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DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ.	USA

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-1	HUGHT HARRIS	7911.94 N 6235.61 E	4374.75

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	VERTICAL	290'	8-29-73	8-30-73

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS % CU		REMARKS
8404	5 1/8			0	5	5	.46		
8405				5	10		.41		
8406				10	15		.32		
8407				15	20		.14		
8408				20	25		.22		
8409				25	30		.40		
8410				30	35		.41		
8411				35	40		.72		
8412				40	45		.85		
8413				45	50		.72		
8414				50	55		.86		
8415				55	60		.70		
8416				60	65		.63		
8417				65	70		.54		
8418				70	75		.52	.527	
8419				75	80		.49		
8420				80	85		.62		
8421				85	90		.70		
8422				90	95		.30		
8423				95	100		.63		
8424				100	105		.46		
8425				105	110		.54		
8426				110	115		.66		
8427				115	120		.62		
8428				120	125		.60		
8429				125	130		.73		
8430				130	135		.63		
8431				135	140		.71		
8432				140	145		.64		
8433				145	150		.61		.5676
8434				150	155		.84		
8435				155	160		.68		
8436				160	165		.66		
8437				165	170		.74		
8438				170	175		.70	.628	
8439				175	180		.58		
8440				180	185		.47		
8441				185	190		.50		
8442				190	195		.57		
8443				195	200		.52		
8444				200	205		.64		
8445				205	210		.52		
8446				210	215		.51		
8447				215	220		.48		
8448				220	225		.70		
8449				225	230		.72		
8450				230	235		.60		
8451				235	240		.58		
8452				240	245		.53		
8453				245	250		.49		
8454				250	255		.52		
8455				255	260		.63		
8456				260	265		.64		
8457				265	270		.41		
8458				270	275		.36	.549	
8459				275	280		.57		
8460				280	285		.37		
8461				285	290		.48	.473	

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ.	USA

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-1	HUGH HARRIS	7811.94 N 6235.61 E	4374.75

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	VERTICAL	290'	8-29-73	8-30-73

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS % CU	REMARKS
8404	5 1/8			0	5	5	.46	
8405				5	10		.41	
8406				10	15		.32	
8407				15	20		.14	
8408				20	25		.22	
8409				25	30		.40	
8410				30	35		.41	
8411				35	40		.72	
8412				40	45		.85	
8413				45	50		.72	
8414				50	55		.86	
8415				55	60		.70	
8416				60	65		.63	
8417				65	70		.54	
8418				70	75		.52	
8419				75	80		.49	
8420				80	85		.62	
8421				85	90		.70	
8422				90	95		.30	
8423				95	100		.63	
8424				100	105		.46	
8425				105	110		.54	
8426				110	115		.66	
8427				115	120		.62	
8428				120	125		.60	
8429				125	130		.73	
8430				130	135		.63	
8431				135	140		.71	
8432				140	145		.64	
8433				145	150		.61	.5676
8434				150	155		.84	
8435				155	160		.68	
8436				160	165		.66	
8437				165	170		.74	
8438				170	175		.70	
8439				175	180		.58	
8440				180	185		.47	
8441				185	190		.50	
8442				190	195		.57	
8443				195	200		.52	
8444				200	205		.64	
8445				205	210		.52	
8446				210	215		.51	
8447				215	220		.48	
8448				220	225		.70	
8449				225	230		.72	
8450				230	235		.60	
8451				235	240		.58	
8452				240	245		.53	
8453				245	250		.49	
8454				250	255		.52	
8455				255	260		.63	
8456				260	265		.69	
8457				265	270		.41	
8458				270	275		.36	
8459				275	280		.57	
8460				280	285		.37	
8461				285	290		.48	

PETROLOGIC DESCRIPTION

Spec. No: SPI
Locality:
Occurrence: OC
Field Relns (See C below):

Coll./Exam. by: RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: buff grey

Texture: GRAN, PORPH

Density:

2.

(PRIMARY) Discern.	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine		45-50	major matrix const.
2 K-felds		≤1mm		25	subhed-euh. xls; fresh
3 plag	clay	0.5-3mm		20	weak polysyn. twinning; zoned; subhed. xls ~5% → clays, mostly in fracs. Larger xls v. alt'd up to 20%, esp. at cntr.
4 bt	chlor leucoxene	≤2mm	brown	5	<5 → chlor (due to weath?) tr leucoxene; Most xls undeformed + unalt'd.
5 apatite		v-fine		tr	tiny prisms
	epidote	fine		tr	asso w/ hema-bt clot in fracture
	py	med		tr	forms core of 1 bt pod
	hema			1-2	fills fractures + alt prod. around py affinity to mafic clots

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

5. Evidence on Origin

Phenocryst/Groundmass Ratio = 4:5

6. Field Classification - Name: QUARTZ MONZONITE PORPHYRY

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)
Wkly frac'd

2. Weathering, Alteration, Staining, Surface Features
Gen. fresh; Conspic. absence of sericite
Wk chlor, poss. a weath prod; tr un-cont epid.

3. Mineralization
Tr dism py

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

st.

Sample No.: SP1-447

Hand Sample: Light grey medium grained rock w/sulfides.

Thin section texture: Fine to medium grained, sericite.

Mineralogy	Approximate %
plagioclase	35-40
quartz	30-35
biotite	15
orthoclase	10
chlorite	∠5
apatite	
sericite	
clay minerals	
epidote	
magnetite	1-2
pyrite	

Plagioclase occurs as subhedral crystals of various sizes. Some of the larger grains are zoned. Some grains are fresh while others are partially or almost completely replaced by sericite and clay minerals. Quartz is anhedral and ranges from fine grained to coarse grained. Larger grains show undalose extinction. Biotite has two modes of occurrence. The most abundant type is fine to medium grained pleochroic from straw yellow to brown and occurs in aggregates. The other type is dark red brown large single crystals. Orthoclase is fine to medium grained, unaltered and occurs with quartz. Many grains are finely parthitic. Chlorite is present in large elongated masses and appears to represent replaced hornblende.

Some of the quartz grains are fairly strongly fractured. No vein control of orthoclase or biotite is apparent, although aggregates of biotite could be secondary. Orthoclase shows no replacement relationships.

Rock Name: Granodiorite

Sample No.: SP-1-98

Hand Sample: Light gray, medium grained rock with quartz vein and abundant sulfides (cp, mo).

Thin section texture: Medium grained, hypidiomorphic, granular.

Mineralogy

plagioclase
quartz
biotite
chlorite(?)
calcite
sericite
clay minerals
apatite
sulfide

Subhedral plagioclase crystals are fairly strongly altered to sericite and less abundant clay minerals. Irregular quartz grains are abundant and several small quartz veins cut the rock. Biotite consists mostly of pale yellow-brown aggregates and appears to be recrystallized; fine grained quartz, calcite and sulfides are sometimes intergrown with the biotite. One larger dark brown grain is present but appears to have been partially replaced by the fine grained light colored biotite. Calcite is fairly abundant occuring with the biotite and in many small veinlets. Small amounts of anhydrite may occur in veinlets although the identification couldn't be definitely confirmed.

The rock is fractured and veined. Some of the quartz has sutured contacts and may be partially recrystallized. Most of the original biotite seems to have been replaced by a lighter colored fine grained biotite with calcite and quartz. No orthoclase was recognized.

