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VULTURE MINE HOLE NO. VS-1

Inclination: -60° Direction: S Total Depth: 300

Scale 1" = 40' Loc. (approx) 4,500S, 1,000 W

Harris Drlg Co.
Start 2-26-87
Finish 2-27-87

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
0									
	Qal		Tan/lt brn						Mostly qtz monz frags, pE qsc incr downward.
50									Harder, calcareous 54-65
65									
			Red 75-87		✓✓				XC → Scottsdale
			Grey		✓				
100									
			Deep red 110-135		✓✓✓✓				
	pE qs/qsc				✓✓✓✓				
			Grey-Tan		✓				
150									Much harder below 160'
					✓				
200	qpi?								
208			Mixed lt pink, grey to 225		✓				
210									
235 2-26 / 2-27	pE qs/qsc				✓				Roller bit to 235, hammer 235-300TD
250			Red 255-270, dk gy to T.D.		✓✓✓✓				
				str qtz 275-280					
T.D 300									

Logged by Peter Hahn ~~Don Hollister~~

VULTURE MINE HOLE NO. VS-2

Inclination: -60° Direction: S Total Depth: 300

Scale 1"=40 Loc (approx) 4,200 S, 1,000 W Harris Drlg. Co. 2-27-87

Presence of: Assays (oz/t)

Depth (ft)	Unit	Graphic Log	Dust Color	Quartz	FeO	Sulfides	Au	Ag	Remarks
0									
	Qal		Tan/lt brn						Mixed qm, pfs, Tv
50									
65									
	pfqs		gy	1-2%					
									95 roller bit hammer
100			Red-deep red 90-110	<1%					
			gy, red 125-130						
150									
			gy, occas red zones 2-5' thick						
	pfqs & pfqsc			<1%					
200									
250									
T.D 300				1-2%					

Logged by Peter Hahn

VULTURE MINE — HOLE NO. VS-3

Inclination: -60° | Direction: S | Total Depth: 300

Scale 1" = 40' | Loc. (approx.) 1,800S 1,900W | Harris Drlg. Co. | Start 2-27-87 | Finish 2-28-87

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
0									Hammer 0-300 TD
	Qal		Tan/lt brn						Mixed, mostly qm
50									Red @ unconformity
							* .0009		Top pt rx more amphibolite hfs than schist.
2-27 / 2-28 80							.0003		
							.0009		
							.0003		Epidote up to 5%, Faintly Foliated.
100							.0009		
							.0006		*Alternate spls only
							.0050		
							.0029		
	pEqs / pEqsc		Tan/brn/gy (no pink zones like VS 1/2)		<5% FeOx	Ø	.0009		
150							.0015		
							.0009		
							.0003		
							.0003		
							.0015		
200							.0006		
							.0006		V. hard (silic.?)
							<		220 —
							.0026		
							.0006		
250							.0003		
							.0026		
							<		
							<		
							<		
T.D. 300									

Logged by Peter Hahn

VULTURE MINE HOLE NO. VS-4

Inclination: -60° Direction: S Total Depth: 300

Scale 1"=40' Loc. (approx.) 1,500S 2,000W Harris Drlg. Co

Presence of: Assays (oz/t) 2-28-87

Depth (ft)	Unit	Graphic Log	Dust Color	Quartz	FeO	Sulfides	Au	Ag	Remarks
0									Hammer 0-300TD
	Qal		Lt gy						Hard, mostly qm
50			Red		str		.009 *		Red @ contact
	pfqs		Tan				.008		Schist/amphibolite, loc hvy FeOx
	trqpi?	x x x?					.003		< 1% qpi (?) 75-80
				1-2% local			≤.0003		*alternate spls only
100							.0017		
					loc.		.0003		Local qtz to 2%
	pfqs						.0003		
							.0003		
			Olive drab				.0020		
150							.0006		
							.0003		
							.0003		
						Ø	.0006		
				<1%	wlc		.0009		
200			→ green below 200	190-			.0026		Epidote incr below 200
							.0003		
							.0003		
							<		
							<		
					lil		.0012		
250							.0009		
							.0027		
							.0003		
275							.0003		
	pf-hfs ?		dk gy				.0009		Hfs or amphibolite,
				2%			< .0102		<1% epidote. V. hard (silicified?)
T.D. 300							< .0003		

Peter Hahn

Logged by ~~Donald White~~

VULTURE MINE HOLE NO. VS-5

Inclination: -60° Direction: S Total Depth: 300

Scale 1"=40' Loc. (approx.) 1,200 S, 2,050 W

Harris Drlg Co
Start 2-28-87
Finish 3-01-87

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
0	Qal		Tan						qm boulders, some pE, Tv Hard.
30			Red		V. Str.		.0006		Red color in hem. stnd cla seams (washes away in chip log spl). Decr below 70, ends 95-100
50			Loc red				<.0003		
							.0015		
							.0041		
2-28 / 3-01 80							.0003		
			pink		sparse		.0006		
				1-2%			<		
100			Buff/tan to gr-gy		nil		.0003		
							.0009		
	pt sc / qs						<		
							.0003		
150									Moderate epidote
					v. loc	Ø	<		
							<		
							<		
							<		
200			Dk gy		nil below 200		<		Harder, darker, angular frags.
							.0012		
							.0003		No epidote below 220
				<1%			.0009		
250							.0009		
							.0003		
							.0012		
							.0003		
							.0012		
T.D. 300									

Logged by Peter Hahn ~~Don White~~

VULTURE MINE — HOLE NO. VS-6

Inclination: -60 | Direction: S | Total Depth: 340

Scale 1" = 40' | Loc. (approx) 400S, 2,300W | Harris Drlg. Co. | 3-01-87

Presence of: | Assays (oz/t)

Depth (ft)	Unit	Graphic Log	Dust Color	Quartz	FeO	Sulfides	Au	Ag	Remarks
0									
	Qal		Tan						
30									
			grey						
50	ptsc/qsc		red		str				Red zone in ptqs 50-65 (hem in cla)
			grey/dk gy		wk-nil				Amphibolite? - non Foliated, grades to Fol. below 100
	ptqs/hornfels								
100									Non-magnetic
150						Ø			
							<.0003		
			wk red		wk		<		
							<		
							.0006		
							.0003		
							<		
			v. str red		v. str		.0003		
200							.0012		
							<		
							<		
							<		
							<		
							.0003		
							.0003		
							.0006		
							.0003		
							.0020		
250				incr↓			.0009		
			Variable pink to gy				.0003		Altered (silicified & py-cla) hornfels or amphibolite
							.0006		
	pt hfs/amph.						<		
							<		Sugary qtz cut by v. fx FeOx vns in fracs.
							<		
							.0003		
							.0006		
						py-tr	.0006		
			yellow	up to 50%	str Jarosite		.0003		
300							.0009		Jarosite 295-300
							.0003		
							.0006		
							.0020		
				<5%		py-tr	.0017		Mineralization decr 310-340, nil @ TD
							.0003		
							.0003		
			gy				.0003		
T.D. 340							.0006		

Logged by Peter Hahn ~~Don White~~

VULTURE MINE HOLE NO. VS-7

Inclination: -60° Direction: S Total Depth: 250

Scale 1" = 40' Loc (approx) 1005, 2,400 W Harris Drlg. Co. 3-01-87 - 3-02-87

Depth (ft)	Unit	Graphic Lbg	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
0	Qal		Tan						
3-01 / 3-02 45									
50	pEqs		Tan-buff. lt gy, loc red zones	loc, up to 1%		Ø			Biotite-qtz-ser. schist.
100									
150									
200			Str red, decr ↓		deep hem				Str hem 193-220, clay seams? (washes away)
			Lt choc brn						
T.D. 250			med tan	nil					

Logged by Peter Hahn

VULTURE MINE HOLE NO. VS-8

Inclination: -60° Direction: S Total Depth: 260

Scale 1" = 40' Loc (approx.) 500 N, 2,470 W (@ Vulture mine Rd) Presence of: Assays (oz/t) Harris Drlg Co. 3-02-87

Depth (ft)	Unit	Graphic Log	Dust Color	Quartz	FeO	Sulfides	Au	Ag	Remarks
0	Qal		Tan						
30	ptqs		Tan-gy-loc red.	up to 5%	loc str				Schist, wk FeOx Harder, more qtz than in VS-1-7
50									Alternating schist & hFs, horn Felsic below 100 (silicified ?)
100	pt hfs		Deep maroon 121-140		Str				
150			Tan-gy			py in qtz			Sharp base FeOx @ 155, epidote below
200									
216?			Maroon 210-215		Str				@ 216, more granular (hornfels?), loc xlline/intrusive texture
	ptqs ?		Grey to loc lt red	<2%					
250									
T.D. 260									

Logged by Peter Hahn

VULTURE MINE HOLE NO. VS-9

Inclination: -60° Direction: S Total Depth: 250

Scale 1" = 40' Loc. (approx) 700S, 2,300W Harris Drlg. Co. 3-02-87 - 3-03-87

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
0	Qal		Tan						
45-50?									
50	pEqs		Lt gy, v. dk gy @ 65	1-2%					Schist w/ qtz veins on bedding.
			Red @ 78		Str				
100			Red @ 100		Str				Below 100, 20-50% of chips hem stnd., incr to 80% 125-140. Minor jarosite.
			Red 125-140		Str, hem/jar	Ø			
3-02 / 3-03 140				5%					
150									
			Dk gy to med maroon						
200									
	pEqsc		Dk gy						Normal pEqsc @ TD, more friable
TD 250									

Logged by Peter Hahn

VULTURE MINE HOLE NO. VS-10

Inclination: -60° Direction: S Total Depth: 250

Scale 1" = 40' Loc (approx.) 200N, 2,450W Harris Drlg. Co. 3-03-87

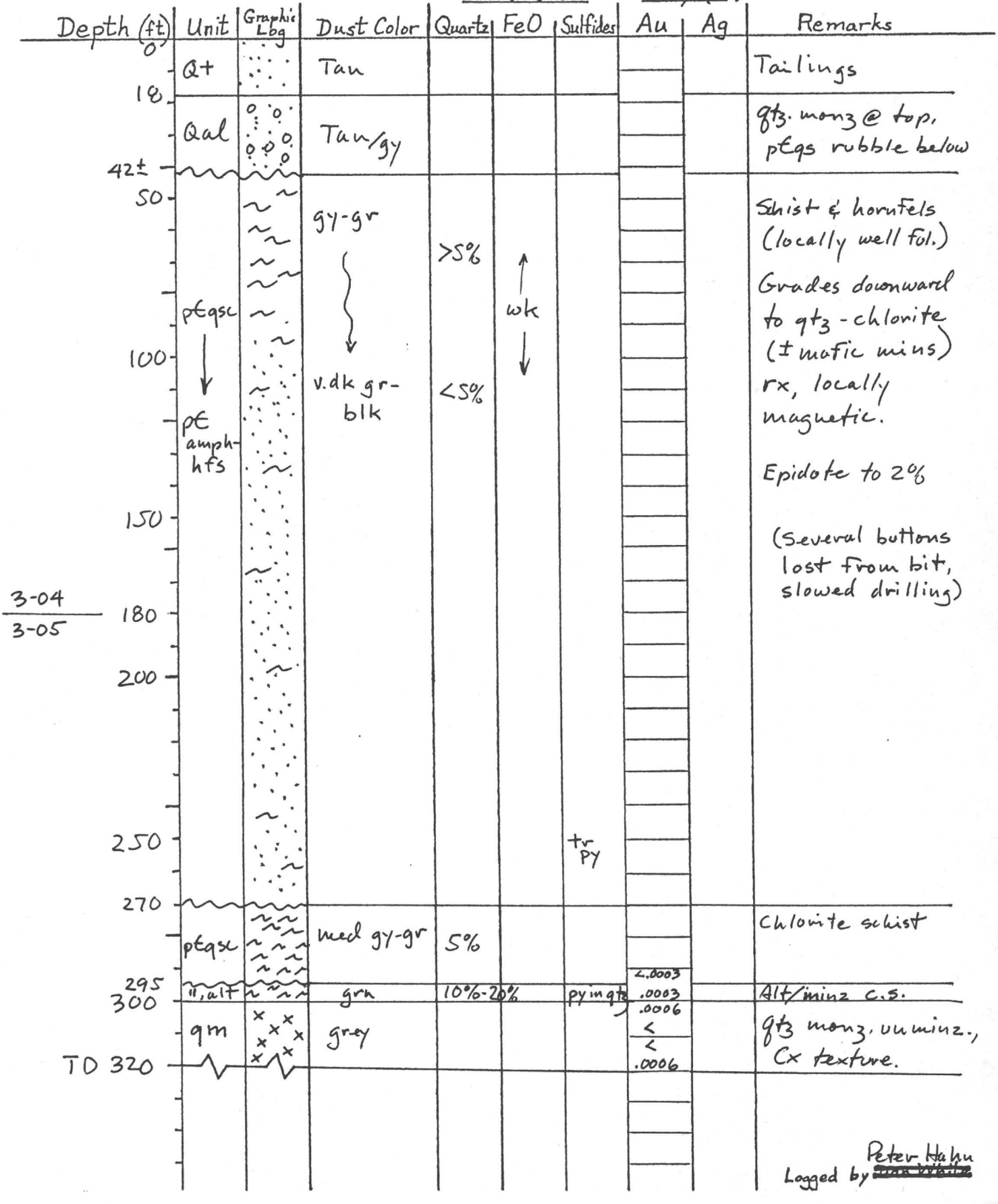
Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
0	Qal		Tan						
19			Red	<2%	5-20% hem				Chlorite-biotite schist. quartzite (?) layers 35-45.
			Grey						
50									
			Deep maroon 80-100						
100				5% loc		PY			5% qtz 100-105, tr PY.
	pfqs		Grey, few thin red zones.		wk, thin zones				
150									
200									
				<1%					
T.D. 250									Normal, fresh @ TD

Logged by Peter Hahn

VULTURE MINE HOLE NO. C-1

Inclination: -90° Direction: Total Depth: 320

Scale 1" = 40' Loc 25,150N, 20,780E (approx) Harris Drilling Co 3-04/05-87



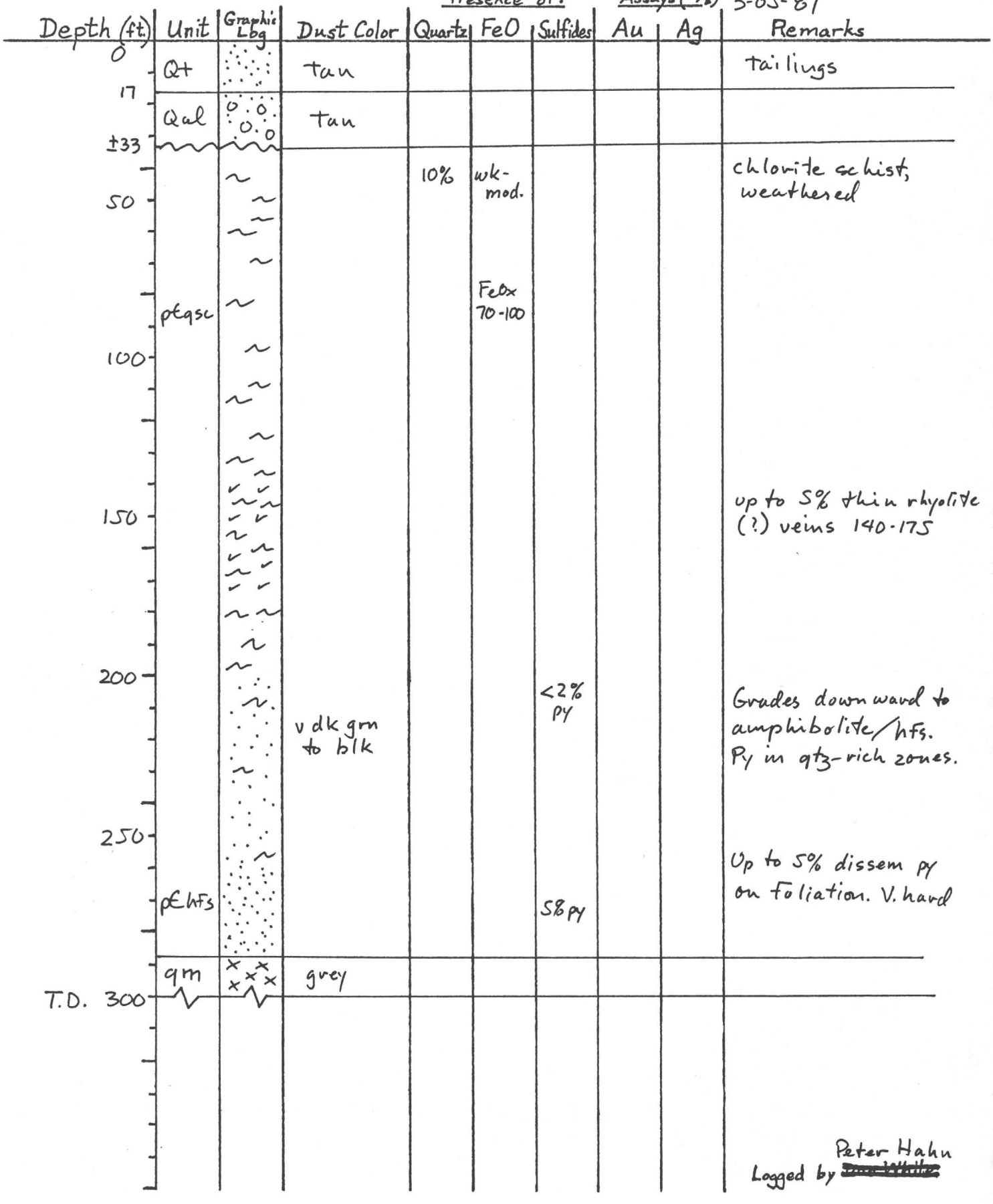
Logged by Peter Hahn

VULTURE MINE HOLE NO. C-2

Inclination: -90° Direction: Total Depth: 300

Scale 1" = 40' Loc (approx) 25,290 N, 20,630E Harris Drlg. Co.

Presence of: Assays (oz/t) 3-05-87



Logged by Peter Hahn

VULTURE MINE HOLE NO. C-3

Inclination: -90° Direction: Total Depth: 300

Scale 1" = 40' Loc (approx) 25,470 N, 20,630 E Harris Drlg Co

Presence of: Assays (oz/t) 3-05/06-87

Depth (ft)	Unit	Graphic Lbg	Dust Color	Quartz	FeO	Sulfides	Au	Ag	Remarks
0	Q+		tan						tailings
20									Qal (if any) < 6"
				loc veins 45-50					Chlorite schist
50	pegsc		tan to gy-grn						
					str ox 95 ↓ 115	Ø			
100									
150	qpi sill →								poss. thin qpi sill 150'
3-05 / 3-06 180									
200									Schist grades down to dk grn hfs-amphibolite.
250			? dk grn ↓ blk	up to 4%		tr?			lt cream qtzt or qpi 265-275 (< 10% of cuttings.)
T.D. 300	pEhfs								

Logged by Peter Hahn ~~Ivan White~~

VULTURE MINE HOLE NO. C-4

Inclination: -90° Direction: Total Depth: 55

Scale 1" = 40' Loc (approx) 26,170 N, 19,620 E Harris Drlg Co 3-06-87

Depth (ft)	Unit	Graphic Lbg	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
0	Qal								
11±			pink						Ox qm/colluvium
16	qm		gray-green	<10%	wk	Ø			Ox qm, grey-pink-brn.
50									
TD 55									

Logged by Peter Hahn

VULTURE MINE HOLE NO. C-5

Inclination: -90° Direction: Total Depth: 55

Scale 1" = 40' Loc (approx.) 25,630N, 19,560E Harris Drlg. Co

3-06-87

Depth (ft.)	Unit	Graphic Lbg.	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
0	Qal		tan						
17									
	gm		lt gy-grn, lt pink	<2%	mod ↓ wk	Ø			Qx qtz monz, pink @ top
~~80~~ 50									
TD 55									

Peter Hahn

~~Logged by David White~~

VULTURE MINE HOLE NO. C-6

Inclination: -90° Direction: Total Depth: 75

Scale 1" = 40' Loc (approx) 25,660 N, 20,280 E Harris Drlg. Co. 3-06-87

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
0	Qal		tan						
50	ptqsc		tan-lt gy	to 10%	wk	Ø			Schist, qtz abdt @ top, decr to TD
TD 75				<1%					
100									

Logged by Peter Hahn ~~Don White~~

Arizona Department of Water Resources

99 East Virginia Avenue
Phoenix, Arizona 85004
(602) 255-1553

APR 16 1987

Evan Mecham, Governor
Alan P. Kleinman, Director

B 050 050 06 WR 515596 XLOG
AF BUDGE MINING LTD 06
% BEN F DICKERON III
340 E SHOEMAN L 111B
SCOTTSDALE AZ 85251

B 060 060 35 WR 515602 XLOG
AF BUDGE MINING LTD 06
% BEN F DICKERON III
340 E SHOEMAN L 111B
SCOTTSDALE AZ 85251

B 050 050 07 WR 515597 XLOG
AF BUDGE MINING LTD 06
% BEN F DICKERON III
340 E SHOEMAN L 111B
SCOTTSDALE AZ 85251

Gentlemen:

The Department of Water Resources issued drilling authority six months ago for the well referenced by our file number on the label at the top of this form. Our records show that this well has not yet been completed.

Our experience shows that most wells are drilled soon after filing. Consequently, this letter is only intended as a courteous reminder that if the well has been completed, certain reports are required. If the well has not been drilled, you have some months remaining to complete the well.

Arizona Revised Statute 45-600 requires the driller to furnish a complete and accurate Log of the Well within 30 days of completion of drilling. Within 30 days after the installation of the pump equipment, a Completion Report is required.

Specifically, if your well has been completed, we need the following report(s) to bring the well into full compliance with the law:

1. ✓ Log of Well

2. ____ Completion Report

We will appreciate your immediate assistance in reporting if you have drilled or completed your well. Please contact this office if further assistance or information is required.

B 050 060 01 WR 515598 XLOG
AF BUDGE MINING LTD 06
% BEN F DICKERON III
340 E SHOEMAN L 111B
SCOTTSDALE AZ 85251

Sincerely,

Richard A. Gessner
Chief, Operations Division

RAG:
6-month letter

B 060 060 25 WR 515601 XLOG
AF BUDGE MINING LTD 06
% BEN F DICKERON III
340 E SHOEMAN L 111B
SCOTTSDALE AZ 85251

B 060 050 31 WR 515600 XLOG
AF BUDGE MINING LTD 06
% BEN F DICKERON III
340 E SHOEMAN L 111B
SCOTTSDALE AZ 85251

DWR-55-18-9/83

B 050 060 12 WR 515599 XLOG
AF BUDGE MINING LTD 06
% BEN F DICKERON III
340 E SHOEMAN L 111B
SCOTTSDALE AZ 85251

Peter H. Hahn, Geologist

3608 Big Bend Lane Reno, Nevada 89509 (702) 825-1948

MEMORANDUM

To: A. F. Budge (Mining) Ltd.
A. J. Fernandez, Sr. Mining Engineer

From: Peter H. Hahn
Consulting Geologist

Date: 29 April 1987

Subject: Vulture Mine, Maricopa County, Arizona: Water

During the period 2-26-87 to 3-07-87, I supervised reverse circulation drilling at the Vulture mine; I was present at all times during drilling operations and personally sampled all of the drill cuttings.

Ten holes were drilled, roughly on a N 15° W alignment along a trail from just inside the south line of Sec. 36, T6N, R6W, at the intersection of the trail with the Vulture Mine Road, to a point within Sec. 1, T5N, R6W about 1500 feet NW from the SE corner. These holes varied from 250 to 340 feet deep on a -60° angle (216 to 294 feet vertical depth). Vertical thickness of overburden varied from 16 to 52 feet. No water or moist cuttings were intersected in any of these holes.

Three vertical holes, 300 to 320 feet deep, were drilled within the old Vulture mill tailings, near the center of Sec. 36, T6N, R6W, a few hundred feet west of the old cyanide mill. No water or moist cuttings were intersected.

No water or moisture was found in the five angle holes in and near the Vulture Pit #1, to a depth of 120 feet below the pit floor, nor in the three short "peepholes", 55-75 feet deep, about a mile west of the Vulture townsite.

A. F. Budge (Mining) Limited
7340 E. Shoeman Lane, Suite 111 "B" (E)
Scottsdale, AZ 85251-3335
(Business Office)
Telephone: (602) 945-4630
Telex: 751739

May 5, 1987

Mr. Richard A. Gessner
Chief, Operations Division
Arizona Department of Water Resources
99 East Virginia Avenue
Phoenix, AZ 85004

Dear Mr. Gessner:

In response to your recent request for data on our drilling which we completed in early March on the Vulture Mine property, I have enclosed two well driller reports.

I have not included a separate log for each well, however, these can be supplied if you should desire them.

Essentially, since September 27, 1986, we have, in two separate drilling programs, drilled 42 exploration holes. Of these, 32 were located on patented claims in section 36, T 6 N, R 6 W; 10 were located in Section 1, T 5 N, R 6 W, covered by Registration No. 55-515603, File No. B(6-6)36; and Registration No. 55-515598, File No. B-(5-6)1. All other applications for drilling, i.e. Registration No. 55-515596, 55-515597, 55-515599, 55-515600, 55-515601 and 55-515602, have not been acted upon. No additional drilling is contemplated at this time.

With the two well driller reports, I have attached a typical log from each area. No water was encountered in any of the drilling. A letter to this effect from our consulting geologist is enclosed.

Please advise if you desire copies of logs of all holes drilled. Also, please do not hesitate to contact me if you require any additional information on this matter.

Sincerely,

Carole A. O'Brien

Carole A. O'Brien

encls.

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	30/50	alluvium
30/50	end	bedrock; Precambrian schist
		(no water encountered in any of the holes drilled)

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller_____
Name

_____
Address

_____
City State Zip

Date_____

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
99 EAST VIRGINIA AVENUE
PHOENIX, ARIZONA 85004

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner (Lessor) A.F. Budge (Mining) Limited c/o Carole A. O'Brien
   Name
   7340 E. Shoeman Lane, Suite 111"B"(E), Scottsdale, AZ 85251
   Mailing Address
2. Driller Hugh M. Harris Drilling Company
   Name
   11650 Iberia Place, Suite N-1, San Diego, CA 92128-2479
   Mailing Address
3. Location of wells: Section 1, Township 5 North, Range 6 West
4. Permit No. (if issued) 55-515598

DESCRIPTION OF WELL

5. Total depth of hole min. 60 max 300 ft. (total of 10 exploration wells)
6. Type of casing _____
7. Diameter and length of casing _____ in. from _____ to _____, _____ in from _____ to _____.
8. Method of sealing at reduction points holes backfilled with cuttings
9. Perforated from _____ to _____, from _____ to _____, from _____ to _____.
10. Size of cuts _____ Number of cuts per foot _____
11. If screen was installed: Length _____ ft. Diam _____ in. Type _____
12. Method of construction _____
    drilled, dug, driven, bored, jetted, etc.
13. Date started September (Month) 27 (Day) 1986 (Year)
14. Date completed March (Month) 3 (Day) 1987 (Year)

Drilling completed in two phases

15. Depth to water none encountered ft. (If flowing well, so state.)
16. Describe point from which depth measurements were made, and give sea-level elevation if available _____
17. If flowing well, state method of flow regulation: _____
18. Remarks: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

REG. NO. _____

File No. _____

Entered _____ By _____

DWR-55-6-Rev. 8/85

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	5/10	alluvium
5/10	end	bedrock; Precambrian schists
		Laramide intrusive
		(no water encountered in any of the
		holes)

I hereby certify that this well was drilled by me (or under my supervision), and that each and all of the statements herein contained are true to the best of my knowledge and belief.

Driller_____
Name

_____
Address

_____
City State Zip

Date_____

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
99 EAST VIRGINIA AVENUE
PHOENIX, ARIZONA 85004

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner (Lessor) A.F. Budge (Mining) Limited c/o Carole A. O'Brien
   Name
   7340 E. Shoeman Lane, Suite 111 "B"(E), Scottsdale, AZ 85251-3335
   Mailing Address
2. Driller Harris Drilling Company
   Name
   11650 Iberia Place, Suite N-1, San Diego, CA 92128-2479
   Mailing Address
3. Location of well: Section 36, Township, Township 6 North, Range 6 West
4. Permit No. (if issued) 55-5156603

DESCRIPTION OF WELL

5. Total depth of hole min.50; max. 300 ft. Total of 32 exploration holes
6. Type of casing _____
7. Diameter and length of casing _____ in. from _____ to _____, _____ in from _____ to _____.
8. Method of sealing at reduction points holes backfilled with cuttings
9. Perforated from _____ to _____, from _____ to _____, from _____ to _____.
10. Size of cuts _____ Number of cuts per foot _____
11. If screen was installed: Length _____ ft. Diam _____ in. Type _____
12. Method of construction _____
    drilled, dug, driven, bored, jetted, etc.
13. Date started September (Month) 27 (Day) 1986 (Year) Drilling completed in two phases
14. Date completed March (Month) 7 (Day) 1987 (Year)
15. Depth to water non encountered ft. (If flowing well, so state.)
16. Describe point from which depth measurements were made, and give sea-level elevation if available _____
17. If flowing well, state method of flow regulation: _____
18. Remarks: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

REG. NO. _____

File No. _____

Entered _____ By _____

DWR-55-6-Rev. 8/85

HUGH M. HARRIS DRILLING COMPANY
Drilling Contractors Since 1956
11650 IBERIA PLACE, SUITE N-1 / SAN DIEGO, CALIFORNIA 92128-2479
Telephone (619) 487-5136

March 12, 1987

A. F. Budge (Mining) Limited
7340 East Shoeman Lane
Suite 111 "B"
Scottsdale, Arizona 85251

Attention: Ms. Carole O'Brien

APPLICATION FOR PAYMENT

Re: Our Number 87-02, Vulture Mine
Wickenburg, Arizona
Rig Number 1 - Anderson Driller

Services Rendered - February 25, 1987 thru March 8, 1987:

Angle Hole Number VS-1:
Drilled 0-300TD = 300 ft.

Angle Hole Number VS-2:
Drilled 0-300TD = 300 ft.

Angle Hole Number VS-3:
Drilled 0-300TD = 300 ft.

Angle Hole Number VS-4:
Drilled 0-300TD = 300 ft.

Angle Hole Number VS-5:
Drilled 0-300TD = 300 ft.

Angle Hole Number VS-6:
Drilled 0-340TD = 340 ft.

Angle Hole Number VS-7:
Drilled 0-250TD = 250 ft.

Angle Hole Number VS-8:
Drilled 0-260TD = 260 ft.

Angle Hole Number CS-9:
Drilled 0-250TD = 250 ft.

Angle Hole Number VS-10:
Drilled 0-250TD = 250 ft.

Angle Hole Number H-59:
Drilled 0-150TD = 150 ft.

Angle Hole Number H-60:
Drilled 0-160TD = 160 ft.

Vertical Hole Number H-61:
Drilled 0-120TD = 120 ft.

Vertical Hole Number H-62:
Drilled 0-120TD = 120 ft.

Vertical Hole Number H-63:
Drilled 0-120TD = 120 ft.

Vertical Hole Number C-1:
Drilled 0-320TD = 320 ft.

Vertical Hole Number C-2:
Drilled 0-300TD = 300 ft.

Vertical Hole Number C-3:
Drilled 0-300TD = 300 ft.

Vertical Hole Number C-4:
Drilled 0-55TD = 55 ft.

Vertical Hole Number C-5:
Drilled 0-55TD = 55 ft.

Vertical Hole Number C-6:
Drilled 0-75TD = 75 ft.

Mobilization and Demobilization:			
Per Agreement			$ 750.00
Drilling - Footage Rates:			
Vertical	0-300 feet - 1,445 ft. @ $6.00 per ft.	$ 6,870.00	
Vertical	300-320 feet - 20 ft. @ $6.00 per ft.	120.00	
Angle	0-300 feet - 3,120 ft. @ $6.50 per ft.	20,280.00	
Angle	300-340 feet - 40 ft. @ $6.50 per ft.	260.00	
Total Footage Rates			$27,530.00
Moving Between Holes In Excess of One-Half Hour Per Hole:			
3-3-87 - 1/4 Hour			
3-4-87 - 1/4 Hour			
Total - 1/2 Hour - No Charge			---

TOTAL AMOUNT NOW DUE FOR RIG NUMBER ONE.....$28,280.00

THANK YOU

	H-32	150	- 60	65	90	25			0.074	24.9
	H-35	100	- 60	40	50	10			0.070	10.0
Pegasus										
1982	1	400	- 90	0	10	10			0.052	8.2
	2	400	- 90	0	5	5			0.100	4.1
	3	400	- 90	45	50	5			0.032	4.1
				60	65	5			0.046	4.1
	5	400	- 90	50	55	5	0.378	4.1	0.100	4.1
	7	370	- 90	40	45	5			0.036	4.1
	8	400	- 90	80	85	5	2.790	4.1	0.100	4.1
	10	415	- 90	125	130	5			0.052	4.1
	47	80	- 90	10	20	10			0.046	8.2
	50	100	- 90	10	20	10			0.040	8.2
	66	140	- 90	22	34	12	0.248	9.8	0.100	9.8
	69	140	- 90	120	130	10			0.030	8.2
	77	78	- 90	32	42	10			0.038	8.2
	87	128	- 90	0	24	24			0.032	19.7
	89	128	- 90	46	58	12			0.046	9.8
	90	108	- 90	34	56	22			0.032	18.0
	95	58	- 90	12	24	12			0.050	9.8
					averages		0.652	10.9	0.056	15.0

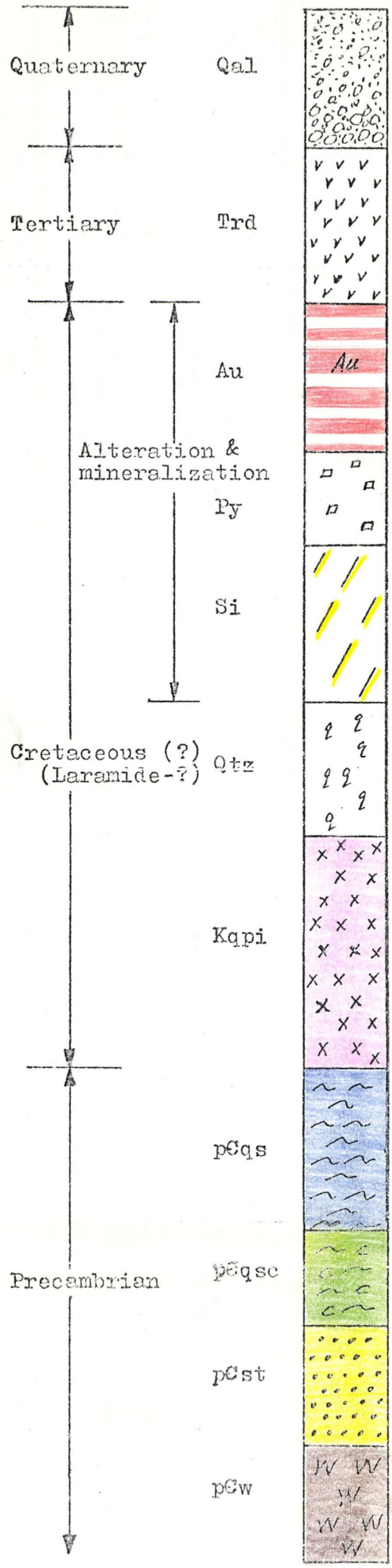
Vulture Drilling

	Hole	Total Depth	Angle	From	To	Interval	High Grade oz/t	True Width (35)	Grade oz/t	True Width (35)
Phase I										
April, 1984	84-2	150	- 60	30	50	20			0.060	19.9
	84-3	150	- 60	80	90	10			0.053	10.0
	84-4	150	- 60	115	140	25			0.055	24.9
	84-7	150	- 60	55	65	10			0.055	10.0
				105	130	25			0.042	24.9
	84-9	150	- 60	10	25	15			0.048	14.9
				85	105	20	0.855	19.9	0.100	19.9
	84-10	160	- 60	0	35	35			0.031	34.9
	84-12	150	- 60	110	120	10			0.055	10.0
	84-13	180	- 60	85	110	25	0.383	24.9	0.100	24.9
	84-14	150	- 60	130	140	10			0.058	10.0
	84-15	150	- 60	125	140	15	0.155	14.9	0.100	14.9
	84-17	160	- 60	15	30	15			0.067	14.9
Phase II										
May, 1984	H-3	120	- 90	65	80	15			0.060	12.3
	H-5	120	- 90	75	90	15			0.058	12.3
				105	120	15			0.092	12.3
	H-6	140	- 90	35	50	15			0.040	12.3
	H-10	100	- 90	30	45	15	0.125	12.3	0.100	12.3
	H-12	120	- 90	110	120	10	0.938	8.2	0.100	8.2
	H-14	50	- 90	0	15	15			0.050	12.3
				35	50	15			0.045	12.3
Phase III										
November, 1984	H-15	200	- 90	40	65	25			0.046	20.5
				90	100	10			0.092	8.2
	H-16	160	- 60	30	68	38			0.046	37.8
				80	100	20			0.078	19.9
	H-17	160	- 60	5	15	10			0.046	10.0
	H-18	160	- 60	20	45	25			0.054	24.9
	H-19	140	- 60	60	100	40			0.061	39.8
	H-20	160	- 60	20	40	20			0.048	19.9
				110	125	15			0.057	14.9
	H-21	160	- 60	20	35	15			0.035	14.9
	H-22	160	- 60	5	30	25			0.080	24.9
				50	65	15			0.038	14.9
	H-24	200	- 90	125	150	25			0.092	20.5
	H-25	140	- 60	105	140	35			0.043	34.9
	H-26	150	- 60	35	45	10			0.039	10.0
				95	115	20			0.055	19.9
	H-27	180	- 90	60	85	25			0.045	20.5

VULTURE MINE

GRAPHIC DRILL LOG LEGEND

Compiled from rotary-reverse circulation chips



ALLUVIUM, colluvium; derived from the same rocks as in this sequence except for granodiorite from ≥2 miles NW. Varied but generally low degree of rounding, sorting, and stratification.

RHYOLITE DIKE; white, aphanitic, cross-cutting unit up to 15 feet in drill intercept thickness. Commonly contains black Mn dendrites on joint surfaces. Only known to occur in W portion of property near pits 3 and 4.

GOLD; noted in graphic log where significant assays are reported. Thought to be cogenetic with other Laramide (?) events like qtz-pphy intrusion and associated pyritization, silicification, and quartz veining (see below).

PYRITE; generally tiny (≤0.5mm) disseminated cubes. Often in qtz or intensely silicified rocks.

SILICIOUS ROCK; thought to be introduced silica related to the qtz-pphy intrusive. Often obscures foliation and sometimes prevents identity of the original rock type. Intense silicification yields an amorphous quartzite.

QUARTZ; only used to designate vein or bull quartz and discrete, visible qtz as in qtz-rich siltite and qtz-pphy intrusive. May harbor sulfides (py, gal) and native gold.

QUARTZ-PORPHYRY INTRUSIVE; med to coarse-grained, altered (sericitized, pyritized, silicified) granite to qtz-monzonite with qtz porphyroblasts (often up to 4mm dia). Quartz is typically a soft, pastel green (chloritic-?) or pale gray to milky. Emanates as an apophysis from stock to the W of pit 3. Generally semi-conformable, sill-like.

QUARTZ-SERICITE SCHIST; brown, gray, tan, or almost white, thin laminated, fine to med grained quartz and sericite. Often iron stained. Gradational to siltite or wacke (see below) and prone to silicification.

QUARTZ-SERICITE-CHLORITE SCHIST; same as above with the addition of a chlorite component (usually < 20%).

SILTITE; brown or tan to light gray, poorly foliated, very fine grained, meta-silt. Often a quartzite. Grades finer to quartz-sericite schist or coarser to wacke.

WACKE; brown, tan, or med to dark gray, poorly foliated, med grained, meta-wacke. Grades to siltite and qtz-ser schist. Prone to silicification.

