy Blk & Orange Mn Ox Coating		37	16	Tr	.55					38.5
Lry Rd - Brn Fe ox stained & Arg Alt Qtz rhyolite Brr in Hot Springs Vent.		41	17	Tr	.30					42
wk - med Rd - Brn Fe ox stained & Arg Alt Q Rhy Brr " " "		35	18	Tr	.55					36.5
Hvy Blk Mn Ox Coated & Fe ox stained " " " "		32	19	Tr	.40					33.5
Same as above except near top of Hot Springs Vent		36	20	Tr	.35					37
Med yellowish Gy - Brn - Rd Fe ox stained & Coated Arg Alt Qtz Rhy Brr		38	21	Tr	.40					39.5
Same as above w/ Abu Blk Mn ox stain & Calc Sinter Coatings		35	22	Tr	.50					31.5
Med Gy - DK Brn Cx Xln dolomite w/ wk Fe ox in wk hairline fres (Blk in Brr mass)		34	23	Tr	-.05					34
Med Grnish Gy Sericite Alt Sulfatara - vy soft & fi grained.		35	24	Tr	.25					35.5
Med Brnish Rd - Grn Hdy Alt - Arg - Pbl filled Paleo	Soil or Regolith.	37	25	Tr	.50					38.5

beneath rhy Brr HSP Vent.

FAILURE TO SUBMIT A FULLY COMPLETED FORM SHALL RESULT IN RETURN TO SENDER AND DELAY RESULTS.

STATE: AZ COUNTY: Mohave SEC. 32 T 18N R 18W
RESULTS PLOTTED DATE:
SPECIAL INSTRUCTIONS:

NO OF SAMPLES 25 ASSAY TRACE
DATE SHIPPED
SHIPPED VIA
PROJECT NUMBER

REJECTS WILL BE DISCARDED UNLESS OTHERWISE NOTED
☒ STORE
☐ RETURN TO

PULPS WILL BE STORED UNLESS OTHERWISE NOTED
☐ STORE
☐ RETURN TO

ASI WHITE COPY MAIL TO LAB • YELLOW COPY

DATE DISP 2-7-83 LAB DISP TO Amselco
METHOD OF DISP U.P.S

cc. SJK
BDR
SBZ

AMERICAN SELCO LABORATORY

994 WEST GLENDALE AVENUE - SUITE 7
SPARKS, NEVADA 89431
(702) 359-4770

T-1983

PROJECT NAME Silverfield No. 550
ADDRESS 17602 N Black Canyon Hgwy, Suite 105
Phoenix, Arizona 85023
Person Norman Bryan Phone (602) 863-2969
REPORT WILL BE SENT TO ABOVE ADDRESS UNLESS NOTED BELOW