Rock Name: Probably granodiorite

Collected by J.K. Jones Sept. 6 1973 at approximate surface coordinate location 8150 N., 6170 E. near ddh No. 1, Squaw Peak Property, Yavapai Co., Az. Taken near dump on slope above and ±150 feet north of ddh-1.

Squaw Peak No. 1

Hand Sample: Fine to medium grained light gray aplitic rock.

Thin section texture: Mostly fine grained, porphyritic. Sucrose groundmass.

Mineralogy	Approx. %
Plagioclase	25
Quartz	25-30
Orthoclase	35-40
Chlorite	2
Hematite	
Sericite	
Leucoxene	
Epidote	
Apatite	
Cly minerals	
Magnetite	

Plagioclase occurs as phenocrysts and as finer grained material in the groundmass. Most granis are extensively altered mostly to clay minerals with smaller amounts of sericite. Interiors of grains are commonly more altered than the margins. Fine to medium grained orthoclase and quartz comprise most of the groundmass. Orthoclase is slightly altered to clay minerals but not nearly as strongly as the plagioclase. Chlorite occurs as fairly large elongated masses associated with leucoxene and probably represents replaced biotite or possibly hornblende. Accessory minerals are magnetite, mostly oxidized to hematite, and apatite.

Rock name: Rock is granitic in composition.

Collected by J.K. Jones Sept. 6 1973 at approximate surface coordinate location 815pN., 6170E. near ddh No. 1, Squaw Peak Property, Yavapai Co., Az. Taken near dump on slope above and ±150 feet north of ddh-1

Squaw Peak No. 1

Hand Sample: Fine to medium grained light gray aplitic rock.

Thin section texture: Mostly fine grained, porphyritic. Sucrose groundmass.

Mineralogy	Approx. %
Plagioclase	25
Quartz	25-30
Orthoclase	35-40
Chlorite	2
Hematite	
Sericite	
Leucoxene	
Epidote	
Apatite	
Clay minerals	
Magnetite	

Plagioclase occurs as phenocrysts and as finer grained material in the groundmass. Most granis are extensively altered mostly to clay minerals with smaller amounts of sericite. Interiors of grains are commonly more altered than the margins. Fine to medium grained orthoclase and quartz comprise most of the groundmass. Orthoclase is slightly altered to clay minerals but not nearly as strongly as the plagioclase. Chlorite occurs as fairly large elongated masses associated with leucoxene and probably represents replaced biotite or possibly hornblende. Accessory minerals are magnetite, mostly oxidized to hematite, and apatite.

Rock name: Rock is granitic in composition.

PETROLOGIC DESCRIPTION

Spec. No:
Locality:
Occurrence:
Field Relns (See C below):

Coll./Exam. by: J/RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:
   Color:
   Texture: GRND., APLITIC
   Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine-med.		35	matrix
2 plag	clay, seric.	"		30	phenoxsts, groundmass, 60% perv. alt to clays, ser
3 K-felds		fine		25-30	matrix, w/ qtz + plag; tr clay alt'n
4 ~~bt~~	epidote chlor			2	bt 75% → chlor, epid
5 apatite				tr	tiny prisms
py?	hema			tr	py x/s asso. w/ chlor, alt'd to hematite
	leucoxene			tr	asso. w/ chlorite, mag?
mag?				tr	euh. grains w/ leucoxene

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio = 1:10

5. Evidence on Origin Igneous

6. Field Classification - Name: QUARTZ MONZONITE

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)

2. Weathering, Alteration, Staining, Surface Features
   mafics 75% alt. to chlor, epid
   plag. 60% perv. alt. to clays, some seric.

3. Mineralization
   wk. py, oxidized.

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

stained

Over ☐ Yes ☐ No

Sample No.: SP-1-98

Hand Sample: Light gray, medium grained rock with quartz vein and abundant sulfides (cp, mo).

Thin section texture: Medium grained, hypidiomorphic, granular.

Mineralogy

plagioclase
quartz
biotite
chlorite(?)
calcite
sericite
clay minerals
apatite
sulfide

Subhedral plagioclase crystals are fairly strongly altered to sericite and less abundant clay minerals. Irregular quartz grains are abundant and several small quartz veins cut the rock. Biotite consists mostly of pale yellow-brown aggregates and appears to be recrystallized; fine grained quartz, calcite and sulfides are sometimes intergrown with the biotite. One larger dark brown grain is present but appears to have been partially replaced by the fine grained light colored biotite. Calcite is fairly abundant occuring with the biotite and in many small veinlets. Small amounts of anhydrite may occur in veinlets although the identification couldn't be definitely confirmed.

The rock is fractured and veined. Some of the quartz has sutured contacts and may be partially recrystallized. Most of the original biotite seems to have been replaced by a lighter colored fine grained biotite with calcite and quartz. No orthoclase was recognized.

Rock Name: Probably granodiorite

Sample No.: SP1-447

Hand Sample: Light grey medium grained rock w/sulfides.

Thin section texture: Fine to medium grained, sericite.

Mineralogy	Approximate %
plagioclase	35-40
quartz	30-35
biotite	15
orthoclase	10
chlorite	<5
apatite	
sericite	
clay minerals	
epidote	
magnetite	1-2
pyrite	

Plagioclase occurs as subhedral crystals of various sizes. Some of the larger grains are zoned. Some grains are fresh while others are partially or almost completely replaced by sericite and clay minerals. Quartz is anhedral and ranges from fine grained to coarse grained. Larger grains show undalose extinction. Biotite has two modes of occurrence. The most abundant type is fine to medium grained pleochroic from straw yellow to brown and occurs in aggregates. The other type is dark red brown large single crystals. Orthoclase is fine to medium grained, unaltered and occurs with quartz. Many grains are finely parthitic. Chlorite is present in large elongated masses and appears to represent replaced hornblende.

Some of the quartz grains are fairly strongly fractured. No vein control of orthoclase or biotite is apparent, although aggregates of biotite could be secondary. Orthoclase shows no replacement relationships.

Rock Name: Granodiorite

DIAMOND DRILL LOG

SCALE 1"=20'
STARTED 8-27-73
STOPPED 8-28-73
NOTES BY JKJ 11-28-73

DEPTH 385'
BEARING
INCLINATION Vertical

HOLE No. SP-2 SHEET 1 OF
PROPERTY SQUAW PEAK
COUNTY Yavapai STATE AZ
COLLAR COORD. N. 7761.69 E. 6314.68
COLLAR ELEV. 4310.61

ASSAYS % MO	ASSAYS % CU		% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYRE
								Good FeOx on fractures	Femics ragged. at least in part alt. to chlorite, feldspar in part dully appearing	Medium to coarse grained granodiorite
								10 traces CuOx.		
				20				20 traces sulfides with scattered fragments white quartz.		
								30 fair amt. quartz, traces bornite & CuFeS2.		
				40				40 less quartz than above, MnOx, FeOx continues no obvious sulfides	40 some gray sericitized fragments.	
								50	50 Much clay or sericite	
				60				60 numerous fragments quartz, traces tarnished sulfides		
								70 Expressed quartz, specks MoS2, traces CuFeS2.		
				80				80 weak FeOx, ~~fair~~ MoS2 CuFeS2		
							90' LIMIT OF FeOx	90 Fair CuFeS2, FeS2, MoS2, some quartz.	90 Feldspar soft pale green, femic brown	
				100						
								110 Weak CuFeS2, FeS2, rare MoS2		
				120				120 slightly weaker sulfides, same MoS2		
								130 minor sulfides		
								140		