Don White - Dec. 1984

Vulture
Drill Logs
"84" 1-18
"H" 1-58

VULTURE MINE HOLE NO. H-1

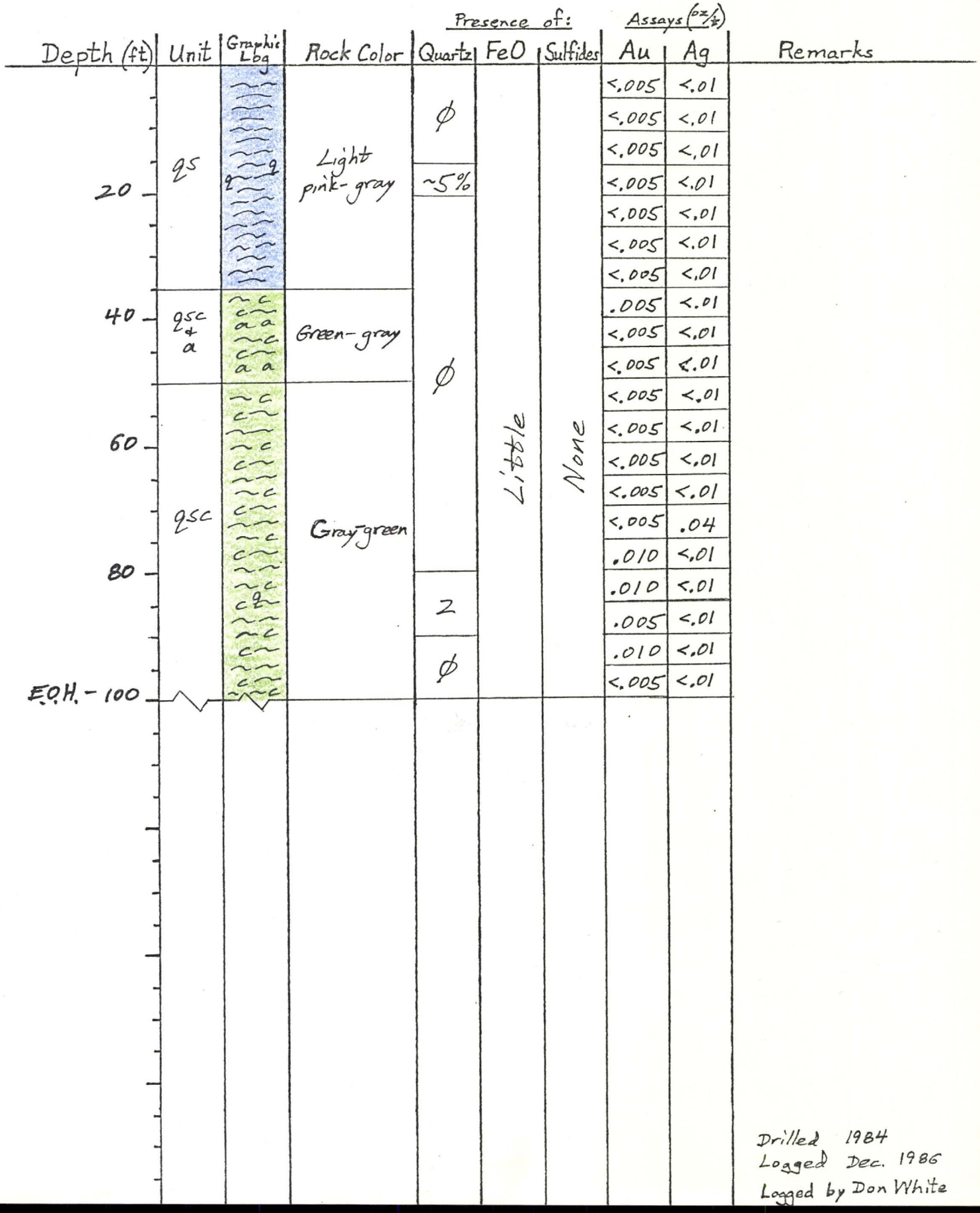
Inclination: Vertical Direction: Vert. Total Depth: 300'

Hole drilled to 130' in April or May, 1984; extended to 300' Oct. 1984

Depth (ft.)	Unit	Graphic Lbg	Dust* Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	Qal		* Rock color thru 130' dust (cuttings) color beyond. Alluvium				<.005	All Silver assays < .01 oz/t	Qal derived from both Kqpi and pf gneiss
							<		
							<		
20'							<		Coarse drilling 15'-20'; probably in cobbles
~21'							<		
	pf qs		Red-gray	ϕ	Little	None	<		White, bull qtz.
				10%			<		
40				5			<		
				ϕ			<.005		Well foliated
				5			.010		
							.005		
60	qsc		Green-gray	10	ϕ		.005		Very poorly foliated, saccharoidal.
							.010		
				5	Little		.005		
			White + red-brown	30			.010		
80							.005		
			Red brown	5	Some		.010		Poorly foliated.
							.010		
							<.005		
100							<.005		
	qs		Green-gray	2	Little		.005		
							<.005		
							<		
120							<		
							<		
							<.005		125-130; Hairline blood-red weathering veinlets of hematitic quartz.
130'		Au					0.095		Old hole to 130'
	pfqs								
			Brown-pink	5%	Slight		0.016	No Ag assays 130-300'	New hole, extention
140'							0.008		
			Very light gray	5%			0.007		Very intensely silicified
148'							0.016		
	Kqpi	Au	White	60%	Much	2% py Trace gal	0.073	Au	7.7' true thickness @ 0.064
		Au					0.055		
160									
			White	80%		Trace py	0.005		
							0.007		
							0.034		
		Au					0.041		
181'							0.056		← Assay for 180'-181'
			Old Workings						Mined out; old open mine workings beneath Pit 1
202'	-?-?-								
			No sample return						Solid rock but no sample return because material blew out in workings (above)
211'									
	pfqs		Gray	± 1%	± Slight	± Trace py	0.007		
							0.002		
							0.003		
							0.003		
							Trace		
							0.002		Grades darker gray-green with depth and grades less schistose until bottom 10 ft (290-300) which are more schistose again
							0.003		
							0.002		
							0.001		
							0.002		
							0.009		
							0.002		
							0.002		
							0.002		
							Trace		
	pfqs						0.002		
							0.002		Logging of old hole, ϕ-130' by Don White, Dec. 1986
300' EOH							0.002		Logged by Don White, Nov '84

VULTURE MINE HOLE NO. H-2

Inclination: Vertical Direction: Vert. Total Depth: 100'

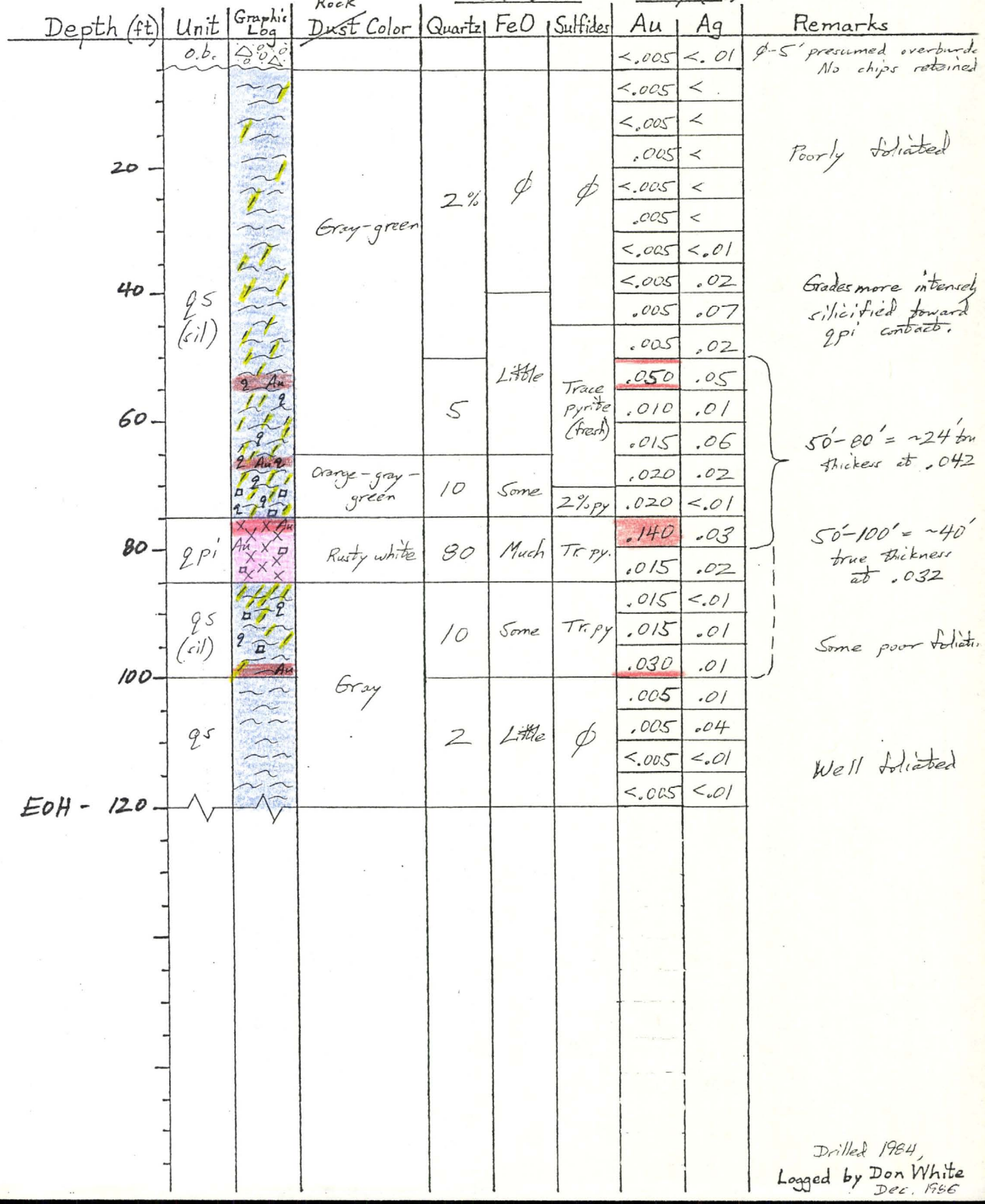


Drilled 1984
Logged Dec. 1986
Logged by Don White

VULTURE MINE HOLE NO. H-3

Inclination: Vertical Direction: Vert. Total Depth: 120'

Drilled 1984, logged Dec. 1986



Depth (ft)	Unit	Graphic Log	Rock Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	o.b.						<.005	<.01	∅-5' presumed overburde No chips retained
	qs (sil)		Gray-green	2%	∅	∅	<.005	<	
							<.005	<	
20							.005	<	Poorly foliated
							<.005	<	
							.005	<	
							<.005	<.01	
40							<.005	.02	Grades more intensely silicified toward qpi contact.
							.005	.07	
							.005	.02	
					Little	Trace pyrite (fresh)	.050	.05	
60				5			.010	.01	
							.015	.06	50'-80' = ~24' true thickness at .042
			Orange-gray-green	10	Some	2% py	.020	.02	
							.020	<.01	
80	qpi		Rusty white	80	Much	Tr. py.	.140	.03	50'-100' = ~40' true thickness at .032
							.015	.02	
	qs (sil)			10	Some	Tr. py	.015	<.01	
							.015	.01	Some poor foliati.
100			Gray				.030	.01	
	qs			2	Little	∅	.005	.01	
							.005	.04	
							<.005	<.01	Well foliated
EOH - 120							<.005	<.01	

Drilled 1984,
Logged by Don White
Dec. 1986

VULTURE MINE HOLE NO. H-4

Inclination: Vertical Direction: Vert. Total Depth: 130'

Drilled 1984, logged 1986

Depth (ft.)	Unit	Graphic Log	Rock Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	qs			5%		Tr. py	<.005		No o.b.
			Green-gray	2			<		
							<		Poorly foliated
20					ϕ	ϕ	<		
			Blue-gray	ϕ			<		
							<.005		
40	st			5		Tr. py	.010		
							.015		Not foliated
			Brown-gray		Little	ϕ	.010		
				2			.005		
60						Tr py	.010		
							.005		
							.005		
	Presumed workings		Stoped ?	?	?	?			No chips 70'-90' No assays either, therefore presumed to be a void (workin
80									
	W	W W W W W	Brown-gray	10		ϕ	.010		
100							<.005		
	qs					Tr. py.	<.005		Modestly foliated
				40	Little		<.005		
			Brown	20		1% py	.005		
				5		2% py	<.005		
120				2		Trace py	<.005		
E.O.H.- 130				5			<.005		

All silver assays < .01 oz/t

Logged by Don White

VULTURE MINE HOLE NO. H-5

Inclination: Vertical Direction: Vert. Total Depth: 120'

Drilled spring 1984, logged Dec 1986

Depth (ft)	Unit	Rock Color (~~Dust~~)	Quartz	FeO	Sulfides	Au (oz/t)	Ag (oz/t)	Remarks
0–5	qs	Gray-green	5	Little	None	<.005	Silver assays to 75' all < .01 oz/t	No overburden
5–10						.005		Poorly foliated
10–15			20			<.005		Gray, vitreous qtz.
15–20						<		
20–25		Silver-gray	2			<		Locally well & poorly foliated, variable
25–30						<		
30–35		Gray-green				<.005		
35–40		Red-gray				.005		
40–45	qs					.010		
45–50			10			.040		Wt. bull qtz
50–55						<.005		
55–60	qs (sil)	Brown-gray	2	ϕ		<.005		
60–65						<.005		
65–70			ϕ			.010		Poorly foliated
70–75						No assay	No assay	Void-?
75–80			40	Little		.085	.02	80'-120'± = 25'± true (excluding void) at .075 oz/t Au
80–85			20			.040	<.01	
85–90						.050	.03	
90–105	Presumed workings	Stoped (?)	?	?	?			No samples, or assays 90'-105'. Therefore presumed void, workings.
105–110	qs (sil)		10	Some	~1% pyrite casts	.070	.01	Poorly foliated.
110–115						.090	.10	Some py casts up to 2 mm.
115–120			40			.115	.02	

E.O.H. - 120

Hole should have been drilled deeper; quartz, iron oxide, and sulfide not to mention gold, all increasing at bottom of hole.

Logged by Don White

VULTURE MINE HOLE NO. H-6

Inclination: Vertical Direction: Vert. Total Depth: 115'

Drilled spring, 1984; logged Dec. 1986

Depth (ft.)	Unit	Graphic Log	Rock Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	st		Gray-brown	ϕ	ϕ	Tr. py	<.005	<.01	No overburden
	st		Gray-brown	~5%	ϕ	ϕ	<	<	
	st		Gray-brown	~5%	ϕ	ϕ	<	<	
20	or qs (sil)		Green-gray	ϕ	ϕ	ϕ	<	<	Very siliceous & poorly foliated.
	or qs (sil)		Green-gray	ϕ	ϕ	ϕ	<	<	
	or qs (sil)		Green-gray	ϕ	ϕ	ϕ	<	<	
	or qs (sil)		Green-gray	ϕ	Little	Trace pyrite	<.005	<.01	35'-50' = 12' true at .04 oz/t
40	qs	Au	Gray	50	Some	Trace pyrite	.050	.01	Vitreous quartz
	qs		Gray	20	Some	Trace pyrite	.010	<.01	Vitreous quartz
	qs	Au	Gray	10	Little	Trace pyrite	.060	.01	Vitreous quartz
	qs		Gray	5	ϕ	ϕ	<.005	<.01	
60	qsc	c	Green-gray	10	ϕ	ϕ	.005	.01	Milky white qtz
	qsc	c	Green-gray	10	ϕ	ϕ	.020	.03	Milky white qtz
	qs		Brown-gray	5	ϕ	ϕ	<.005	<.01	
	qs		Brown-gray	5	ϕ	ϕ	<.005	<.01	
80	qs		Brown-gray	5	ϕ	ϕ	.010	<.01	
	qs		Brown-gray	5	ϕ	ϕ	.015	.01	
	Presumed workings		?	?	?	?			No chips nor assays, 85'-95', presumed void from workings
	qsc	c	Green-gray	5	ϕ	ϕ	.025	<.01	
100	qsc	c	Green-gray	ϕ	ϕ	ϕ	.005	<	
	qsc	c	Green-gray	ϕ	ϕ	ϕ	.005	<	
E.O.H. - 115	qsc	c	Green-gray	ϕ	ϕ	ϕ	.010	<.01	

Logged by Don White

VULTURE MINE HOLE NO. H-7

Inclination: Vertical Direction: Vert. Total Depth: 100'

Drilled spring, 1984; logged Dec. 1986

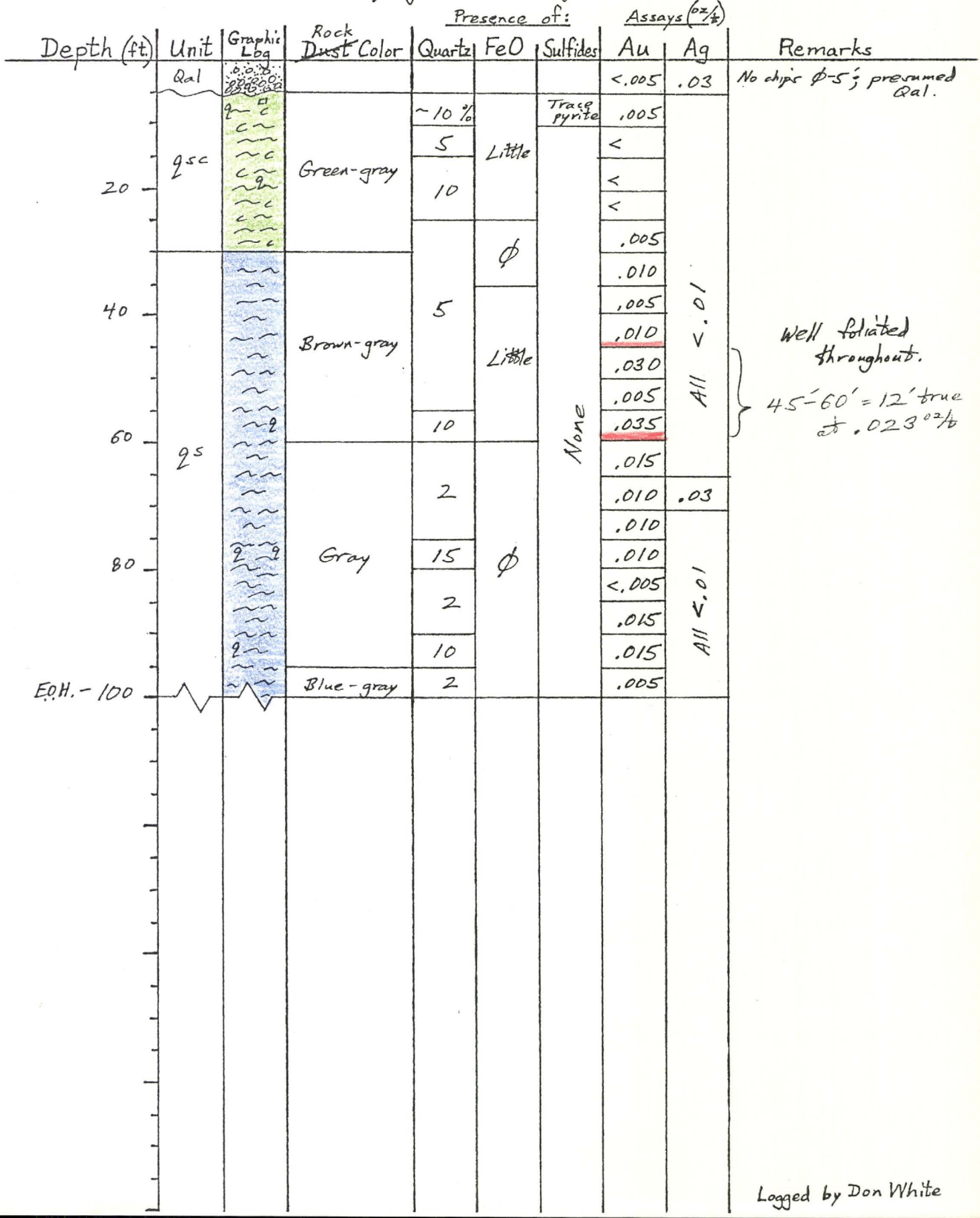
Depth (ft.)	Unit	Graphic Log	Rock ~~Dust~~ Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
~5'	Qal						.005		pt gneiss cobbles & pebbles
~8'	aw		Dark gray	ϕ	Little	ϕ	.005	All <.01	
	qpi'		Light gray	80	Some	Trace pyrite	.015		10'-25' = 12' tr. at .023 oz/t
20							.030		
	aw (sil)		Dark gray	20			.025	.04	
	w+qs		Gray	5	Little	ϕ	<.005	All <.01	
							.015		
40			Brown-gray	2	ϕ		<.005		
							.010		Poorly foliated throughout.
			Gray	20			.010		
			Brown-gray	5	Little		.005		
60							<.005		
				2			<.005		
							<.005		
							.005		
80	qsc		Green-gray	ϕ	Some	ϕ	.010		
					ϕ		<.005		
							.005		
							<.005		
E.O.H. - 100				5	Little		<.005		

Logged by Don White

VULTURE MINE — HOLE NO. H-8

Inclination: Vertical — Direction: Vert. — Total Depth: 100'

Drilled spring of 1984, logged Dec. 1986



Depth (ft.)	Unit	Graphic Log	Rock ~~Dust~~ Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	Qal						<.005	.03	No chips 0-5'; presumed Qal.
	qsc		Green-gray	~10 %	Little	Trace pyrite	.005	All <.01	
				5			<		
20				10			<		
							<		
					ϕ		.005		
							.010		
40			Brown-gray	5			.005		
					Little		.010		Well foliated throughout.
							.030		45'-60' = 12' true at .023 oz/t
							.005		
60				10			.035		
	qs					None	.015		
				2			.010	.03	
							.010		
80			Gray	15	ϕ		.010		
							<.005		
				2			.015	All <.01	
				10			.015		
E.O.H. - 100			Blue-gray	2			.005		

Logged by Don White

VULTURE MINE HOLE NO. H-9

Inclination: Vertical Direction: Vert. Total Depth: 100'

Drilled spring of 1984, logged Dec. 1986

Depth (ft.)	Unit	Graphic Lbg	Rock ~~Dust~~ Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	Qal						<.005	<.01	Granite gneiss-derived alluvium & ab.
							<	<.01	
							<	.03	
20				~5%	ϕ		<	.02	
	qsc		Green-brown	50			<		Milky white bull qtz. vein
				10	Little		<		
				5			<		
40				1		None	<		Poorly foliated
							<.005		
	qsa		Gray-black				.015		
				10			.005	All < .01	
60			Gray-green		ϕ		<.005		
				2			<		Some epidote
	qsc						<		Moderately foliated
80			Blue-gray-green	ϕ			<		
							<		
				1			<		
EOH - 100							<.005		

Logged by Don White

VULTURE MINE HOLE NO. H-10

Inclination: Vertical Direction: Vert. Total Depth: 100'

Drilled spring of 1984, logged Dec. 1986

Depth (ft.)	Unit	Graphic Log	Rock ~~Dust~~ Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	Qal						.005	<.01	Granite gneiss alluvium
	qs		Gray-brown	~5%	Some	None	<.005	<.01	
							<.005	<.01	
20							.005	<.01	
					Little		.005	<.01	
				2	ϕ		.010	.02	25'-45' = 16' true at .095 oz/t with no discounting at .34 assay. Mostly well foliated
							.030	.06	
40							<.005	<.01	
				5			.340	.05	
				1			<.005	<.01	
							.010	<.01	
60							<.005	<.01	
							.015	.02	
				5			<.005	<.01	
	(qs sil)						.010	<.01	
80	qpi		Gray-green	40			.010	<.01	
				70	Little		.035	.10	
	(w sil)		Green-black	2			.005	<.01	
	qsc		Green-brown		ϕ		<.005	<.01	
E.O.H. — 100							<.005	<.01	

Logged by Don White

VULTURE MINE — HOLE NO. H-11

Inclination: Vertical — Direction: Vert. — Total Depth: 100'

Drilled spring of 1984, logged Dec. 1986

Depth (ft.)	Unit	Graphic Lbg	Rock ~~Dust~~ Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	qsa		Dark brown	~1%	Little		.005	.08	
							<.005		
							.005		
20	qs		Brown	3	ϕ	None	<	All < .01 oz/t Ag	Modestly foliated
							<		
				1			<		
							<		
40							.005		
							.010		
				5			.020		
							.005		
60	qpi		Gray-green	50			<		
							<		
~67'							<		
~72'	qs		Brown	10	Little		.010		
~78'	qpi		Gray-green	50			.005		
80							.005		
	qs (sil)		Red-brown	1			.005		Poorly foliated
				ϕ	ϕ		.005		
EOH — 100							<.005		

Logged by Don White

VULTURE MINE — HOLE NO. H-12

Inclination: Vertical — Direction: Vert. — Total Depth: 250'

Hole drilled to 120' in April or May, 1984; extended to 250 Oct. 1984; logged initial 100' Dec. 1986.

Depth (ft)	Unit	Graphic Log	Rock Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	Trd		White	All-?			<.005	<.01	MnO dendrites. Massive, aphanitic rhy.
							<.005	<.01	
							<.005	<.01	
20	pf qsc		Gray-green	~3%			.050	.05	Poorly foliated, particularly adjacent to qpi
							.025	<.01	
				ϕ			.010	<.01	
							.005	.03	
40	K qpi		Light gray-green	70		None	.030	.02	15'-60' = 37' true at .025 oz/t
	pf qsa		Gray	2	None		.040	.06	
							.005	<.01	
							.010	.04	
60							.050	.03	
	Trd		White	All-?			.015	.03	MnO dendrites & massive, aphanitic rhy. like above
							<.005	<.01	
	pf qsa (sil)		Dark gray green	1			<.005	<.01	
			Light gray green	20			<.005	<.01	
80							<.005	<.01	
	pf qsc (sil)		Gray-green	5			<.005	<.01	
						~1% fresh py	.010	.03	Very fine grained, disseminated, fresh pyrite within qpi
100							.010	.01	
							0.005	0.01	
Old drilling to 120'							<.005	0.02	Pre-existing hole to 120'
			White	90%	Some		0.730	0.16	Best mineralization coincides with probable qtz veins within qpi. Metals not visible
120'							1.145	0.29	10 ft @ 0.94 oz/t Au (8' true thickness)
New drilling	Kqpi						0.004		
						Trace fresh pyrite	0.005		
			White	60%	Slight		0.004		
							0.002		
							0.008		
							Trace		
153'							0.002		
	pE qs (silicified)		Gray-brown		Slight		0.003		Intensely silicified (153'-200')
164'							0.004		
			Gray-blue-green	5%		Trace py	Trace		Green tint from ~5% epidote
175							0.002		
			Blue-gray	2%		Trace py	0.005		
							Trace		
	pE qs (silicified)						0.002		
195			Blue-gray	5%	Much	3% py	Trace		
200							Trace		
	Kqpi		Blue-brown	60%	Some	1% py	Trace		
							Trace		
215			Blue-brown	40%	Some	3% py	Trace		
							0.002		
225							0.002		
			White	60%	ϕ	ϕ	0.002		
							Trace		
	Kqpi						0.002		
250' EOH									Logged by Don White

VULTURE MINE — HOLE NO. H-13

Inclination: Vertical — Direction: Vert. — Total Depth: 110'

Drilled spring of 1984, logged Dec. 1986

Depth (ft)	Unit	Graphic Log	Rock ~~Dust~~ Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
							.015	<.01	Ø-10' = 8' true at .02 oz/t
				~10%	Little		.025	.06	
			Gray-brown				.010	<.01	
20	qS						<.005	.01	
				5			<.005	<.01	
			Gray	/	Ø		.025	<.01	
			Gray-brown		Little		<.005	<.01	
40				Ø			<	<	
			Green-gray				<	<	
							<	<	Poorly foliated throughout
					Ø		<	<	
60	qSC		Gray			None	.010	.02	
				/			<.005	<.01	
							<	<	
							<	<	
80			Green-brown		Little		.005	<	
							<	<	
							<	<	
					Ø		<	.01	
	qS (sil)			Ø			<	.05	
100			Blue-gray						
				/	Little	Trace pyrite	<	<.01	
E.O.H. — 110							<.005	<.01	

Logged by Don White

VULTURE MINE HOLE NO. H-14

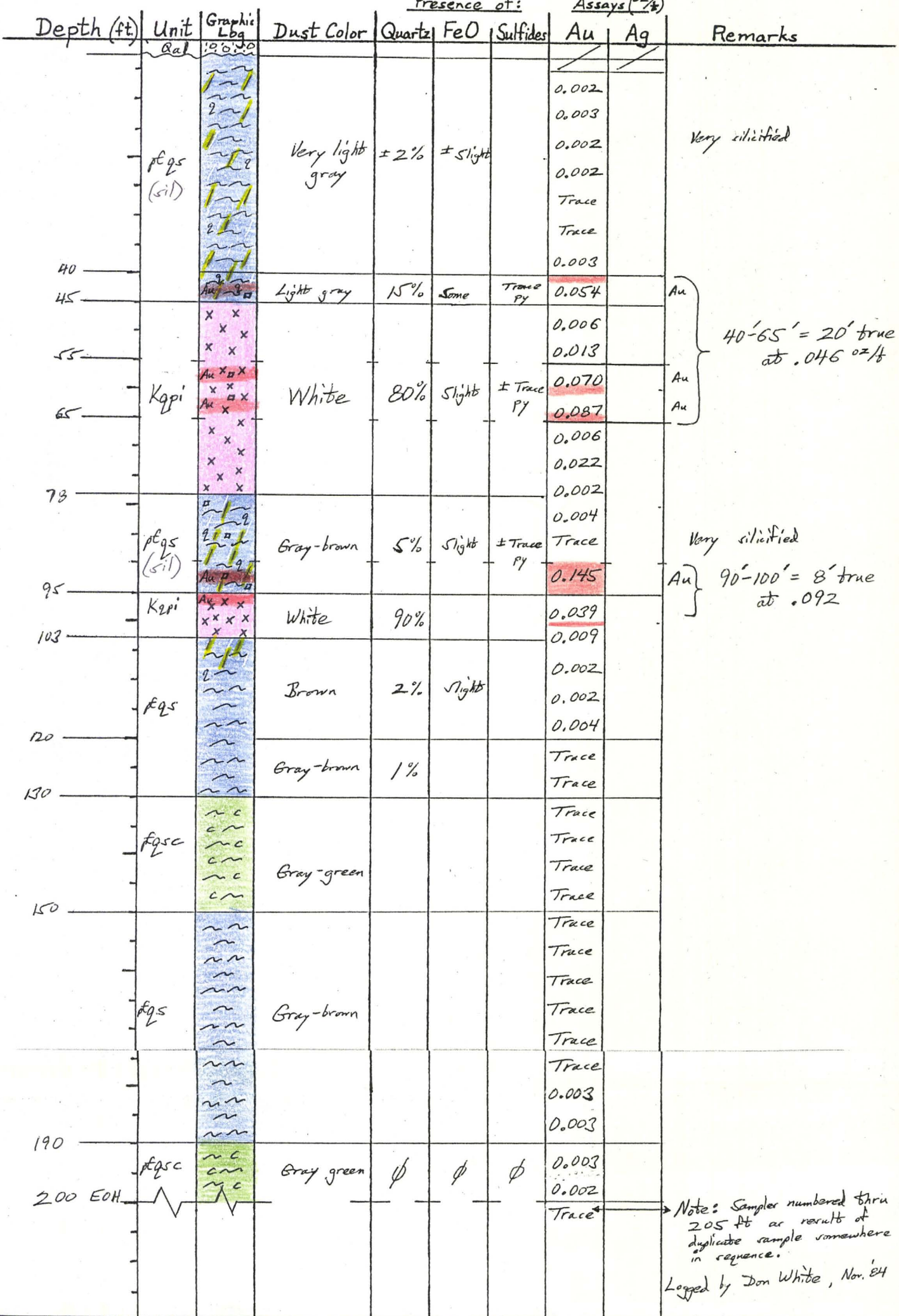
Inclination: Vertical Direction: Vert. Total Depth: 50'

Depth (ft)	Unit	Graphic Log	Rock Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	qs	q Au q	Gray-brown	~10%	Some		.020	<.01	Probably ~1' ob including pyritic amphibolite contaminating first sample.
							.085	<.01	
							.050	.03	ϕ-15' = 12' true at .052
20	qsc	q c c q c c c c c	Gray-green	5	Little	ϕ	.005	.04	
							.010	<.01	
				2			<.005	<.01	Foliated
							<.005	<.01	
		Au					.040	<.01	Pyrite euhedra 35'-50+' = 12+' true at .045
40	qs	q	Gray-brown	5	Some	~1% py	.015	<.01	
E.O.H.-50		Au					.080	<.01	No chips available for 45'-50'

Drilled 1984
Logged Dec. 1986
Logged by Don White

VULTURE MINE — HOLE NO. H-15

Inclination: −90° | Direction: Vertical | Total Depth: 200′

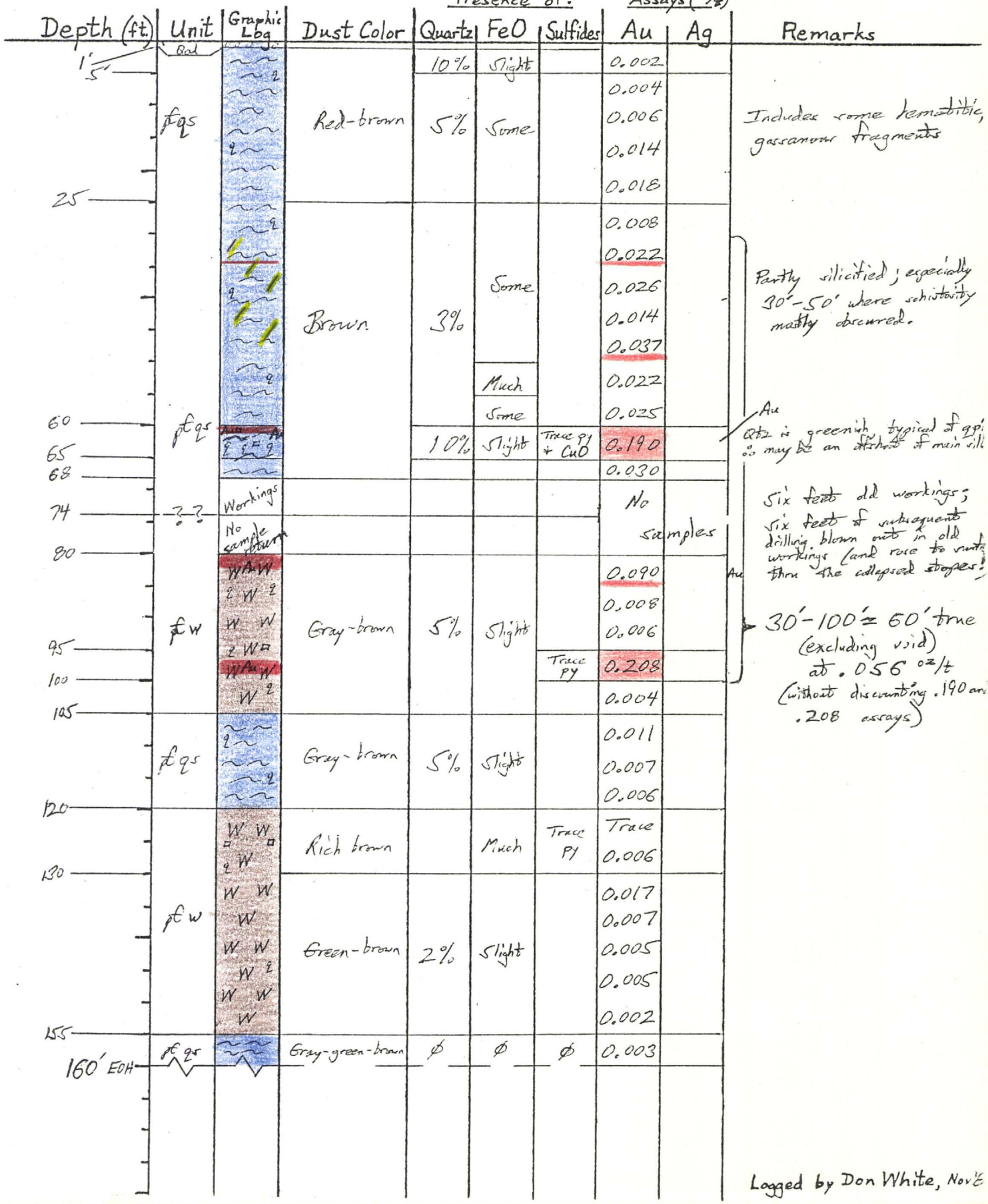


Depth (ft)	Unit	Graphic Lbg	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	Qal								
	pfqs (sil)		Very light gray	± 2%	± Slight		0.002		
							0.003		
							0.002		Very silicified
							0.002		
							Trace		
							Trace		
40							0.003		
45		Au	Light gray	15%	Some	Trace Py	0.054		Au
	Kqpi		White	80%	Slight	± Trace Py	0.006		40′–65′ = 20′ true at .046 oz/t
55							0.013		
		Au					0.070		Au
65		Au					0.087		Au
							0.006		
							0.022		
73							0.002		
	pfqs (sil)		Gray-brown	5%	Slight	± Trace Py	0.004		
							Trace		Very silicified
95		Au					0.145		Au 90′–100′ = 8′ true at .092
	Kqpi	Au	White	90%			0.039		
103							0.009		
	pfqs		Brown	2%	Slight		0.002		
							0.002		
							0.004		
120			Gray-brown	1%			Trace		
130							Trace		
	pfqsc		Gray-green				Trace		
							Trace		
							Trace		
150							Trace		
	pfqs		Gray-brown				Trace		
							Trace		
							Trace		
							Trace		
							0.003		
							0.003		
190									
	pfqsc		Gray green	ϕ	ϕ	ϕ	0.003		
200 EOH							0.002		
							Trace		Note: Samples numbered thru 205 ft as results of duplicate sample somewhere in sequence.