ROCKGEOCHEM.
No. R-3987
Date Received 2-9-83
Date Reported 2-18-83
Page 2 of

SAMPLE DESCRIPTION	SAMPLE LOCATION	Wt	NO.	Au	Ag					W4
				ASSAY RESULTS In oz/ton						
Abu Blk-Brn-Orange mx & Fe ox Coated Arg. Alt.	Qtz-Rhy Brr in HSP Vent	36	1	.001	.03					39
Same As Above - Vy large Cavities & Vugs		40	2	<.001	<.03					45
Same as above		34	3	<.001	.03					36
Same as above		42	4	<.001	<.03					45
Same as above		40	5	<.001	.03					42
med Gy-Brnish Gy CX Xln dol w/ Abu Ce frags & Silicification		34	6	<.001	.03					36
med Brn-Pinkish Gy hily Arg Alt Qtz-Rhy Brr below Dol Blocks		39	7	.002	.17					42
Hvy Blk mn ox Coated med Gy Crs Xln dol.		33	8	.001	.03					35
Orange & Blk mn ox Coated Qtz-Rhy Brr. (top of HSP Vent)		32	9	.001	.12					33
Med Gy-Brnish Gy Silic & Calcareous Sinter w/	dl & Rhy Frags & Clasts	32	10	.001	<.03					32
Same as above		28	11	.001	<.03					31
Med Brnish Gy-Rd-Brn Fe ox Stained & Coated Arg.	Alt. w/ Qtz-Rhy Brr.	35	12	.003	.03					37
Med Gy-Brnish Gy Silic & Calcareous Sinter w/	dl & Rhy Clasts	38	13	.027	.06					42
Med Grnish Gy & Red-Brn Grnish Gy Fe ox Coated Phyllite	w/ med sericite Alt.	40	14	.017	<.03					45
Same as above		43	15	NS	NS					45
Rd-Brn-yellow Fe ox stained Qtz (Rhy?) Brr dike	? in Pit A	40	16	.162	.03					43
Med Brn-Rd-Grnish Gy Fe ox stained & oxidized Phyllite		36	17	.013	<.03					42
Same as above except in Pit B		39	18	.006	<.03					42
Same as above " " " C		35	19	.003	<.03					47
Rd-Brn-yellow Fe ox Stained Qtz (Rhy?) Brr dike		42	20	.003	<.03					44
Med yellow to yellowish Brn Siltstone w/ Blk-Brn Hem	Stringers near Contact w/ Rdss	35	21	.001	.06					35
Same as above		32	22	<.001	.09					32
Med Brnish Gy-yellowish Brn Siliceous, Vuggy porous	Crs Xln dl	30	23	.001	<.03					32
Med yellow-Brnish Gy Siltstone & Gy SS w/ spots	of Blk mn ox on Contact	33	24	<.001	.06					36
Rd Ferruginous Hematite & Fe ox Cemented Rd Congl.	w/ Red SS & Congl.	33	25	<.001	<.03					

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RECEIVED 2-10-83

ROCKGEOCHEM.

No. R- 3988

PROJECT NAME Silverfield No. 510
ADDRESS 17602 N Black Canyon Hwy, Suite 105
Phoenix, Arizona ~~85203~~ 85023
Person Norman Bryan Phone (602) 863-2969

Date Received 2-1-83
Date Reported 2-3-83
Page 3 of

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SAMPLE DESCRIPTION	SAMPLE LOCATION	Wt	NO.	ASSAY RESULTS In oz/ton Au	Ag					Wt
med Brnish Gy - Gy Fe ox stained & hily frc'd meta Andesite - PE		37	1	.003	.03					39
Med Brnish Gy - Green Cu Ox - Chrysocolla stained & Coated Crs Xln dol.	Abu frcs	35	2	.027	.12					37
Same as above with Abu brn Chert Bands		33	3	.098	.03					34
med Brnish Gy - Rd & yellow Fe ox Stained & hily frc'd meta Andesite? (PE)		39	4	~.001	.03					39
Same as above	PE	38	5	~.001	~.03					41
Same as above	PE	39	6	~.001	~.03					40
Same as above w/ St Fe ox & Arg. Alt.	PE	42	7	~.001	.03					45
Same as above w/ "	PE	43	8	~.001	~.03					45
Same as above w/ "	PE	40	9	~.001	~.03					43
med Rdish Gy - Brn-wh Qtz Rly Brr w/ Abu Hematite Coatings		37	10	.004	.06					41
DK Red Hematite Coated Crs Xln dl in HSP Vent - Red Hematite Coating all		35	11	.002	.35					35
Med-Brn-Gy Crs Xln dl w/ Abu Fe ox & Cu Ox Stains & frc filling		35	12	.007	.70					38
med Brn-Gy Crs Xln dl w/ Qtz rly filled frcs & St Cu ox		36	13	.001	.76					38
Med Brn-Grysh Brn Hily Arg Alt'd Calcareous Sinter above 12 & 13		35	14	.001	.35					36
med DK Gy - Blk Mn ox & Brn Fe ox stained Crs Xln dl & Qtz Rly Brr - Traces Cu ox		40	15	.001	.29					40
Same as above except Abu Cu ox & dominate Crs xln dl		39	16	.002	.47					41
Same as above		33	17	.004	2.27					36
Med Gy Crs Xln dol w/ red Hematite & Calcareous Sinter filled veins		35	18	NO SAMPLE RECIEVED						
DK Grn - med Brnish yellow, orange & DK Brn Fe ox Stained & Coated meta Andesite PE		42	19	~.001	~.03					42
Same as above except dominate Grn Color	PE	35	20	~.001	~.03					36
Med Brnish Gy & Blk Mn ox Stained Siliceous Crs Xln dl		34	21	~.001	.09					39
DK Grn - med Brnish yellow & DK Brn Fe ox Stained & hily frc'd meta Andesite PE		42	22	~.001	~.03					44
Same as above		44	23	~.001	~.03					46
Same as above w/ vertical ½" hematite vein filling		40	24	~.001	~.03					43
Same as above w/o Vein material & St Fe ox Coating		37	25	~.001	~.03					40