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-2	HUGH HARRIS	7761.69 N 6314.68 E	4370.61

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	VERTICAL	395 feet	8-27-73	8-28-73

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS %Cu	REMARKS
9252	5 1/8"			0	10	10	.30	0 to 170 all 10 ft samples were crudely split at drill. 1/2 of this partial sample split out for assay.
9253				10	20	10	.29	
9254				20	30	10	.16	
9255				30	40	10	.26	
9256				40	50	10	.24	
9257				50	60	10	.23	
9258				60	70	10	.34	
9259				70	80	10	.48	
9260				80	90	10	.40	
9261				90	100	10	.37	
9262				100	110	10	.25	
9263				110	120	10	.23	0-170 .274
9264				120	130	10	.22	
9265				130	140	10	.17	
9266				140	150	10	.26	
9267				150	160	10	.23	
9268				160	170	10	.24	
								170-180 samples missing
9271				180	185	5	.27	All cuttings saved from 5 ft. samples 1/2 of full sample split out for assay.
9272				185	190	5	.21	
9273				190	195	5	.22	
9274				195	200	5	.22	
9275				200	205	5	.28	
9276				205	210	5	.38	
9277				210	215	5	.23	
9278				215	220	5	.21	
9279				220	225	5	.23	
9280				225	230	5	.29	
9281				230	235	5	.33	assayed by Skyline Lab., Tucson
9282				235	240	5	.35	
9283				240	245	5	.41	At 240' samples become damp.
9284				245	250	5	.36	
9285				250	255	5	.38	assayed by Iron King Assay office, Humboldt, Az.
9286				255	260	5	.41	
9287				260	265	5	.32	
9288				265	270	5	.34	
9289				270	275	5	.35	
9290				275	280	5	.47	At 275' samples become very wet, cyclone not in use so some of sample is lost.
9291				280	285	5	.56	.335
9292				285	290	5	.50	
9293				290	295	5	.32	
9294				295	300	5	.30	
9295				300	305	5	.29	
9296				305	310	5	.24	
9297				310	315	5	.33	
9298				315	320	5	.31	
9299				320	325	5	.08	
9300				325	330	5		
8353				330	335	5	.34	
8354				335	340	5	.38	
8355				340	345	5	.57	
8356				345	350	5	.40	
8357				350	355	5	.30	
8358				355	360	5	.29	
8359				360	365	5	.29	
8360				365	370	5	.29	
8361				370	375	5	.28	
8362				375	380	5	.45	
8363				380	385	5	.43	

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-2	HUGH HARRIS	7761.69 N 6314.68 E	4370.61

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	VERTICAL	395 feet	8-27-73	8-28-73

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS %Cu	ASSAYS	REMARKS
9252	5½"			0	10	10	.30		0 to 170
9253				10	20	10	.29		all 10 ft samples
9254				20	30	10	.16		were crudely
9255				30	40	10	.26		split at drill.
9256				40	50	10	.24		½ of this partial
9257				50	60	10	.23		sample split out
9258				60	70	10	.34	.260	for assay
9259				70	80	10	.48		
9260				80	90	10	.40		
9261				90	100	10	.37		
9262				100	110	10	.25		
9263				110	120	10	.23	170: .214	
9264				120	130	10	.22		
9265				130	140	10	.17		
9266				140	150	10	.26		
9267				150	160	10	.23		
9268				160	170	10	.24	.285	
									170-180 samples missing
9271				180	185	5	.27		All cuttings
9272				195	190	5	.21		saved for
9273				190	195	5	.22		5 ft. samples
9274				195	200	5	.22		½ of full
9275				200	205	5	.28		sample split
9276				205	210	5	.38		out for assay.
9277				210	215	5	.23		
9278				215	220	5	.21		
9279				220	225	5	.23		
9280				225	230	5	.29		assayed by Skyline Lab, Tucson
9281				230	235	5	.33		
9282				235	240	5	.35		
9283				240	245	5	.41		At 240' samples
9284				245	250	5	.36		became damp
9285				250	255	5	.38		assayed by Frank King Assay office, Humboldt, Az.
9286				255	260	5	.41		
9287				260	265	5	.32		
9288				265	270	5	.34	.302	
9289				270	275	5	.35		
9290				275	280	5	.47		At 275' samples
9291				280	285	5	.56	.335	became very wet,
9292				285	290	5	.50		cyclone not
9293				290	295	5	.32		in use so some
9294				295	300	5	.30		of sample is
9295				300	305	5	.29		lost
9296				305	310	5	.24		
9297				310	315	5	.33		
9298				315	320	5	.31		
9299				320	325	5	.08		
9300				325	330	5			
8353				330	335	5	.34		
8354				335	340	5	.38		
8355				340	345	5	.57		
8356				345	350	5	.40		
8357				350	355	5	.30		
8358				355	360	5	.29		
8359				360	365	5	.29		
8360				365	370	5	.29	.363	
8361				370	375	5	.28		
8362				375	380	5	.45		
8363				380	395	5	.43	.387	

PETROLOGIC DESCRIPTION

Spec. No: SP-2
Locality: 7920 N., 6220 E. near DDH 1
Occurrence: outcrop, bottom of gulch
Field Relns (See C below):

py, cp, mb

Coll./Exam. by: JKJ/RRR
Date:
Descr. No:

A. Primary Rock Features

1. Hand Spec. Descr.:

Color: Lt. GRAY

Texture: MED. GRND, GRANITIC

Density:

2.

(PRIMARY) Discern. Minerals	(ALT'N) Minerals	Grain Size	Color	Vol. %	Min'l Descr.-habit, reactions, H, etc.
1 qtz		fine-med.		30	
2 plag	clay, seric.	med-coarse		35-40	unalt. to 85% alt to clays, seric. Ave. 55% alt'd.
3 bt	wk. chlor.	med-coarse		15	Large xls of red-brown unalt. bt, and smaller masses of bt partly alt → chlor along clvg.
4 K-felds				10 ?	~~Mod. altered.~~ Rel fresh w/ res. to plag
5 hornbl.	wk chlor			tr	
epidote	~~X~~	f. g.		tr	small patches asso. w/ bt, chlor
apatite		f. g.		tr	isolated xls
sulfides	X	f. g.		tr	not obviously veined, dism. w/ bt + alt. plag.

3. Arrangement/Orientation of Minerals (Structures - banding, etc.):

4. Descr. of Aphanitic Fraction (groundmass) if applic.:

Phenocryst/Groundmass Ratio =

5. Evidence on Origin Igneous

6. Field Classification - Name: GRANODIORITE (?)

B. Secondary Rock Features

1. Structures (clvg, frac, deformation, etc.)

2. Weathering, Alteration, Staining, Surface Features
Mod. clay-seric. alt'n.

3. Mineralization Dism. sulfides.

C. Remarks (field notes, field relationships, special notes, further work recomm., etc.)

Over ☐ Yes ☐ No

Unstained

Collected by J. K. Jones Sept 6 1973 from surface at approximate coordinate location 7920N., 6220E. near ddh #1, Squaw Peak Mine, Yavapai Co., Az. From bottom of gulch less than 100 feet south of ddh 1

Squaw Peak No. 2

Hand Sample: Medium grained light gray rock with sulfides (pyrite, chalcopyrite and molybdenite).