Logged by Don White, Nov. '84

VULTURE MINE — HOLE NO. H-16

Inclination: −60° Direction: S Total Depth: 160′



Logged by Don White, Nov'E

VULTURE MINE — HOLE NO. H-17

Inclination: -60° Direction: S Total Depth: 160'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
5'	Qal		Brown				No sample		
10	pf qs	Au	Red-brown	20%	Slight		0.061		Au: 5'-15' = 10' true at .045 oz/t
15		Au	Brown				0.030		
25			Red-brown	1%	Slight		0.010 0.020		
30			Rich brown				0.002		
40		Au	Pale yellow	20%	Slight		0.020 0.026		Au: 30'-40' = 10' true at .023 oz/t
50			Rich brown	5%	Slight		0.008 0.010		
55		Backfilled workings?	[No return]	?	?	?	No sample		No sample return, 50'-55'. May be backfilled workings or narrow opening.
70		Au	Brown	15%	Slight		0.030 0.010 0.005		Au: Qtz is clearly X-cutting veins in some larger chips
85	pf qs		Gray-green				0.004 Trace Trace		
95	pf qsc	c	Gray-brown				Trace 0.005		
100	pf w	W	Rich brown		Much		0.002		
110		W	Gray-brown	1%	Some		0.007 0.022		
125		W	Rich brown-green				0.002 Trace 0.004		
130		W Q W	Dark gray	20%	Slight	Trace py	0.004		Some caving trouble reported by driller
140		W	Brown		Some		0.006 0.004		
150	pf qsc	c	Brown-green		Slight		Trace 0.002		
160 EOH		c	Gray-green	∅	Slight	∅	Trace Trace		

Logged by Don White, Nov. '82

VULTURE MINE — HOLE NO. H-18

Inclination: −60° Direction: S Total Depth: 160'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	Qal								
8'							0.009		
	pfw		Pale brown	10%	Slight		0.010		
15									
							0.010		
20	pfqs			3%					
							0.027		Au
25			Brown				0.164		Best gold intercept in hole; unexplained by any visible mineralization or associates
30							0.029		
							0.036		20'-40' = 20' true at 0.064 oz/ton
40	pfw				Slight		0.014		
							0.009		
			Pale brown				0.005		
60							0.006		
65				10%	Some	Trace py in qtz	0.018		60'-75' = 15' true at .024
							0.013		
							0.040		
					Slight		0.006		
85							0.012		
90			Brown				0.003		
95			Brown-green				0.004		
							0.002		Green coloration results from epidote, and possible chlorite
	pfw		Green	3%			0.005		
110							Trace		
115			Yellow-brown	1%	Some		0.023		
120			Gray-green	10%			0.006		
	pfqs		Brown-yellow		Slight		Trace		
130							0.012		
135			Blue-gray				0.014		
			Gray-yellow				0.011		
140	pfqs (silicified)						0.005		
			Gray-green	ϕ	ϕ	ϕ	0.005		
							0.004		
160' EOH							0.002		

Logged by Don White, Novice

VULTURE MINE — HOLE NO. H-19

Inclination: -60° Direction: S Total Depth: 140'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	Qal		Light brown	~20%	Some				No samples of alluvium assayed
21'									
	pfqs		Brown	5%	Slight		0.003 Trace 0.008 0.005		
40									
45	pfqsc		Brown-green	8%	Slight		0.002		
							0.004 0.003 0.004		
60		Au	Pale brown	3%	Slight		0.109 (Au) 0.130 (Au)		60'→70' = 10' true at 0.12 oz/t
70	pfqsc						0.035 0.028 0.030		60'-100' = 40' true at 0.061 oz/st.
85	pfw		Brown	15%	Slight		0.044		
90		Au							
	Kqpi	Au	White	80%	Slight		0.052 0.057		
100									
							0.009		
105			Brown	60%	Some	Trace py	0.005 0.024		
115									
	pfw (silicified)		Gray-brown	40%	Some Much	Trace py	0.002 Trace 0.003 0.004		Intensely silicified
125									
	Trd		White		ϕ	ϕ	0.002		
140 EOH									

Hole terminated when top 21' alluvium caused caving and hole clearing problems. No mineralization visible in bottom lithology.

Logged by Don White, Nov. '8.

VULTURE MINE — HOLE NO. H-20

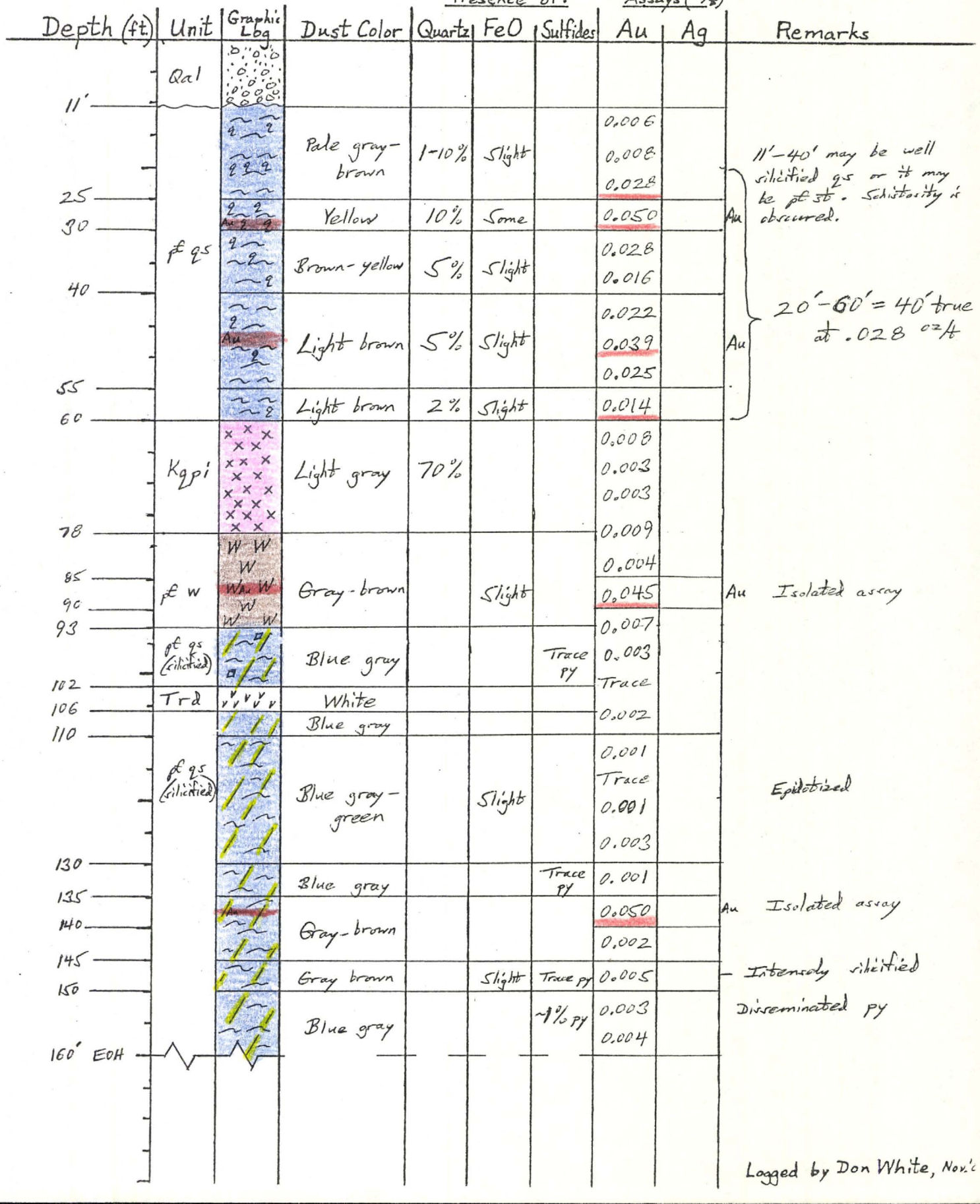
Inclination: −60° | Direction: S | Total Depth: 160′

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	Qal								
13′							0.002		
	pf W	W W W	Blue gray	5%	Slight	Trace Py	0.002		
20		W W W					0.012		20′–40′ = 20′ true at 0.046 oz/t.
		W W W	Blue gray	2%		Trace Py	0.024		
30		W W W							
		W W W	Brown	2%	Some		0.006		
35									
	pf qs	Au Au	Brown	10%	Slight		0.150		Au
40							0.008		
45			Gray brown	2%	Slight		0.006		Silicified; schistosity obscured
							0.008		
55			Yellow brown	2%	Some		0.005		
							0.005		
65									
	Kqpi		Blue gray	~20%			0.005		Darker, more feldspathic phase than elsewhere
							0.013		
							0.006		
85							0.016		
	pf qs (silicified)		Blue gray	1%			0.004		Intensely silicified (85′–155′)
							0.002		
							0.002		
105							0.002		
			Gray green		Slight	Trace Py	0.004		Epidotized slightly
110									
							0.008		
115		Au Ag	Rich brown		Much	~3% Py	0.154		Au
120							0.008		
							0.008		
120									
	pf qs (silicified)		Blue gray–green	1%	Some	Trace Py	0.005		Epidotized slightly
							0.003		
145							0.002		
			Blue gray	1%		Trace Py	0.006		
155							0.004		
	pf qs		Blue gray	ϕ	ϕ	ϕ	0.002		Silicified
160 EOH									

Logged by Don White, Nov. '[illegible]

VULTURE MINE HOLE NO. H-21

Inclination: -60° Direction: S Total Depth: 160'



Logged by Don White, Nov.'

VULTURE MINE HOLE NO. H-22

Inclination: −60° Direction: S Total Depth: 160′

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
5′	Qal								
		Au					0.075		Au
	pf qs		Light gray-brown	2%	Slight		0.006		
							0.070		Au
		Au					0.225		Au!
25									5′-35′ = 30′ true at .070 oz/t
30			Light brown	1%	Slight		0.025		
	pf qs (silicified)		Brown	5%	Some		0.018		
							Trace		
45							Trace		
50									
55	Kqpi	Au	White	80%	Slight		0.078		Au
							0.010		50′-65′ = 15′ true at .038
65		Au					0.026		
	pf w (silicified)		Gray-blue-green		Some	Trace py	Trace		
							Trace		
					Slight		Trace		
85							0.003		
90			Gray-brown	4%	Slight		0.007		
			Gray-brown	2%	Some		0.008		
							0.002		
							0.008		
							Trace		
							Trace		
125							0.010		
							0.005		
			Blue-gray	5%		~1% py	0.002		
	pf w (silicified)						0.002		
							0.002		
							0.002		
							0.002		
160′ EOH							0.002		

Logged by Don White, Nov.'t

VULTURE MINE HOLE NO. H-23

Inclination: -60° Direction: S Total Depth: 100'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
							0.004		
							0.003		
							0.002		
							0.004		
							0.003		
							Trace		
			Very light gray to white throughout				0.006		
							0.002		
	Kqpi			50%	Slight		0.002		
							0.004		
							0.003		
							Trace		
							0.004		
							0.004		
							0.003		
							0.005		
							0.004		
							Trace		
							0.002		
100' EOH							0.002		

Logged by Don White, Nov. '82

VULTURE MINE — HOLE NO. H-24

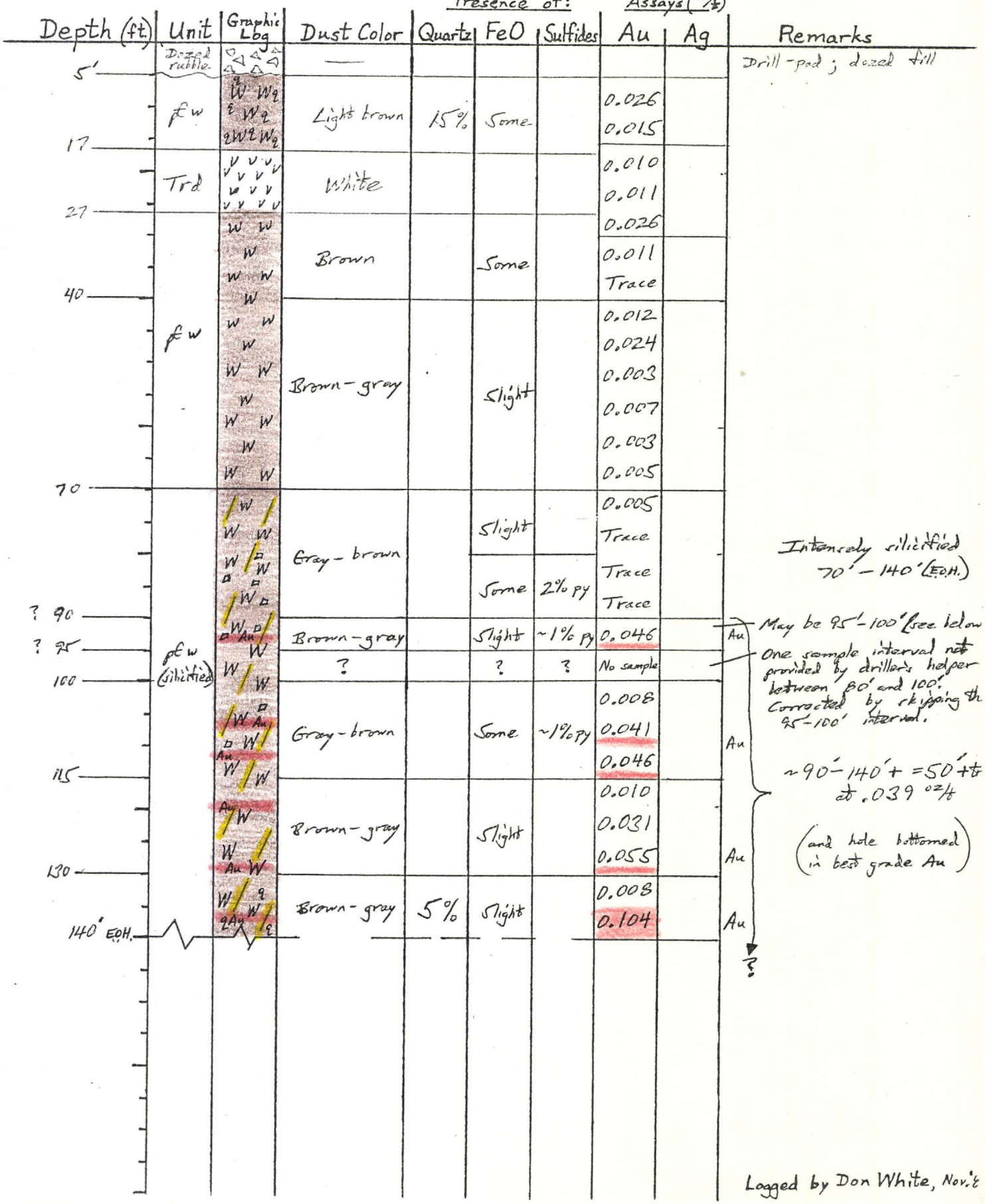
Inclination: −90° Direction: Vertical Total Depth: 200′

Depth (ft.)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
1′	Qal		Brown-yellow	10%	Much		0.003		
5′	pE qs		Brown-yellow	10%	Some		0.010		Silicified enough to reduce schistosity
							0.005		
							0.008		
25							Trace		
	Trd		White	100%			0.002		
							0.002		
40							0.010		
	pE qs		Light-brown	3%	Slight		0.002		
							0.004		
							0.013		
60							0.021		
	pE w		Gray-brown	1%	Slight		0.006		
							0.003		
							0.010		
							0.002		
83							0.002		
	Trd		White	100%			0.004		
94							0.012		
	pE w		Gray-brown	2%			0.012		
							0.006		
							0.003		
111									
114	Trd						0.005		
	pE w		Gray-brown	5%	Slight		0.015		
							0.007		
125							0.305	Au	125′-135′ = 8′ true at 0.20 oz/
130									
135							0.094	Au	125′-150′ = 20′ true at 0.092
140							0.022		
			Gray-brown	20%	Some	Trace Py	0.010		Py occurring strictly as med. grained fissure filling in blue-gray, silicified rock
150							0.031	Au	
			Brown-gray	5%	Slight		0.011		
160							0.005		
	pE w		Brown-gray	30%	Slight		0.002		
							0.003		
175							Trace		
	pE qs (silicified)		Gray-blue	2%		3% Py	0.002		Intensely silicified (175′ – 200′/EOH)
							0.002		
190							0.003		
			Gray-blue	ϕ	ϕ	Trace Py	0.003		
200 EOH							0.003		

Logged by Don White, Nov. '84

VULTURE MINE HOLE NO. H-25

Inclination: -60° Direction: S Total Depth: 140'



Logged by Don White, Nov.'t

VULTURE MINE HOLE NO. H-26

Inclination: -60° Direction: S Total Depth: 150'

Depth (ft)	Unit	Graphic Lbg	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	pfw		Light brown	3%	Slight		Trace		
							0.004		
							0.004		
							0.004		
25							0.002		
30			Light brown	20%	Slight		0.002		
35	pfw qz (silicified)		Brown	5%	Slight		0.010		
	Kqpi		White		Slight	Trace py	0.038		Au
45							0.041		Au — 35'-45' = 10' true at .040 oz/t
							0.009		
55							0.010		
	pfw (silicified)		Light brown	2%	Some		0.012		
65							0.013		
	Kqpi		Brown-green	70%	Slight	Trace py	0.014		— Includes much feldspar, chlorite-stained qtz, and vein qtz (or intensely silicified wacke) & wacke xenoliths
75							0.024		
	pfw (silicified)		Gray-brown	2%	Slight	Trace py	Trace		
							0.012		
90							Trace		
			Light brown		Slight		0.002		
							0.015		
100						2% py	0.102		Au — 95'-115' = 20' true at .055
105			Dark gray-brown	5%	Some	Trace py	0.088		Au
110			Gray-blue-brown		Slight		0.015		
							Trace		
					Some		0.002		
125			Brown-gray	2%	Slight		0.003		
							0.005		
							0.015		
	pfw (silicified)						0.003		
							0.003		
150 EOH									

Logged by Don White, Nov.'6

VULTURE MINE HOLE NO. H-27

Inclination: -90° Direction: Vertical Total Depth: 180'

Depth (ft)	Unit	Graphic Lbg	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
1'	Qal								
	pf qs		Brown	2%	Much		0.008		
							Trace		
							0.018		
22'							0.003		
	Kqpi		White	80%	Much	Trace py	0.003		
							0.003		
35							0.005		
					Slight		Trace		
							Trace		
50							0.010		
	pf w (silicified)		Gray	40%	Much		0.006		Intensely silicified and riddled with qtz veins (probably offshoots from qpi - above -)
							0.003		
65							0.024		
70							0.122		Au
	pf w		Brown		Much		0.031		Au
75							0.018		60'-85' = 20' true at .045
							0.030		
85									
			Brown-gray	30%	Some		0.013		
92							0.009		
	Trd		Light gray				Trace		
100									
	pf w		Brown		Much		0.013		
							0.008		
							0.012		
120							0.005		
	pf w (silicified)		Gray-blue-green	20%	Much	1% py	0.005		
130							0.010		
			Gray-green	3%	Much	3% py	0.009		Silicified wacke Au, Isolated assay
135							0.087		
140									
	Kqpi		Brown-green	40%	Much	Trace py	0.009		
150							0.005		
			Brown-gray				0.008		
							0.011		
160			Gray-brown				0.010		
							0.009		
170									
	pf w (silicified)		Blue-gray	∅	Slight	1% py	0.014		
180' EOH							0.004		

Logged by Don White, Nov '82

VULTURE MINE HOLE NO. H-28

Inclination: -60° Direction: S Total Depth: 120'

Depth (ft)	Unit	Graphic Lbg	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
1'	Qal								
	Kqpi		Brown	60%	Some		0.006		
							0.003		
15							0.003		
			Gray-brown	60%	Some		0.004		Includes white bull qtz in addition to qpi qtz
25							0.003		
	pf st		Tan		Some		0.003		
							0.003		silicified
							0.013		
45							0.007		
	Kqpi				Some		0.006		
55							0.008		
					Slight		Trace		
65							0.008		
			Light gray	60%			0.004		~10% white, vein, bull qtz
70							0.010		
					Some		0.005		
							0.004		
							0.005		
							0.005		
95									
	Kqpi		White	80%	Slight	Trace py	0.003		
							0.002		
							0.002		
							Trace		
120 EOH							0.003		

Logged by Don White, Nov '84

VULTURE MINE HOLE NO. H-29

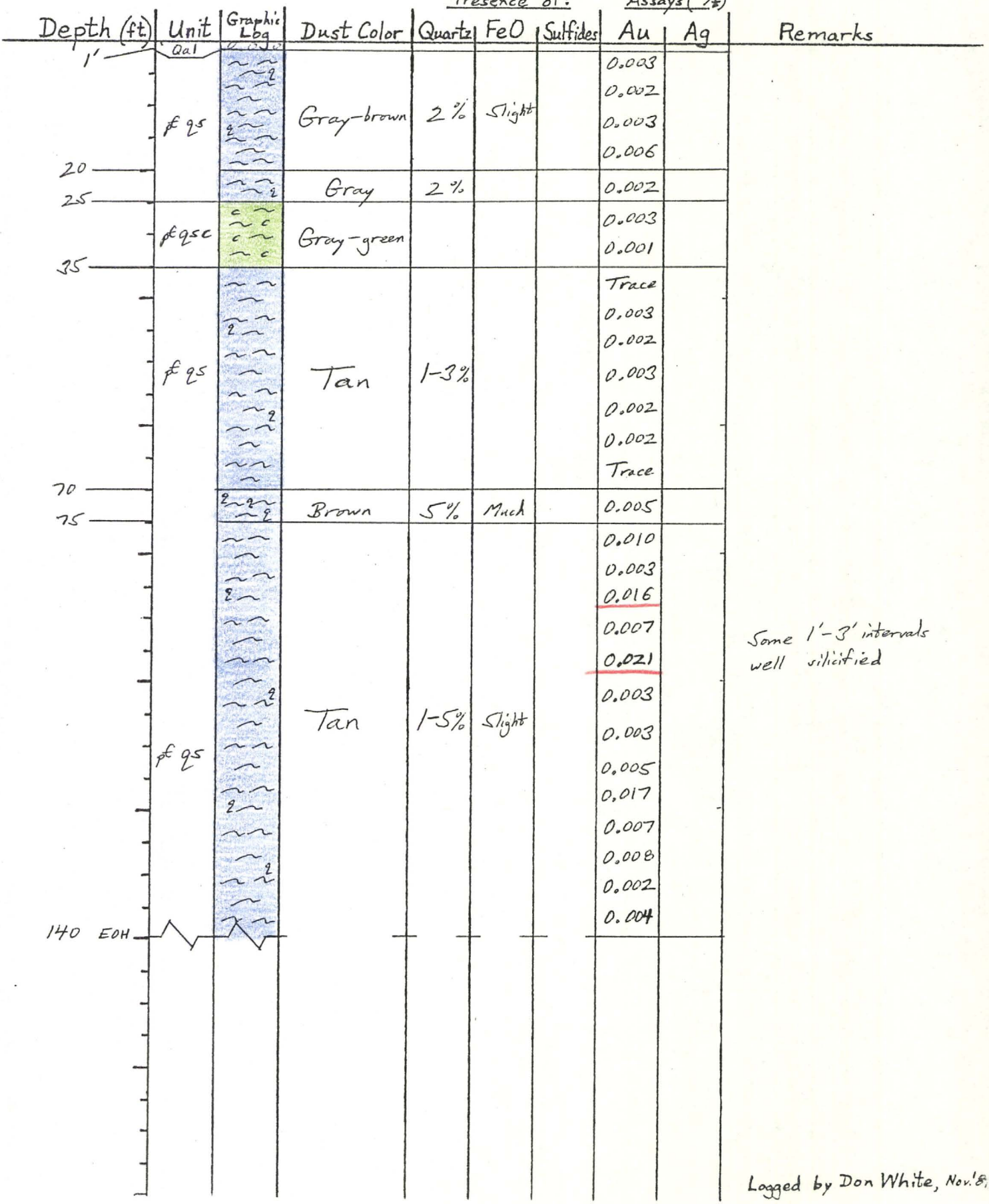
Inclination: -60° Direction: S Total Depth: 55'

Depth (ft)	Unit	Graphic Lbg	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
1'	Qal								
10			Light gray-brown	5%	Slight		0.005 0.003		
			Light gray-brown				0.003 0.002 0.002		
25	pf qs		Light gray				0.013 0.005		
35			Very light gray	20%	Some	Trace py	0.002		
40			Blue-gray		Slight		0.002 0.002		
50			Blue gray	ϕ	ϕ	ϕ	0.003		
55' EOH									

Logged by Don White, Nov '8

VULTURE MINE — HOLE NO. H-30

Inclination: -60° | Direction: S | Total Depth: 140'



Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
1'	Qal								
							0.003		
							0.002		
	pf qs		Gray-brown	2%	Slight		0.003		
							0.006		
20									
			Gray	2%			0.002		
25									
	pf qsc		Gray-green				0.003		
							0.001		
35									
							Trace		
							0.003		
							0.002		
	pf qs		Tan	1-3%			0.003		
							0.002		
							0.002		
							Trace		
70									
75			Brown	5%	Much		0.005		
							0.010		
							0.003		
							0.016		
							0.007		Some 1'-3' intervals well silicified
							0.021		
							0.003		
			Tan	1-5%	Slight		0.003		
	pf qs						0.005		
							0.017		
							0.007		
							0.008		
							0.002		
							0.004		
140 EOH									

Logged by Don White, Nov. '81

VULTURE MINE — HOLE NO. H-31

Inclination: −90° Direction: Vertical Total Depth: 340'

Depth (ft.)	Unit	Graphic Lbg	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
5	Qal		Red-brown	Much as pebbles & cobbles	Much		0.002		
10							0.002		
15							0.002		
20							Trace		
25	pC w	W W	Brown-pink	1%	Some		0.002		
	pC st		Brown-pink		Slight		Trace		
							0.002		
45							0.002		
							Trace		
	pC w	W W W W	Gray		Some		Trace		
60		? W ?		10%			0.002		
		W ? W ? W W ? W ? W ? W	Gray & red	5%	Much		Trace		
							0.002		
							0.002		
80							0.003		
							0.004		
			Gray				0.006		
90							Trace		
		? ?	White	5%			Trace		
100							Trace		
	pC qs	? ? ? ?	Gray & red	5–10%	Some		Trace		
							Trace		
							0.002		
							0.002		
							Trace		
							Trace		
							0.004		
							0.002		
							0.004		
155							0.005		
			Silver-gray	5%			0.004		
							0.004		
							Trace		
							0.002		
							Trace		
							0.002		
190							0.002		
	pC qs		Red-gray	5%	Some		0.002		
							Trace		
							Trace		
							Trace		
							0.002		
220							0.002		
			Light gray				0.002		
							Trace		
							0.002		
							Trace		
245							0.003		
	pC qs/ pC qsc		Light gray	1%	Slight		Trace		
							0.003		
260							Trace		
265			Gray	20%	Some		Trace		
270			Gray	1%	Slight		Trace		
275		Au					0.088		Au Isolated assay
	pC qsc		Light gray	5%		Trace PY	0.001		
							0.001		
290							Trace		
295			White	"silicified"		Trace PY	Trace		
			Light gray	2%		Trace PY	Trace		
							Trace		
310							0.003		
315	Kqpi		Light gray	50%	Some	Trace PY	0.016		310'-335' = 20' true at 0.020
	pC qw	W W ? W Au W W W ?	Gray	2%	Slight	Trace PY	0.014		
							0.037	Au	Same stratigraphic unit as high-grade intercept in Pegasus hole no. 8
330							0.002		
335	pC qsc		Light gray	ϕ	ϕ	ϕ	0.031		
340 EOH							0.002		

Logged by Don White, Nov. '84

VULTURE MINE HOLE NO. H-32

Inclination: -60° Direction: S Total Depth: 150'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
3'	Qal						0.003		
	pf qs		Light brown	2%	Slight		0.005		
							0.004		
15									
	pf st	Au	Light gray	40%		Trace Py	0.005		
							0.028	Au	Gritty, v.fg., sandy texture Qtz. is all(?) primary
							0.016	Au	20'-35' = 15' true at .020
35							0.015	Au	
							0.010		Intensely silicified
			Tan				0.011		
							0.010		
							0.011		
60							0.012		
	pf st (silicified)						0.010		
							0.007		
70			Tan-pink		Slight		0.058	Au	70'-105' = 35' true at .048
		Au					0.040	Au	
80							0.048	Au	Silicification increases in intensity downward to the qpi contact, by which time rock is a qtzite/hornfels.
			Gray-brown			Trace Py	0.112	Au	
90									
	Kqpi	x x x x x x Au	Very light gray	60%		Trace Py	0.002		qpi is extra rich in qtz and lean in feldsp here compared to other drill intercepts.
							0.036	Au	
100		Au							
							0.038	Au	
							0.010		
							0.008		
							0.011		
	pf qs		Brown	1%	Slight		0.019		
							0.006		
							0.010		
							0.012		
							0.012		
150 EOH							0.010		

Logged by Don White, Nov.'42

VULTURE MINE HOLE NO. H-33

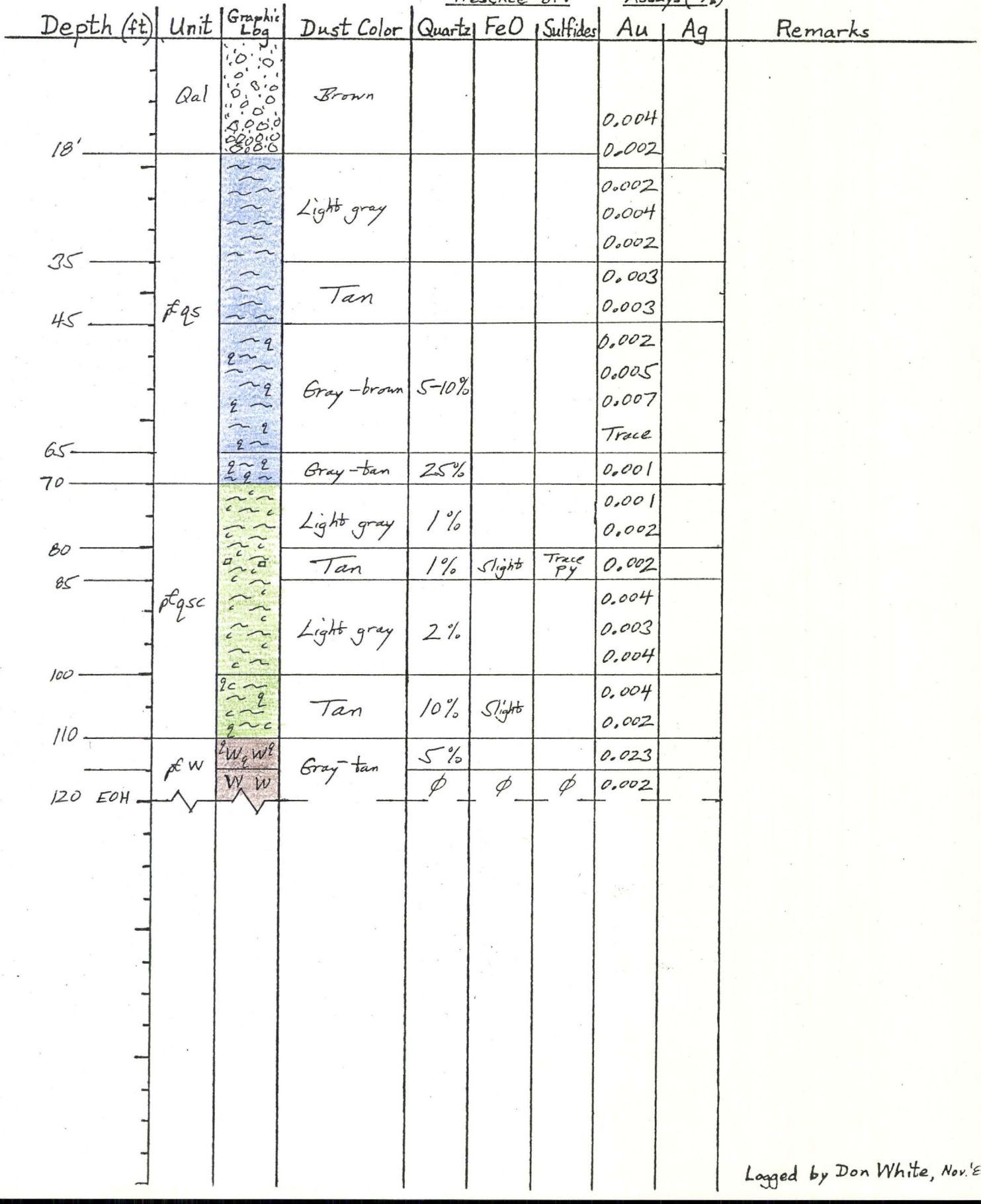
Inclination: −60° Direction: S Total Depth: 120'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
3'	Qal						0.010		
	pfw	W W W W W	Gray-blue		Slight		0.010		
10									
			Gray-pink				0.006		
15									
							0.007		
	pfqs		Tan	2%	Slight		0.010		
							0.006		
30									
			Light gray				0.006		
35									
			Gray-brown-pink	1%	Slight		0.005		
							0.004		
45									Gradational contact
	pfst		Light gray	20%			0.005		Included ~2" cherty magnetite nodule in drill rod
							0.012		
55									Gradational contact
							0.005		
			Tan				0.005		
	pfqs				Slight		Trace		
70									
		Au	Gray-pink	5%			0.040		Au Isolated assay white bull qtz
75									
			Gray-pink	30%			Trace		
80									
			Gray-pink				0.002		
85									
			Silver-gray				0.002		Silty, 85'-90'
							Trace		
95									
			Tan				0.002		Poor foliation, 95'-110'.
							Trace		
							Trace		
110									
	pfqs		Tan	25%			Trace		
115									
120' EOH			Silver-gray	ϕ	Slight	ϕ	0.003		

Logged by Don White, Nov. '82

VULTURE MINE HOLE NO. H-34

Inclination: −60° Direction: S Total Depth: 120'

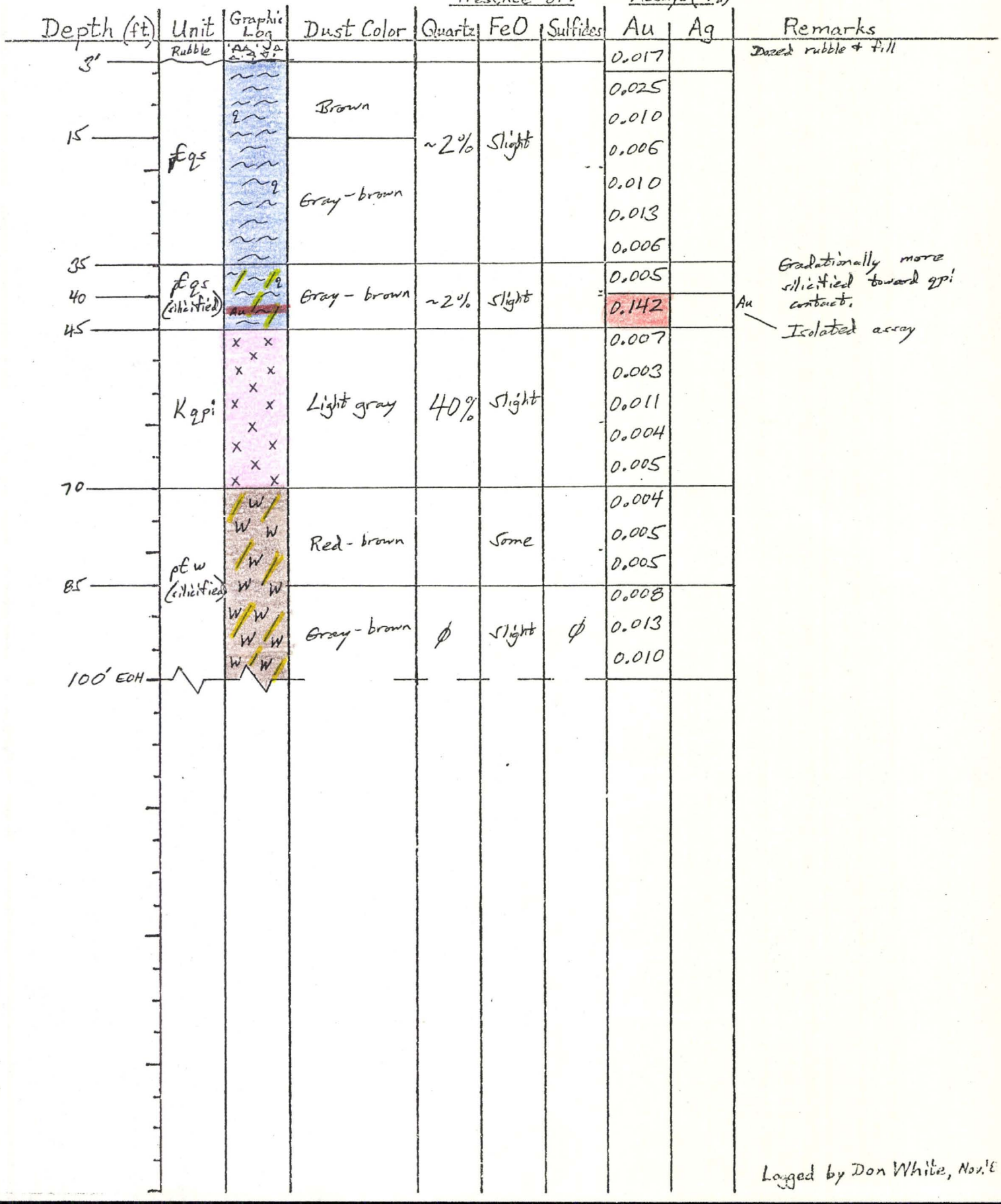


Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	Qal		Brown				0.004		
18'							0.002		
			Light gray				0.002		
							0.004		
35							0.002		
			Tan				0.003		
45	pfqs						0.003		
			Gray-brown	5-10%			0.002		
							0.005		
							0.007		
65							Trace		
			Gray-tan	25%			0.001		
70									
			Light gray	1%			0.001		
							0.002		
80									
			Tan	1%	Slight	Trace Py	0.002		
85									
	pfqsc						0.004		
			Light gray	2%			0.003		
							0.004		
100									
			Tan	10%	Slight		0.004		
110							0.002		
	pfW		Gray-tan	5%			0.023		
				∅	∅	∅	0.002		
120 EOH									

Logged by Don White, Nov. '8

VULTURE MINE HOLE NO. H-35

Inclination: −90° Direction: Vertical Total Depth: 100'



Logged by Don White, Nov. '8

VULTURE MINE — HOLE NO. H-36

Inclination: -60° Direction: 150° Total Depth: 100'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	o.b.			∅	∅		.013		< 1' overburden
	qsc		Green-gray	~10%	Some	∅	.008		
20							.001		
			Yellow-gray						
			Red-gray	∅			.002		
40			Red	~5%	Some	∅	<.001		
			Red-gray				<.001		
60	qs		Light gray	∅			<.001		
				~2%			<.001		
80				∅			<.001		
	qsc		Brown-gray		Tr.	∅	<.001		
E.O.H. - 100'									

Assayed only every other sample. Rock looks barren and assays confirm that.

Holes H-36 thru H-39 drilled in "Block 1" S. of pit 1

Logged by Don White

VULTURE MINE HOLE NO. H-37

Inclination: −60° Direction: 150° Total Depth: 100′

Depth (ft.)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	Tailings		Yellow						
9′									First sample is 9′–15′
				~30%			.003		
20	a		Gray-green	~10	ϕ	ϕ			Black, amphibolitic, epidotized; typical deep footwall rock.
				~2			.001		
							<.001		
40									
	qsc		Tan	ϕ	Trace		.001		
			Light brown				.001		50′–60′ ~10% coarse, sparry calcite as is typical of NW-trending normal faults.
60			Green-tan		ϕ				
	a		Gray-green				.005		
	qs		Red-gray	1	Tr		.001		60′–72′ and 80′–EOH. Epidotized amphibolitic schist like 9′–40′.
80									
	a		Green-gray	ϕ	ϕ	ϕ	.001		
							<.001		
EOH – 100				~1%					

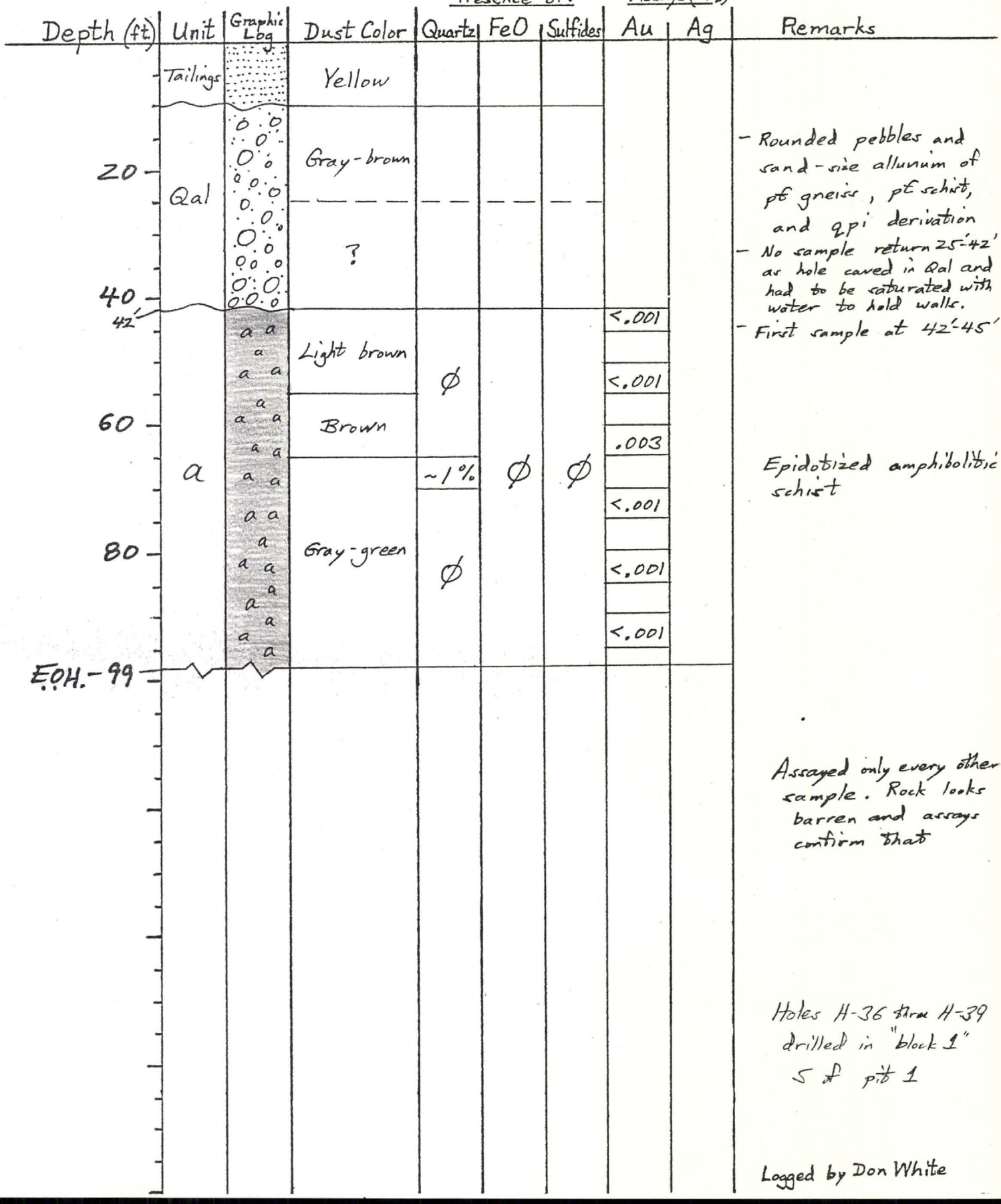
Assayed only every other sample. Rock looks barren and assays confirm that.