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PROJECT NAME Silverfield No. 550
ADDRESS 17602 N Black Canyon Hgwy, Suite 105
Phoenix, Arizona ~~85020~~ 85023
Person Norman Bryon Phone (602) 863-2969
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Date Reported 2-18-83
Page 4 of

SAMPLE DESCRIPTION	SAMPLE LOCATION	Wt	NO.	ASSAY RESULTS In oz/T Au	Ag					Wt
Med Rdish Brn - yellow, Hily Arg Alt'd Qtz	rhyolite Brr	41	1	<.001	.06					49
Med Green - Grnish Gy Solfatara - total Sericite - Arg. Alteration		37	2	<.001	.06					44
DK Gy med - crs Xln dl w/ vugs & frcs w/ Brn Fe ox	coatings.	37	3	<.001	.29					43
wh - Gy - Brn Siliceous & Calcerous Sinter just	above #4	42	4	<.001	.29					45
DK Red - Reddish Gy Qtz Rhy? Brr w/ frags of silicified dol?		40	5	.001	.99					46
Med Red - Gy - Grn Cu ox & Fe ox Stained Qtz - Rhyolite	Brr	40	6	<.001	1.37					44
Hily Alt Fe ox & Cu ox Coated & frc'd Qtz	Rhy Brr	45	7	.001	.44					49
DK Red Hematite Coated & Alt Qtz Rhy Brr in open cut		35	8	.002	.44					38
Med Rdish Brn - wh Calcerous 1-2" Vein filling	in Qtz Rhy Brr	37	9	.001	.32					40
Med Rdish Brn - wh Calcerous ¼-½" veins w/ Brn	calcerous fill in Brr	38	10	.008	.64					39
DK Red Hematite & Grn Cu ox coated Qtz - rhyolite	Brr	39	11	.008	1.69					41
Hvy Blk & Orange Mn ox Stained wh - Lt Grn Qtz - rhyolite	Brr	38	12	.001	.52					43
Med Rd & Brn Fe ox & Grn Cu ox on frcs & grains in	Qtz - Rhyolite Brr	36	13	.009	.64					39
Med Gy - Brn Calcerous & siliceous Sinter - Vuggy & porous		43	14	.002	.15					45
Blk Mn ox coated & stained Crs Xln dol in	Qtz Rhy Brr	37	15	.037	.03					40
Same as above except more Abu Rd Hematite	Coating	35	16	<.001	.26					38
Med Green Grnish Gy Solfatara - total Sericite - Arg. Alteration		44	17	<.001	.03					50
Med Gy - Brn Ce Banded Crs Xln dol w/ scattered	Grn Cu ox stain	38	18	<.001	.38					48
Same as above except No Cu ox		41	19	.002	.50					43
Same as above except No Ce & Abu Fe ox	Coatings	37	20	.002	.15					46
DK Red coated Hematite & Crs Xln dol in HSP	vent	41	21	.003	.09					47
Massive DK Brn & Grn Cu ox (~40%) silicified Bx	med Xln dl	37	22	.009	.79					41
DK Brn & Gy Massive Crs - Med Xln dl - wk Fe ox		34	23	.001	.26					43
Med Gy - Brn Calcerous Sinter & vuggy frc filling between dl Clasts		36	24	.001	.17					41
Blk Mn ox Stained DK Grn Meta Andesite pe below	Siliceous dl Cap.	47	25	.001	.73					51