Thin section texture: Medium grained hypidiomorphic granular.

Mineralogy

Biotite
Quartz
Plagioclase
Epidote
Sericite
Clay minerals
Pyrite
Chalcopyrite
Molybdenite
Chlorite

Plagioclase occurs as fairly large, zoned, subhedral crystals. Alteration to fine grained sericite and clay minerals is patchy. Some crystals show little alteration, others are extensively altered and still others are altered in isolated patches and fresh in other areas. Quartz ranges from fine to medium grained and is later than plagioclase and biotite. Biotite occurs in two different forms. Large crystals of dark red brown biotite are very fresh or only slightly altered to chlorite along cleavages. Masses of fine-grained straw brown biotite are slightly less abundant. The second occurrence is more typical of secondary biotite but the two occur side by side in some areas. Epidote occurs in small patches sometimes associated with chlorite. Neither are very abundant. Sulfides are fine grained and disseminated. No orthoclase was recognized in thin section and the thin section was not stained with sodium cobaltinitrite. Some of the more intensely altered grains may possibly have been orthoclase, however, it cannot be very abundant.

Rock name: Close to granodiorite.

Collected by J. K. Jones Sept 6 1973 from surface at approximate coordinate location 7920N., 6220E. near ddh #1, Squaw Peak Mine, Yavapai Co., Az. From bottom of gulch less than 100 feet south of ddh 1

Squaw Peak No. 2

Hand Sample: Medium grained light gray rock with sulfides (pyrite, chalcopyrite and molybdenite).

Thin section texture: Medium grained hypidiomorphic granular.

Mineralogy

Biotite
Quartz
Plagioclase
Epidote
Sericite
Clay minerals
Pyrite
Chalcopyrite
Molybdenite
Chlorite

Plagioclase occurs as fairly large, zoned, subhedral crystals. Alteration to fine grained sericite and clay minerals is patchy. Some crystals show little alteration, others are extensively altered and still others are altered in isolated patches and fresh in other areas. Quartz ranges from fine to medium grained and is later than plagioclase and biotite. Biotite occurs in two different forms. Large crystals of dark red brown biotite are very fresh or only slightly altered to chlorite along cleavages. Masses of fine-grained straw brown biotite are slightly less abundant. The second occurrence is more typical of secondary biotite but the two occur side by side in some areas. Epidote occurs in small patches sometimes associated with chlorite. Neither are very abundant. Sulfides are fine grained and disseminated. No orthoclase was recognized in thin section and the thin section was not stained with sodium cobaltinitrite. Some of the more intensely altered grains may possibly have been orthoclase, however, it cannot be very abundant.

Rock name: Close to granodiorite.

DRILL HOLE SAMPLES — ROTARY — PAGE 1 OF 1

PROPERTY: SQUAW PEAK | DISTRICT | COUNTY: YAVAPAI | STATE: AZ | COUNTRY

HOLE NO.: SP-3 | CONTRACTOR: HUGH HARRIS | COLLAR COORD.: 7579.44 N 6393.0 E | COLLAR ELEV.: 4339.81

BEARING | INCLINATION: VERTICAL | DEPTH: 205' | STARTED | STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
8462	5½"			0	5	5	.06	
8463				5	10		.06	
8464				10	15		.05	
8465				15	20		.12	
8466				20	25		.09	
8467				25	30		.09	
8468				30	35		.09	
8469				35	40		.09	
8470				40	45		.07	
8471				45	50		.05	
8472				50	55		.08	
8473				55	60		.09	
8474				60	65		.13	
8475				65	70		.07	
8476				70	75		.10	
8477				75	80		.12	
8478				80	85		.08	104
8479				85	90		.09	
8480				90	95		.06	
8481				95	100		.06	
8482				100	105		.05	
8483				105	110		.13	
8484				110	115		.08	
8485				115	120		.07	
8486				120	125		.07	
8487				125	130		.09	
8488				130	135		.07	
8489				135	140		.07	
8490				140	145		.07	
8491				145	150		.06	
8492				150	155		.22	
8493				155	160		.09	
8494				160	165		.08	
8495				165	170		.08	
8496				170	175		.07	225
8497				175	180		.06	
8498				180	185		.07	
8499				185	190		.10	
8500				190	195		.09	
8501				195	200		.08	
8502				200	205'		.09	

264
80
344

41 | 344 (84) 328 — 16

84 / 41 = .08

DRILL HOLE SAMPLES — ROTARY — PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-3	HUGH HARRIS	7579.44 N 6393.0 E	4339.61

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	VERTICAL	205'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS							REMARKS
8462	5⅛"			0	5	5	.06							
8463				5	10		.06							
8464				10	15		.05							
8465				15	20		.12							
8466				20	25		.09							
8467				25	30		.09							
8468				30	35		.09							
8469				35	40		.09	.081						
8470				40	45		.07							
8471				45	50		.05							
8472				50	55		.08							
8473				55	60		.09							
8474				60	65		.13							
8475				65	70		.07							
8476				70	75		.10							
8477				75	80		.12							
8478				80	85		.08							
8479				85	90		.09							
8480				90	95		.06							
8481				95	100		.06							
8482				100	105		.05							
8483				105	110		.13							
8484				110	115		.08							
8485				115	120		.07							
8486				120	125		.07							
8487				125	130		.09							
8488				130	135		.07							
8489				135	140		.07	.082						
8490				140	145		.07							
8491				145	150		.06							
8492				150	155		.22							
8493				155	160		.09							
8494				160	165		.08							
8495				165	170		.08							
8496				170	175		.07							
8497				175	180		.06							
8498				180	185		.07							
8499				185	190		.10							
8500				190	195		.09							
8501				195	200		.08							
8502				200	205		.07	.089						

DIAMOND DRILL LOG

SCALE 1"=20' STARTED ____ STOPPED ____ NOTES BY JKJ

DEPTH ____ BEARING ____ INCLINATION Vertical

HOLE No. SP-4 SHEET 1 OF ____

PROPERTY SQUAW PEAK COUNTY ____ STATE ____

COLLAR COORD. N. 7925.05 E. 6453.98

COLLAR ELEV. 4255.35

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
								Fair FeOx, some sulfides, some quartz	Some feldspar chalky to pale green — not very strongly altered.	Granodiorite
							10' fine cuttings	10' same as above, a few specks Cu Ox.		
								15' weak Fe Ox, fair sulfides — CuFeS2, MoS2		
				20				same		
								some tarnish on sulfides, minor FeOx.		
								minor FeOx, traces Cu Ox, mostly fresh sulfides		
								35'		
				40				40' traces FeOx, some quartz	40' Much feldspar soft green.	
							45' No FeOx below 45' quite weak FeOx from 25' to 45'	essentially fresh sulfides — weak CuFeS2, FeS2, MoS2.		
								50' fair sulfides		
							fine cuttings	some quartz		
				60						
									65± much of feldspar hard	
								weak sulfides, some quartz	75' part of feldspar soft, green	
								90' some quartz, weak CuFeS2, FeS2, MoS2	90' Fair amount soft green feldspar	
								100'		