Holes H-36 thru H-39 drilled in "Block 1" S of pit 1

Logged by Don White

VULTURE MINE HOLE NO. H-38

Inclination: −60° Direction: 150° Total Depth: 99'



VULTURE MINE HOLE NO. H-39

Inclination: -60° Direction: 150° Total Depth: 80'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
0–20	Qal	o o o							Semi-lithified; caliche-cemented.
20	a	a a	Gray-brown	Trace - 1% thruout	Traces thruout	None	.003		
			Green-brown				<.001		
40			Light gray-red-brown				.005		Dark (gray-green-black) med. gr., foliated, epidotized, amphibolite schist.
			Gray				.009		
60							<.001		Grades more schistose and better foliated with depth
			Steel gray				<.001		
E.O.H.-80									

Assayed only every other sample. Rock looks barr[en] and assays confirm thi[s]

Holes H-36 thru H-39 drilled in "block 1" S of pit 1.

Logged by Don White

VULTURE MINE — HOLE NO. H-40

Inclination: -60° | Direction: S | Total Depth: 80'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	o.b.						.042		0'-5' assay includes 3' o.b. at Osborne's tourist gold-panning site.
3'							.010		
	qs		Brown-gray	10%			.003		
							.002		Well foliated
20'				30			.002		
			Brown	ϕ	Some		<.001		
				5			<.001		Poorly foliated
40'			Gray-green	ϕ	ϕ	—	<.001		
							.003		
			Brown			None	<.001		
			Red-brown	1			.002		
60'	qsc		Green-tan	5	Some	—	<.001		Fairly massive, poorly foliated siliceous qtz-ser-chl-tam schist.
			Brown				<.001		
							<.001		
			Light gray	1	ϕ	ϕ	<.001		
E.O.H - 80'							.012		

Logged by Don White

VULTURE MINE — HOLE NO. H-41

Inclination: −60° Direction: S Total Depth: 90′

Depth (ft.)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au (I.K Assay)	Assays (oz/t) Check on pulp (Skyline)	Remarks
							.016		No overburden
				~70%			.018		
							.020		
20	qpi		Brown-gray		Some	Trace py	.009	.008	ϕ-40′ = 40′ true @ .067 oz/t without discounting .32 assay
		Au					.081	.082	
							.052	.038	20′ true @ .118 oz/t
		Au Au		~80%			.321	.	Bull qtz vein at basal contact of qpi – correspond to .321 oz/t assay.
37′									
40							.017	.015	
	qs		Light brown	ϕ		ϕ	.003	.004	
							.008		
				10			.002		Milky bull qtz
60	st		Light gray	2			.006		
					ϕ		.001		Poorly foliated wacke
	W		Light brown	1			.001		
							.002		
				10			.003		
80									
	qs		Light brown-gray	~1%	ϕ	ϕ	.002		
E.O.H. – 90′							.001		

Logged by Don White

VULTURE MINE HOLE NO. H-42

Inclination: -60° Direction: S Total Depth: 80'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	o.b.		Brown				.006		ϕ-5' = Dozer muck + soil
5'		a W					.004		
		W a					.003		Gray-brown, med. gr. poorly foliated amphiboli wacke
20	a W	a W	Gray-brown	~1%	Trace	ϕ	.001		
		W a					.003		
		a W					.001		
		W a					.001		
40			Gray-brown	ϕ			.001		
			Pink-brown		Some	Tr py	<.001		
				5			<.001		
60	Qs		Gray-brown	1			<.001		
							<.001		
				ϕ	ϕ	ϕ	<.001		
							<.001		
E.O.H. - 80'							<.001		

Logged by Don White

VULTURE MINE HOLE NO. H-43

Inclination: -60° Direction: S Total Depth: 90'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
							.008		No overburden
	qpi		Gray-brown	~80%	Some	Trace py	.005		
							.003		
20							.003		
							.018		
							.001		
	aw		Pink-brown	~2	Some	Tr. py	<.001		Amphibolitic wacke, poorly foliated..
40							.002		
				50			.027		
							.002		
							.028		
60	qs		Gray-brown	10	Little	ϕ	.013		
							.004		
							.020		
							.005		
							.004		
80	aw						.034		Milky bull qtz
				5					
EOH-90							.015		

Logged by Don White

VULTURE MINE HOLE NO. H-44

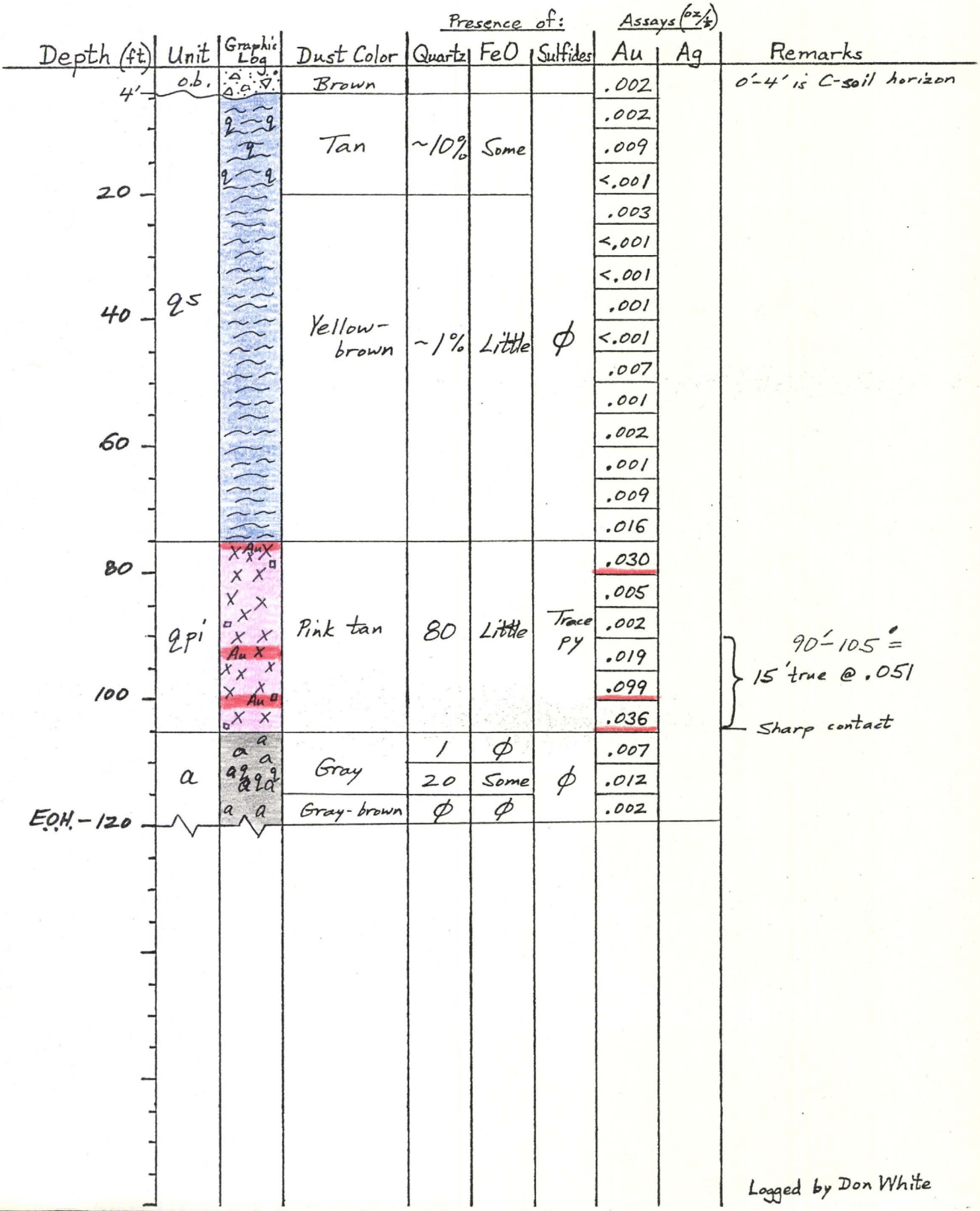
Inclination: -60° Direction: S Total Depth: 170'

Depth (ft.)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	Qal		Brown				.027		Top 2' is Qal included in Ø-5' sample.
2'	qpi		Gray-brown	~40%	Little	Trace py	.012		
							.003		
17'							.001		
20	qs		Gray-brown	10	Little	Tr	.001		
							.001		
							.002		
40							.001		
	qpi		Gray-brown	70	Some	Tr	.003		
							.003		
60							<.001		
	st		Light gray	2/5	Little	Ø	.001		Faint foliation silicified by adjacent qpi
							.010		
	qpi		Light gray	90	Little	Tr.	.001		
80							<.001		
							.005		
							.003		
							<.001		
100							<.001		
							<.001		
							.003		
							.001		
120							.001		
122'	a		Steel gray	30	Some	Tr	.010		Silicified F.W.
							.007		
			Orange-brown	5			.015		
140		Au					.023		
							.004		
							.002		
			Brown	10	Little	Ø	.020		Clear qtz with green CuO stain
160							.004		
							.002		
E.O.H.- 170							.001		

Logged by Don White

VULTURE MINE HOLE NO. H-45

Inclination: -60° Direction: S Total Depth: 120'



Logged by Don White

VULTURE MINE — HOLE NO. H-46

Inclination: −60° Direction: S Total Depth: 175′

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
0–20	Qal								Unconsolidated sand + gravel
20–40	qsc		Gray-green	~1–2% locally	Little	Trace py	<.001		
40–60	qsc		Gray-green	~1–2% locally	Little	Trace py	<.001		35′–55′ quite silicified
60–80	qsc	Au	Gray-green	~1–2% locally	Little	Trace py	<.001		
80–100	qs		Light gray-brown	10	Little	∅	.001		
100–120	qs	Au	Light gray-brown	2	Little	∅	.030		95′–115′ = 20′ true @ .033
120–140	qs (sil)	Au	Light brown	5	Some	Trace to 3% coarse py locally	.060		Very silicified; foliation destroyed Pyritized
140–160	qpi	Au	White	80	Some	Tr	.001		
160–175	W		Blue gray	5	Some	Tr	.002		
E.O.H. − 175				∅	∅	∅	.001		Logged by Don White

VULTURE MINE HOLE NO. H-47

Inclination: -60° Direction: S Total Depth: 150'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au (I.K. Assay)	Assays (oz/t) Check on pulp (Skyline)	Remarks
	Qal								
	qs		Gray-brown	~10%			.002		
							.003		
20	qsc		Light green-gray	2	ϕ	ϕ	<.001		
							<.001		
							.001		
							.001		
40			Gray-green				<.001		
							<.001		
	qs (sil)		Gray-brown	5			.001		
							.003		
60							.006		
							.011		
	qsc (sil)		Green-brown	Trace to 5% locally	Some	ϕ	.002		
							.005		
80							.003		
							<.001		
							.003		
							<.001		
100			Brown	5		Trace py	.002		
103							.004		
	Workings		?	?	?	?	Void		Old workings 103-109
109									No sample return until 116
	?	?	?	?	?	?	No sample		
116									
120	qsc (sil)		Brown	5	Some	Tr. py	.005		
							.004	.004	
	qpi		Light gray	80	Little	Tr. py	.005	.004	
							.004	.003	
140							.016	.018	
	qs/w (sil)			20			.012		
E.O.H. - 150				2		ϕ	.003		

Logged by Don White

VULTURE MINE — HOLE NO. H-48

Inclination: −60° Direction: S Total Depth: 190′

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au (FA Assay)	Assays (oz/t) Check on pulp (Skyline)	Remarks
	o.b.								C – soil horizon + debris (ϕ–5′)
5′									
	qsc		Light gray	ϕ	ϕ	ϕ	.002		
							<.001		
20							<.001		
							.001		
	qs		Tan	~5%	Little		<.001		
			Red-brown				<.001		
40				10	Some		.002		
			Tan-brown	30	Little		<.001		
				5			<.001		
			Red-brown	1	Some		.002		
60							.001		
	qsc (sil)		Light gray-green	ϕ	ϕ		<.001		
					Little	Trace py	.005		
							.002		
80				~10%	ϕ		.004		
	qs		Red-brown		Some		<.001		
							.003		
				2		~2% py	.001		
100							.002		
							.002		
	qsc (sil)		Green-gray	5	Little	Trace py	.003		~120′–180′ Intensely silicified.
							.002		
120							.022		140′–159′ (between workings) exhibits py + py casts in limonitic qtz veins.
		Au	Red-brown	30	Some		.030		
127							.060		
	Workings		?	?	?	?	Void		
136									35′ sampled at .054
	?	?	?	?	?	?	No sample		9′ not sampled adjacent to old workings
140		Au							
	qs (sil)		Light brown	5	Some	~5% py	.082		18′ workings.
				10	Much		.030		
				5	Little	Tr. py	.013	.013	Probable zone at least 42′ @ ≥.054 and where pillars or not mined, 60′ @ ≥.054
159							.015	.012	
160	Workings		?	?	?	?	Void		
168									
171	?	?	?	?	?	?	No sample		
	qs (sil)	Au	Gray	20	Some	~2% py	.180	.140	
				10			.002	.001	Logged by Don White
180				2	ϕ	ϕ	<.001		
EOH – 190							<.001		

VULTURE MINE HOLE NO. H-49

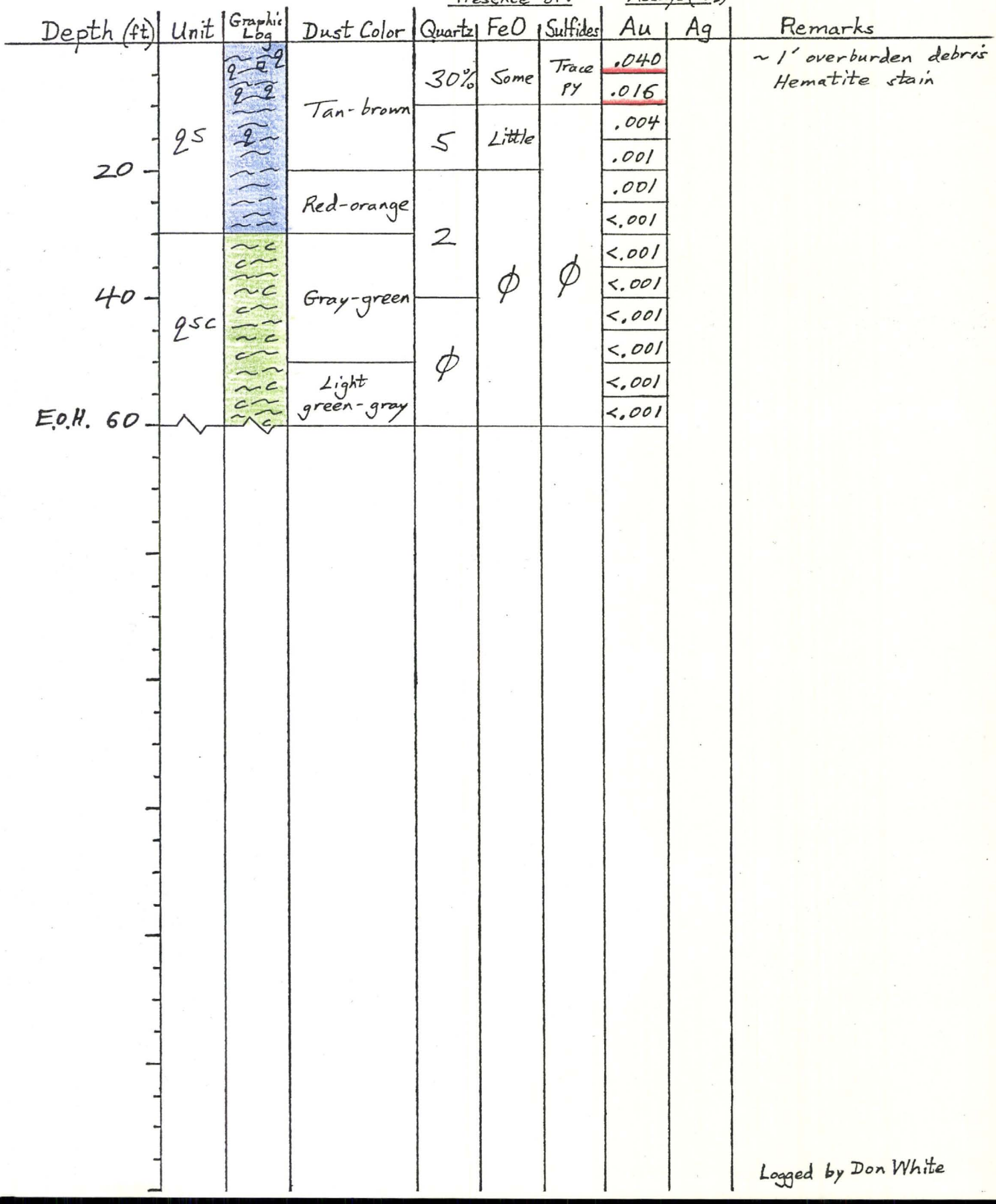
Inclination: −60° Direction: S Total Depth: 140'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au (1K. Assay)	Assays (oz/t) Check on pulp (Skyline)	Remarks
	ab. Qal								Old mine muck & soil horizon. Some alluvium.
20	qs		Light tan-brown	5%	∅	∅	.002		
							.001		
							.006		
							.090		
							.002		
40	qsc (sil)			5	Some		.002		
							.006		
			Light tan-green	~1%	Little	Trace py	.013		
60							.002		
							.003		Notably more siliceous from 55' on
							.001		
			Light tan-brown				.001		
							.009	.009	
80			Gray-brown	30	Some	2% py	.220	.239	
			Red-gray				.280	.277	
	Quartz		Light gray	98	Some	2% py	.085	.143	Unoxidized pyrite euhedra in massive quartz 25' at .147 oz/t (75'-100') or 45' at .092 oz/t (75'-120')
100							.087		
							.065		
	qpi		White	80	Little	Tr	.012		
			Tan-brown	50			.022		
	W		Brown	10		∅	.025		
120	qs		Brown-gray	20	∅	∅	.030		
							.009		
			Gray-brown	5	Little	2% py	.002		
							<.001		
E.O.H. 140	W		Gray	2%	∅	∅	<.001		

Logged by Don White

VULTURE MINE HOLE NO. H-50

Inclination: Vertical Direction: Vert. Total Depth: 60'



Logged by Don White

VULTURE MINE HOLE NO. H-51

Inclination: -60° Direction: 150° Total Depth: 150'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	Tailings		Yellow						
20	Qal		Brown						
	qs + a		Light gray				<.001		
			Red-gray	≤1%		Locally 2% py casts	.001		– Mixed micaceous + amphibolitic schist. Well foliated.
40									
				5%		Tr. py	.001		– Hematite stained on linings of py. casts (fully oxidized)
60			Dark gray				<.001		
			Red gray	1			<.001		
80	a		Dark gray		Little	Locally 2% pyrite (unoxidized)	<.001		– Fresh pyrite euherdra
				30			<.001		– Qtz. is white, bull, barren.
				5					– Dark gray and black, med. grained, amphibolite schist. Foliated.
100							<.001		
			Red gray						
							<.001		
120			Gray	1		Tr. py	<.001		
							<.001		
140							<.001		~140' Small clay-gouge zone (~4"-?) with calcite stringers. Bottom 10' of chips moist.
			Red gray	<1	ϕ	ϕ			
E.O.H. 150							<.001		

Only assayed every other sample since the rock looked so terrible. Assays confirmed that. Drilled in "block 1" S of Pit 2

Logged by Don White

VULTURE MINE — HOLE NO. H-52

Inclination: −60° Direction: 150° Total Depth: 80′

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	Qal		Brown + tan						Alluvium of pf gneiss cobbles and gneiss + qpi-derived sand.
20 ~21′	qs		Red-tan	ϕ	ϕ	ϕ	<.001		
	a	a a a a	Red-gray		some		<.001		~5% fine grained disseminated magnetite
40	qs	mag. mag.	Red	2%	Much hem.+ mag.	Trace py	<.001		~10% magnetite
		mag.	Light gray		Much mag.		<.001		
60		q		5	Little	ϕ	<.001		
EOH- 80			Light blue-gray	ϕ	ϕ		<.001		Only every other sample assayed because rock looked unfavorable. Assays confirm that.

Drilled in "block 1" SE of pit 1

Logged by Don White

VULTURE MINE HOLE NO. H-53

Inclination: Vertical Direction: Vert. Total Depth: 60'

Depth (ft.)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	ob								~1' overburden
	qs + a	a					.045		
		a					.001		
		a					.003		
			Light brown	2-5%	Some		.002		
20	qs						.001		
							.004		
			Red brown	ϕ			.002		
		q	Light tan	5	Little	None	.002		
40		c					<.001		
	qsc	c	Tan-green	2	ϕ		<.001		
		c					<.001		
E.O.H. 60		c	Light brown	ϕ	Little		<.001		

Logged by Don White

VULTURE MINE HOLE NO. H-54

Inclination: Vertical Direction: Vert. Total Depth: 60'

Depth (ft.)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Checks on pulps Skyline	Remarks
							~~I.K. Assay~~ .015		ϕ-5' sample contaminated by visible coal, slag, etc. on surface.
							.001		
							.003		
20	qpi	Au Au	Tan-brown	70%	Little	Trace py	.100	.134	15' (12.3' true thickness at .101 oz/t I.K. Assay.
							.185	.225	
							.019		or 15'-35' = 16' true at .077
40	qsc (sil)		Green-brown	ϕ	Little	ϕ	.007		Poorly foliated now as result of silicification at FW of qpi
							.002		
							.003		
	a + qsc		Gray-green	3			.014		Well foliated beneath silicified zone.
							.001		
E.O.H. 60	qs + st		Tan	15			.005		

Logged by Don White

VULTURE MINE HOLE NO. H-55

Inclination: Vertical Direction: Vert. Total Depth: 60'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	Qal								Unconsolidated alluvium of main wash. Drilled wet to hold walls —
20									
	qsca		Green-brown	2 %			.001		Gray-green-black, f.gr. sericite-chlorite-amphibolite schist. Poorly foliated.
				15			.003		
40	qsc		Gray-green	2	Little	None	.008		Well foliated; grades downward to poorly foliated at E.O.H.
							.003		
							<.001		
							.002		
E.O.H. 60							<.001		

Logged by Don White

VULTURE MINE HOLE NO. H-56

Inclination: Vertical Direction: Vert. Total Depth: 60'

Depth (ft)	Unit	Graphic Log	Dust Color	Quartz (Presence of)	FeO (Presence of)	Sulfides (Presence of)	Au (Assays oz/t)	Ag (Assays oz/t)	Remarks
0–5	a	a a	Gray-brown	≤ 1%	Some	None	.004		Poorly foliated thruout
5–10	a	a	Gray-brown	≤ 1%	Some	None	.002		
10–15	a	a a	Red-brown	≤ 1%	Much	None	.002		
15–20	a	a a	Tan	5	Some	None	.002		15'-20' siliciousness probably primary
20–25	a	a a	Gray-green	2	Some	None	.003		
25–30	a	a	Gray-brown	1	Little	None	.001		
30–35	a	a a	Gray-brown	∅	Little	None	.001		
35–40	a	a a	Gray-brown	∅	Little	None	.001		
40–45	a	a a	Gray-brown	∅	Little	None	.001		
45–50	a	a a	Gray-brown	∅	Little	None	.001		
50–55	a	a	Gray-brown	∅	Little	None	.003		
55–60	a	a a	Gray-brown	∅	Little	None	.004		

Depth marks: 20, 40, E.O.H. 60

Logged by Don White

VULTURE MINE HOLE NO. H-57

Inclination: Vertical Direction: Vert. Total Depth: 60'

Depth (ft.)	Unit	Graphic Log	Dust Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	qpi		Light tan	60%	Little	ϕ	.001		No overburden
							<.001		
							.002		
20							.002		
					Some	~2% py	.009		
					Little	Tr. py	.008		
	Trd		White	ϕ	ϕ	ϕ	.001		Tertiary, white, v.f.g. rhyolite dike.
40	a		Light tan-gray	1	Little	Tr. py	<.001		
				5			<.001		
							<.001		
	qpi		White	80	Little	ϕ	.007		
E.O.H. 60							.015		

Logged by Don White

VULTURE MINE — HOLE NO. H-58

Inclination: Vertical — Direction: Vert. — Total Depth: 160'

Depth (ft)	Unit	Graphic Log	Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
20	qs		Tan						ϕ-60' interval not sampled; known from adjacent holes up + down dip and along strike, to be barren waste.
40									
60									
	qs		Light gray-green-tan	ϕ	Little	ϕ	.003		
							.002		
					Some		.005		
80							.002		
				~5%	Little		.002		
							.016		
							.008		
100	qs (sil)				Some	Tr. py	.003		Intense HW silicification.
			Tan	10			.009		
						~1% py	.031		
							.015		
120	qpi	X X X X X Au	Red-tan	20		~2% py	.020		
			Tan	90			.016		
							.035		
	Workings		?	?	?	?	Workings		105'-155' = 39' sampled at .024; 3' no sample return; 8' workings; Total 50' (41' true thickness at ≥.024 where pillars remain or not mined, etc.
	No return		?	?	?	?	No return		
140	qpi	X X X Au	Tan	90	Some	~2% py	.022		
							.019		
	a	a a a a	Red-brown	ϕ	Little	ϕ	.024		
							.040		
E.O.H. — 160	ca	c a	Green-brown	2			.016		

Logged by Don White

VULTURE MINE HOLE NO. 84-1

Inclination: −60° Direction: S Total Depth: 150'

Drilled April, 1984 Logged Dec. 1986

Depth (ft)	Unit	Graphic Log	Rock ~~Dust~~ Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	aw	aw		~2%			.040	All < .01	Poorly foliated
							.005		
							.005		
20							<.005		
							.005		
							.005		
		Au					.055		
40	qs		Gray-brown				<.005		
							<		Modestly foliated
				10			<		
				2			.005		
60							<		
	aw			ϕ	None	None	<	.02	
				5			<		Poorly foliated
				2			.005		
80							.005		
				5			.020		
				1			.010		
							<.005		Partly epidotized
	Trd	v v v v	Blue-gray	10 (Trd)			<	All < .01	
100	aw	aw		2			<		
							<		
	Gradational Contact						<		
	qsc	c	Gray-green	ϕ			<		
120							<		
							<		No chips collected or retained from 120'-150'
	?	?	?	?	?	?	<		
140							<	.05	
							<	<.01	
E.O.H. - 150							<.005		

Logged by Don White

VULTURE MINE — HOLE NO. 84-1

Inclination: −60° Direction: S Total Depth: 150'

Drilled April, 1984 Logged Dec. 1986

Presence of: | Assays (oz/t)

Depth (ft)	Unit	Graphic Log	Rock ~~Dust~~ Color	Quartz	FeO	Sulfides	Au	Ag	Remarks
	aw	a w w a a w w a a w w a a w		~2%			.040	All < .01	Poorly foliated
							.005		
							.005		
20							<.005		
							.005		
							.005		
		Au	Gray - brown				.055		
40							<.005		
	qs	q q					<		Modestly foliated
				10			<		
				2			.005		
60							<		
		w a a w a w w a a w w a a w		ϕ	None	None	<	.02	
				5			<		Poorly foliated
				2			.005		
80							.005		
				5			.020		
	aw						.010		
			Blue - gray	1			<.005		Partly epidotized
	Trd	v v v v		10 (Trd)			<	All < .01	
100	aw	a w w a a w					<		
				2			<		
	Gradational Contact						<		
	qsc	~c c~ ~c	Gray-green	ϕ			<		
120							<		
							<		No chips collected or retained from 120-150'
	?	?	?	?	?	?	<		
							<	.05	
140							<		
							<	<.01	
E.O.H. - 150							<.005		

Logged by Don White

VULTURE MINE — HOLE NO. 84-2

Inclination: −60° | Direction: S | Total Depth: 150'

Drilled April, 1984 | Logged Dec. 1986

Depth (ft)	Unit	Graphic Log	Rock ~~Dust~~ Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	o.b.(?)	? ? ?					—	—	0-5' No chips + no assays
	qs		Brown	10	Little		<.005	All <.01	
				5			<		
20				2			<		
				15			<		
	qs (sil)			2			.005		
		Au	Gray brown	∅			.130		30'-50' = 20' true at .06
40				2			.010		
		Au					.080	.03	
							.020		
	W		Tan gray	5			.005	<.01	
60							.005		
							.010	.06	
	aw		Gray	2		None	<.005		
				10			<		
80	Trd		White				<		
	aw		Gray	20			<		
	Trd		White	5	None		<		
				50			<		
	aw (sil)		Blue-gray	2			<	All <.01	
100							<		
				10			<		
			Tan brown				<		
			Blue-gray	2			<		
120							<		
	qpi (?)		Tan	30			.005		
				60			.005		
				30			.010		
140							.005		
				10			.030	.07	
E.O.H. — 150	aw		Blue-gray						

Logged by Don White

VULTURE MINE — HOLE NO. 84-3

Inclination: −60° Direction: S Total Depth: 150'

Drilled April, 1984 Logged Dec. 1986

Depth (ft)	Unit	Graphic Log	Rock ~~Dust~~ Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	Qal		Brown				<.005		Granite pebbles + sand.
	qs		Gray brown	~5%			<		Well foliated
20							<		
							<		
							<		
							<		
	st		Tan gray	5			.005		Poorly foliated
40							<		
							<		
				2			<		
							<		
60							<		Well foliated
							.020		
	qs		Gray brown	5			<		
							<		
							<		
80				10			.010		80'-90' = 10' true at .05 oz. Modestly foliated
		Au					.095		
				5			<		
100							.005		
	qpi		White	60			.015		
							.010		
			Blue gray	5			.005		
120	qw						<		
							.020	.03	
			Gray brown	2			.010	<.01	
							.005		
140							.005	.02	Very feldspathic (Typical of stock rather than pit area).
	qpi		Tan brown	30			.015	.01	
EOH − 150	qw		Blue gray	2		~2% py	.005	<.01	Fresh euhedra of pyrite ≤ 0.5 mm

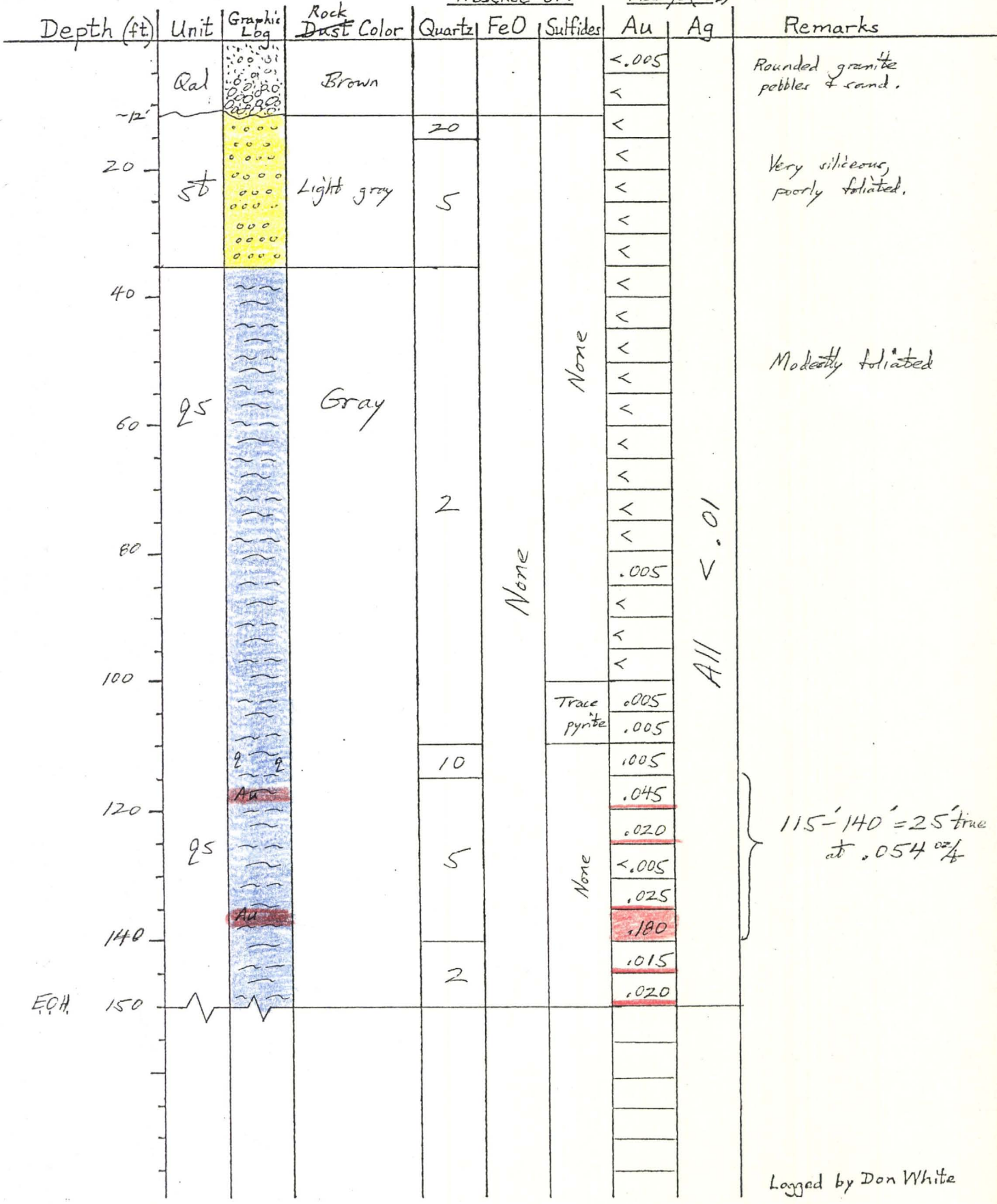
None None All < .01

Logged by Don White

VULTURE MINE HOLE NO. 84-4

Inclination: -60° Direction: S Total Depth: 150'

Drilled April, 1984 Logged Dec. 1986



VULTURE MINE — HOLE NO. 84-5

Inclination: −60° Direction: S Total Depth: 150'

Drilled April, 1984 Logged Dec. 1986

Depth (ft)	Unit	Graphic Log	Rock ~~Dust~~ Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
0	Qal		Brown				<.005		Granite + wacke pebbles + sand
~17'							<		
20	qs		Gray	~2%			<		
							<		
							.005		
40	qW		Blue gray	1			<		
							<		
							<		
60	qs		Gray brown	5	None	None	<	All < .01 oz/t Ag	All well foliated
				30			<		
80				5			<		
							<		
100				2			<		
							<		
				1			<		
120							<		
							<		
140	qsc		Blue-green gray	2		Trace pyrite	<		
							<		
E.O.H. — 150							<.005		

Logged by Don White

VULTURE MINE — HOLE NO. 84-6

Inclination: −60° Direction: S Total Depth: 160'

Drilled April 1984 Logged Dec. 1986

Depth (ft)	Unit	Graphic Log	Rock ~~Dust~~ Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	qs	q	Brown	~10 %			.010		
				2			<.005		
				10			<		
							.010		
20									
	qpi'	X	Tan	20			.020		snow white bull qtz
				40			<		
				20			.005	.01	
				40			<	VI	
140				10			.020		
							.010		
				60			<	AIII	
60				30			<		
	W	W	Gray brown	15	None	None	<		
							<		
				5			.005		
80							.005	.06	
	qpi'	X	White	70			.010	.01	
							.005	VI	
							<		
100							<		
							.005		
							<		
							<	.02	
120							<		
							<	.01	
							<	VI	
							<		
140	qpi'						<	.03	
							<		
							<	.01	
							<	V	
E.O.H. 160							<.005		

Logged by Don White

VULTURE MINE HOLE NO. 84-7

Inclination: -60° Direction: S Total Depth: 150'