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ROCK GEOCHEM.
No. R- 3990

PROJECT NAME Silverfield No. 550
ADDRESS 17602 N. Black Canyon Hgwy, Suite 105
Phoenix, Arizona 85023
Person Norman Bryan Phone (602) 863-2969
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R.C. 11-7-83 T-1984

SAMPLE DESCRIPTION	SAMPLE LOCATION	Wt	NO.	ASSAY RESULTS In OZ/T Au	Ag					Wt
Lt Grnish Gy Sericite Alt PE Schist (at head of Box Canyon)		43	1	<.001	<.03					54
Lt Grnish Gy & med Reddish Gy Alt Schist & Clots of Brn-Rd Qtzose lens		42	2	.001	<.03					46
Med Lt Rdish Gy hily Sericite Alt Schist - PE		41	3	NS	NS					50
Same as above but 50% of Sample is Brn Fe ox & Cu ox in large 1' Square area		34	4	.045	.09					38
DK Brn - Blk mn ox Coated & frc filled lense of meta-Siltstone PE		38	5	.001	.03					46
Med Gy Qtz flooded schist w/ Clots & lenses of wh Quartz from HSP Sp.		43	6	.001	<.03					49
Med Reddish Brn & Rdish Gy Qtz flooded & Qtz lense of wh Sch		42	7	<.001	<.03					48
wh Qtz Lense (8' X 3') hily frc'd & mn ox Stained on Surfaces		36	8	<.001	<.03					46
DK Rdish Brn - Rd & yellow Fe ox Alt & enriched Qtz flooded Schist ?		43	9	.001	<.03					52
DK Brn mxl - cxl dl - Vuggy & porous (on top of HSP Sinter ?)		35	10	.005	<.03					40
DK Rd - Maroon & Grn Hily Alt Soft & wkly Silicified Schist ?	Below HSP Cap	42	11	.001	<.03					48
Blk - DK Brn Silicified & Slickensided Qtz flooded PE andesite ?		40	12	.001	<.03					51
med Gy Siliceous Vuggy Crs Xln dl Across Valley from #12		35	13	.001	<.03					39
Med Pinkish - Rd & orange Fe ox Coated Qtz flooded (Rhyolite ?) Brx		36	14	.001	<.03					43
Grn Cu ox - Chrysocolla & Neotocite Stain & coating in Qtz (" ?) Brx		36	15	.007	<.03					40
Med Brn - Orange Siliceous & Calcareous Alt dl below dl & Qtz Cap		37	16	.100	.15					41
DK Brnish Rd - Blk Fe ox & Mn ox stained Grn Qtz flooded (andesite ?)		37	17	.002	<.03					45
Med Rdish Brn - Gy - Brn Vuggy, porous Crs Xln dl in HSP Cap (?)		40	18	NS	NS					48
Med Pinkish Rd & Gy Qtz flooded ~~Andesite~~ (hily frc'd) Fault Zone		40	19	.001	.03					46
Same as above but opposite side of Canyon (in Fault zone)		36	20	.001	<.03					41
Med Gy Qtz w/ wh Qtz Gouge in Fault Zone		37	21	<.001	.03					42
Lt Rdish Brn - Brnish Gy Qtz Breccia from Qtz flooded Fault zone		39	22	<.001	<.03					44
Med Brn - DK Gy - Blk Siliceous Crs Xln dl from adjacent Fault Zone		41	23	.001	<.03					43
Med Brn - Rdish Brn - Gy Qtz flooded Fault Breccia Zone		35	24	.034	.03					38
Med Reddish Gy - Hematite Stained & Coated Sericitized PE Schist		32	25	.001	<.03					39

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APPENDIX VIII

Analytical Results and Field Notes

B.E. Aaquist

March and April, 1983

SILVERFIELD FIELD NOTES, 1983

1. In wash, jeep trail, N center, NW¼ Sec. 5, very thin basalt flow (or flows) interbedded with Chapin Wash sed in floor of wash. Flows are irregular and 1-3 feet thick. Locally, Chapin Wash has been altered and bleached next to the flows.