DRILL HOLE SAMPLES — PAGE 1 OF 1

PROPERTY: SQUAW PEAK | DISTRICT | COUNTY: YAVAPAI | STATE: AZ | COUNTRY

HOLE NO: SP-4 | CONTRACTOR: HUGH HARRIS | COLLAR COORD.: 7925.05 N 6453.98 E | COLLAR ELEV.: 4255.35

BEARING | INCLINATION: VERTICAL | DEPTH: 310' | STARTED | STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	%Cu		ASSAYS				REMARKS
8503				0	5	5	.27						COMPOSITES
8504				5	10		.27						
8505				10	15		.29						
8506				15	20		.23		0	40	40'	.27	
8507				20	25		.25						.24 %Cu
8508				25	30		.40						.007 %Mo
8509				30	35		.25						.0006 oz Au
8510				35	40		.21						.047 oz Ag
8511				40	45		.32						
8512				45	50		.30						
8513				50	55		.29	.276	40	65	25	.31	
8514				55	60		.37						
8515				60	65		.29						
8516				65	70		.47		65	75	10'	.47	
8517				70	75		.46						
8518				75	80		.31						
8519				80	85		.34						
8520				85	90		.36		75	100	25	.34	
8521				90	95		.34						
8522				95	100		.35						
8523				100	105		.40		100	110	10'	.40	
8524				105	110		.40						
8525				110	115		.26						
8526				115	120		.28		110	125	15'	.27	
8527				120	125		.26						.32 %Cu
8528				125	130		.35						.015 %Mo
8529				130	135		.31						.003 oz Au
8530				135	140		.20		125	155	30'	.33	.060 oz Ag
8531				140	145		.35						
8532				145	150		.34						
8533				150	155		.33	.344					
8534				155	160		.26						
8535				160	165		.23		155	165	10'	.25	
8536				165	170		.40						
8537				170	175		.33						
8538				175	180		.34						
8539				180	185		.30						.31 %Cu
8540				185	190		.33		165	220	55'	.34	.012 %Mo
8541				190	195		.38						.005 oz Au
8542				195	200		.35						.060 oz Ag
8543				200	205		.34						
8544				205	210		.37						
8545				210	215		.28						
8546				215	220		.34						
8547				220	225		.41		220	230	10'	.41	
8548				225	230		.40						
8549				230	235		.32						
8550				235	240		.35						.35 %Cu
8551				240	245		.38		230	255	25	.37	.024 %Mo
8552				245	250		.43						.0005 oz Au
8553				250	255		.36	.345					.053 oz Ag
8554				255	260		.65						
8555				260	265		.41		255	265	10	.53	
8556				265	270		.35						
8557				270	275		.39						
8558				275	280		.35						
8559				280	285		.33		265	310	45	.33	
8560				285	290		.29						.34 %Cu
8561				290	295		.45						.016 %Mo
8562				295	300		.31						.0004 oz Au
8563				300	305		.28						.057 oz Ag
8564				305	310		.30						
								.369					
	Average			0	310	310	.34						

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY: SQUAW PEAK | DISTRICT | COUNTY: YAVAPAI | STATE: AZ | COUNTRY

HOLE NO.: SP-4 | CONTRACTOR: HUGH HARRIS | COLLAR COORD.: 7925.05 N 6453.98 E | COLLAR ELEV.: 4225.35

BEARING | INCLINATION: VERTICAL | DEPTH: 310' | STARTED | STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS o/o Cu	REMARKS
8503				0	5	5	.27	
8504				5	10		.27	
8505				10	15		.29	
8506				15	20		.23	
8507				20	25		.25	
8508				25	30		.40	
8509				30	35		.25	
8510				35	40		.21	
8511				40	45		.32	
8512				45	50		.30	
8513				50	55		.29	
8514				55	60		.37	
8515				60	65		.29	
8516				65	70		.47	
8517				70	75		.46	
8518				75	80		.31	
8519				80	85		.34	
8520				85	90		.36	
8521				90	95		.34	
8522				95	100		.35	
8523				100	105		.40	
8524				105	110		.40	
8525				110	115		.26	
8526				115	120		.28	
8527				120	125		.26	
8528				125	130		.35	
8529				130	135		.31	
8530				135	140		.20	
8531				140	145		.35	
8532				145	150		.34	
8533				150	155		33	
8534				155	160		.26	
8535				160	165		.23	
8536				165	170		.40	
8537				170	175		.33	
8538				175	180		.34	
8539				180	185		.30	
8540				185	190		.33	
8541				190	195		.38	
8542				195	200		.35	
8543				200	205		.34	
8544				205	210		.37	
8545				210	215		.28	
8546				215	220		.34	
8547				220	225		.41	
8548				225	230		.40	
8549				230	235		.32	
8550				235	240		.35	
8551				240	245		.38	
8552				245	250		.43	
8553				250	255		.36	
8554				255	260		.65	
8555				260	265		.41	
8556				265	270		.35	
8557				270	275		.34	
8558				275	280		.35	
8559				280	285		.33	
8560				285	290		.29	
8561				290	295		.45	
8562				295	300		.31	
8563				300	305		.28	
8564				305	310		.30	

DRILL HOLE SAMPLES — ROTARY — PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-5	HUGH HARRIS	7828.89 N 6625.75 E	4250.57

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	VERTICAL	200'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS o/o cu	REMARKS
8364	5 1/8"			0	5	5	.09	
8365				5	10		.09	
8366				10	15		.14	
8367				15	20		.07	
8368				20	25		.09	
8369				25	30		.10	
8370				30	35		.10	
8371				35	40		.10	
8372				40	45		.09	
8373				45	50		.05	
8374				50	55		.09	
8375				55	60		.14	
8376				60	65		.09	
8377				65	70		.07	
8378				70	75		.09	
8379				75	80		.12	
8380				80	85		.05	
8381				85	90		.11	
8382				90	95		.18	
8383				95	100		.22	
8384				100	105		.14	
8385				105	110		.13	
8386				110	115		.19	
8387				115	120		.11	
8388				120	125		.50	
8389				125	130		.82	
8390				130	135		.32	
8791				135	140		.58	
8392				140	145		.36	
8393				145	150		.06	
8394				150	155		.27	
8395				155	160		.33	
8396				160	165		.12	
8397				165	170		.07	
8398				170	175		.10	
8399				175	180		.08	
8400				180	185		.07	
8401				185	190		.12	
8402				190	195		.14	
8403				195	200		.13	

DRILL HOLE SAMPLES — ROTARY — PAGE 1 OF 1

PROPERTY: SQUAW PEAK | DISTRICT | COUNTY: YAVAPAI | STATE: AZ | COUNTRY

HOLE NO. SP-5 | CONTRACTOR: HUGH HARRIS | COLLAR COORD.: 7828.89 N 6625.75 E | COLLAR ELEV.: 4250.37

BEARING | INCLINATION: VERTICAL | DEPTH: 200' | STARTED | STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS o/o cu	REMARKS
8364	5 1/8"			0	5	5	.09	
8365				5	10		.09	
8366				10	15		.14	
8367				15	20		.07	
8368				20	25		.09	
8369				25	30		.10	
8370				30	35		.10	
8371				35	40		.10	
8372				40	45		.09	
8373				45	50		.095 — .092	
8374				50	55		.09	
8375				55	60		.14	
8376				60	65		.09	
8377				65	70		.07	
8378				70	75		.09	
8379				75	80		.12	
8380				80	85		.05	
8381				85	90		.11	
8382				90	95		.18	
8383				95	100		.22	
8384				100	105		.14	
8385				105	110		.13	
8386				110	115		.19	
8387				115	120		.11	
8388				120	125		.50	
8389				125	130		.82	
8390				130	135		.32	
8391				135	140		.58	
8392				140	145		.36	
8393				145	150		.06 — .217	
8394				150	155		.27	
8395				155	160		.33	
8396				160	165		.12	
8397				165	170		.07	
8398				170	175		.10	
8399				175	180		.08	
8400				180	185		.07	
8401				185	190		.12	
8402				190	195		.14	
8403				195	200		.13	

DIAMOND DRILL LOG

SCALE 1"=20'
STARTED
STOPPED
NOTES BY JCW 11-28-73, 11-29-73, 11, 30-73

DEPTH 260'
BEARING
INCLINATION

HOLE No. SP-6 SHEET 1 OF
PROPERTY SQUAW PEAK
COUNTY Yavapai STATE Az.
COLLAR COORD. N. E.
COLLAR ELEV.