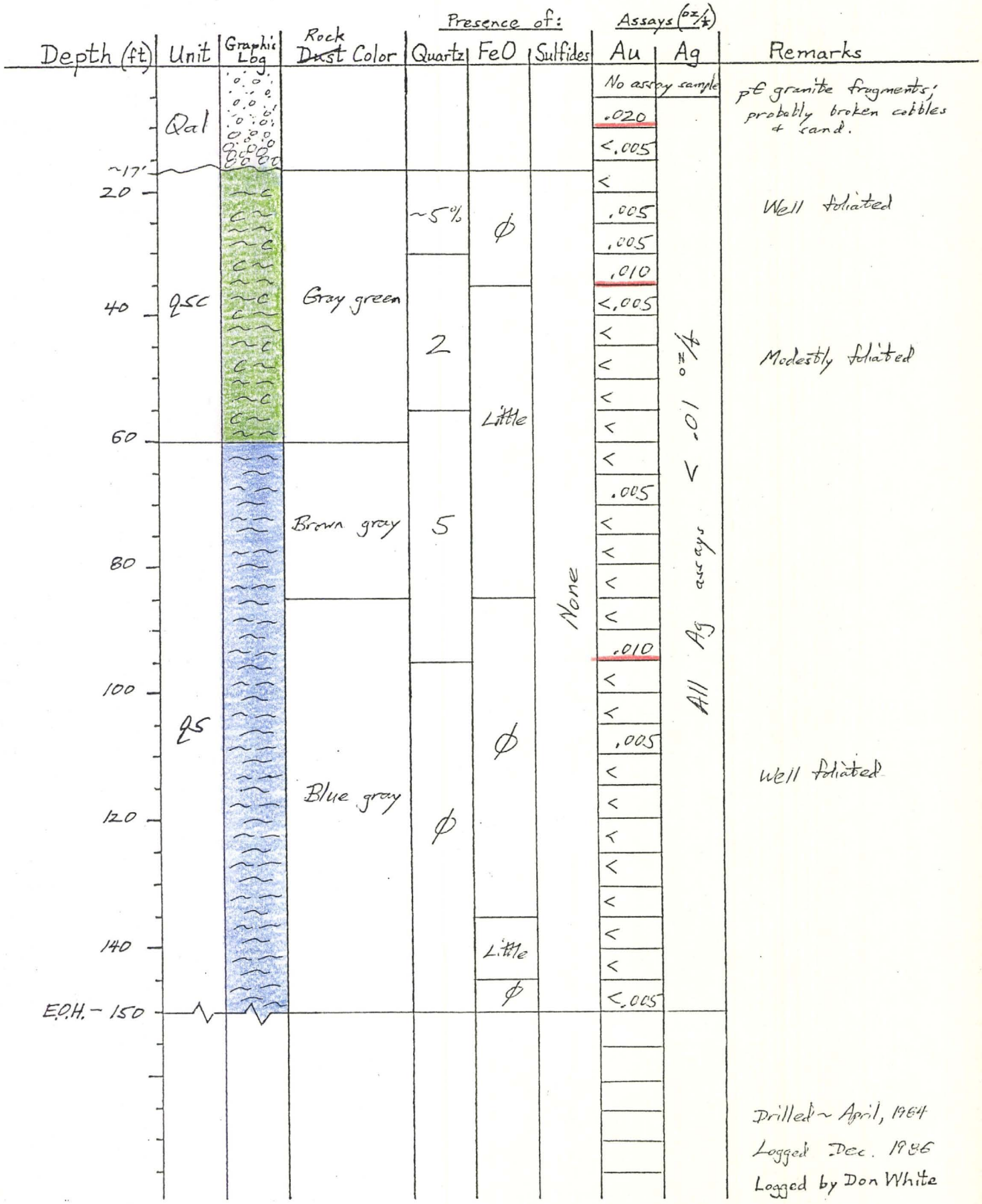
Drilled April 1984 Logged Dec 1986

Depth (ft)	Unit	Graphic Log	Rock Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
	qs (sil)		Gray brown	5	Little		.005		
	qpi		Lt. green gray	80			.005	<.01	
~12'							.015		
	qs (sil)		Gray brown	3	ϕ		.010	.02	All silicified units poorly foliated and qpi is massive/unfoliated.
20							<.005		
							<		
						ϕ	<		
							<		
40				60			.010	.01	
			Very light gray to white				.005		
							.010		
	qpi	Au					.085	.06	55'-65' = 10' true at .055 oz/t
60				80	Little	Trace Py	.025		
							.005		
							<		
							<	.01	
80							.005		
							<		
~87'						ϕ	.010		
	qs (sil)		Gray brown	5	ϕ				
							.020	.03	
100							.020	.04	
		Au					.085	.02	95'-130' = 35' true at .036 oz/t
							.035	.04	
	qpi		Light gray to white	80	Little		.010	.01	
120						Trace pyrite	.010	<.01	
		Au					.070	.02	
							<.005	<.01	
							<	<.01	
140							<	.04	
				70			.090	.02	
E.O.H. - 150		AuX							

Logged by Don White

VULTURE MINE — HOLE NO. 84-8

Inclination: -60° Direction: S Total Depth: 150'



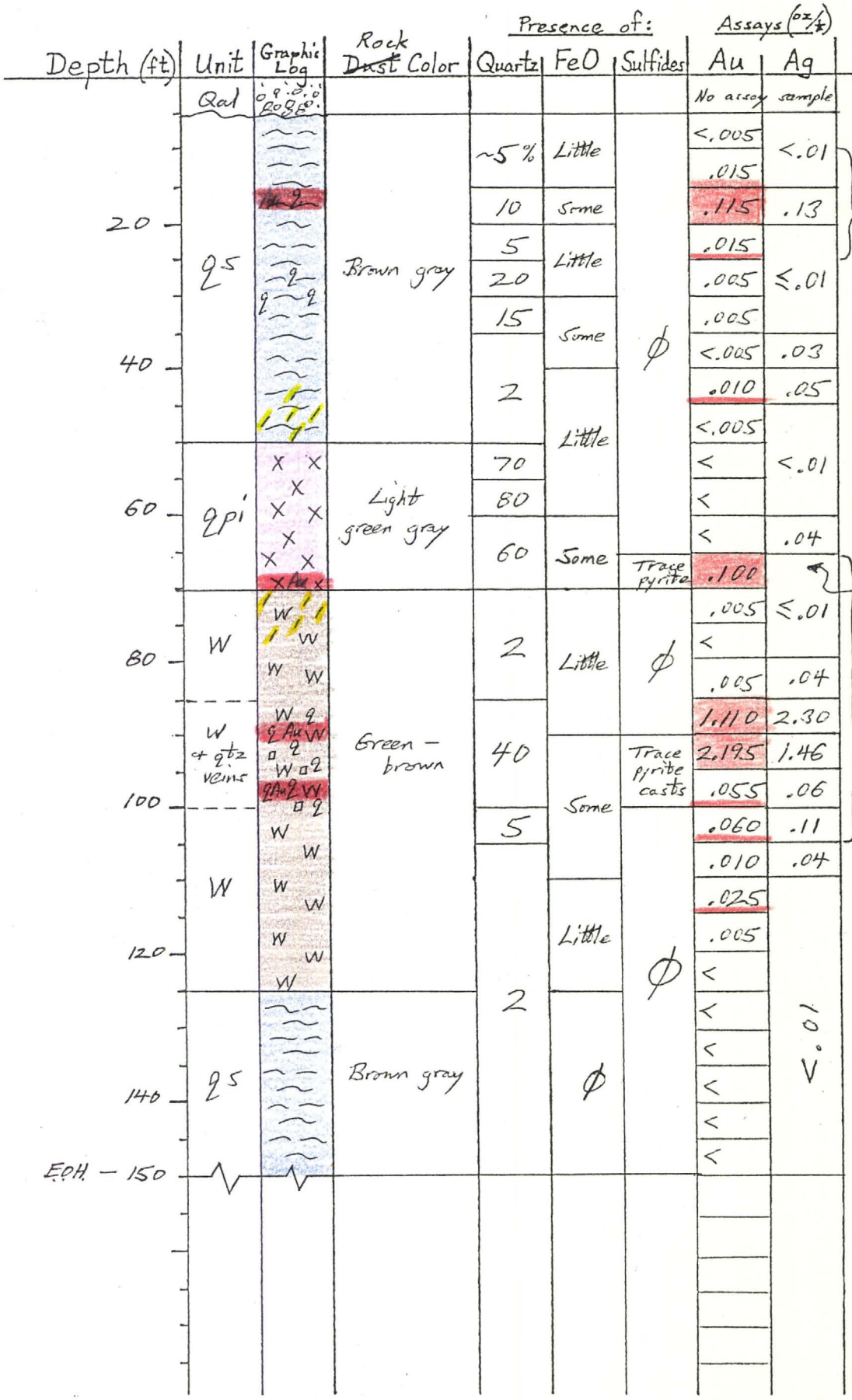
Drilled ~ April, 1964

Logged Dec. 1986

Logged by Don White

VULTURE MINE — HOLE NO. 84-9

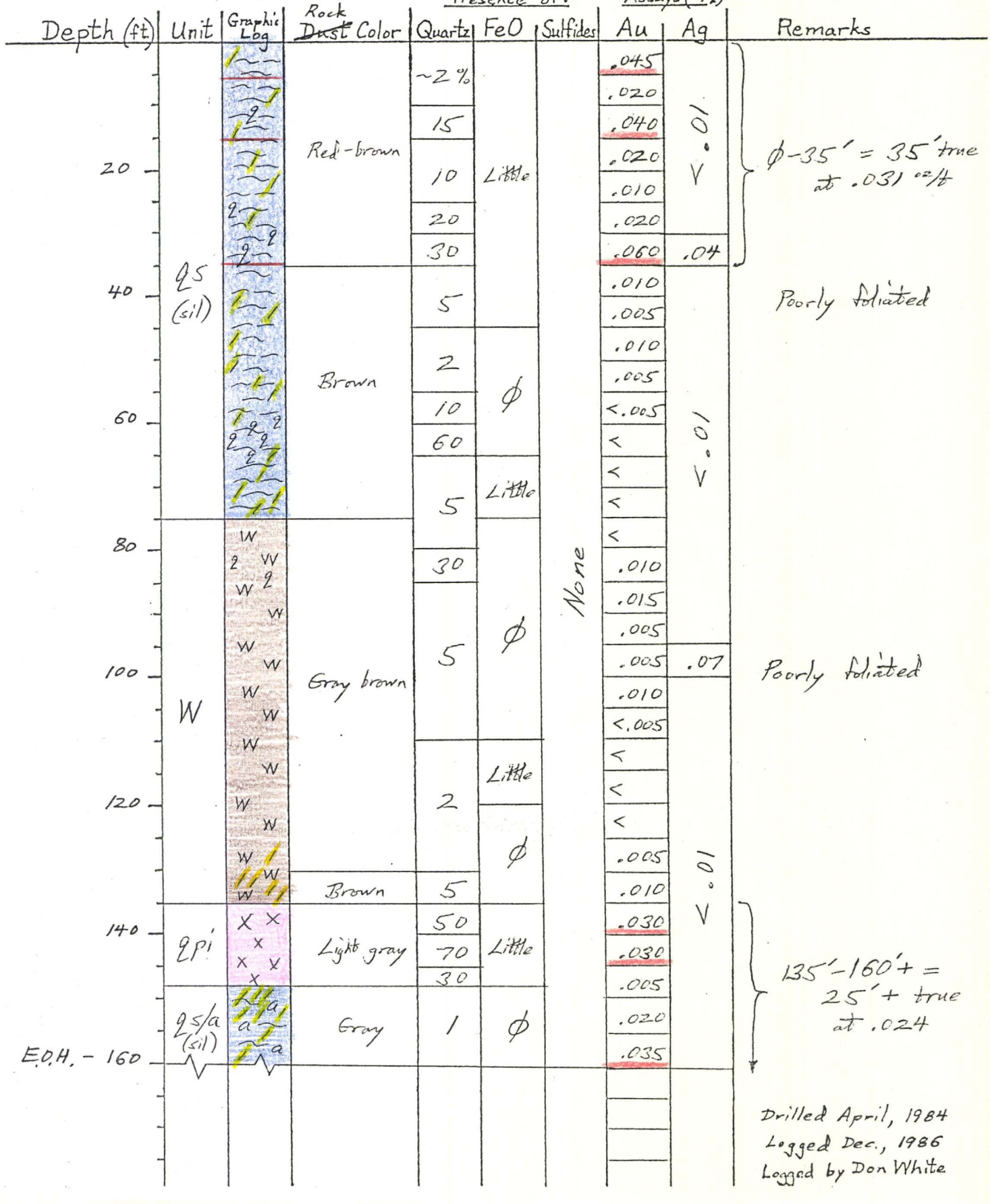
Inclination: −60° Direction: S Total Depth: 150′



Drilled ~ April, 1984
Logged Dec., 1986
Logged by Don White

VULTURE MINE — HOLE NO. 84-10

Inclination: −60° — Direction: S — Total Depth: 160′



VULTURE MINE — HOLE NO. 84-11

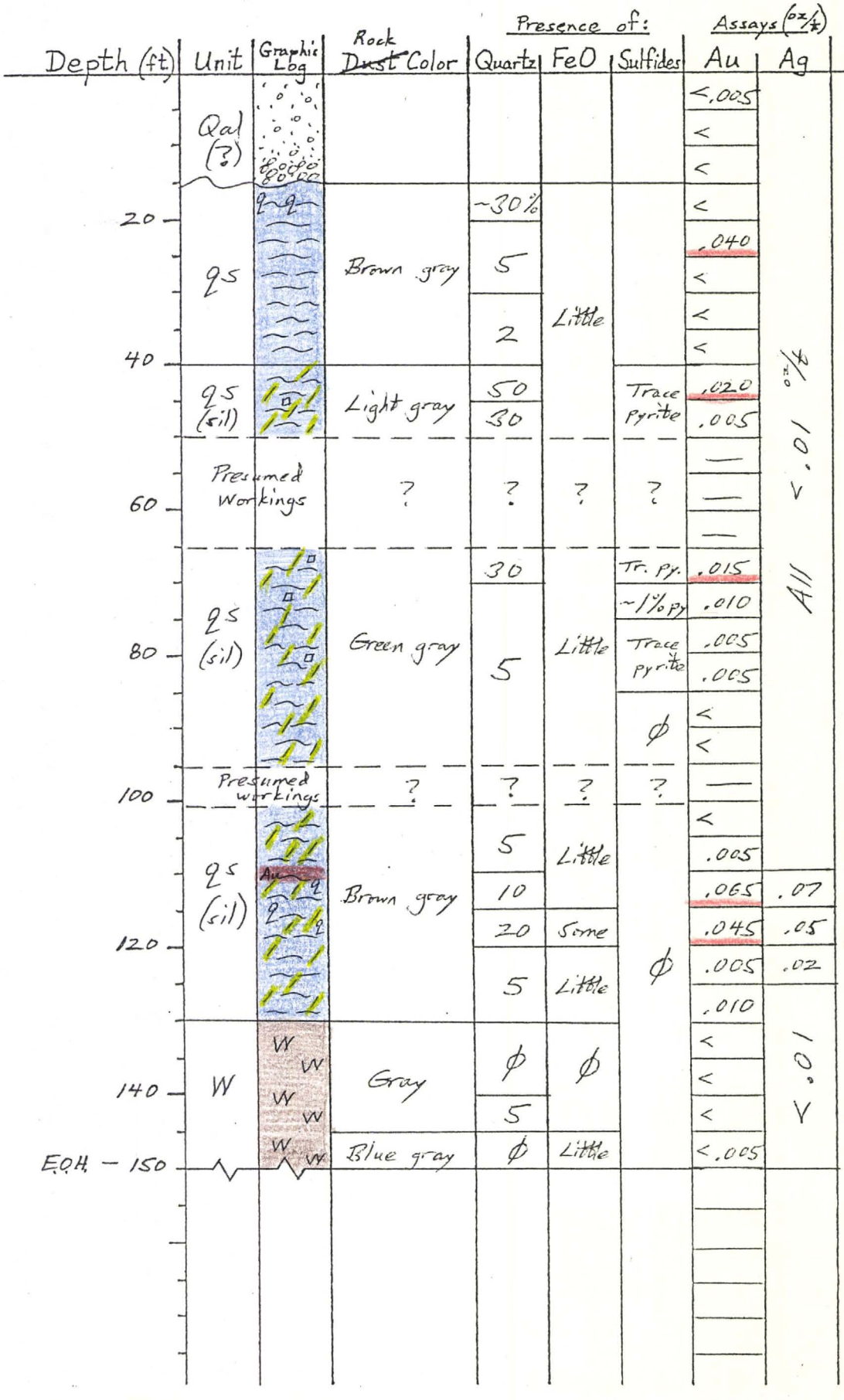
Inclination: -60° Direction: S Total Depth: 150'

Depth (ft)	Unit	Graphic Log	Rock ~~Dust~~ Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
				~5%	ϕ		<.005		
							<		
	qs (sil)		Light gray	10			.025		
20					Little		<.005		
				5			<		
							<		
				ϕ			<		
40	qs		Gray brown	3			<		
				5	ϕ		<		
				10			<		
				3			<		
60							<		
							.005		
	qs (sil)		Light gray brown	5		None	.020	V .01	
80							.005		
					Little		<	All	
							<		
							<		
				50			.005		
				80			<		
100	qpi		Very light gray to white				<		
				50			<		
							.005		
				90	ϕ		<	.02	
120				70			.015	<.01	
				50			.005	<.01	
					Little		<	.01	
	qsc ±a (sil)		Gray brown	2			<	.04	
140					ϕ		<	.02	
				20	Little		<	<.01	
E.O.H. — 150									

Drilled April, 1984
Logged Dec, 1986
Logged by Don White

VULTURE MINE HOLE NO. 84-12

Inclination: -60° Direction: S Total Depth: 150'



Depth (ft)	Unit	Graphic Log	Rock ~~Dust~~ Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	Qal (?)						<.005		No chips retained Ø-15' Presumed alluvium
							<		
							<		
20	qs		Brown gray	~30%	Little		<		Vitreous qtz
				5			.040		Modestly foliated
							<		
				2			<		
40							<		
	qs (sil)		Light gray	50		Trace Pyrite	.020	< .01 oz/t	Poorly foliated
				30			.005		
60	Presumed Workings		?	?	?	?	—		No chips or assays 50-65', presumed workings ~50-60, no return to 65.
							—		
							—		
	qs (sil)		Green gray	30	Little	Tr. Py.	.015	All	Poorly ~~foliated~~
				5		~1% py	.010		
80						Trace pyrite	.005		
							.005		
						Ø	<		
							<		
	Presumed workings		?	?	?	?	—		No chips 95-105 No assays 95-100 Presumed workings.
100							<		
	qs (sil)	Au	Brown gray	5	Little		.005		
				10			.065	.07	110'-120' = 10' true at .055
				20	Some		.045	.05	
120				5	Little	Ø	.005	.02	
							.010		
	W	W W W W W W	Gray	Ø	Ø		<	< .01	
140							<		
				5			<		
E.O.H. — 150			Blue gray	Ø	Little		<.005		

Drilled April, 1984
Logged Dec., 1986
Logged by Don White

VULTURE MINE — HOLE NO. 84-13

Inclination: −60° | Direction: S | Total Depth: 180′

Depth (ft)	Unit	Graphic Log	Rock ~~Dust~~ Color	Presence of: Quartz	FeO	Sulfides	Assays (oz/t) Au	Ag	Remarks
	Qal (?)		?	?	?	?	<.005		No sample retained 0–15′ Presumed alluvium
							<		
							.010		
20							.005		
			Light gray brown	~5%			<		
	qs ± c (sil)				ϕ		<		
40							<		
			Light blue-gray-green	ϕ		ϕ	<	All <.01	Poorly foliated (silicified)
							<		
60			Gray brown	30	Little		<		
				2	ϕ		<		
			Lt. gray green				.005		
	No	chips	retained	?	?	?	<		
80							<		
	qs (sil)		Gray brown	2	Little	Trace pyrite	.005		85–110′ = 20′ true (excluding void) at 0.48 oz/t
				20	Some	~1% py	.030	.02	
	qp′	Au Au Au	White	80	Much		.790	1.17	Traces of CuO
100						~2% py	1.025	.90	Fresh py euhedra ≤2mm
	Presumed void (workings)			?	?	?	No assay	—	No chips + no assays; presumed void (workings)
							.065	.08	
	qp′	Au	White	80	Some		.010	<.01	
				50		Tr. py	.010	.01	
120				20			.005	<.01	
				30	Little		.015	.02	
	qs (sil)		Gray brown	20	Some		.040	.03	Poorly foliated (silicified) 130′–140′ = 10′ true at .03
140							.020		
				2	Little		.015	All <.01	
							.005		
					ϕ	ϕ	<		
160	qs						<		Foliated
				ϕ			<		
							<		
	No	chips	retained	?	?	?	<		Drilled April, 1984 Logged Dec., 1986 Logged by Don White
E.O.H. — 180	qs		Gray green	5	ϕ		<.005		

VULTURE MINE — HOLE NO. 84-14

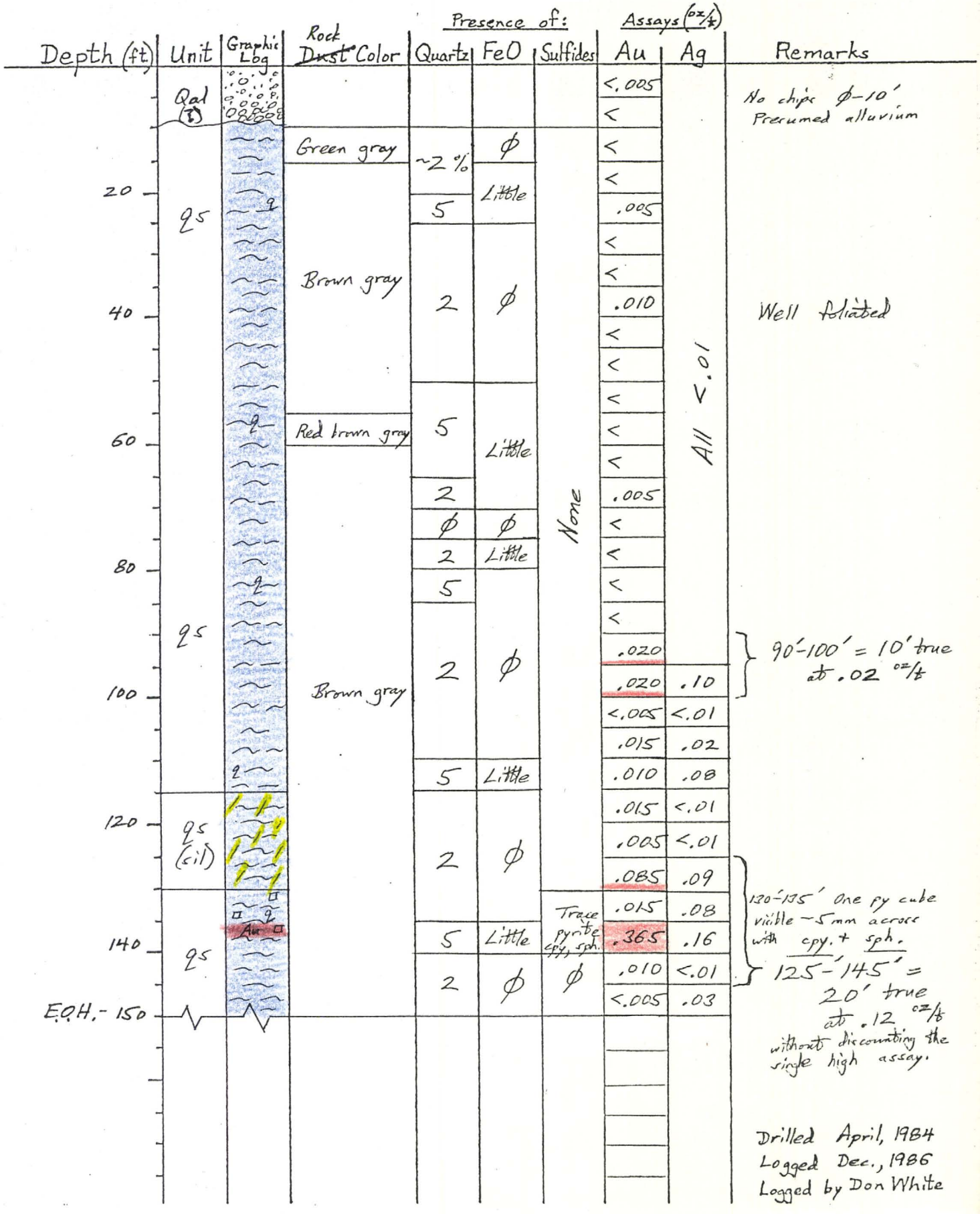
Inclination: -60° Direction: S Total Depth: 150'

Depth (ft)	Unit	Graphic Log	Rock Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
				ϕ			<.005		
							<		Poorly foliated
							<		
20	qsc (sil)		Green gray	~10%	ϕ		<		Black & white qtz – tourmaline with tour. as needles
							<		
							<		
							<		
40				5			<	All <.01	
							.005		
					Little		.005		
							.005		
60	qs (sil)		Brown gray				<		Poorly foliated
							<		
							<		
							<		
80						None	<		
							<		
							<		
							<		
			Gray brown	2	ϕ		.010	.03	
			Red brown				.005	.01	
100							.005		
			Gray brown	ϕ			<	All <.01	Modestly foliated.
			Green gray				<		
	qs						<		
120			Gray brown	5			.005		
					Little		.010		
				20			.070	.04	130'-140' = 10' true at .057 oz/t
		Au		60	Some	Trace pyrite	.045		
140			Green gray				.010	All <.01	
				2	Little	ϕ	.010		
E.O.H. – 150									

Drilled April, 1984
Logged Dec., 1986
Logged by Don White

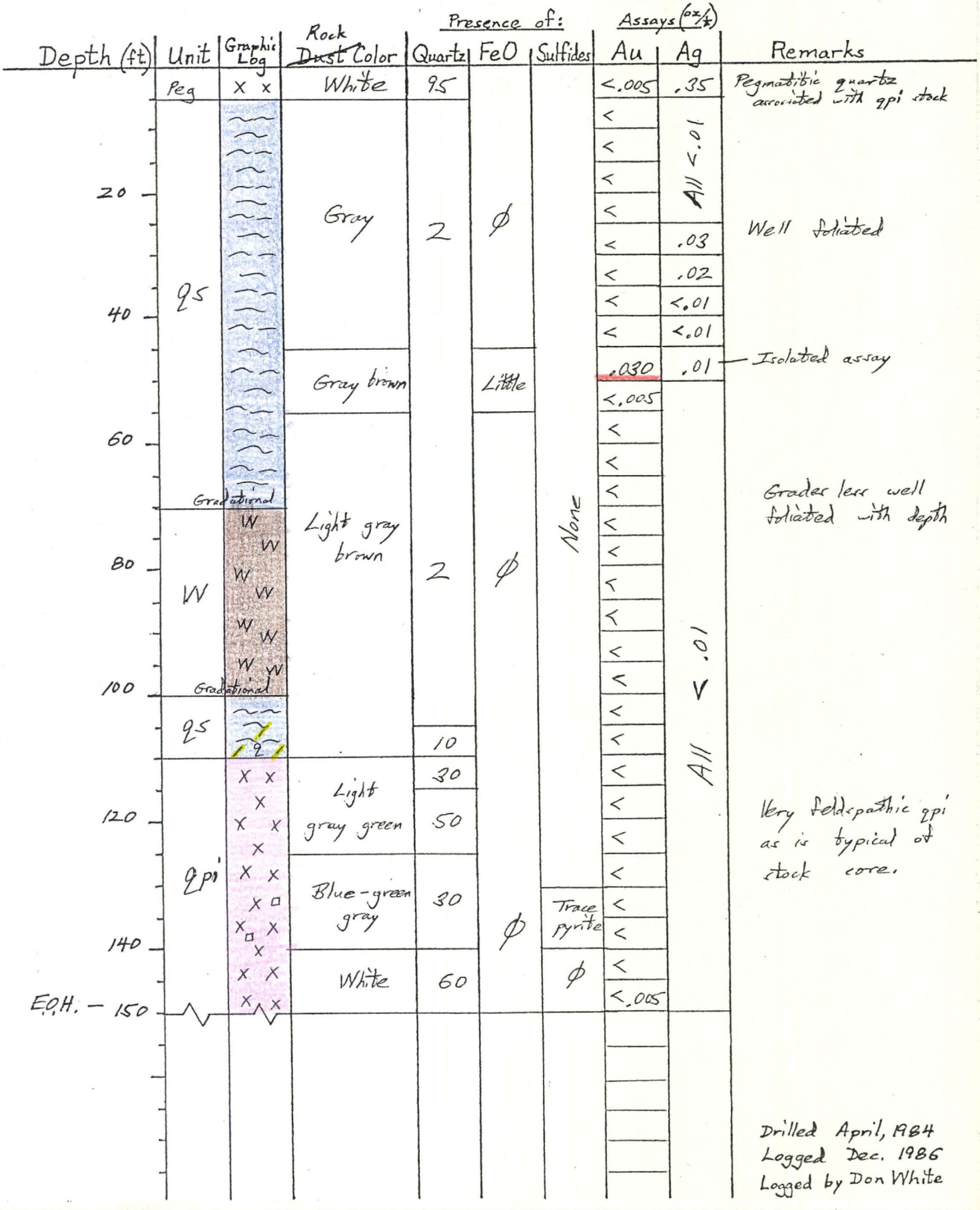
VULTURE MINE — HOLE NO. 84-15

Inclination: −60° Direction: S Total Depth: 150'



VULTURE MINE HOLE NO. 84-16

Inclination: -60° Direction: S Total Depth: 150'



Drilled April, 1984
Logged Dec. 1986
Logged by Don White

VULTURE MINE — HOLE NO. 84-17

Inclination: -60° Direction: S Total Depth: 160'

Depth (ft)	Unit	Graphic Log	Rock ~~Dust~~ Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
				~5%			<.005		
				10			.015		
							.005	< .01	Very feldspathic qpi as is typical of the stock's interior
20	qpi	Au	Gray brown			ϕ	.035		
				40			.125	.84	15'–30' = 15' true at .067 oz/t
							.040	.11	
					Little		.005	.02	
40							.010	<.01	
						Trace pyrite	.005	<.01	
			White	70			.045	.11	White bull quartz — Isolated assay
				40			<.005		
			Light gray	20			.005		
60				40			.010		
							<		
	qpi					ϕ	<	All < .01	
				60			<		
80			White				<		
				70	ϕ				
				80			.005	.04	
							.005	.02	
100		W Au					.045	.15	
			Light brown	30	Little		.005	<.01	
							.010	.14	
				ϕ			.005	.06	
	W			5			.015	.20	
120			Gray brown				<.005		
				ϕ	ϕ	ϕ	<		
							<		
							<	All < .01	
140							<		
	aW	W a W	Dark gray	10			.020		
							<		
	qpi		Light green-white	60	Little	Trace pyrite	<		Last 5' very feldspathic
E.O.H. 160							<.005	.06	

Drilled April 1984
Logged Dec. 1986
Logged by Don White

VULTURE MINE HOLE NO. 84-18

Inclination: -60° Direction: S Total Depth: 100'

Depth (ft)	Unit	Rock Color	Quartz	FeO	Sulfides	Au (oz/t)	Ag (oz/t)	Remarks
0–5	Qpi	Orange-white	~60%	Some	None	<.005	<.01	Quite feldspathic throughout.
5–10	Qpi	Orange-white	~60%	Some	None	.005	<.01	
10–15	Qpi	Orange-white	~60%	Some	None	<	<.01	
15–20	Qpi	Orange-white	~60%	Some	None	<	<.01	
20–25	Qpi	Orange-white	~60%	Some	None	<	.02	
25–30	Qpi	Orange-white	~60%	Some	None	<	All <.01	
30–35	Qpi	Orange-white	~60%	Some	None	<	All <.01	
35–40	Qpi	Orange-white	~60%	Some	None	<	All <.01	
40–45	Qpi	Orange-white	~60%	Some	None	<	All <.01	
45–50	Qpi	Orange-white	~60%	Some	None	<	All <.01	
50–55	Qpi	Light gray-white	~60	Little	None	<	All <.01	
55–60	Qpi	Light gray-white	~60	Little	None	<	All <.01	
60–65	Qpi	Light gray-white	~60	Little	None	<	All <.01	
65–70	Qpi	Light gray-white	~60	Little	None	<	All <.01	
70–75	Qpi	Light gray-white	~60	Little	None	<	All <.01	
75–80	Qpi	Light gray-white	~60	Little	None	<	All <.01	
80–85	Qpi	Light gray-white	~60	Little	None	<	.02	
85–90	Qpi	Light gray-white	~60	Little	None	<	<.01	
90–95	Qpi	Light gray-white	~60	Little	None	<	<.01	
95–100	Qpi	Light gray-white	~60	Little	None	<.005	<.01	

E.O.H. – 100

Drilled April, 1984
Logged Dec., 1986
Logged by Don White

Vulture Project

Tailings Samples

Hole No.	Sample Interval	Gold oz/ton	Silver oz/ton	Total depth of gravel	Total depth of tails	Wt. Average gold	
T-1	0-5	0.060	0.130				
	5-10	0.050	0.100				
	10-15	0.050	0.070				
	15-19	0.065	0.020				
	19-25	0.045	<.01		25	0.053	1.325
	25-27			2			
T-2	0-5	0.075	0.150				
	5-10	0.030	0.050				
	10-15	0.050	0.050				
	15-20	0.020	0.010		20	0.044	0.880
	20-23.5	0.010	<.01	3.5			
T-3	0-5	0.020	<.01				
	5-10	0.015	<.01				
	10-15	0.075	0.050				
	15-19	0.015	0.020	2	17	0.034	0.578
T-4	0-5	0.045	0.090				
	5-10	0.010	0.040				
	10-15	0.020	<.01		12	0.026	0.312
	15-17.5	0.015	<.01	5.5			
T-5	0-5	0.025	0.060				
	5-10	0.015	<.01				
	10-15	0.020	0.040				
	15-20	0.030	0.040	3	17	0.021	0.357
T-6	0-5	0.040	0.070				
	5-10	0.025	0.050				
	10-15	0.030	<.01				
	15-20	0.030	<.01	3	17	0.031	0.527
T-7	0-5	0.045	0.100				
	5-10	0.045	0.040				
	10-15	0.050	0.030				
	15-20	0.050	0.130	2	18	0.047	0.846
T-8	0-5	0.060	0.090				
	5-10	0.035	<.01				
	10-15	0.025	<.01	2	13	0.042	0.546
T-9	0-5	0.050	0.090				
	5-10	0.030	<.01				
	10-13.5	0.030	0.030	1	12.5	0.038	0.475
T-10	0-5	0.050	0.060				

	5-10	0.020	<.01	3	7	0.041	0.287
T-11	0-5	0.055	0.130	1	4	0.055	0.220
T-12	0-5	0.035	0.120	2	3	0.035	0.105
T-13	0-5	0.060	0.110				
	5-10	0.065	0.130				
	10-15	0.030	0.060	3	12	0.057	0.684
T-14	0-5	0.040	0.130				
	5-10	0.055	0.110	1	9	0.047	0.423
T-15	0-5	0.055	0.160				
	5-9	0.040	0.070	2	7	0.051	0.357
T-16	0-5	0.035	0.090				
	5-10	0.045	0.060				
	10-15	0.010	<.01	4	11	0.037	0.407
T-17	0-5	0.020	<.01	1	4	0.020	0.080
T-18	0-5	0.040	0.080	1	4	0.040	0.160
T-19	0-5	0.055	0.090				
	5-10	0.030	<.01	3	7	0.048	0.336
T-20	0-5	0.040	0.090				
	5-10	0.030	0.100	1	9	0.036	0.324
T-21	0-5	0.050	0.090				
	5-10	0.020	0.120				
	10-15	0.040	<.01				
	15-17	0.025	0.020	3	14	0.036	0.504
T-22	0-5	0.020	0.030				
	5-10	0.015	0.040				
	10-15	0.040	0.020				
	15-20	0.030	0.040	3	17	0.026	0.442
T-23	0-5	0.025	0.110				
	5-10	0.025	0.040				
	10-15	0.015	0.070				
	15-17			3	14	0.022	0.308
T-24	0-5	0.010	<.01				
	5-10	0.010	<.01				
	10-15	0.015	<.01				
	15-20	0.010	<.01	3	17	0.011	0.187
T-25	0-5	0.015	0.050				
	5-10	0.015	<.01				
	10-15	0.020	0.050				
	15-19	0.015	0.010	1.5	17.5	0.016	0.280
T-26	0-5	0.020	0.040				

	5-10	0.020	0.030	1	9	0.020	0.180
T-27	0-5	0.020	<.01				
	5-10	0.015	0.010				
	10-15	0.030	0.030				
	15-20	0.025	0.020	2.5	17.7	0.022	0.389
T-28	0-5	0.015	<.01				
	5-10	0.010	<.01				
	10-15	0.015	<.01				
	15-17	0.010	<.01	2	15	0.013	0.195
T-29	0-5	0.025	<.01				
	5-10	0.015	<.01				
	10-15	0.015	<.01				
	15-20	0.010	0.050	3	17	0.017	0.289
T-30	0-5	0.025	<.01				
	5-10	0.015	0.060	2	8	0.021	0.168
T-31	0-5	0.010	<.01				
	5-10	0.020	0.030				
	10-15	0.020	<.01	2	13	0.016	0.208
T-32	0-5	0.030	0.090	2	3	0.030	0.090
T-33	0-5	0.035	<.01	2	3	0.035	0.105
T-34	0-5	0.035	0.040	1.5	3.5	0.035	0.123
T-35	0-5	0.030	0.070	1	4	0.030	0.120
T-36	0-5	0.040	0.010	1	4	0.040	0.160
T-37	0-5	0.035	0.160				
	5-10	0.020	<.01	2	8	0.029	0.232
T-38	0-5	0.050	0.130				
	5-10	0.015	<.01	2	8	0.037	0.296
T-39	0-5	0.010	0.020	2	3	0.010	0.030
T-40	0-5	0.020	0.060				
	5-10	0.010	<.01	2	8	0.016	0.128
T-41	0-5	0.095	0.400				
	5-10	0.020	0.030	1.5	8.5	0.064	0.544
T-42	0-5	0.050	0.180	1	4	0.050	0.200
T-43	0-5	0.025	0.030	2	3	0.025	0.075
T-44	0-5	0.060	0.210				
	5-8	0.035	0.100	3	7	0.053	0.371

T-45	0-5	0.025	0.050	1	4	0.025	0.100
T-46	0-5	0.020	0.160	3	2	0.020	0.040
T-47	0-5	0.050	0.180				
	5-8	0.040	0.020	1	7	0.047	0.329
T-48	0-5	0.040	0.190	1	4	0.040	0.160
T-49	0-5	0.025	0.010				
	5-7.5	0.010	<.01		5	0.025	0.125
T-50	0-5	0.060	0.100				
	5-10	0.025	0.180	1	9	0.044	0.396
T-51	0-5	0.055	0.150				
	5-10	0.035	0.060				
	10-15	0.030	0.050				
	15-20	0.030	0.020	3	17	0.039	0.663
T-52	0-5	0.065	0.070				
	5-10	0.030	0.060				
	10-15	0.060	0.060				
	15-18	0.050	0.100	1	17?	0.051	0.867
T-53	0-5	0.065	0.100				
	5-10	0.035	0.070				
	10-14	0.020	<.01	1	13	0.043	0.559
T-54	0-5	0.045	0.090				
	5-10	0.050	0.070	6	4	0.045	0.180
T-55	0-5	0.050	0.040				
	5-10	0.045	0.080				
	10-15	0.040	0.030				
	15-20	0.025	<.01	2.5	17.5?	0.042	0.735
T-56	0-5	0.015	<.01				
	5-10	0.010	0.010				
	10-15	0.015	<.01				
	15-20	0.020	<.01	3	17	0.014	0.238
T-57	0-5	0.010	<.01				
	5-10	0.010	<.01				
	10-15	0.015	0.020				
	15-18	0.015	0.070	1	17	0.012	0.204
T-2A	0-1	0.040	0.070				
see T-2	5-6	0.035	<.01				
	10-11	0.035	0.010				
	15-16	0.005	0.080				
	20-21	<0.005	<.01		20	0.029	
		0.031		123'	588.200	0.033	19.449

711.20

Vulture Core for Metallurgical Tests

October, 1986

Hole No.	From	To	Interval (ft)	Rock Type	Assay oz/t	Weight (lbs)
M-1	39	43	4	h.w.	0.049	130.8
	43	46	3	qpi	0.073	98.1
	46	48	2	qpi	0.006	65.4
	48	50	2	qpi	0.028	65.4
	50	52	2	qpi	0.003	65.4
	52	54	2	qpi	0.053	65.4
	54	58	4	int.	0.003	130.8
	58	61	3	int.	0.006	98.1
	61	62	1	int.	0.096	32.7
	62	65	3	int.	0.011	98.1
	65	70	5	int.	0.013	163.5
	70	75	5	int.	0.009	163.5
	75	80	5	qpi	0.042	163.5
	80	84	4	qpi	0.050	130.8
	84	85	1	f.w.	0.099	32.7
M-2	11	16	5	h.w.	2.190	163.5
	16	21	5	h.w.	0.006	163.5
	21	27	6	h.w.	0.005	196.3
	27	32	5	h.w.	0.015	163.5
	32	40	8	h.w.	0.012	261.7
	40	45	5	h.w.	0.026	163.5
	45	50	5	h.w.	0.012	163.5
	50	54	4	h.w.	0.080	130.8
	54	58	4	h.w.	0.017	130.8
	58	63	5	h.w.	0.009	163.5
	63	68	5	h.w.	0.002	163.5
M-3	14	19	5	f.w.	0.011	163.5
	19	24	5	f.w.	0.003	163.5
	24	27	3	f.w.	0.030	98.1
	27	31	4	f.w.	< 0.001	130.8
	32	37	5	f.w.	0.005	163.5
	37	41	4	f.w.	0.005	130.8

bury w/ Homestake Slugs @ Creede.

assay for assay Labs.