2. SW¼ Sec. 32, Chapin Wash hill elevation 940' north side of hill. A prominent fault trends N50°E near vertical, south side up. Offset in basement evident on both sides of wash, a number of parallel offsets evident in Chapin Wash sediments. Secondary joints with offsets N35°W, vertical, evident on Chapin Wash - mylonite contact, east side down 1" to 1'. Chapin Wash appears to be on a regolith which has relic rock fragments. Regolith is light green with discontinuous black streaks, a brown mudstone occurs at contact.

3. Just west of stop two on a small ridge, there is a mass of specular hematite, horizontal 50' long 1'-3' thick in the basement gneiss, 25' below the Chapin Wash contact. The hematite occurs as a lens. The gneiss is mostly yellow, sheared above the hematite it has been propylitically altered. A short trench has been dug into the hill at the west end of the hematite.

4. Trench next ridge north of stop 3. There is a four foot thick lens of hematite and quartz in propylitic altered basement. All basement is green and altered. Hem., is about 10 feet below Chapin Wash. There is a 1-2 foot lens of quartz-limestone in basal Chapin Wash.

5. North side of hill of Silverfield #15, elevation 1,170' contact between mylonite and limestone. Contact is a zone of clay with rock fragments. Clay is layered green and brown and the layers are locally offset along vertical planes. Contact dips south about 8°.

6. West edge NW ¼, SW ¼ Section 32, east side of wash. There is a mound of tertiary basalt and flow top rubble 100'x200', 50' high. Towards top of mound, there is progressively more limestone veins and the mound grades into a limestone cap. South of the mound is Chapin Wash sediments with two beds of limestone, one with quartz fragments. Mylonite is exposed to the north. Limestone beds strike N60°E, dip 40° SE.

7. Mound north of stop 6. Quartz zone 2-3 feet wide extends up through gneiss and forms a silica breccia ridge 15 feet wide to 30 feet wide, extending NE for 80 feet.

8. SE¼, SE¼ Section 31. A bed of limestone with irregular quartz nodules occurs interbedded with Chapin Wash

sediments, strike N 80°E dip 30° SE. Limestone is 2-3 feet thick. Two low hills due south consist of Chapin Wash sediments that has a hematite (manganese) and numerous calcite veinlets.

9. North side of hill from 8 and south side of next hill. A think vesicular volcanic flow (basalt or andesite) lies directly on basement. Flow is gray, f.g., with white feldspar phenocrysts and vesicles up to an inch across, most filled with a soft earth brown material (calcite).

The underlying mylonite has hematite developed on fractures and is locally propylitized. The flow is overlain by Chapin Wash sediments.

10. NE ¼, SE ¼ Sec. 31. Hill just north of fork in road. Limestone with quartz laminal that trend SE-NW. There are local joints that trend N40° E filled with massive quartz 1-2 feet wide.

On low mound to east, there is a couple of pits in a vuggy quartz zone. Clay alteration on fractures local copper stain and local coarse barite crystals.

11. Dump at adit east of 10. Dump material consist of mostly of phyllitic gneiss, brecciated and cemented by red earthly hematite.

12. Center SE¼ Sec. 31. SW end of Silverfield workings a series of 3 pits in mostly limestone in a zone up to 3' thick striking N70°W dip NE 30°. Zone is brecciated and breccia is cemented with hematite local copper stain and limestone day alteration.

13. NE¼, NE¼ Sec. 6. Abundant specular hematite in a strongly altered sandstone and conglomerate. Local masses of specular hematite. Bedding N60° W dip 36° SW. Unit overlain by thin cover of limestone with some quartz.

14. N35-49° W, dip 49-89° NE (strike 42°W dip 80°E) slicks in gneiss in bottom of wash.

15. Intensive silica alteration of basement, contact irregular, sharp to gradational silica mostly white local hematite stain.