ASSAYS % MO	ASSAYS % CU		% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYRE
								much quartz, specks sulfides, fair FeOx	Rock fragments pale gray green	Granodiorite?
								weak quartz, fair CuFeS2, FeS2, MoS2		
				20				as above but much quartz		
								abundant quartz		
								weak FeOx, some quartz, good sulfides		
								30 abundant quartz, minor FeOx, some covellite		
								traces FeOx		
				40			40' BOTTOM of FeOx	40 good quartz, strong sulfides, some talmuch		
							coarse	much q'z, good sulfide		
							v. fine	some quartz, fair sulfides		
								55 Fair FeS2, less CuFeS2, minor quartz, sulfides mostly disseminated	55 weaker alteration.	
				60				good CuFeS2 MoS2		
							70 very fine cuttings	70 fair sulfides, some quartz		
							75	good sulfides, some quartz	75 Most feldspar green	
				80				80 fair quartz		
								strong coarse CuFeS2 MoS2 some quartz		
									90 Fair amt. pink K-spar but fimic alt to chlorite some feldspar soft green	
								much quartz, good sulfides		
				100				100		
								105 Some large flakes MoS2 otherwise same as above	125 Feldspar soft gray-green	
								115 same quartz, good fine CuFeS2, MoS2, FeS2		
				120						
									130 similar to above but some K-spar	
				140			140 coarse cuttings			
							145 very fine, prob. mostly cave - or oxidized zone	FeOx, CuOx, sulfides probably cave.	? Cuttings very fine, alteration & rock type questionable	?
								decreasing amounts FeOx, CuOx, good sulfides, some quartz.		
				160			160 coarse cuttings	good sulfides	Some feldspar soft white & gray	
							165 fine cuttings	165 weak sulfides		
								170 fair CuFeS2, MoS2	170 Most feldspar soft	
								175 very weak sulfides, mostly FeS2	175 gray Fair amt. Kspar.	
				180			coarse cuttings		180 Minor Kspar	
							very fine cuttings		?	?
									Feldspar in part hard white, in part soft green	
				200						

DRILL HOLE SAMPLES — ROTARY — PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-6	HUGH HARRIS	7633.74 N 6236.65 E	4357.29

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	VERTICAL	260'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS %CU	REMARKS
8301	5 1/8"			0	5	5	.50	
8302				5	10		.65	
8303				10	15		.87	
8304				15	20		.87	
8305				20	25		.63	
8306				25	30		1.06	
8307				30	35		1.97	
8308				35	40		2.42	
8309				40	45		2.80	
8310				45	50		.96	
8311				50	55		.32	
8312				55	60		.23	
8313				60	65		.19	
8314				65	70		.09	
8315				70	75		.70	
8316				75	80		.70	
8317				80	85		.57	
8318				85	90		.86	
8319				90	95		1.68	
8320				95	100		1.15	
8321				100	105		.86	
8322				105	110		.99	
8323				110	115		.83	
8324				115	120		.78	
8325				120	125		.75	
8326				125	130		.92	
8327				130	135		.77	
8328				135	140		.85	
8329				140	145		.63	
8330				145	150		.80	
8331				150	155		1.57	
8332				155	160		1.48	
8333				160	165		.84	
8334				165	170		.19	
8335				170	175		.14	
8336				175	180		.42	
8337				180	185		.17	
8338				185	190		.27	
8339				190	195		.11	
8340				195	200		.22	
8341				200	205		.18	
8342				205	210		.16	
8343				210	215		.18	
8344				215	220		.27	
8345				220	225		.21	
8346				225	230		.24	
8347				230	235		.21	
8348				235	240		.18	
8349				240	245		.24	
8350				245	250		.29	
8351				250	255		.24	
8352				255	260		.18	
				0	260	260	.68	

0-50' 50' 1.27%Cu

0-165' 165' 0.90%Cu

4.10
17.73
.85
.96
8.25
3.52
35.41

DRILL HOLE SAMPLES — ROTARY — PAGE 1 OF 1

PROPERTY: SQUAW PEAK | DISTRICT | COUNTY: YAVAPAI | STATE: AZ | COUNTRY

HOLE NO.: SP-6 | CONTRACTOR: HUGH HARRIS | COLLAR COORD.: 7633.74 N 6236.65 E | COLLAR ELEV.: 4357.29

BEARING | INCLINATION: VERTICAL | DEPTH: 260' | STARTED | STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS %Cu							REMARKS
8301	5⅛			0	5	5	.50							
8302				5	10		.65			0-25				
8303				10	15		.87				25'	.70		
8304				15	20		.87							0-50'
8305				20	25		.63							50' 1.27%Cu
8306				25	30		1.06			25-35				
8307				30	35		1.97				10'	1.52		
8308				35	40		2.42			35-45				
8309				40	45		2.80				10'	2.61		
8310				45	50		.96			45-50	5'	.96		
8311				50	55		.32	1.186						
8312				55	60		.23							
8313				60	65		.19							
8314				65	70		.09							
8315				70	75		.70							
8316				75	80		.70							
8317				80	85		.57							
8318				85	90		.86							
8319				90	95		1.68							
8320				95	100		1.15							0-165'
8321				100	105		.86							165' 0.901%
8322				105	110		.99							
8323				110	115		.83							
8324				115	120		.78							
8325				120	125		.75							
8326				125	130		.92							
8327				130	135		.77							
8328				135	140		.85							
8329				140	145		.63							
8330				145	150		.80							
8331				150	155		1.57	.796						
8332				155	160		1.48							
8333				160	165		.84							
8334				165	170		.19							
8335				170	175		.14							
8336				175	180		.42							
8337				180	185		.17							
8338				185	190		.27							
8339				190	195		.11							
8340				195	200		.22					.18		
8341				200	205		.18							
8342				205	210		.16							
8343				210	215		.18							
8344				215	220		.27							
8345				220	225		.21							
8346				225	230		.24							
8347				230	235		.21							
8348				235	240		.18					.23		
8349				240	245		.24							
8350				245	250		.29							
8351				250	255		.24	.312						
8352				255	260		.18							