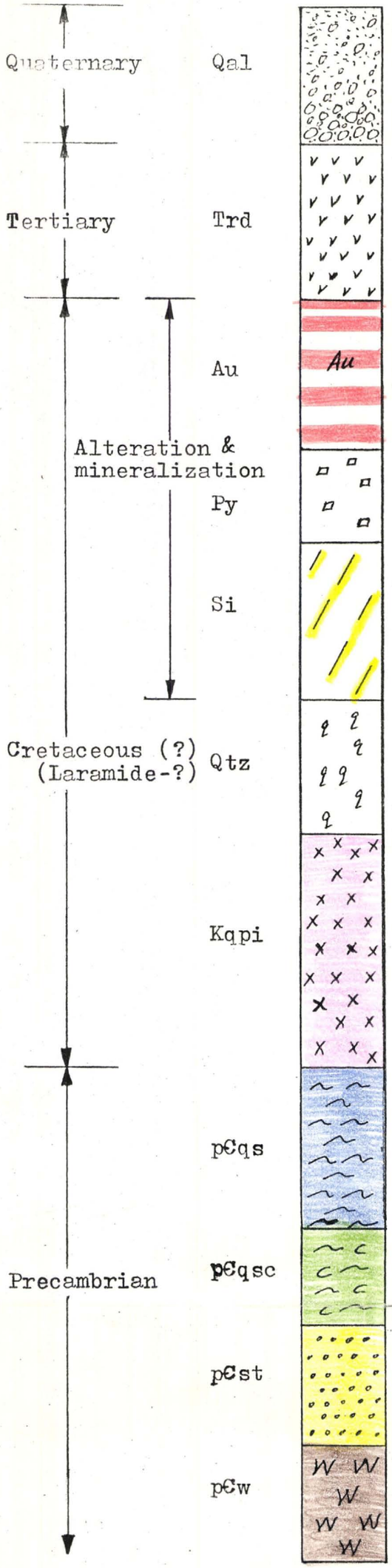
Vulture Core for Metallurgical Tests

	Hole No.	From	To	Interval (ft)	Iron King Assay oz/t	Approx. Weight (lbs)	
							.153
Sample of Qpi	M-1	43	46	3	0.073	98	.158
	M-1	48	50	2	0.028	65	.120/.117
	M-1	52	54	2	0.053	65	.106/.10
	M-1	75	80	5	0.042	164	.103/.110
	M-1	80	84	4	0.050	131	.090/.093
						523	
Sample of hanging wall	M-2	11	16	5	2.190	164	
	M-2	27	32	5	0.015	164	
	M-2	40	45	5	0.026	164	
	M-2	50	54	4	0.080	131	
	M-1	39	43	4	0.049	131	
						752	
Sample of footwall	M-1	61	62	1	0.096	33	
	M-1	84	85	1	0.099	33	
	M-1	65	70	5	0.013	164	
	M-3	24	27	3	0.030	98	
	M-3	14	19	5	0.011	164	
						491	

VULTURE MINE

GRAPHIC DRILL LOG LEGEND

Compiled from rotary-reverse circulation chips



ALLUVIUM, colluvium; derived from the same rocks as in this sequence except for granodiorite from ≥2 miles NW. Varied but generally low degree of rounding, sorting, and stratification.

RHYOLITE DIKE; white, aphanitic, cross-cutting unit up to 15 feet in drill intercept thickness. Commonly contains black Mn dendrites on joint surfaces. Only known to occur in W portion of property near pits 3 and 4.

GOLD; noted in graphic log where significant assays are reported. Thought to be cogenetic with other Laramide (?) events like qtz-pphy intrusion and associated pyritization, silicification, and quartz veining (see below).

PYRITE; generally tiny (≤0.5mm) disseminated cubes. Often in qtz or intensely silicified rocks.

SILICIOUS ROCK; thought to be introduced silica related to the qtz-pphy intrusive. Often obscures foliation and sometimes prevents identity of the original rock type. Intense silicification yields an amorphous quartzite.

QUARTZ; only used to designate vein or bull quartz and discrete, visible qtz as in qtz-rich siltite and qtz-pphy intrusive. May harbor sulfides (py, gal) and native gold.

QUARTZ-PORPHYRY INTRUSIVE; med to coarse-grained, altered (sericitized, pyritized, silicified) granite to qtz-monzonite with qtz porphyroblasts (often up to 4mm dia). Quartz is typically a soft, pastel green (chloritic-?) or pale gray to milky. Emanates as an apophysis from stock to the W of pit 3. Generally semi-conformable, sill-like.

QUARTZ-SERICITE SCHIST; brown, gray, tan, or almost white, thin laminated, fine to med grained quartz and sericite. Often iron stained. Gradational to siltite or wacke (see below) and prone to silicification.

QUARTZ-SERICITE-CHLORITE SCHIST; same as above with the addition of a chlorite component (usually < 20%).

SILTITE; brown or tan to light gray, poorly foliated, very fine grained, meta-silt. Often a quartzite. Grades finer to quartz-sericite schist or coarser to wacke.

WACKE; brown, tan, or med to dark gray, poorly foliated, med grained, meta-wacke. Grades to siltite and qtz-ser schist. Prone to silicification.

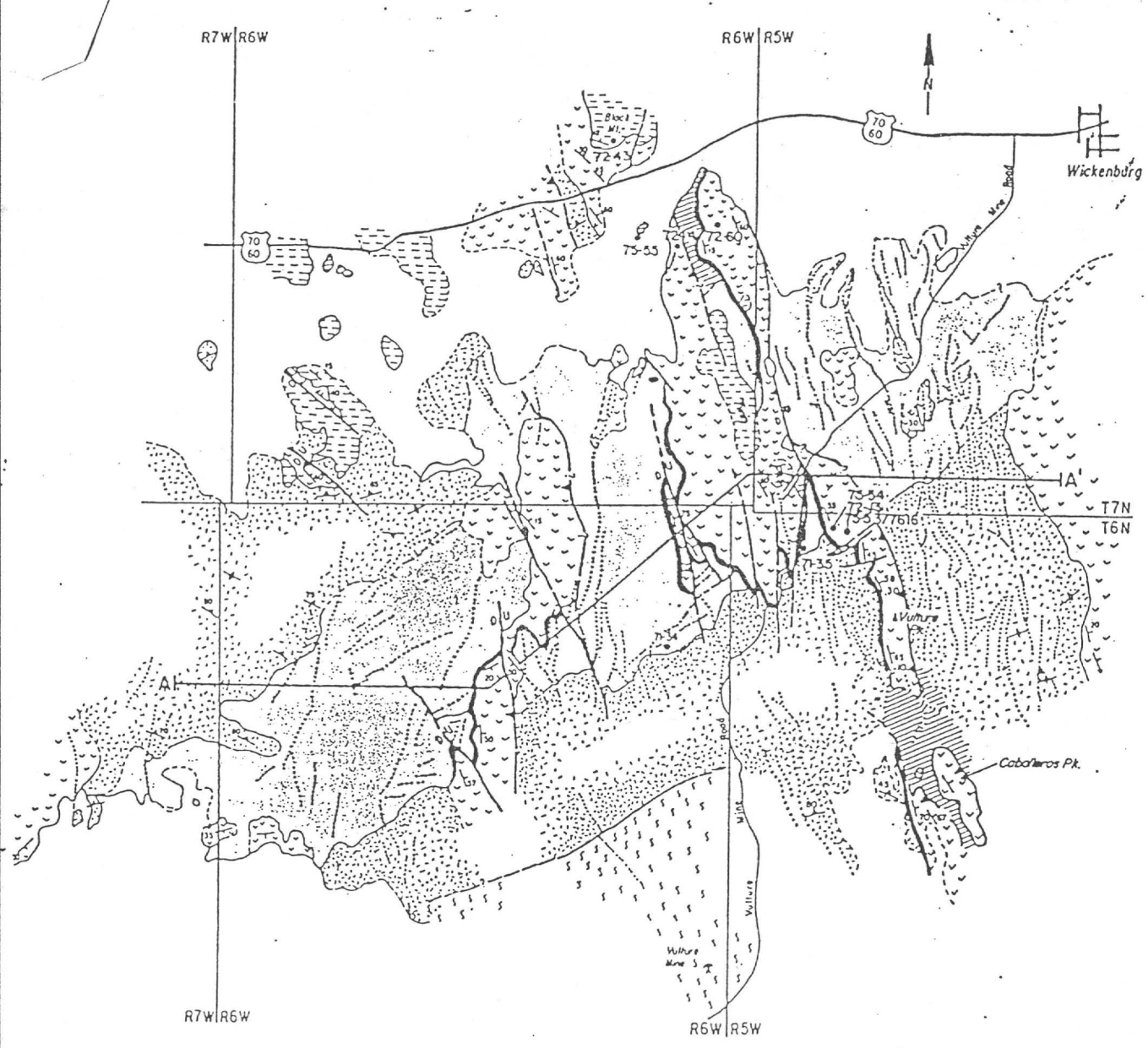
Don White - Dec. 1984

VULTURE MINE — HOLE NO. H-1

Inclination: Vertical — Direction: Vert. — Total Depth: 300'

Hole drilled to 130' in April or May, 1984; extended to 300' Oct. 1984

Depth (ft)	Unit	Graphic Log	* Dust Color	Presence of: Quartz	Presence of: FeO	Presence of: Sulfides	Assays (oz/t) Au	Assays (oz/t) Ag	Remarks
0	Qal		* Rock color thru 130', dust (cuttings) color beyond	Alluvium			<.005		Qal derived from both Kqpi and pf gneiss
							<		
							<		
20'							<		Coarse drilling 15-20'; probably in cobbles
~21'							<		
	pf qs		Red-gray	ϕ	Little	None	<	All Silver assays V .01 oz/t	White, bull qtz.
				10%			<		
40				5			<		
				ϕ			<.005		Well foliated
				5			.010		
							.005		
	qsc		Green-gray	10	ϕ		.005		Very poorly foliated, saccharoidal.
60							.010		
							.005		
				5	Little		.010		
			White + red-brown	30			.005		
80			Red brown	5	Some		.010		Poorly foliated.
							.010		
							<.005		
							<.005		
100				2	Little		.005		
	qs		Green-gray				<.005		
							<		
							<		
120							<		
							<.005		125-130; Hairline blood-red weathering veinlets of hematitic quartz.
130'		Au					0.095		Old hole to 130'
	pfqs		Brown-pink	5%	Slight		0.016	No Ag assays 130-300'	New hole, extention
140'							0.008		
			Very light gray	5%			0.007		Very intensely silicified
148'							0.016		
	Kqpi	Au	White	60%	Much	2% PY Trace gal	0.073		Au } 7.7' true thickness @ 0.06
160		Au					0.055		
			White	80%		Trace PY	0.005		
							0.007		
							0.034		
		Au					0.041		
181'							0.056		← Assay for 180'-181'



EXPLANATION

Quaternary		Recent Alluvial Cover
Late Miocene To Pliocene		Basalt
Miocene		Rhyolite & ultrapotassic rhyolite Porphyry Dikes
		Silicic, ultrapotassic volcanic sequence
		Basal Congl.
Laramide		Wickenburg Batholith (Granodiorite, Diorite, and Quartz Monzonite)
PЄ		Granite Gneiss
		Coarse-Grained Quartz Monzonite
		Mafic Schist

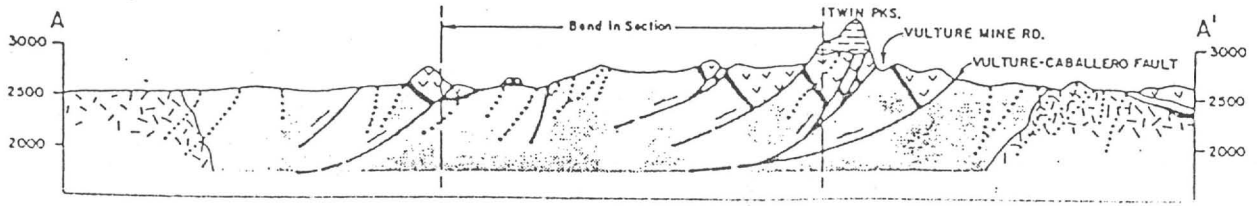
GEOLOGIC CONTACT (Inferred Where Dashed)

FAULT

STRIKE and DIP FOLIATION ATTITUDE

71-60 K-Ar SAMPLE SITE

0 1 2 3 4
Miles

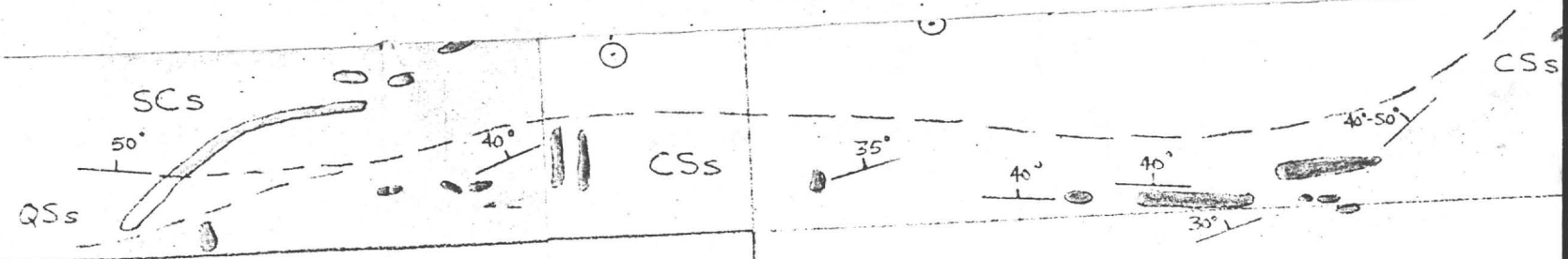


GENERALIZED GEOLOGIC MAP &
CROSS SECTION OF THE VULTURE MOUNTAINS

Adapted from Rehrig et al 1980

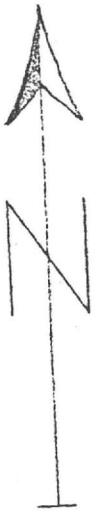
Attachment to C.L. Elliot Memo
8-8-86

Figure 8



LEGEND

Gp	Granite porphyry
Ap	Aplite
QSs	Quartz-sericite schist
SCs	Sericite-chlorite schist
CSs	Chlorite-sericite schist
Gg	Granite gneiss
Am	Amphibolite
Cs	Chlorite schist
An	Andesite
Qz	Quartz-silicified rock



Vulture

6/7/89
JMcK

Quaternary — Qal — Alluvium

Tertiary — Tv — Undiff. volcs — Rhyolite, white, aphanitic, commonly contains Black Mn dendrites on joint surfaces, occurs in W portion of pits 3 & 4

Cretaceous (Laramide?)

Ka — Aplite & Alaskite

Kqp — Qt_3 Porphyry — med to coarse grained, altered (sericity-wk, pyritized, silicified) granite to Qt_3 monzonite w/ qtz porphyroblasts (up to 4mm dia). Qtz is typically a soft, pastel green (chloritic?) or pale gray to milky. Emanates as an apophysis from stock. Still like

Gr — Granite & Pegmatite

PreCambrian — pE — Undiff. schists & Amphibolites

pEqs — Qt_3-Sericite Schist: Brn., gray, tan or almost white, thin laminated, fine to med grained qtz & sericite. Often iron stained. Gradational to siltite or wacke & prone to silicification

pEqsc — Qt_3-Sericite-chlorite Schist: same as above w/ addition of a chlorite component (usually < 20%)

pEst — Siltite; Brown or tan to light gray, poorly foliated, very fine grained, meta-silt. Often a quartzite. Grades finer to qtz-sericite schist or coarser to wacke.

pEw — Wacke; brown, tan or med to dark gray, poorly foliated, med grained, meta-wacke. Grades to siltite & qt_3-sericite schist. Prone to silicification.

Granite Gneiss?

thrust fault

10 — strike & dip

horizontal bedding

foliation

horz. foliation

joints

horz. joints

vert. joints

Drill Hole: VIP89-1

Azimuth: S10°E

Angle: -45° @ collar

Collared: July 11, 1989, began drilling 7/12/89

Collared by: John Norby

Core Size: NQ (10-725 ft) BQ (725- feet)

Collar location: 200' N70°E of Line #10 @ 47N

Driller: SDS Drilling
Sparks Nevada
Calvin Shafo - driller
Willie - truck driver
Dan Kay - drillers helper

Projected Depth: 1100 ft

Drill Hole VIP89-1 pg. 1 of ____

Depth	Graphic Log	Description	Mineralogy	Sample #	run/recov	Au oz/ton	Ag oz/ton
		0-10 ft; hole cased, no core recovery					
10		10-48' Tertiary? Rhyolite sill. highly fractured, mostly gravel. Rhyolite- fine grained white plag, hex. qtz phenos 1-2mm; minor chalcite, minor specs of hematite & MnO_2 dendrites. local K-spar (etc) with local inclusions of green mica schist (PFs). Numerous small (1/8") qtz stgs. throughout.	minor hem. MnO_2, mod carb. alt, qtz stgs.	196001	3/2	.008	
					2/1		
				196002	5/1		
20				196003	5/2		
				196004	2.5/1.5		
					2.5/1.5		
30				196005	4/2.5		
					2/2		
				196006	3/2		
40					2/2		
				007	2/2		
					4/2		
		48'-96 PFs, chlorite-sericite-white plag schist, dark green, locally brecciated & cemented with qtz, calcite & limonitic-hematitic clay. Entire section highly fractured, mostly gravel. rock is soft, abundant clay & mod. qtz stgs. throughout	qtz-calcite stringers, limonitic clay alt.	008	1/.5		
50					1.5/1		
				009	3.5/.5		
					1.5/1		
					2.5/1		
				010	2/1.5		
60					2/1		
				011	2.5/1		
					1.5/1.5		
				012	3.5/2		
70					4.5/2.5		
				013	2/1	.002	
					1.5/1.5		
		79 small rhyolite sill		014	2.5/2		
					.5/1.5		
80					2.5/2		
				015	5/5		
		numerous small, irregular qtz-calcite stringers	strong limonitic hematitic clay along fractures	016	3/2	.002	
				017	4/2	.002	
90					2/1.5		
			qtz-calcite stgs up to 3/4"	196018		.002	
100							

Drill Hole VIP89-1 pg. 2 of ____

Depth	Graphic Log	Description	Minerology	Sample #	run/recov	Au oz/ton	Ag oz/ton
		96-128 pfs Sericite-plag-qtz-chlorite schist gradational from above. highly fractured, strong clay along fractures. Mostly several abundant qtz-calcite stigs.	qtz-calcite stigs throughout.	196019	5/4.5 2/1 3/1.5 1/1	.002	
				020	1.5/1 3/1	.001	
110				021	4/2 1/1	.002	
				022	2.5/2 2/1	.001	
120				023	2.5/2.5 3/2.5	.001	
		128-147' RHYOLITE SILL, FINE GRAINED WHITE PLAGE, 3% HEXAGONAL PHENOS, 1-2 MM. MINOR CHLORITE, 1% BLACK, WHISPY MINERAL (HEMATITE?), TRACE < .01% PYRITE, MODERATE OXIDIZED HEMATITE ALONG FRACTURES. UPPER CONTACT SEMI-CONFORMABLE (?) 25° TO CORE, MINOR SMALL QTZ. STRINGES AT 45° TO CORE W/ 1.5% SPECULAR HEMATITE, LOWER CONTACT SHARP & PLANER @ 40% CORE MODERATELY FRACTURED	TRACE BLACK MINERAL. < 01% PYRITE. SMALL QTZ. STRINGERS.	024	2/2	.001	
130				025	5/1.5	.001	
				026	6.5/4 2.5/1	.002	
140		142-165.5 PFS. CHLORITE, SERASITE, QTZ. SCHIST MODERATELY STRONGLY FOLIATED @ 35° TO CORE, WEAK TO MODERATE LIMONITIC CLAY ALONG FRACTURES. OXIDIZED HEMATITE. CORE MODERATELY FRACTURED. LOWER CONTACT OBSCURED BY GRAVEL.	MINOR LIMONITIC CLAY. OXIDIZED HEMATITE.	027	3/3 3/3	.001	
				028	3.5/3.5 1.5/1.5	.001	
150				029	3/3 1.5/1.5		
				030	3/3 2.5/1.5	.001	
160		165.5 - 172 RHYOLITE SILL SAME AS ABOVE, LOWER CONTACT SHARP & PLANER @ 35° @ 172' CORE MODERATELY FRACTURED.		031	3.5/3.5	.001	
				032	2.5/2.5 2/2	.001	
170		172 - 196 QTZ. CHLORITE SCHIST DARK GREEN. CORE MODERATELY FRACTURED. STRONG HEMATIC CLAY ALONG FRACTURES.	HEMATITIC CLAY.	033	3/3	.001	
				034	4/4 2.5/2.5	.001	
180				035	2.5/2.5 3.5/3.5	.001	
		186 - 196 core highly fractured		036	1/1 3/3	.001	
190				037	1.5/1.5 2/2 1/1 .5/.5	.001	
		Lower contact obscured by fracturing					
		196 - 269.0 Rhyolite sill, fine grained white plag & 3% - 5% qtz phenos (birds eye porphyry) 1-2mm, .5% fine grained ox hematite 1% biotite	hematite $FeMnO_2$ on fractures	038	4.5/4.5	.001	
200				198039			

Drill Hole VIP89-1 pg. 3 of ____

Depth	Graphic Log	Description	Mineralogy / alization	Sample #	run/recov	Au oz/ton	Ag oz/ton
	Rhyolite Dike	196-269.0 RHYOLITE DIKE, con't. white, hard, blocky. Dendritic black MnOx. Porphyritic - 30% 1-2mm qz phenocrysts. Evenly distributed FeOx after py and locally chlorite?	201-205 ser replaced, high % FeOx frac	196039	205	.001	
210				040	210	.001	
			214-216 FeOx frac // to core axis,	041	215	.001	
220				042	220	.004	
				043	225	.001	
230				044	230	.001	
				045	235	.001	
240				046	240	.001	
				047	245	.001	
				048	247.0	.005	
250	gd inter	247.0-250.4 GRANODIORITE. Med green chlorite-plag-sericite. Not foliated.	1% ox py 2% carb vns	049	250.4	.002	
	Rhyolite Dike	Rhyolite Dike, con't.		050	255	.003	
260				051	260	.001	
				052	265	.001	
		0.2' BIK cal @ ctc	sent >	053	269.0	.003	
270	Altered Dacite	269.0-310.3 PRECAMBRIAN SCHIST - DACITE. Med green, poorly foliated, chl-feld-qz w/ sericite where altered	269-278 FeOx-qz veins & stringers ser, local sil. (ctc effect of rhyolite)	054	272	.003	
		279.2-279.9 Rhyolite Dike		055	275	.004	
280		qz veins & FeOx after py @ 275.5 @ 45° % to core axis.		056	280	.002	
		270.0 0.6" qz-FeOx after sulfide vn @ 35° % to core axis		057	285	.002	
290		290.6 two 0.3" qz-FeOx after sulfide vns @ 40% to core axis offset by nearly ⊥ unmineralized frac @ 70-80° % to core axis.		058	290	.001	
				059	295	.001	
300				196060	300	.002	

Drill Hole VIP89-1 pg. 4 of ____

Depth	Graphic Log	Description	Minerology	Sample#	run/recov	Au oz/ton	Ag oz/ton
300	Dacite	296.0-310.3 pE Schist cont.		196061	305	.002	
310				062	310.3	.001	
	Rhyolite	310.3-318.2 RHYOLITE DIKE 310.3-314.2 Sil ± Partially replaced pE volc. 314.2-318.2 Clean rhy w/ 0.4' inlier of volc @ 315.8.		063	314.2	.004	
				064	318.2	.002	
320	Dacite Porphyry	318.2-324.0 DIORITE, Med green, porphyritic (2-4mm plag xtls) in chlorite-plag-qz (actinolite) vns @ 10°, 30° and 45° ∡ to core axis.	.1-.2" qz-FeOx (after py) vns: .1" @ 321.0, .3" @ 322.5, 0.2" @ 323.5	065	324	.001	
330		324.0-338.7 pE? DACITE. Med green, chlorite-plag-qz-ser sch. Well foliated. Fol 65° ∡ to core axis @ 326. Fol 11 to core @ 329 (deformed?)	334.0-334.4 Brecciated carbonate-sch-hem vn @ 45° ∡ to core axis.	066	329	.002	
				067	334.0	.001	
				068	334.5	.005	.14
	337.5-338.7	Silicified? contact zone - Lt. greyish green w/ Felsic Bx frags cont. 70° to core Axis.					
340	Diorite Dacite Breccia	338.7-454.4 Diorite Dacite Breccia — Md green, wk Fol. Chlor.-plag.-qtz.-ser Shist, Fine grained ground MASS with 30-50% (1) cse grained granitoid, (2) Fine grained Felsic, 3) chloritic (After Above dacite?) (4) qtz Fragments rounded to subangular (occ. Angular) (5) Sobbelral	(7-22-89) 341.5-342 thin qv w/ Red Feox After py.	069	340	.001	
				070	342	.001	
			tr-2% Limonite After Py	071	347	.001	
350	Plag xtls.	(Frags from 1/8 in. to 1.5 in. dia.). Rock moderately broken + oxidized, minor Feox along fractures + as blebs After (Py).		072	352	.001	
		* At 356.6 - Fairly Fresh Less oxidized		073	356.6	.001	
360		Diorite-Dacite Breccia — (Same as above) Md-Dk green-grey Fresh (Less oxidized) Pyrite well Preserved, Lt. green (carb-epidote?) patches	1-2% Fn. md Py Along Fract. & as dissem.	074	361	.001	
			2-3% F-M Py minor V. Fn gr. silvery sulf metallic PbS? MoS2	075	363.5	<.001	
		361-363.5 - thin qtz vns w/ Py + minor shiny silvery metallic Fn grained PbS-MoS2?	1-2% F-M Py	076	368.5	.001	
370			368.7 Fractured + oxidized 2% Py + Limonite.	077	373.8	<.001	
		Fine "dusty" Silvery metallic MoS2?	thin Qtz vns min Silicified zones, 3% Py	078	375.3	<.001	
		381- Scattered V. Large up to 3 in Granitoid Frags.	2-3% F-M Py	079	380	.025	
380			3% f-M Py occ cse blebs	080	385	.001	
			3% Py	081	390	.005	
390		3% Py overall. vns X-cut Granite Frags	390.5-391.5 few thin Qtz vns w/ cse Py, tr cpy "dusty" silvery metallic	082	394.6	.001	
			thin Qtz vns like above. 3-4% Py	083	397	<.001	
400			3% Fn-cse Py	084	401	.001	

Depth	Graphic Log	Drill Hole VIP89-1 pg. 5 of ___ Description

196053
086

~~Diorite~~ Dacite Breccia (cont.)

Fine dusty MoS_2?

405-442 - extremly broken + Fract. More oxidized.

422-424 - represented by 3 inches of ground up core. Appears to be Rhyolite dike material

424-468 - Core moderately broken\ Fract
468-474 - Core extremly broken
474 - good MASSIVE core.

338.7 - 454.4

454.4 - 469.3
Rhyolite Dike - White fn. grained, MASSIVE, blocky. Saccroidal texture w/ qtz, Feldspar-Ser.? V. Hard Siliceous. Numerous thin Hairline fractures random orientation and thin qtz. vns. occasionally pyritic w/ minor MoS_2. Mn OX dendrites. Spotty FeOX stains after Py.
- Very few qtz eyes noteable
- Scattered bright green MICA speckles (Fuchsite)?

contact extremely broken/oxidized, several thin qtz. vns. disrupted

~~Diorite~~ Dacite breccia - Md grey green, medium-fn grained groundmass w. 20-50% Coarse granite, Felsic, + qtz inclusions. Numerous subhedral Plag.? xtals. Groundmass chlor-Amph-plag-qtz. Scattered md-cse magnetite grains.

480-483 - core Fract.

474.5 - 588 Core fresh unoxidized. Massive. Good Look at texture. Granular. Intrusion breccia?

Depth (to)	Minerology	Sample #	run/recov	Au oz/ton	Ag oz/ton
400		196084	401		
	3% Py w/ Minor PbS-MoS_2? Rock slightly more oxidized	085	405	.001	
	Few thin QVs 3% Py	086	408.3	.001	
410	1-2% diss Py + along thin Fracts	087	413	.001	
	1-3% Lim./Py deeply oxidized Fractured Rubble	088	418	.001	
420	Same rubbly, 1-3% original sulfide?	089	424 (5' core loss)	.002	
	1-3% orig. sulfide? ground up chips-pebbles of Dacite Breccia	090	430 (4' core loss)	<.001	
430	2-3% Py rubbly, oxidized	091	435	<.001	
	1-2% Fn-Md Py - Less deeply oxidized + broken	092	440	<.001	
440	2-3% Py as diss. in Fracts + assoc. w/ thin qtz. vns. tr. cpy + MoS_2	093	445	<.001	
	1-2% diss. Py. Minor Pyrite in heirline fracts.	094	450	.001	
450	~3% Py diss + as cse blebs. Core Fairly Ox.	095	454.4	<.001	
	tr-1% Py esp w/ thin qtz. vns	096	459	<.001	
460	~2% diss Limonite after Py. Fresh Py in qtz. vns.	097	464	<.001	
	~1% Py/Lim.	098	469.3	<.001	
470	2-3% oxidized Py. with vns + dissem.	099	474	<.001	
	½-1% diss Py minor Py cpy + MoS_2 w/ thin qvs	196100	479	.001	
480	1% diss Py also w/ thin q.v.s.	101	484	.001	
	2% diss Py, Fract Filling + thin q.v.s.	102	489	<.001	
490	3% Py fn-Md. diss + along Fracts.	103	494	.001	
	3% Py.	104	499	.001	
500	↓				

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Depth	Graphic Log	Description	Mineralogy	Sample #	run/recov	Au oz/ton	Ag oz/t
500					499		
		Diorite Dacite breccia (cont.) carrying 20-50 % fragments Scattered md to cse MAgnetite.	2-3% diss Py clots w/ thin q.v.s	196105	504	<.001	
			2-3% diss Py + tr MoS2.	106	508	<.001	
510			2-3% Py	107	512	.001	
		517-519 - Cloudy Wispy irregular Silicification. Hard. 7-20	2-3% Py.	108	515.5 ✓	.001	
			517-519 silicified 2-3% Py & tr cpy + MoS2.	196109	519	.002	
520		529-549 - Rock extremely Broken & Fract. to Rubble	2-3% Py Few thin qtz vns.	110	524	.003	
			Same	111	529	.001	
530		532.8	1-2% Py core highly Fract	112	532.8	.001	
		532.8-552.3 Diorite Dacite Breccia - with 10-30% ¼ inch felsic & qtz Frags. Granite Frags less prevalent. Groundmass chlor-Amph?-qtz. Md green, md. grained. Disseminated Magnetite grains. (Spotty magnetism). 547-549 - gouge chloritic w minor carb. thin 2in Red Feox band 50° to core in gouge.	2% Py core highly Fract	113	538	<.001	
540			broken 2-3% Py	114	543	<.001	
			2-3% Py Same broken	115	548	<.001	
550		552.3-574 Diorite- Dacite breccia - chlor Amph.? qtz - md green Fn-md grained w 20-40% cse Granite, felsic (Rhyolite), quartz fragments.	2-3% Py tr MoS2 qtz-cb. Strs.	116	552	<.001	
			3-4% Py MoS2	117	555 2.5 Ft core Loss	.001	
			NVL MAFic dike	118	559	<.001	
560		552-555 - Lighter green slightly carbonated zone, Fract w Numerous qtz-carb Stringers, Frags still evident. 555-559 bright green MASSive, without Frags, chlor-ser-qtz-cb. (MAFic Dike)?	?? ground up pebbles 2-3% Py.	119	4.5 ft loss 564	<.001	
			1% Py. 6in. Sample	120	5.5' core loss 570	<.001	
570			No Recovery		574		
	574-576	QPI Qtz Feld ser, White MASSive Fn-md grained No distinct qtz eyes.	2-3% Py w/ diss MoS2	1 Ft Loss 121	576	<.001	
		Diorite Dacite breccia (cont).	2% diss Py Few qtz-cb. Stvc.	122	581	<.001	
580		576-588	3% Py occ cse blebs.	123	584.5	<.001	
	contact broken		2-3% Py	124	588	<.001	
	588-592	Contact alteration zone? Felsic intrusive? Siliceous lt grey qtz, Ser w chlor occ granular, MASSive. Wispy Cloudy Appearance. No Frags. diss. magnetite, Scattered blends w/ dacite	1-2% diss Py + tr MoS2	125	592	.001	
590		592-627 RE Andesite? Md to Dk green. (wk. Foliation) Fn. grained. disseminated MAgnetite. Intrusive? Extrusive? No Frags. Chlor-Amph-qtz-ser	3-4% Py tr MoS2	126	595.5	.002	
			3% Py cpy MoS2	127	598	.001	
600		595.5-598 - Several 1-4in qtz vns w Py cpy & Moly. Py as blebs in vns.	4-5% Py, MoS2	128	603	.001	

Drill Hole _____ pg. 7 of ___

Depth	Graphic Log	Description	Mineralogy	Sample #	run/recov 598	Au og/ton	Ag og/t
600		PE Andesite? (cont) Fn-Md gr. Massive with diss. magnetite in matrix & as coarse blebs in some veins. chlor-Amph qtz-ser	4-5% Py+MoS2 silicification	116128	603	.001	
			2% diss Py, few thin qtz vns	129	608	.002	
610		595.5 → 611.5 wispy Lt. grey silicification giving matrix a mottled look	3% Py, tr cPy few thin qtz vn's	130	612.8	.001	
		529-627	1-2% Py cse blebs & along fracts	131	618	.001	
620			½-1% Py few thin qtz stringers	132	623	.001	
			1% diss py & cse blebs	133	628	<.001	
630		Gradational	½-1% Py	134	633	<.001	
		627-660.5 Mafic Intrusive/PE schist? Magnetic. Decrease in sulfide content, shearing and alteration. Core only broken in places. Foliation ∠ 20° to core Axis. Dark grey to black. Softer. Chlor-Amph-plag-qtz.	2% cse Py.	135	638	<.001	
640			1-2% Md-cse Py.	136	643	<.001	
			½% Py	137	648	<.001	
650			½-1% Py	138	654	.001	
			½% Py	139	660	.001	
660		SZ					
	Massive Intrusive?	660.5-676 - Int-Intrusive? Massive md grey Chlor-qtz, amph, plag (magnetic) Medium grained	1% Py gen. as cse blebs	140	666	.001	
666		Contact broken					
	Foliated	676 - 672.5 PE tuff/sed? Predom Md-Dk grey mod-well foliated chlor amph qtz-Plag. (magnetic). At 668° there is a thin intrusive which appears to cut foliation	1-2% Py stringers + dissem	141	672.5	.001	
670		Contact broken					
	Massive	672.5-676.5 Int. Intrusive? Massive Fn-Md grained. Magnetic. 675.5-676 - V. Fn. grained chill margin?	1% Py blebs & strs.	142	676.5	.001	
		Contact broken					
680		Granodiorite-Lt grey, Md grained qtz-plag chlor slightly altered with wispy patchy Sericitization. MASSIVE, w. several thin qtz stringers.	2-3% V Fn-Md Py	143	681	.001	
			3-4% V Fn-Md Py +tr. MoS2	144	686	<.001	
		676.5-690.5	2-3% Fn-cse Py	145	690.5	.001	
690							
		690.5 - 696.7 Diorite Dacite intrusive? Lt-Md grey green qtz-chlor-plag	2-3% Md-cse Py	146	695.5	.001	
		Sl. magnetic. Mottled Sericitic Appearance					
		Andesite/Flow - Md grey to black Fn grained Magnetic Few thin qtz-cb stringers, Amph-chlor qtz	3% Py Fn to cse.	147	699	.001	
700		696.7-702.9. Amphibolite MASSIVE,	↓				

DRILL HOLE VIP89-1 Sheet 8 of ___

DEPTH	GRAPHIC LOG	DESCRIPTION	MINEROLOGY	Run / recov	Sample #	SAMPLE Footage	Au (opt)	Ag (opt)	Mo
700		Basic dike/Flow (cont.)	3-4% Pyrite md-cse. blebs		196148	702.9			
		contact sharp 30° to core	4% Py. ~ MoS_2 & Cpy.		149	707			
		Granodiorite - Fine grained, Light grey, massive qtz-Feldspar-ser.-chlor. Disseminated MAgnetite blebs. Scattered 1-3 in.	2-3 Py. tr. Cpy.		150	711			
		702.9 Chlorite inclusions,	2-3% diss Py occ. stringers		151	715			
		725' 703.5-705.7 MAfic dike? like above	3% Fn-cse. Pyrite		152	719			
720		707-708 Rubble	4% Fn-cse Py.		153	722.5			Arec, 8-19-89
		717.5-719 Rubble							
Reduced to Ba	725'	Contact shows granodiorite Bx. Frags. 1-3in. in Chlor. Matrix	2-3% Fn-cse Pyrite	1/1	154	727	.001		
		Dacite - Fine grained. Lt. to Md. grey. V. Weak Foliation. Few thin Amphibolite							
730		Zones 1-3 inches, Flows with MAfic	2% Fn-cse Pyrite	C8/R8	155	732	.004		
		725-733' ash? Several qtz stringers hairline Fracture Filling.							
		Granodiorite - Lt.-Md grey, md grained; MAssive, qtz-Kspar-plag. chlor. Appears Shattered w/ Rotated Joints. Several qtz. Stringers	3-4% Fn-cse Pyrite	3.5/3.5	156	737	<.001		
		733-738		1.5/1.5					
		AMphibolite - dk. grey to Black. Fine grained with scattered Small Rhyolite? Frags.	2-3% md. Py tr. MoS_2.						
740		738-745.6' 4-5% of unit. Patchy Silicification in MAtrix. thin Carb.-qtz. Vein at		8/8	157	741	<.001		
		745.4 (2 in) w/ trace galena.	2-3% md-cse, Py. tr. Ga.		158	745.6	<.001		
	Δ Δ Δ Brecc	Granodiorite - Buff to grey. MAssive but brecciated & cemented with qtz carb. Minor galena in qtz-Carb	3-4% Pyrite tr-½% Gan in Cb/qtz.	4.5/4.5	159	750	<.001		
750		745.6-755.1	2-3% Fn. to cse Py.	6/6	160	755.1	.001		
		746-750 Bx Zone, Rock shattered with voids Filled with qtz-carb. Minor Amphibolite mixed in bx. Zone.							
		Amphibolite - dark grey to dk. greenish grey. Fine grained, Weakly Foliated	1% Py md.-cse.	1.5/1.5	161	760	.001		
760		Basalt Flow? to MAssive. Scattered Lt. grey	1-2% md-cse Pyrite	5.5/4					
		"Wispy" Carbonated zones (< ½ inch)		1/1	162	765	.001		
		750-769.5' MAgnetic.	1-2% Fn-md Py Few thin cb/qtz. VNS.	2/2'					
		Amph.-Chlor.-qtz		5.5/4	163	769.5	.001		
770		Granodiorite - Sheared with a Few thin qtz-Veins. Lt green-grey qtz-ser-Fuld Chlor.	1% Py tr-½% MoS_2	3/1.5	164	773	<.001		3250 Mo
		769.5-773'							
		AMphibolite - dark grey to dark greenish grey. Fine grained, MAssive	2-3% Pyrite tr. Cpy + MoS_2		165	778	.001		
780		(Like 750-769.5) Several thin hairline Fractures Filled with	2-3% md-cse Pyrite. Few thin q.v.'s	9.5/9.5	166	783	.001		
		773 to 796.2' Cb.-qtz. Scattered Carbonated zones. MAgnetic.	3-4% Py. cse blebs 785-787	8/8	167	788	.001		
		755.5 - thin ½ in. qtz stringer w/ 5-8% Py, Cpy & MoS_2	3-4% cse Py.		168	797	<.001		
790		783.5-788 - Scattered Lt. green epidote patches	3% Fn-cse Pyrite, Few thin cb/qtz. Strs.	10/10	169	796.2	.002		
		788-790 - Few cse granite Frags.							
		AMphibolite/Diorite Breccia Fine grained MAtrix AMph-qtz. chlor. with 20-50% Felsic & granite Frags. MAssive, Frags. Subangular	3-4% Py. diss. & Strs.		170		.001		
800									