16. An extensive quartz unit 20'+ thick trend N10°W dip 50-70°E. Strong iron oxide stain. Locally specular hematite and malachite developed especially along shears which strike as above. At top quartz is irregular and interfinges with limestone. At south end quartz pinches out at north end(?) Below this quartz occurs locally at near horizontal veins in basement mylonite, 1-2 feet thick. Some with quartz breccia.

At south end of above exposure in a ledge that trends

N60°E. Limestone has been brecciated and re-cemented. Local fragments 1-2 feet. Possible fault breccia.

17. E ½, NE ¼, NE ¼, SEC. 6. Chapin Wash overlies a limestone unit to the northeast. Chapin Wash is a conglomerate, it has been locally silicified with both boulders and matrix altered to quartz. The change is commonly gradational. When complete, the rock looks like a silica mound. The Chapin Wash is overalin by an amygdaloidal basalt flow.

18. Center S½, SE ¼ Sec. 31, at base of hill is a quartz dome which is overlain to south and west by strongly altered Chapin Wash. The fine grained Chapin Wash is altered to green and gray sericite immediately above the dome. As one moves away from the dome 100 feet or more altered conglomerate units become obvious in the schistose material. A shear cuts west part of dome N 50° W dip 80° SW. Dome is capped with quartz fragments in limestone.

19. Contact of basement and overlying phyllite. At contact basement is strongly altered in a zone 20 feet wide. It is bleached with some hematite stain, to the north of this it is strongly hematite stained, the amount of hematite decreases to the north. The basement has been sheared N70° E dip 65° and 85° SE. Vertical slickensides common on shears.

Contact with phyllite is a gouge strike almost E-W dip 65°

south.

The phyllite is light gray in color with local hematite rich red bands. It has numerous small grains of quartz and altered fragmental material. One large fragment of limestone was observed in it. A few zones that appear less altered give the impression that this might have been some kind of a sediment. Foliation in the phylllite is N75° W dip 60-90° SW.

20. North of jeep trail NW ¼ Sec. 6. A diabase dike about 4 feet thick cuts the phyllite. It trends N-S dip 65° W and is offset along numerous joints which gives it a snake like outcrop projection. Dike is gray, fine grained with minor feldspar phenocrysts 1mm. Fine versicles occur throughtout.

21. In wash above adits, 1,260', NW ¼, NW ¼ Sec. 6. A small prospect pit on edge of small dome a zone 2-3 feet thick was exposed with abundant malachite-azurite, hematite in a quartz breccia with quartz veins. The zone is discontinuous and is part of a shear. It is overlain by calcareous phyllitic sediments and underlain by massive quartz. Strike of overlying sed. is N 65° W, dip 65° SW on west side ofpit N 75° E, 30° SE on east side. Up hill is a 15' quartz mound capped with limestone Phyllitic sed to west are interbedded with limestone, 1 sample.

22. Upper adit down from stop 21. Strongly sheared chlorite-hematite phyllite N 70° W dip 67° SW. Local lenses and boudins of quartz, some with much hematite stain. The largest lens is 3' x 1'.

22A. Above upper adit up to 1080' gauge strike N85°W dip 30°SW @ 1070'-1080' mass of quartz, highly fractured with hematite gouge on fractures sample #796.

23. SW of jeep road, center of Sec. 6. Hill of multilayered silica-limestone dome. Core of fractured white quartz with red hematite coating. Limestone capping quartz with red hematite coating. Limestone capping quartz has veinlets of quartz, some trend N-S, vertical. There are local layers of phyllitic like-silica mud.

24. SW ¼, NW ¼ Sec.6 just east of major wash, a syncline is exposed in the basement mylonite gneiss, dips are gentle, but to the northeast the structure is complex due to faulting and drag folds along faults. There is also some appearance of intrusions cross-cutting the gneissic banding. The intrusive phases appear to be silicified phases of gneiss. There are locally silicified phases of the gneiss that look similar to the silica in the sinter mounds.

25. Up to the wash from 24. Silica sinter mounds at base of