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY: SQUAW PEAK | DISTRICT | COUNTY: YAVAPAI | STATE: AZ | COUNTRY

HOLE NO.: SP-7 | CONTRACTOR: HUGH HARRIS | COLLAR COORD.: 7502.01N 6538.39E | COLLAR ELEV.: 4329.29

BEARING | INCLINATION: VERTICAL | DEPTH: 225' | STARTED | STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS % CU	REMARKS
B565	5 1/8"			0	5	5	.39	
8566				5	10		.07	
8567				10	15		.05	
8568				15	20		.10	
8569				20	25		.05	
8570				25	30		.08	
8571				30	35		.06	
8572				35	40		.04	
8573				40	45		.05	
8574				45	50		.06	
8575				50	55		.04	
8576				55	60		.08	
8577				60	65		.06	
8578				65	70		.05	
8579				70	75		.03	
8580				75	80		.06	
8581				80	85		.04	
8582				85	90		.05	
8583				90	95		.05	
8584				95	100		.04	
8585				100	105		.06	
8586				105	110		.04	
8587				110	115		.04	
8588				115	120		.04	
8589				120	125		.04	
8590				125	130		.04	
8591				130	135		.04	
8592				135	140		.08	
8593				140	145		.04	
8594				145	150		.06	
8595				150	155		.07	
8596				155	160		.04	
8597				160	165		.04	
8598				165	170		.06	
8599				170	175		.06	
8600				175	180		.06	
8601				180	185		.05	
8602				185	190		.05	
8603				190	195		.07	
8604				195	200		.04	
8605				200	205		.06	
8606				205	210		.11	
8607				210	215		.05	
8608				215	220		.08	
8609				220	225		.08	

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-7	HUGH HARRIS	7502 01N 6538.34E	4329.29

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	VERTICAL	225'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS % Cu							REMARKS
8565	5 1/8"			0	5	5	.34							
8566				5	10		.07							
8567				10	15		.05							
8568				15	20		.10							
8569				20	25		.05							
8570				25	30		.08	.12						
8571				30	35		.06							
8572				35	40		.04							
8573				40	45		.05							
8574				45	50		.06							
8575				50	55		.04							
8576				55	60		.08							
8577				60	65		.06							
8578				65	70		.05							
8579				70	75		.03							
8580				75	80		.06							
8581				80	85		.09							
8582				85	90		.05							
8583				90	95		.05							
8584				95	100		.04							
8585				100	105		.06							
8586				105	110		.04							
8587				110	115		.04							
8588				115	120		.04							
8589				120	125		.04							
8590				125	130		.04							
8591				130	135		.04							
8592				135	140		.08							
8593				140	145		.04							
8594				145	150		.06							
8595				150	155		.07							
8596				155	160		.04							
8597				160	165		.04							
8598				165	170		.06							
8599				170	175		.06							
8600				175	180		.06							
✓8601				180	185		.05							
8602				185	190		.05							
8603				190	195		.07							
8604				195	200		.04							
8605				200	205		.06							
8606				205	210		.11							
✓8607				210	215		.05							
8608				215	220		.08							
✓8609				220	225		.08							

220 215 210

68 .06

45 200 220 10

54 27

DIAMOND ~~DRILL~~ LOG HOLE No. SP-8 SHEET 2 OF

SCALE 1"=10' STARTED STOPPED NOTES BY

DEPTH BEARING INCLINATION

PROPERTY COUNTY STATE COLLAR COORD. N. E. COLLAR ELEV.

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYBE
				80			weak FeO_x	Fair py + cp asso w/ qtz. py:cp ≅ 2:3	Slight clay alt of plagioclase. Some biotite is massive + f.g.	Granodiorite (?) med grained, equigran., ~40% qtz, 35% plag, <5% orthoclase, 15% hornbl, 5% biotite, tr sulfides; rel. fresh.
							coarse + medium-sized fragments	Specs of mb, py:cp ≅ 1:1		
				90			(90-95)			
								py:cp ≅ 3:2; sulfides occur w/ biotite & qtz	Tr epidote + Kspar, prob rel. to microfracs, w/ asso. calc.	
				100				py:cp ≅ 2:1; tr mb w/ qtz.	Weak green stain on plag - poss. chlor.	
								py:cp ≅ 1:1; sulfides w/ qtz + biotite on microfracs.		
				110				cp+bn on one qtz vnlt. cp + py asso w/ fracs + vnlts.	Slight chloritic alt'n of some mafics	
								Mnr bn asso w/ cp + qtz vnlts	Wk chlor stn. on plag.	
				120				Py + ep asso w/ microfracs + w/ FeO_x stained fragments. Py:cp ≅ 3:2.	Small epidote stringers w/ envelope of wk clay (montmorillonite) alt'n affecting plagioclase.	
				130				py + ep virt. all fracture controlled.	Tr ser(?), weak clay + epidote rel. to microfracs	
								Fair py + ep on fracs, very minor bn.	Continued weak chloritization of feldspars, No epidote.	
				140				Good sulfides asso w/ qtz; py:cp ≅ 2:3, tr bn.		
								Cp + mb on frac. tr bn.		
				150				cp w/ qtz on micro fracs + dism in wallrock for ≤ 2mm.	Cont'd weak chlor. stn on plag.	
								Fair sulfides	Weak interst. epidote w/ clay alt'n of surrounding plag, on some fragments.	
				160				py:cp ≅ 1:1		
								Good sulfides on microfracs	Wk. chloritic alt'n of mafic min'ls, related to qtz-sulf. vnlts.	
				170				cp-py + tr mb+ bn asso w/ qtz; py:cp ≅ 1:2		
							tr FeO_x			
								py:cp ≅ 2:3	Weak clay alt'n rel. to tr. epidote	
				180						

DIAMOND DRILL LOG

HOLE No. SP-8 SHEET 3 OF

SCALE 1"=10' STARTED STOPPED NOTES BY

DEPTH BEARING INCLINATION

PROPERTY COUNTY STATE COLLAR COORD. N. E. COLLAR ELEV.

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYBE
				180			tr FeO_x	py & cp asso w/ qtz in pervasive vnlts & microfracs - good sulfide content; py:cp ≅ 1:1	Weak chloritic alt. of some plag; also occas. epidote - calcite - clay alt. prob. related to microfractures.	Gd (?)
				190				Fair cp mb w/ qtz	- some interstitial orthoclase in dir. asso. w/ epidote.	
								Tr bn		
							195'-210': smaller coarse fraction.	cp in pods + stringers, always related to microfractures, esp. at intersections	Continued scattered calcite - epid - clay alt'n.	
				200				Fair to good sulfides		
									Tr ser asso w/ qtz-py vnlt.	
								Good mb; All cp+py are asso w/ microfracs, sometimes massive at intersections. Py:cp ≅ 3:2, py+cp mineralization may be separate from mb.		
				210					Abundant calcite	
									Tr sericite w/ qtz-py vnlts.	
				220				Cp found w/ qtz + w/ epid/K alt'n.	Tr orthoclase w/ epidote	
								Good sulfides, usually rel. to qtz	Tr seric. w/ qtz-sulfide vnlts, as envelopes.	
				230				Good mb-cp coating on qtz vn/frac.	Fair sericite	
								Good sulfides rel to qtz-ser vns. py:cp ≅ 1:1	Tr. epidote; weak clay alt'n and fair seric. w/ qtz-sulfide vns.	
				240				Tr mb	Weak chlorite(?) and clay coating on most plag.	
							245'-260': smaller coarse fraction, with more FeO_x	Good sulfides in qtz-ser vnlts + in microfracs	Some orthoclase + mod. calcite asso w/ qtz-ser-cp vnlts. Calcite in microfracs.	Appearance of minor dark fine-grained to aphanitic rock, sometimes w/ cp mineralization (xenolithic). Sometimes porphyritic
				250				py:cp ≅ 2:3		
									Weak chloritization of mafics + plag. Continued weak interst. orthocl + tr. epidote w/ strong calcite in fracs.	
				260				py:cp ≅ 1:2		
								Tr mb w/ cp on qtz vn.		
				270				py:cp ≅ 1:1	Sulfides in asso w/ chlor-epid-calcite alt. - prob. fracture related.	
								Less qtz-sulfide content approx ∝ to qtz.		
				280						