796.2-802

802

DRILL HOLE VIP89-1 Sheet 9 of ___

DEPTH	GRAPHIC LOG	DESCRIPTION	MINEROLOGY	Run / recov	Sample #	SAMPLE Footage	Au (opt)	Ag (opt)
800		Amphibolite Breccia Magnetic			196170	802	.1	
		Chlor-Ser-qtz-Carb. - Basalt Andesite? Sed? Massive Fairly Soft (scratches easier than Amphibolite). Fairly Carbonated in Matrix & contains Numerous hairline Fractures Filled w. Carb. Lt-Md gray green, Magnetic.	3-4% cse Py blebs.	10/10	171	807	.001	
810	Highly Broken		1-2% diss Py		172	812	.001	
		802-816.4	3% Md-cse Py	5.5/5.5	173	816.4	.001	
		816.4-826.1 Amphibolite - dark grey-green-black Weak to Mod Foliation. Magnetic Amphibole-chlor-qtz. Several qtz & qtz-carb stringers 1inch or Less Scattered coarse Pink & White granite Frags.	2-3% md Py	1/1	174	821	.001	
820			4-5% cse Py blebs	6/6	175	826.1	<.001	
		826.1-839.7 GRANODiorite-Fn-md grained Lt grey to buFF Qtz-kspar-Ser. weak MASSIVE but Fractured blocky. Rare thin qtz vns. Not Porphyrytic Slightly Magnetic. Fairly Fresh, Not Altered.	2% Fn-md Py	5.5/5.5	176	830	.001	
830			2% Fn-md Py	2.5/2.5	177	835	<.001	
			2% Fn-md Py	4/4	178	839.7	.001	
840		Amphibolite breccia (Diorite?) Dark grey-black Fn.gr. Matrix with 20-40% coarse Felsic (Rhyolite?), Granite (Pink/white), greyish chert quartz and Amphibolite Frags. Magnetic. MASSIVE Matrix qtz-Amph-chlor. Fairly hard Siliceous groundmass. Scattered hairline Fractures Filled w/ qtz-Cb.	ex disseminations & along Fracts. 3-4% Fn-cse Py tr CPy	5/5	179	845	.001	
			3% Fn-md Py diss. and ex stringers	6.3/6	180	850	.001	
850			3-4% Py stringers + dissem.		181	855	.001	
	Pinky Jungle	839.7-923.2	2% Fn-md Py	10/10	182	860	.001	
860			1-2% Py		183	865.7	.001	
		B-13		10/10				<
			2-3% Py stgs. blebs & diss.		184	870	.005	
870			2-3% Py Stringers & dissem		185	875	.004	
		883.2-885.5 - zone with 3 qtz vns 1-4 inches thick. 1% Py & tr. CPy	Same	10.5/10.5	186	880	.001	
880			Abd thin qtz/cb. Stringers 3% Py + tr Mosz		187	883.2	.001	
		887- Layer of Foliated Amphibolite have a tuffaceous? Appearence	2-3% Py tr cpy.		188	885.5	.001	
			4-5% py dissem, blebs. + Stringers	10/10	189	890	.001	
890			Same		190	895	.001	
			3% Fn-md Pyrite	10/10	191	900	4.68	
900								

DRILL HOLE _____ Sheet 10 of ____

DEPTH	GRAPHIC LOG	DESCRIPTION	MINEROLOGY	Run / recov	Sample #	SAMPLE Footage	Au (opt.)	Ag (opt.)	
900		Diorite? breccia cont.	4% Py fn-cse	10/10	196192	900			
		839.7 - 923.2			192	905	<.005		
			2-3% Py	10/10					
910					193	910	.001		
		908.5 - 6 inch pink grey granodiorite dike containing chert clast.	1-2% Py		194	914	.001		
		911.5-912.5 - Siliceous aphanitic silicification of MAtrix (cherty), Not MAG.	2% Fn-md Py	10/10	195	919	<.001		
		915-916 - Siliceous grey cherty zone							
920		920.8-921.5 - thin granodiorite dike	2% Fn-md Py tr cPy.		196	923.2	.002		
		contAct zone cherty siliceous		3/3					
		923.2 - 950.7	1-2% Fn-md Py	4.5/5	197	927	.001		
		Granodiorite - fn-md grained, Massive, blocky. qtz.- Plag. >chlorite >magnetite	1-2% Fn-md Py.	3/3					
930		weakly MAgnetic but with occ. coarse magnetite blebs. Granular. Relitively unaltered.		4/4	198	931.9	.001		
		932 - 950.3 Slight increase in silicification wispy white patches especially associated with Fractures.	2% V Fn-md Py.	1/1					
940				4/4	199	937	.002		
		945-950.3 - Weak-Mod. Silicification Few thin <2 in. veins w/ minor Pyrite & MAgnetite	1-2% V. Fn. to md Py.	5/5	200	942	.001		
			1-2% V Fn-Fn Py.	2/2	201	945.5	.001		
950			2% V Fn-Md Py		202	950.3	.002		
		MAFic dike? tuff, md green chloritic magnetic weak Foliation, Chlor > ser > qtz. Fine grained.	½% Py	11.5/11					
		950.7 - 955.7 Contact Broken			203	955.7	.001		
		GRAnodiorite - md grey Fine to md grained Like above Few thin <1 inch qtz Stringers	1-2% V Fn-md Py		204	959	.001		
960				6/4					
		955.7 - 963.3	1-2% Py.	8-16	205	963.3	.002		
		Amphibolite - md to cse grained md to dk green, Gabbro? Amph-chlor-Plag. WK-Mod Foliation	1% Py Primarily along Fractures.	7.5/7.5	206	968	.001		
		970-971 - coarse Hornblend xtls. Random orientation							
970		963.3 - 970.2	2% diss Py + along thin Fracts.	2/2	207	973	<.001		
		970.2 - 978.2 975-978.2 thin ± in q-c vns w/ MASSIVE SP, cA, Py & cPy. Asstd. w/ vns & hairline Fracts.	2% Py >sil.	3/2.5	208	975	.001		
		Granodiorite - md grey massive qtz - Kspar plag - >chl. md grained. Few thin hairline qtz vns.	5% SP, cA, Py & cPy. blebs	5/5	209	978.2	.007		
980		Magnetic chlorite schist with tuffaceous look md. green Fn grained, Mod Fol. 981-981.5 brecciated w/ Carb fn Filling & qtz clasts.	3-4% V Fn to blebs & Py.		210	982.3	.001		
		978.2 - 982.3 Contact @ 70° Contact w/ Strong Fol. blend together		3/3					
		982.3 - 1000.4	1-2% V Fn-Md Py.	3/3	211	987	.001		
	Broken	Granodiorite - md grey, massive, qtz - plag - Kspar > chl. Mod. hairline Fractures with Bleaching along them (Silicification). Generally w/ saccroidal texture. Not much magnetite	1-2% Fn-md Py	3/3					
990				3/3	212	992	.002		
			1-2% F-m Py Min. MoS2 along Fracts.		213	996	<.001		
			same	7/7					
1000					214	1000.4	<.001		

DRILL HOLE VIP89-1 Sheet 11 of ___

DEPTH	GRAPHIC LOG	DESCRIPTION	MINEROLOGY	Run / recov	# Sample	SAMPLE Footage	Au (opt)	Ag (opt)
1000		1000.4-1009 Amphibolite Md-DK green. Md-cse grained Gabbro? Amph-Chlor-plag. WK Fol. thin qtz-cb. stringers. Magnetic.	2-3% Md-cse Py	4/4	192214	1000.4		
					192215	1005	.004	
			3% cse Py	5.5/5.5	216	1009	<.001	
1010		Contact sheared w/ Granodiorite Fingering into Amph.						
		1009-1027.7 GRANODiorite - Same as above, thin Fractures w/ silicification, Unit More broken than USUAL with Abundant red FeOx along Fractures (After Py.)	1-2% v Fn Py ~ FeOx	4/3.5	217	1014	<.001	
			1% Py ~ FeOx	10/10	218	1019	<.001	
1020			2% v Fn-md Py tr. MoS2	2/2	219	1024	<.001	
			1-2% v Fn-md Py	5/5	220	1028	<.001	
		Amphibolite - weak-Mod Foliation Amph-Chlor-Chlor (8-10) Magnetic. Md green; thin qtz-carb veins with coarse magnetite.		2.5/1.5				
1030		1027.7-1031.6 Contact sharp 55° Granodiorite - md grey MASSIVE but highly Fractured. qtz-k spar-plag ser. bleaching + minor iron staining along Fractures, Magnetic.	2-3% md-cse Py.	4.5/4	221	1033	<.001	
			1-2% Py ~ Fn Gn? MoS2	2.5/2.5				
				6.5/1	222	1038	<.001	
1040	Extremely Broken Rubbly	1031.6-1049.6	1 mtr Sample 1-2% Py minor Cpy. Asstd w/ q-c. vn.	1.5/0 3.5/1	223	1043	<.001	
			1-2% v Fn-md Py.	3/3	224	1048	.001	
				2.5/2.5				
1050		Amphibolite - basalt Flow - md green. Mod Fol. chlor amph_ Magnetic (1049.6-1053) thin qtz-cb. Stringers	2-3% Py as stringers + ~ diss.	2.5/2.5 3/3	225	1053	<.001	
		granodiorite like above 1053-1055 4-5 in qtz vn 1054.4-1054.9	1-2% Py + ½% Fn. MoS2	1/1	226	1055	<.001	
		Dacite tuff - Fn grained Mod Fol. Md green. qtz-chl-Amph-ser. carb. Streaky Laminated tuffaceous Look. several thin qtz.-cb. stringers. Weakly Magnetic. Magnetite especially asstd. with qtz. veins. Scattered carbonated zones (streaky).	2% md Py.	4.5/4.5	227	1060	<.001	
1060			½-1% Py	4.5/4.5	228	1065	<.001	
		1055-1080	1% Fn-md Py	4.5/4.5	229	1070	<.001	
1070			½-1% Fn-md Py	4.5/4.5 2.5/2.5	230	1075	<.001	
			1% Fn-md Pyr	10/10	231	1080	.001	
1080		gradational contact More mafic tuff/flow ANDesite Basalt Amphibolite. Wk-Mod. Fol. md-dk grey green. 1080-1083 unit contains ragged white Rhyolite (hard) Fragments (<½ in.) Frags. cut by thin qtz + Sulfide vns. Several thin hairline qtz-cb. vns. along Fracts. Magnetic. Fairly Carb rich in places.	1-2% Fn-md Py.		232	1085	.001	
			2% Py thin 3in qtz VN 1087.5 2-3% Py	8.5/8.5	233	1090	.001	
1090			thin 1in. qv w/ Pyrite 1091 1-2% md. Py.		234	1095	.001	
			2-3% Md Py esp as stringers x cutting + 11 to Fol.		235	1100	.033	
1100								

DRILL HOLE VIP89-1 Sheet 12 of ___

DEPTH	GRAPHIC LOG	DESCRIPTION	MINEROLOGY	Run / recov	Sample #	SAMPLE Footage	Au (opt)	Ag (opt)	
1100		Amphibolite Fn-md grained (cont.)				1100			
		-1101-1102 thin Granodiorite dike	1-2% Py scattered qtz veins.	10/10					
		-1102-1104.5 - Several qtz. stringers < 1 inch.			196236	1105	.001		
		1107.7-1110 - Granodiorite qtz porphyry dike Fine grained w/ qtz eyes, <1% Py	2-3% Py	4/4					
1110				1.5/1.5	237	1110	.001		
			3% Md-cse Py.	4.5/4.5					
					238	1115	.001		
			3% Md-cse Py.	10/10					
1120					239	1120	.001		
			1% Fn-Md Py						
					240	1125	.001		
		1080 - 1126.9		7/7					
		Contact Sharp 55° to core No chill	1% Py ½% Mos2 along thin Fracts		241	1130	.001		
1130		1126.9-1133.2							
		quartz porphyry - white to Lt. grey. qtz-kspar-plag. Sev ⅛ inch qtz eyes. ½-1% Py MASSIVE.	1-2% Py ½% Mos2	2/2	242	1133.2	.001		
		sharp contact							
		granodiorite/diorite - Lt to Md grey qtz-plag-chlor-magnetite, MASSIVE Medium grained. Mottled appearance caused by Laths of dk green chlorite.	1-2% md Py	10/10	243	1138	.001		
1140			1% Fn-md Py.						
		1133.3 - 1143.3			244	1143.2	.001		
		qtz. Porphyry intrusive - Lt grey to white Fine grained siliceous. qtz-kspar-plag ⅛ inch qtz + spar phenocrysts. MASSIVE. Few thin qtz vns. Minor Mos2 along thin Fractures	1% Fn-md Py +tr Fn. Mos2	5/5	245	1147	.001		
			1% Fn Py +tr-Mos2	2/1	246	1150	.001		
1150									
1160									
1170									
1180									
1190									
1200									

Drill Hole: VIP89-2

Azmuth: S60°W

Angle: -45° at Collar

Collared: August 19, 1989 began drilling Aug. 20th.

Collared by: JRB

Core Size: HQ to 400 Ft., NQ to 598 Ft.

Collar Location: N70°E/128 Ft. From 26 North, Line 7.

Driller: S.D.S Drilling
Sparks, Nevada

Projected Depth: 700 Ft.

DRILL HOLE VIP89-2 Sheet 1 of

DEPTH	GRAPHIC LOG	DESCRIPTION	MINEROLOGY	Run / recov	Sample #	SAMPLE Footage	Au (opt)	Ag (opt)	
		0-10' casing, No Recovery.				10			
10		10-30ft Metagabbro - Coarse grained, massive; md. green, Chlorite-Amphibole-plag. ~ qtz ONly Slightly oxidized. Relatively Fresh. V. weakly Magnetic. Moderately Broken, rubbly.	Nil. V. minor red FeOx along Fracts	3/3	19624?	14	<.001		
			Same	5/4	248	19	.001		
20		at 25'-2inch Lt green qtz-cb zone. hard 60° to core	NiL	2/2	249	24	<.001		
			Few hairline qtz-cb. Stringers w/ minor FeOx	8/8? says 5/2	250	29	<.001		
30		basalt - Fn-md. grained, massive md green, chlor-AMPH.-Plag ~ qtz. Rel. Fresh. Scattered hairline Fractures with qtz-cb.	occ. thin qtz. strs w/ minor FeOx	4/4	251	34	<.001		
		3.5 in. qtz vn, massive at 37.7, carries magnetite	minor FeOx same	4/4	252	39	.001		
		30-38.9 contact 60° to core sharp.							
40		ANDESite tuFF - Md grained, Moderately to strongly foliated. Md green. Chlor.-ser-Amph-qtz, Foliated with thin qtz bands and elliptical Fragments along Foliation. Scattered cross cutting qtz. Stringers. "Shreddy" Pleg. along Fol.	tr. Py ~ FeOx	5/5	253	44	<.001		
		minor Fresh pyrite at contact.	2% FeOx after Py. Assid. w/ thin qtz. vns	5/5	254	49	<.001		
50		38.9-53.4	~ FeOx	4.5/4.5	255	54	<.001		
		Metagabbro - coarse, massive, Fairly Fresh md. green. chlor.-AMPH.-Plag.-qtz	minor FeOx	4.5/4.5 1.5/1.5	256	59	.001		
		53.4-57.5							
60		Fault gouge - strong. minor gougy gabbro but primarily white carb-qtz broken + Fractured (Rubbly). Abundant Coarse Cubic to Prismatic Calcite Filling Voids. Abd. Red FeOx + MnOx. Minor cubic Limonitic Pyrite. Carb zones w/ gabbro Bx. Frags.	reddish Rubbly Carbonate & Carbonated gabbro	2/2 3/3	257	64	.002		
		57.5-68	Sheared oxidized Carb. FeOx	3/2 2/2	258	69	.001		
70	Bx zone	Sheared Punky Gabbro. Cse. grained Soft punky oxidized. Sheared, rubbly. Strong carbonatization + carb Filled Bx zone. Scattered thin qtz vns w/ FeOx After Magnetite noticeable where unit is Less disturbed. Weakly magnetic.	FeOx oxidized (like above)	6/4	259	74	<.001		
			79.4 minor cubic galena xtls FeOx gougy Gabbro w/ CB.	3/3	260	79	.001		
80		74.3 Carb Filled Bx zone, w/cse. Galena	~ FeOx core Loss	6/4	261	84	.001		
		82.5-89. Possible Basalt. Finer grained w/ anhedral shreddy Plag. 1/8-1/4 inch. Less Broken	Nil. Minor FeOx w/ thin qtz vns	2.5 3.5/3.5	262	89	.001		
		CB-89.5							
90		Fault zone w/ qtz ~ cb. veins 1-6inches? broken. veins w/ bx Frags, 1% Fresh Py, 8% Red Limonite in vein AFter Py & Magnetite.	1% Fresh Py tr cpy & MoS2 8% Red Limonite in vn	1.5/1.5 1/1 1.5/1.5	263	94	.014		
		89.5-93.9							
		Amph. Schist - Coarse grained. Foliated (Mod) Shreddy Plag xtls. AMPH Amph-Chlor-Plag-Nqtz,	tr. Py w/ thin qtz veins, thin qtz vn (1 in.) @ 98' w/ 1-2% Py	4/3.5	264	99	.001		
		Coarse tuff? Foliated intrusive							

100

DRILL HOLE VIP89-2 Sheet 2 of ___

DEPTH	GRAPHIC LOG	DESCRIPTION	MINEROLOGY	Run / recov	Sample #	SAMPLE Footage	Au (opt)	Ag (opt)
		Amphibolite Schist — Coarse grained. Mod. to Strong Foliation. shreddy plagioclase along Fol. Very weakly magnetic.	tr. Py asstd. with thin Pyritic band @ 99.5	4/4	196265	104	.001	
			~ FeOX along Fracts,	5/5				
		93.9-112.1 gabbro?		1.5/1.5	266	109	.002	
110		Sharp contact 40° to Core	tr Py ~ FeOx along Fractures.	5/5	267	114	.002	
		P€ Amphibolite Schist - Md grained occ. Fine grained. Mod to wk. Fol. Basalt. Medium to Dark grey green. Magnetic. Scattered thin qtz. Stringers.	Minor FeOx	5/5	268	119	.002	
120			tr Py asstd. w/ thin hairline qtz. Stringers	5/5	269	124	.001	
		114-118 ¼ inch felsic Frags. 15% of matrix	tr Py,	5/5	270	129	.002	
		@ 125' - inch recrystallized chert? 1-2% Py, tr. MoS2						
130		129-129.3 - Patchy epidote w/ irregular qtz. vns, minor Asstd. Pyrite.	tr - ½ % Py.	4/4	271	134	.001	
		@ 138 - 3inch qtz vn. tr Py	nil - tr. Py.	5/5	272	139	.002	
		112.1 - 151	tr Py asstd w/ Fractures	5/5	273	144	.002	
140			tr Py + cPy asstd w/ thin 1 inch vein at 147.8 ft.	5/5	274	149	.002	
		gradational Contact.	tr Py with thin q.vs	5/5	275	154	.002	
		P€ Chlor-ser-AMPh ~ qtz schist, Md green Medium grained. Well Foliated. ANDesite tuff/sed. Magnetic, White Mottled Nature with Sericite, Fol. 50° to core.	~ FeOX	5/5	276	159	.007	
150			NiL ~ FeOx along Fractures	4.5/4.5	277	164	.038	
		162-162.5 Broken qtz Vn Rubble.	tr. Py ~ FeOx	2/2	278	169	.001	
		166-168 - Massive fn grained Flow?	NiL ~ FeOx	3.5/3.5	279	174	<.001	
160		151 — 174.8	tr. Py ~ FeOx.	6.5/5.5	280	179	<.001	
		P€ ser chl qtz schist - dacite tuff Lt - Md green grey (Foliated). Magnetic	Nil - tr. Py ~ Red FeOx	2/2	281	184	<.001	
		174.8 - 178.8 Rhyolite dike (tertiary) Aphanitic white	NiL ~ FeOx	2/2	282	189	<.001	
170		178.8 - 183.4 Qtz - Feldspar (ser.) Massive but Fractured ~ FeOx along Fracts. MnO2 dendrites. Cont II to Fol.	tr. diss py.	2.5/2.5	283	194	<.001	
		P€ Dacite tuff / Sed. (Schist) Ser - biotite - qtz - chl. ~ Magnetic Well Foliated. Mod oxidized. Lt. to Md grey green. Occassional hairline Fractures w/ Limonite Stain. Few thin qtz Stringers. Magnetic.	tr. diss py.	2/2	284	199	<.001	
180		@ 190.5 1 inch qv. barren.		2/1				
190								
200								

DEPTH	GRAPHIC LOG	DRILL HOLE VIP89-2 Sheet 3 of ___ DESCRIPTION	MINEROLOGY	Run/recov	Sample #	SAMPLE Footage	Au (opt)	Ag (opt)
200		PЄ Dacite schist (tuff/sed) Ser. biotite qtz chl ± magnetite. Magnetic. Md to lt grey, Fn-Md grained	tr-½% Py Yellow/green/Red FeOx NiL.	5/5	196285	204	.001	
		183.4 – 228.7	@ broken 3in q.v. Barren	3.5/3.5	196286	209	.001	
210			tr py asstd. with thin Fractures	4/4	287	214	<.001	
			tr-½% Py along hairline Fracts	4/4	288	219	<.001	
220		Coarse Gabbro (Amphibolite) – Md to Dark green/grey. Coarse grained Amph-Plag-chlor-qtz ⅛-¼ inch Subhedral plag xtls. 228.7-223	½-1% Md-Cse Py. diss. & along Fractures	5/5	289	224	<.001	
		PЄ Dacite tuff – Ser-chlor-qtz-biotite. Lt to Md grey/green. Well Foliated. Fn-Md grained. 223-255	½% Py. generally along Fracts & as blebs.	5/5	290	229	<.001	
230			tr. Py.	5/5	291	234	<.001	
		233.8-236 – inleir of Md to Cse Amphibolitic gabbro w/ Cse Feld xtls.	½% Py gen Asstd with thin qtz vns & Fractures	5/5, 1.5/1.5	292	239	<.001	
240	Highly Broken	242.5-244 – Slightly Sheared & Fractured Voids Filled with chlorite Several thin qtz. vns. Oxidized	1% cse Py esp. w/ vns.	2/2, 1.5/1.5, 2/2	293	244	<.001	
			tr-½% Py.	5/5	294	249	<.001	
250			1-2% Py with hairline Fracts. and qtz. strs.	4/4	295	254	<.001	
		Amphibolite Md-Cse grained dk grey massive. Amph Plag chlor qtz. Several hairline qtz. cb. vns. 1-2% Py overall.	1-2% Py gen cse along qtz vns. & along Fracts	5/5	296	259	<.001	
260		255-267.3	1-2% Py asstd w/ vns & Fracts.	5/5	297	264	.001	
			½% Py	5/5	298	269	<.001	
270		267.3-281 PЄ Dacite – chlor. ser-qtz biotite Md green/grey, granular groundmass. Moderate Foliation.	tr-½% Py.	5/5, 3/3	299	274	<.001	
			NiL ~ FeOx along Fracts.	3/3	300	279	<.001	
280	Hi. Broken	Rhyolite dike (tertiary?) Qtz-Feld-Ser, Fine grained, Qtz Phenos, white. Strong FeOx + MnOx, broken Rubbly. 281-284	½% Py. esp. asstd with Rhyolite	5/5, 1.5/1.5	301	284	.001	
		PЄ Dacite. (Like above) 284-291.3	NiL ~ FeOx	1.5/1.5, 1.5/1.5, 1/1 (275-290' Below to N/Q)	302	289	.001	
290	H. Broken	PЄ Basalt? Fn grained chlor-Amph-qtz. Md green. Unit Broken with Several hairline to 3 inch qtz. veins. 291.3-297	qtz veins w/ Red hematite	4/4 (HQ)	303	294	<.001	
		PЄ dacite – Granular. Mod Fol. chlor-qtz-Biotite.	tr. Py. rare Stringers.	5/5	304	299	<.001	
300								

DRILL HOLE _____ Sheet 4 of _____

DEPTH	GRAPHIC LOG	DESCRIPTION	MINEROLOGY	Run / recov	Sample #	SAMPLE Footage	Au (opt)	Ag (opt)	
300		PE Dacite (cont). Mod Foliation, granular chlor-qtz-Biotite. 297-313.5	½-1% Py², mostly as limonite	5/5	196305	304	<.001		
	V-H. Broken	@310 3inch qtz vn in Fault gouge tr. Py.	NiL-tr. Py ~ FeOx	4.5/4.5	306	309	<.001		
310	Fault gouge		NiL. tr Py. in thin 3inch qtz vn. at 310'	3.5/3.5					
		AMPHibolite - Md. grained MG. to Dark green. (Chlor-Amph.) Fairly Oxidized, Weak Foliation. Fractured.		2.5/2.5	307	314	<.001		
	gabbro		NiL	4.5/4.5	308	319	<.001		
320		313.5-325	NiL	5/5	309	324	<.001		
		Diorite PE Dacite Breccia-qtz-chlor. ser Fairly Siliceous with 10-15% qtz Frags. (¼-½ inch), Unit Moderately Oxidized. Massive to wk Foliation.	½% Limonite after Pyrite	4.5/4.5	310	329	<.001		
330		323-345.5 - Rock Highly broken with several earthy, Clayey gouge zones,	½% Py/Limonite	2/2	311	334	<.001		
	Highly Brecciated, Fault		NiL-tr ~ FeOx	2.5/2.5	312	339	.001		
340			NiL-tr Py	3.5/3.5	313	344	<.001		
		325-345.5		3.5/3.5					
		Basalt/Gabbro Alternating Fine & coarse Chlor-Amph-plag-qtz. massive to wk Fol., md. green. Numerous thin hairline Fractures cemented w/ carb/qtz Mod. Oxidized. NoN-mag.	½ diss Pyr Fn-cse	4.5/4.5	314	349	<.001		
350			tr-½% Py Few qtz stringers	5/5	315	354	<.001		
		345.5-359.6	tr Py. several q-c vns & Fracts.	5/5	316	359	<.001		
360		Predominently Fine Basalt chlor, Carb, qtz-Ser Lt to md green. Appears Carbonated. Massive, but with numerous qtz-carb Fracture Filling veins. NoN-Mag.	1-2% Fn-cse Py. tr Galena in thin vn.	5.5/5.5	317	364	<.001		
			1-2% V fn-cse Py.	5/5	318	369	<.001		
370			1-2% Py Stringers & diss. tr. Galena in qtz-cb Vns.	5/5	319	374	<.001		
		359.6-376	2% V fn-md. Py	5/5	320	379	<.001		
380		Gabbro (Coarse) chlor-Amph-plag-qtz contains coarse plag xtls. NON magnetic. Numerous hairline qtz-cb Fract. Filling vns. appears Carbonated. 376-396	1-2% Fn-cse Py. ~MoS2?	5/5	321	384	<.001		
		391-392 - 2inch qtz vn. 10° to core 2% Py 1% Fine MoS2	1% Py	5/5	322	389	<.001		
390		392-396 unit Fine grained, basalt.	½% Py tr. MoS2 in qtz-cb. vn	5/5	323	394	<.001		
		Granodiorite - Lt green-grey. Qtz ser. ~ chlor. Fine to md grained. Massive, but Fractured "wispy" Chlorite loops.	tr. Py		324	399	<.001		
400									

DRILL HOLE VIP89-2 Sheet 5 of ___

DESCRIPTION

396 – 405.5 (400–405.5 on this sheet): Granodiorite cont. Fn-Md.

405 – 418.8: BASAlt – Chlor-Amph-plag-Qtz. md. green. Predominantly Fine grained. Week foliation. Scattered hairline to 4inch qtz. vns. Sample 328 is of a 4inch qtz vn w/ 25% combined galena, pyrite and limonite. Vein is quite vuggy w/ drusy quartz lining. Vein 40° to core.

418.8 – 429: Gabbro – Chlor-Amph-plag-qtz. Coarse grained, MASSIVE. Few thin hairline qtz-cb Fracture Filling veins.

429 – 481: BASAlt. Predominantly Fine to medium grained. Massive green/grey. Chlor-Amph. Plag qtz.

434.5 – 441.3 silicified matrix and with thin qtz. stringers.

(Graphic log: rubble, approx. 445–446)

@ 479 – ½ in qtz vn. w/. 3-4% combined pyrite and galena.

contact Fairly Sharp, Not highly disturbed.

481 – 490.9: Granite – white to Light pink. Feld.-qtz. musc. – chlorite. Massive. Occassionally broken + oxidized. barren.

(Graphic log: broken rubbly, approx. 486–490)

490.9 – 495.6: Gabbro md to cse grained MASSIVE, equigranular. Amph. chlor – Plag. – qtz. barren

495.6 – 508: Granite, Same as above.

Samples

MINEROLOGY	Run / recov	Sample #	SAMPLE Footage	Au (opt)	Ag (opt)
tr. Py.	1.5/1.5, 1/1, .5/.5, .5/.5	196325	404	<.001	
Few hairline qtz vns, tr. Py.	6/6	326	408	<.001	
1% Py overall; (3) ½ inch qvs 1-2% Py		327	410.2	.005	
		328		.276	
thin ½ inch qtz vn w/ 5% Py/limonite at 413.6 feet. 1% Py overall	2.5/2.5, 2/2	329	415	.002	
tr-½% Py.	3.5/3.5, 1/1	330	420	.001	
tr-½% Py.	3.5/3.5, 3.5/3.5	331	425	<.001	
tr-½% Py	3.5/2	332	430	<.001	
½% V Fn-md Py.	7.5/7.5	333	435	<.001	
1-2% Fn-md Py associated with silicification and thin qtz. strs.	4.5/4.5	334	440	.002	
disseminated. 1% V Fn-md Py	5/5	335	445	.001	
1% V Fn-md Py.	3.5/3.5	336	450	<.001	
2% V. Fn. to md Py diss. and with thin q.v.s	5/5, 1.5/1.5	337	455	<.001	
2% V Fn-md Py. Same as above.	3.5/3.5	338	460	<.001	
½% Py.	7.5/7.5	339	465	.001	
1-2% V Fn Py.	5.5/5.5	340	470	.001	
1-2% Fn-cse Py, minor silicification	5.5/5.5	341	475	.001	
1-2% V Fn-md Py	5.5/5.5	342	480	.001	
tr Py. only in the Basalt; granite is barren	3/3	343	485	.001	
Nil.	1/1, 2.5/2.5, 2/2	344	490	.001	
Nil	2/2, 8/8	345	495	<.001	
NiL		346	500	<.001	

Margin note: 410.2 (410.6) → .276

DRILL HOLE VIP89-2 Sheet 6 of ___

DEPTH	GRAPHIC LOG	DESCRIPTION	MINEROLOGY	Run / recov	Sample #	SAMPLE Footage	Au (opt.)	Ag (opt.)	
500		Granite (continued)							
	Rubbly		Nil	2/2	196347		<.001		
				1.5					
				2.5/2.5		505			
		496.6 – 508	Nil	2/1.5			.001		
				2.5/2	348	510			
510		Gabbro - md to cse. grained md green. Chlor.-Amph-Plag.-qtz, MASSIVE	tr. Fn-md Pyrite	5/5	349	515	.026		
		508-518	Nil	5/5	350	520	.001		
520		Granite - Coarse Feld-qtz-musc,-chlor white to lt. pink.	Nil	8/8	351	525	<.001		
			Nil	2.5/2.5	352	530	.007		
530	Rubbly		Nil	1.5/1.5					
				3/2.5	353	535	.003		
		518 – 537							
		537-538.3 Gabbro (SAME)	Nil	2.5/2.5					
540		Granite - Coarse (same)		2.5/2.5	354	540	.002		
			Nil	3/1.5	355	545	.001		
			Nil	4/3					
				2/1.5	356	550	.012		
550			Nil	2.5/2.5					
				2/1.5					
				1/1	357	555	.020		
			Nil	3/3					
				2/2	358	560	.014		
560			Nil	1.5/1.5					
				2/2	359	565	.004		
			Nil	5.5/5.5					
					360	570	.001		
570			Nil	4/2					
				4/4	361	575	.013		
			Nil	6/6	362	580	.001		
580			Nil						
				5/5	363	585	.006		
			Nil	3/3	364	590	.001		
590			Nil	5.5/5.5	365	594	.001		
		598' END of Hole	Nil	1.5/1.5	366	598	<.001		
600									

DEPTH	ELEV.	UNIT	GRAPHIC LOG	DRILL HOLE _____ Sheet ____ of ____ DESCRIPTION	DRILLING Ft.	Run / recov %	BOX	ANALYSES Sample #			

A.F. BUDGE (MINING) LIMITED

To: A.F. BUDGE
R.R. SHORT
D.A. ALLEN
C.A. O'BRIEN
J.W. NORBY

Date: July: 16, 1989

From: J.A. McKENNEY

Subject: Vulture I.P. Drill Test
Weekly Drill Report
July 11-16, 1989

This first drill hole (VIP89-1) is designed to test the north I.P. target located on line #10 at 40-43 north. The top of the target zone is approximately 350 ft. deep. VIP89-1 (S10°E, -45°) is parallel to the I.P. line and roughly perpendicular to the Vulture load and rock foliation. It was collared on July 11 and is currently at 225 ft. The I.P. target is expected at about 550 ft.. A condensed log follows:

0-10 ft.	hole cased, no core
10-48 ft.	Rhyolite sill with minor quartz stringers
48-128 ft.	PreCambrian schist, minor quartz stringers
128-142 ft.	Rhyolite sill with a trace of pyrite
142-165 ft.	PreCambrian schist
165-172 ft.	Rhyolite sill with oxidized hematite on fractures
172-196 ft.	PreCambrian schist
196-	Rhyolite sill with minor oxidized hematite

A.F. BUDGE (MINING) LIMITED

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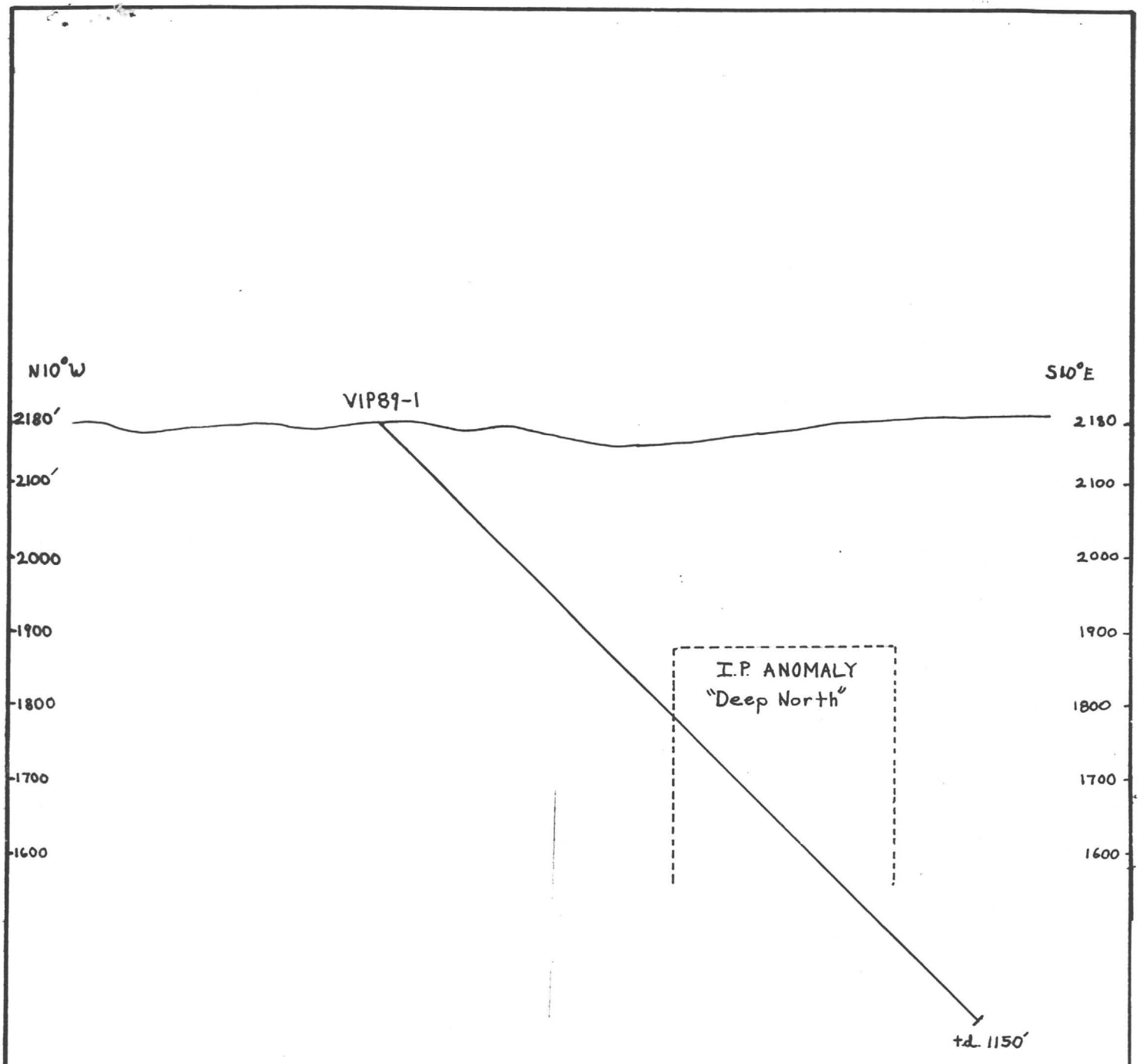
142-165 ft.	PreCambrian schist
165-172 ft.	Rhyolite sill with oxidized hematite on fractures
172-196 ft.	PreCambrian schist
196-	Rhyolite sill with minor oxidized hematite



VULTURE MINE
I.P. ANOMALY TESTS
DRILL HOLE VIP89-1

Scale: 1in=200ft	Date: 7-30-89 3-20-89	BY: Jrb

Figure 1

A.F. Budge (Mining) Ltd.

TO: A F Budge
RR SHORT
D.A. Allen
C.A. O'Brien
J.W. Norby

Date: July 23, 1989

From: J.R. Bosco

Subject: Vulture I.P. DRill test
Weekly Drill Report
July 17-23, 1989

During the week drill hole VIP89-1, designed to tes the "north deep" I.P. anomaly, was advanced From 225 feet to its current position of 418 Fee Of interest is a decite breccia (338 Feet to present) which contains scattered thin quartz veins and evenly distributed Sulfides comprising 1-4 percent Of the rock. It remains to be seen if this unit represents the actual I.P. target, which isn't expected until roughly 550 feet. Core samples have been split and crushed from 10 - 340 feet. Gold analysos are pending. A condensed Log follows:

196-269	Rhyolite dike.
269-338	Decite - weekly Foliated, partially oxidi
338 -	Decite breccia with ~~coar~~ medium to coarse Fragments of granite, Felsite decite and quertz, 1 to 4 ~~percent~~ Sulfides as disseminations, along fractures and with quartz veins.

A.F. Budge (Mining) Ltd.

to: A.F. Budge
R.R. Short
D.A. ALLen
C.A. O'Brien
J.W. Norby

Date: July 30, 1989

From: J.R. Basco
Subject: Vulture I.P. Drill test
Weekly Drill Report
July 23-30, 1989

During the week, drill hole VIP89-1 which is testing the North Deep I.P. anomaly advanced From 418 Feet to 520 Feet. The relative slowing of core output was principally due to highly broken and fractured rock encountered between 405 and 475 Feet. A second shift was added to the drill on 7-30-89.

The hole remains in a "decite breccia" containing scattered thin quartz veins and 1 to 4 percent disseminated sulfides (principally pyrite with minor chalcopyrite and molybdenite?). Assays recieved from samples between the interval 265 to 308 feet show no appreciable gold contents. All results were .005 oz. Au/ton or less with one 4.7 foot sample assaying .025 oz Au/ton. The actual I.P. anomaly is projected to occur between 550-900 Feet.

A summary log follows:

196-269 ft	Rhyolite dike
269-338	Decite, weakly foliated.
338-454	Decite Breccia, massive with Fragments of granite, Rhyolite and quartz; 1-4 percent sulfides as disseminations, along Fractures and with quartz veins.
454-469	Rhyolite dike.
469 - (current 520 ft)	Decite breccia, like above.

A.F. Budge (Mining) Ltd.

To: A.F. Budge
R.R. Short
D.A. ALLEN
C.A. O'Brien
J.W. Norby

Date: 8-13-89

From: J.R. Bosco

Subject: Vulture I.P. Drill Test
Weekly Drill Report
August 6-13, 1989

During the week VIP89-1 resumed mid-day Thursday (8-10-89) following a four day recess. Since that time drilling has advanced From 725 Feet to 902 Feet which is an improvement in daily core output resulting From Casing the hole to 725 feet. The hole remains within the I.P. target zone (550-950' Feet) and rocks continue to bear 1 to 5 percent sulfide (mostly pyrite with minor chalcopyrite, molybdenite and galena). VIP89-1 is planned For 1100 to 1200 feet.

Assay results have been received from 515 to 695 Feet, however, gold contents are all .003 opt or less. Results from 695 to 902 feet are pending. A summary log Follows:

725-733 Ft.	Dacite
733-738 Ft.	Granodiorite - Fine grained, light grey, Massive.
738-796 Ft.	Amphibolite - Dark grey/black, Weakly Foliated.
796-802 Ft	Diorite/Dacite Breccia - Fine grained amphibole-quartz groundmass with 20-50 percent Felsic, granite and quartz Fragments.
802-826 Ft.	Amphibolite
826-839 Ft.	Granodiorite
839-(902 current)	Diorite/Dacite Breccia.

A.F. Budge (Mining) Ltd.

To: A.F. Budge
R.R. Short
D.A. ALLEN
C.A. O'Brien
J.W. Norby

Date: 8-20-89

From: J.R. Bosco
Subject: Vulture I.P. Drill Test
Weekly Drill Report
August 13-20, 1989

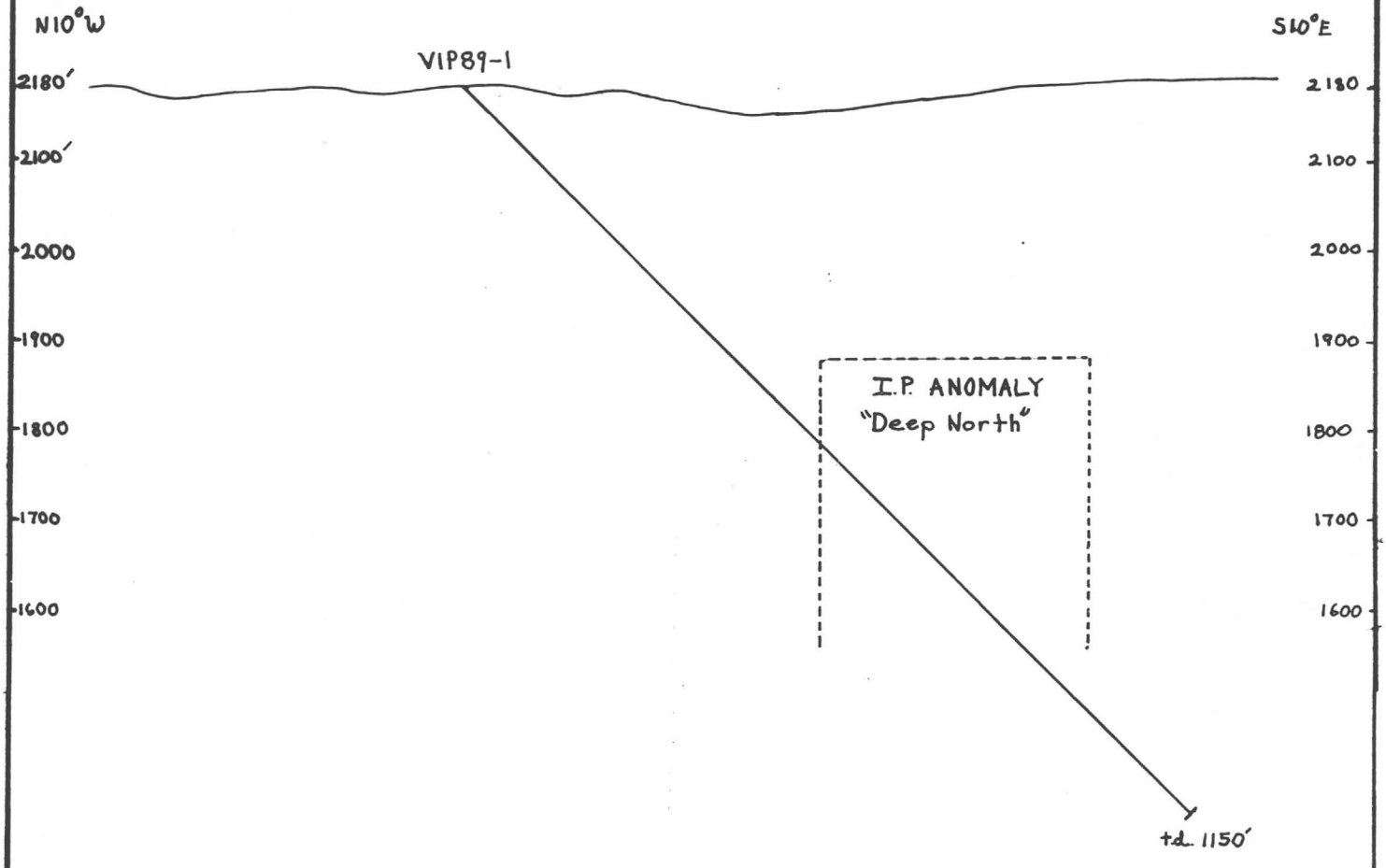
During the week drill hole VIP89-1 which penetrated the North Deep I.P. anomaly (Figure 1) proceeded from 902 feet to completion at 1150 feet. Core samples from this interval are primarily massive granodiorite sills intercalated with amphibolitized basalt, all of which contain one to five percent pyrite and traces of chalcopyrite, molybdenite and galena. The hole was stopped in granodiorite which still contained one to two percent pyrite with minor molybdenite; however, continuation of the hole was not justified since assays from rocks with similar mineralogy and appearance have shown virtually no gold enrichment. Assays have been received from 722 to 865 Feet but results are all .002 opt gold or less. Results from 695 to 722 feet and 865 to 1150 feet are pending. A summary Log of the weeks drilling follows:

902-923 ft.	Dacite/Diorite breccia.
923-1049 ft.	Predominantly granodiorite sills interlayered with amphibolite (basalt).
1049-1080 ft.	Dacite tuff
1080-1126 ft	Amphibolite (basalt).
1126-1150 ft.	Granodiorite.

The second Vulture mine area drill hole, VIP89-2, was collared on 8-19-89 and is currently at 22 feet in coarse metagabbro. The hole is designed to intersect the "middle anomaly" which is located across line 8 at 27-28 north, line 1 at 25-26 North and line 7 at 23-24 North (Figures 2 and 3). The target zone trends N65W

and is interpreted to occur from 50 to 100 ft. of the surface down to roughly 400 feet with near vertical dip (Figure 4). In addition to the I.P. anomaly, VIP89-2 will test a major northwest trending fault, several 4 to 12 inch north trending quartz veins and the altered Vulture stock granite/amphibolitized gabbro contact. VIP89-2 is directed S60°W, -45° and is planned for 700-750 feet.

Recent outcrop mapping/sampling in the VIP89-2 area did not detect the cause of the Middle I.P. anomaly whose surface projection occurs in medium to coarse grained amphibolitized gabbro. The gabbro is moderately to strongly sheared, but little pyrite (I.P. chargeable) or iron oxide (after weathered pyrite) is noteable. Recent results from twenty five 5-10 ft. chip samples collected from sparse outcrops located across the I.P. zone showed little gold enrichment with all samples .003 opt or less. Sixteen grab samples from various north trending quartz veins and from the Vulture stock granite/gabbro contact are all .019 opt gold or less with the exception of two samples from a six inch quartz-carbonate vein (located just east of line 1, 22 North) which assayed .141 and .236 opt gold.



VULTURE MINE
I.P. ANOMALY TESTS
DRILL HOLE VIP89-1

Scale: 1in=200ft	Date: 7-30-89 8-20-89	BY: Jrb

Figure 1

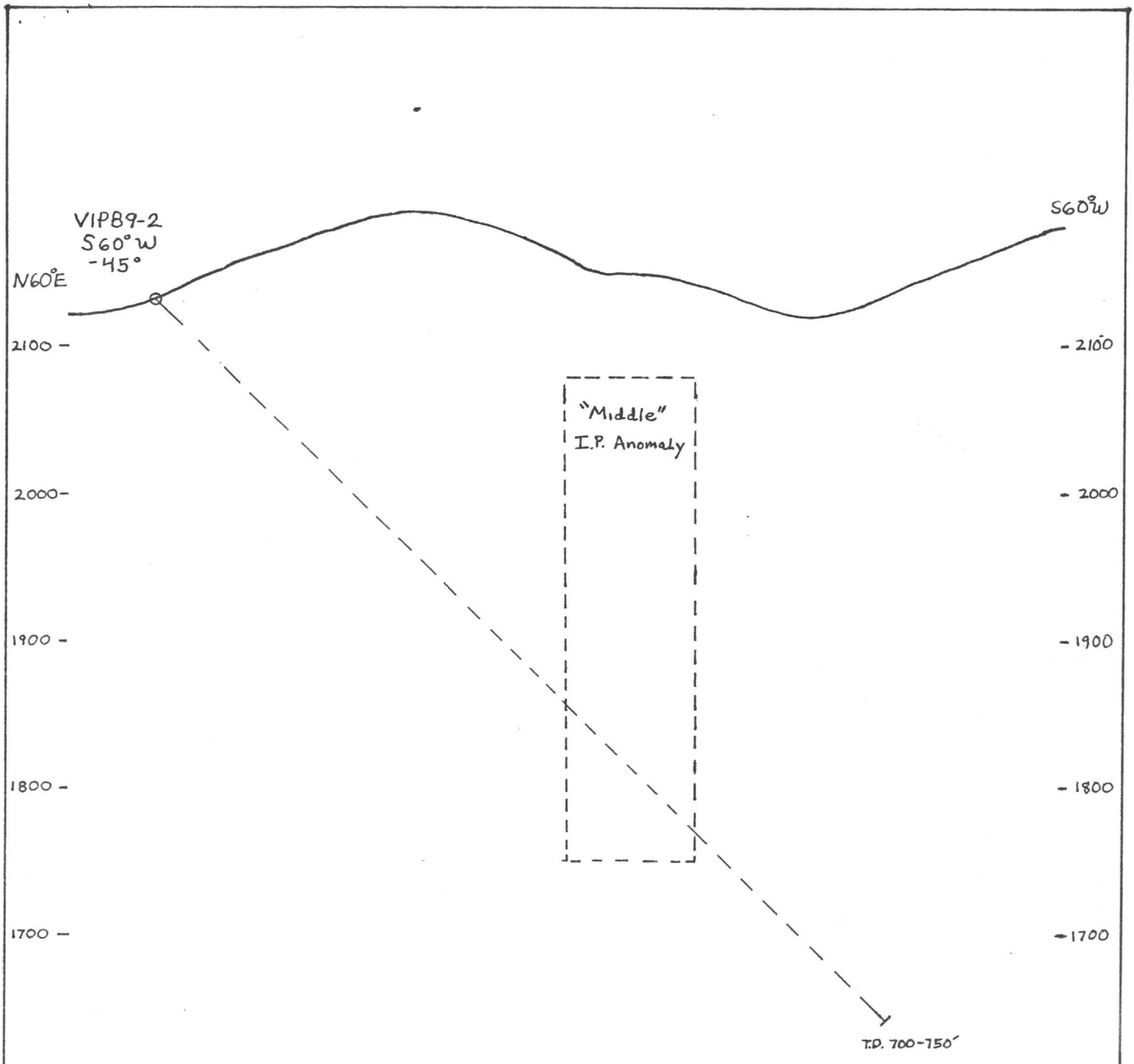
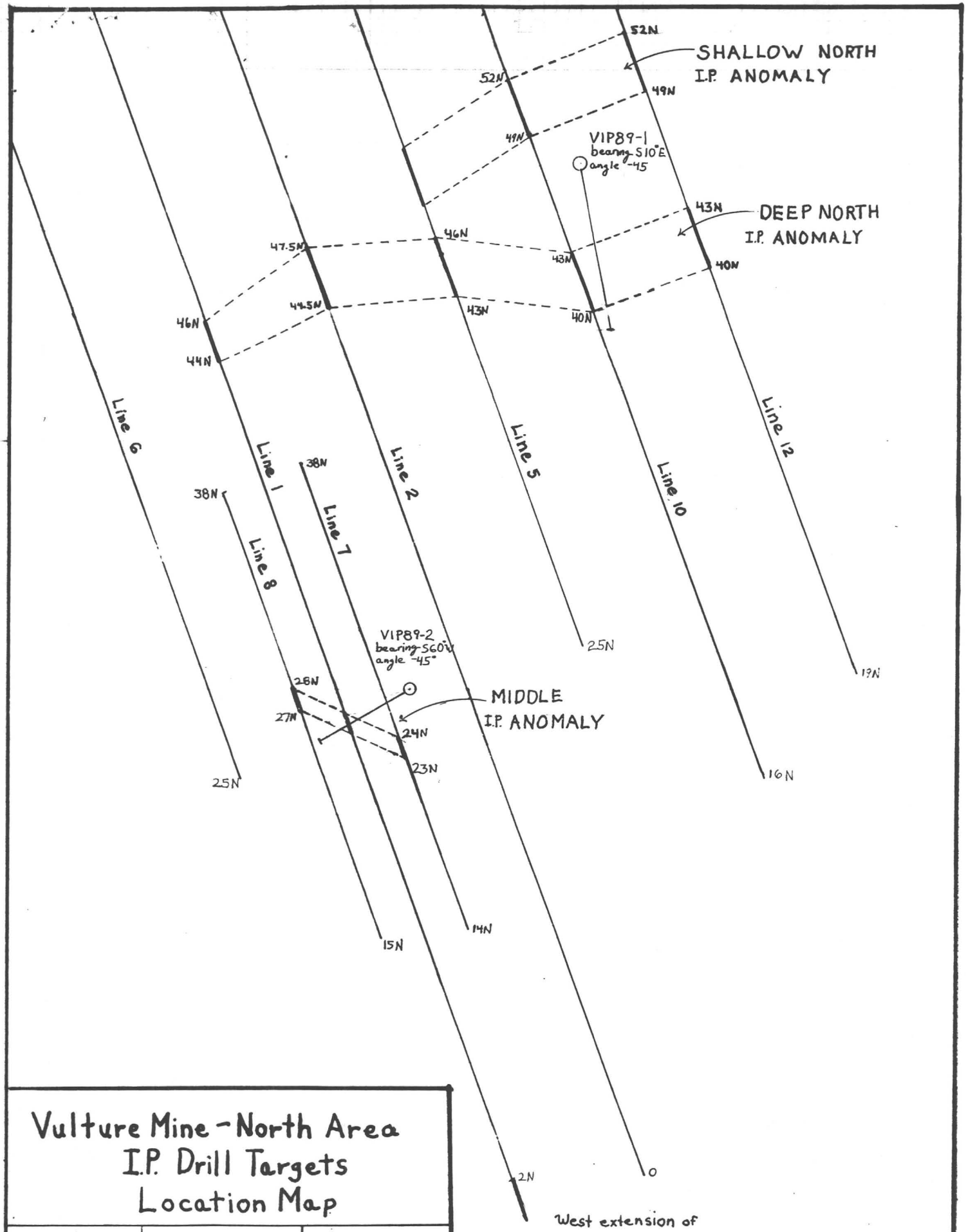


Figure 4

Vulture Mine
I.P. Anomaly Tests
Drill Hole VIP89-2
Crossection Looking S30°E.

Scale: 1in. =100ft.	Date: 8-20-89	by: Jrb



Vulture Mine - North Area
I.P. Drill Targets
Location Map

Scale: 1in = 600ft	Date: 8-20-89	by: Jrb

Figure 2

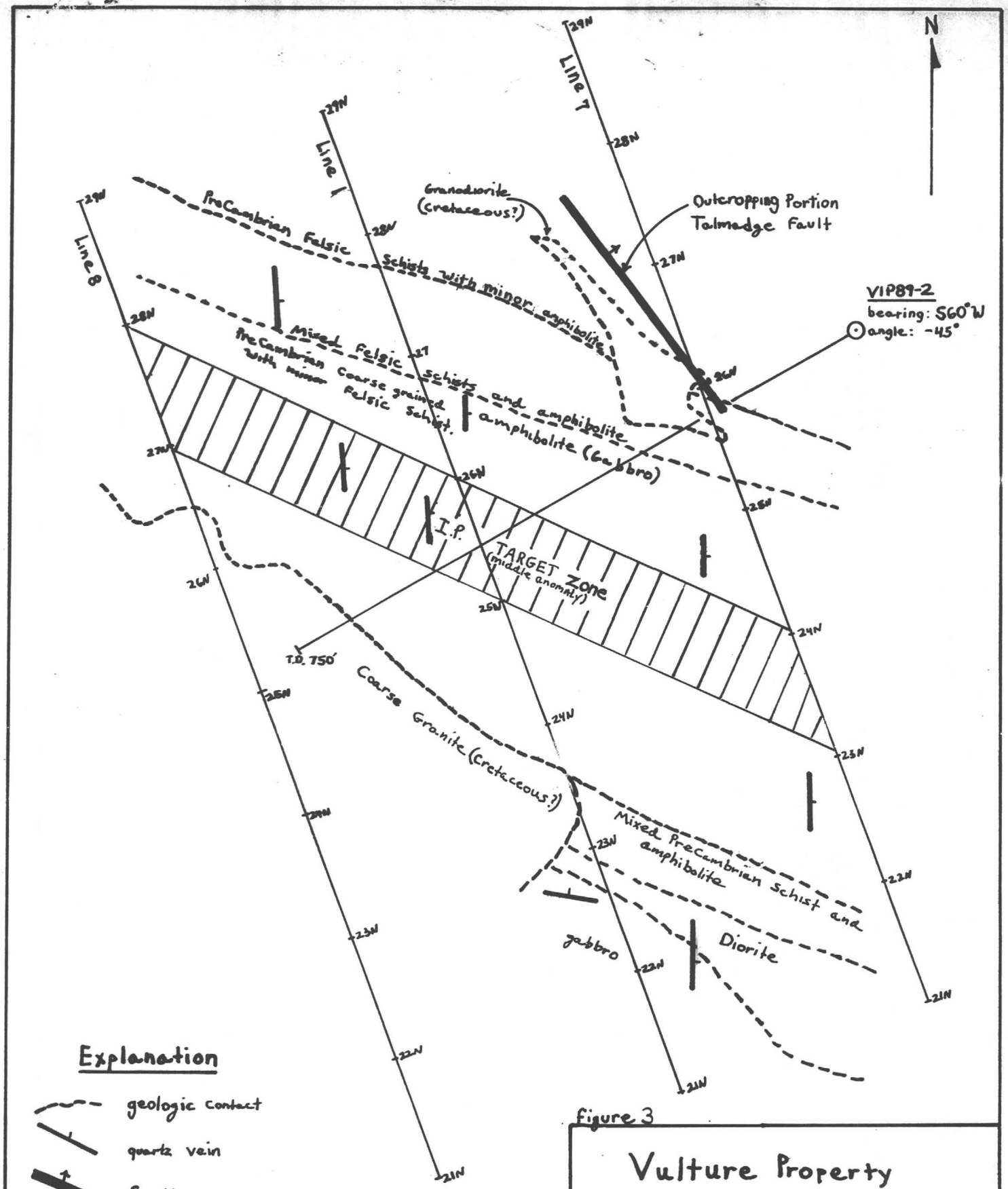


figure 3

Vulture Property

Geologic/ Location MAP of the "Middle" I.P. Anomaly

Scale: 1in=100 Ft.	date: 8-20-89	by: JRB

A.F. Budge (Mining) Ltd.

To: A.F. Budge
R.R. SHORT
D.A. ALLEN
C.A. OBRIEN
J.W. Norby

Date: 9-3-89

From: J.R. Basco
Subject: Vulture I.P. Drill Test
Weekly Drill Report
August 27, 1989 - September 3, 1989

During the week, the second Vulture mine area I.P. drill test hole, VIP89-2, advanced from 98 ft. to 370 ft. The hole is currently in a chlorite-Amphibole Basalt containing numerous hairline fractures cemented with carbonate/quartz. Sulfide contents, primarily pyrite along with rare galena, vary from trace to one percent. The hole is planned for a total depth of 700-750 Ft. Core samples from 10 to 204 feet have been split and crushed and are currently being sent for assay. A summary log follows:

10-30 Ft. Gabbro, coarse grained (amphibolite).
30-53 Ft. Mixed basalt (amphibolite) and andesite tuff.
53-151 Ft. Mixed gabbro and basalt.
57-68 Ft. Fault gouge (talmadge? Fault) Carbonate/quartz cement with gabbro breccia fragments.
68-94 Ft. Rubbly, oxidized gabbro.
151-174 Ft. Andesite tuff.
174-255 ft. Dacite tuff, trace to $\frac{1}{2}$ percent pyrite.
255-326 Ft. Mixed dacite tuff, basalt and gabbro.
326-(370) Ft. Predominantly Basalt mixed with gabbro.
334-370 ft. Rocks moderately carbonated; abundant quartz/carbonate fracture infilling; trace to 1 percent pyrite. Very minor galena.

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All assay results from VIP89-1 have been received. The results indicate little gold presence with all samples assaying .008 opt or less excepting a 4.7 ft sample at 375 ft. grading .025 opt and a 5 ft. sample at 1095 ft. grading .033 opt.

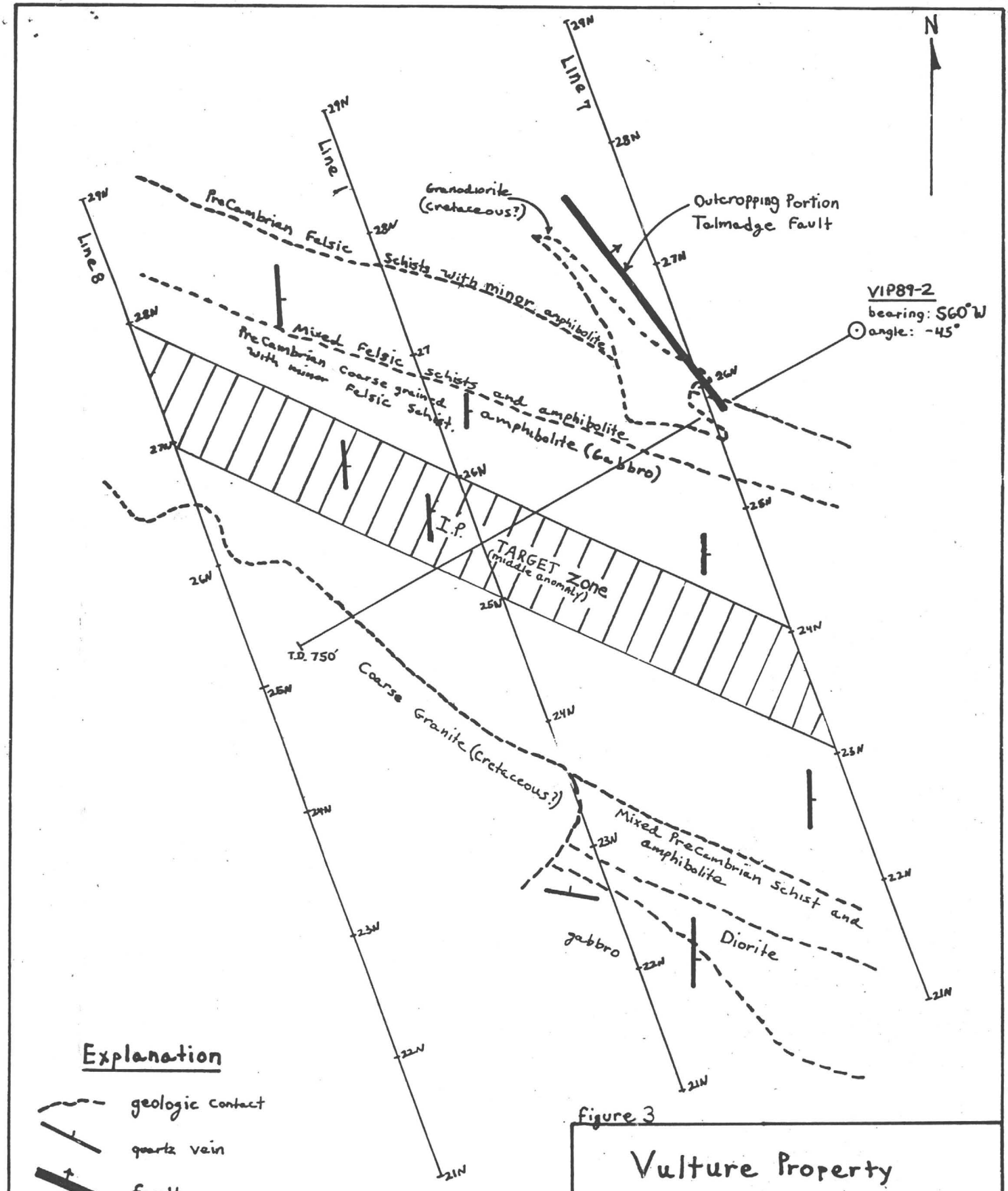

figure 3

Vulture Property

Geologic/ Location MAP of the "Middle" I.P. Anomaly

Scale: 1in=100 Ft.	date: 8-20-89	by: JRB

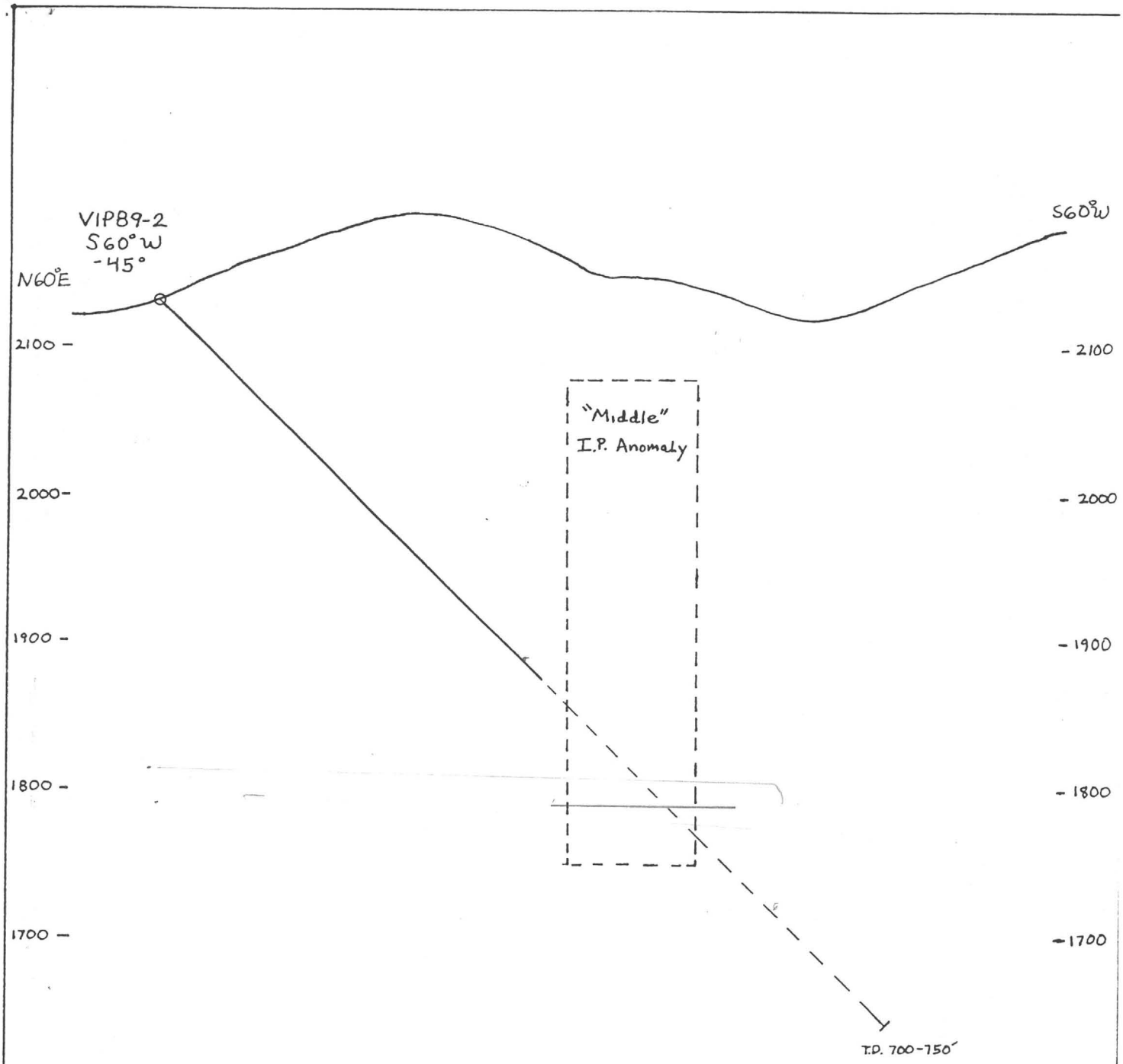

Figure 4

Vulture Mine
I.P. Anomaly Tests
Drill Hole VIP89-2
Crossection Looking S30°E.

Scale: 1 in. = 100 ft.	Date: 8-20-89	by: JRB

Date 9-10-89

To: A.F. Budge
R.R. Short
DA ALLEN
C.A. O'BRIEN
J.W. Norby

From: J.R. Bosco
Subject: Vulture I.P. Drill Test
Weekly Drill Report
September 3, to September 10, 1989

Drill hole VIP89-2 was completed on 9-8-89 at a total depth of 598 feet. The hole was designed to test the middle I.P. anomaly which is a steeply dipping N65°W trending chargeable zone occurring across lines 1, 7 and 8 at a depth of roughly 50 to 400 feet. In addition the hole was situated to test (1) the northwest extension of the Talmadge Fault, (2) several 1 to 6 inch pyrite, galena and chalcopyrite bearing quartz veins seen at the surface and (3) the Cretaceous Vulture stock granite/PreCambrian schist contact (Figure 1).

Examination of the core indicates a zone containing $\frac{1}{2}$ to occassionally 2 percent pyrite (and minor galena) occurring between 359 feet and 394 feet (Figure 2). Sulfides in this interval appear to be associated with carbonatization and pervasive quartz-carbonate stringers which line and cement thin (Less than $\frac{1}{8}$ inch thick) fractures. A second sulphidic zone is located between 430 and 480 feet with $\frac{1}{2}$ to 2 percent pyrite occurring as disseminations and with occassional thin (Less than $\frac{1}{2}$ inch) quartz veinlets. At 410 feet a 4 inch (2.75 inch true thickness) quartz vein was penetrated which contains 25 percent combined galena and pyrite. Previous outcrop samples collected in the area from a 4-6 inch quartz vein with similar mineralogy and appearance have assayed .236 and .141 opt gold.

The "middle" anomaly closely parallels the Vulture granite/PreCambrian schist contact and probably resulted from intrusion of the Vulture granite with associated sulfide emplacement (through fracturing and quartz veining) in the PreCambrian rocks near the granite contact. Samples from 10-204 feet are currently

at the Iron King Laboratory undergoing assay. Samples from 204-598 Feet will be sent to the lab this week.

A summary of the weeks drilling follows:

370-396 ft.	Basalt mixed with gabbro 359-394 ft. Rocks moderately carbonatized. Pervasive thin Fractures cemented with carbonate/quartz. $\frac{1}{2}$-2 percent pyrite, very minor galena.
396-405 ft.	Granodiorite -trace pyrite.
405-481 ft.	Basalt mixed with gabbro. 430-480 ft. $\frac{1}{2}$-2% pyrite as disseminations and with occassional thin (less than $\frac{1}{2}$ inch) quartz stringers.
481-598 ft.	Granite with minor gabbro inliers. Barren.

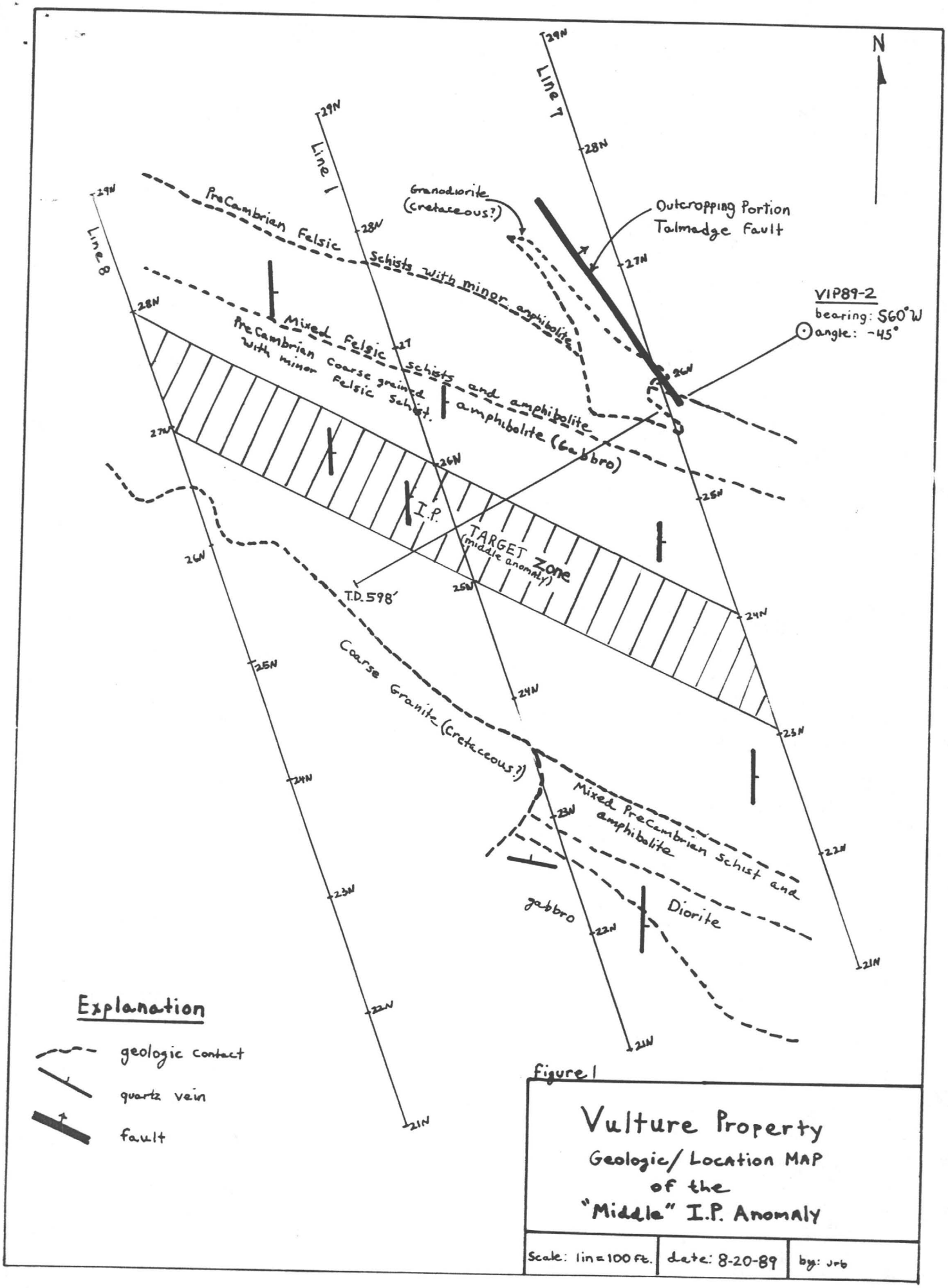

Figure 1

Vulture Property

Geologic/Location MAP of the "Middle" I.P. Anomaly

Scale: 1in=100 Ft.	date: 8-20-89	by: JRB

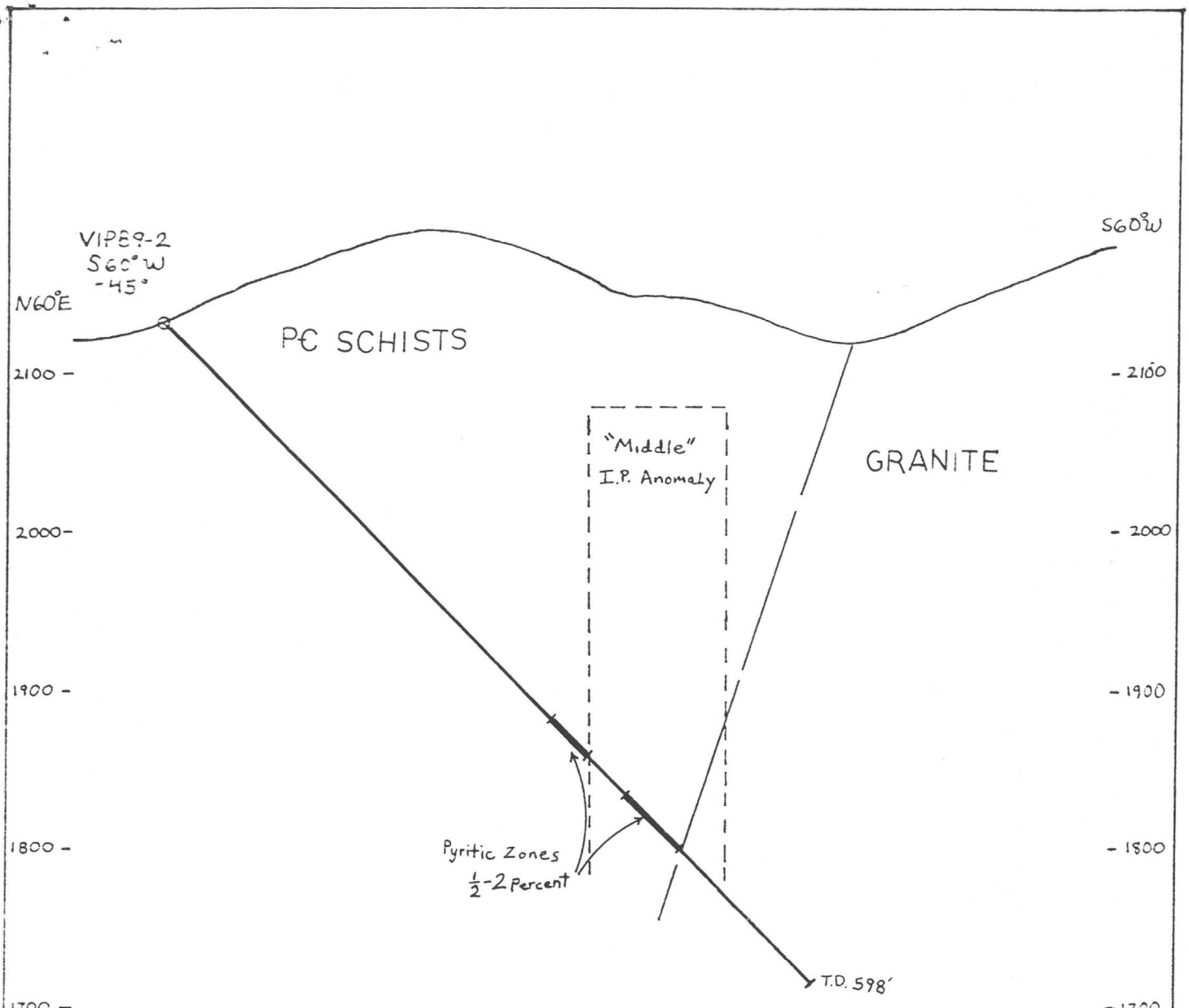

Figure 2

Vulture Mine
I.P. Anomaly Tests
Drill Hole VIP89-2

Cross section looking S 30° E.

Scale 1" = 100 ft.	Date 8-20-89	by crb
	9-10-89	