DIAMOND DRILL LOG

HOLE No. SP-8 SHEET 4 OF 4

SCALE _____ STARTED _____ STOPPED _____ NOTES BY _____

DEPTH _____ BEARING _____ INCLINATION _____

PROPERTY _____ COUNTY _____ STATE _____ COLLAR COORD. N. _____ E. _____ COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
			280			wk FeOx	Good sulfides, py:cp ≅ 3:2	Most plag whitish – a few light green Mafics partly chloritized.	Gel(?) - Qm(?)
			290				Good-Fair sulfides, asso. w/ qtz.	Tr sericite	
								Tr epidote	
			300				Fair sulfides, py:cp ≅ 1:1	Most plag pinkish cream; some lt. green.	probably a Qtz Monz.
							Tr mb		
			310				A few qtz-epid.-ser-sulfide vnlts.	Most plag milky white; some interstitial pink (K-feldspar?)	
								315 – plag w/ stronger green tint	Granodiorite(?) to Qtz diorite (?)
			320				Abund. qtz		
							Sulfides occur as microvnlts + frac. fillings.		
			330				Good sulfides	Feldspars mostly lt greenish cream.	
							py+cp as fillings along fracs + in qtz vnlts – also finely dism. in wall rock.	Epidote in some qtz-sulfide vnlts	
			340					Mafics mostly chloritized.	
			350					Feldspars still mostly milky white, w/ occasional green tinge.	50+% qtz.
			360				Fair sulfides py:cp ≅ 1:1.	Some clay alt'n of feldspars.	
			365						

DRILL HOLE SAMPLES

PAGE 1 OF 2

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	ARIZONA	USA

HOLE NO.	CONTRACTOR	COLLAR COORD. APPRX.	COLLAR ELEV. APPRX.
SP-8	HUGH HARRIS	8400 N 6200 E	4455

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	VERTICAL	365 FEET	12-14-73	12-16-73

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS %Cu						REMARKS
8651				0	5		.27						split 12-15-73, assayed by Jacobs
8652				5	10		.29						
8653				10	15		.34		0-40				
8654				15	20		.29		40	.28%			
8655				20	25		.27						
8656				25	30		.24						
8657				30	35		.29						
8658				35	40		.28						
8659				40	45		.35		40-55				
8660				45	50		.37		15'	.36			
8661				50	55		.35	.304					
8662				55	60		.23						
8663				60	65		.23						split 12-16-73, assayed by Iron King Assay Office
8664				65	70		.26						
8665				70	75		.24						
8666				75	80		.23						
8667				80	85		.20						
8668				85	90		.18						
8669				90	95		.25						
8670				95	100		.18						
8671				100	105		.21						
8672				105	110		.31						
8673				110	115		.26		55-170				
8674				115	120		.23		115'	.25			split 12-17-73 assayed by Iron King Assay office
8675				120	125		.18						
8676				125	130		.24						
8677				130	135		.23						
8678				135	140		.20						
8679				140	145		.27						
8680				145	150		.24						
8681				150	155		.28	.233					
8682				155	160		.28						
8683				160	165		.22						
8684				165	170		.51						
8685				170	175		.14		170-185				
8686				175	180		.06		15	.08			
8687				180	185		.04						
8688				185	190		.28						
8689				190	195		.24						
8690				195	200		.20						
8691				200	205		.28						
8692				205	210		.25		185-245				
8693				210	215		.24		60'	.26			
8694				215	220		.26						
8695				220	225		.22						
8696				225	230		.28						
8697				230	235		.29						
8698				235	240		.26						
8699				240	245		.27						
8700				245	250		.40		245-255				
8701				250	255		.36	.254	10'	.38			
8702				255	260		.28						split 12-18-73 assayed by Jacobs
8703				260	265		.25						
8704				265	270		.29		255-290				
8705				270	275		.25		35'	.26			
8706				275	280		.23						
8707				280	285		.26						
8708				285	290		.25						
8709				290	295		.19		290-310				
8710				295	300		.19						
8711				300	305		.17		20'	.19			
8712				305	310		.19						
8713				310	315		.21						
8714				315	320		.29		15'	.26			
8715				320	325		.27						

DRILL HOLE SAMPLES

PAGE 2 OF 2

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY

HOLE NO. SP-8	CONTRACTOR	COLLAR COORD. N E	COLLAR ELEV.
BEARING	INCLINATION	DEPTH	STARTED STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS % Cu							REMARKS
8721				325	330		.35	325-340						34
8709				330	335		.30			25'	.35			5 | 3.4
8710				335	340		.33							3.4
8712				340	345		.24							
8715				345	350		.52							
8717				350	355		.19	.280						21
8722				355	360		.24			15'	.21			3.163
8723				360	365		.20	.220						

0-365 .25% Cu

DIAMOND DRILL LOG

HOLE No. SP-9 SHEET 1 OF 3

SCALE 1"=10' STARTED ____ STOPPED ____ NOTES BY ____

DEPTH ____ BEARING ____ INCLINATION ____

PROPERTY ____ COUNTY ____ STATE ____ COLLAR COORD. N. ____ E. ____ COLLAR ELEV. ____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				0			FeO_x stain pervasive on fracs	Wk-mod FeO_x no sulfides.	Feldspars lt. cream to tan. tr sericite	Granodiorite(?), lt. tan to grey, med. grained, equigranular, ~35% qtz, ~35% plagioclase, <3% orthoclase, ~25% mafics — mostly hornblende at least partially altered to chlor. tr FeO_x, epidote, calcite.
							(5-15)			
				10						
								Weak FeO_x stn; no sulfides or CuO_x	Wk green (chlor?) stn. on some plags.	
				20						
								wk-mod FeO_x		
				30					Some feldspars lt. green; mostly cream. Mafics partly chloritized.	
				40						
								tr sulfides asso. w/ qtz & sericite Good FeO_x		
				50						
									tr gypsum(?) plags. creamy white	
				60					Most mafics → chlorite. ~60' feldspars w/ greenish tint	Qtz mon = (?)
								Mod. FeO_x		
				70				tr. sulfides	Several qtz-seric vns.	
							bottom of oxide zone			
							Wk FeO_x on fracs	fair sulfides; py:cp ≅ 2:1	Abund. chlorite, asso w/ qtz.	
				80				tr CuO_x (mal?)	feldspars still cream to creamy green.	
								Good sulfides — common w/ qtz + sericite.		
				90				py:cp ≅ 2:3	feldspars brown, w/ rust-brown interst. mat'l.	
								Fair sulfides, py:cp ≅ 2:1	Good sericite.	
				100				Tr mb		

DIAMOND DRILL LOG

HOLE No. SP-9 SHEET 2 OF 3

SCALE 1"=10' STARTED ____ STOPPED ____ NOTES BY ____

DEPTH ____ BEARING ____ INCLINATION ____

PROPERTY ____ COUNTY ____ STATE ____ COLLAR COORD. N. ____ E. ____ COLLAR ELEV. ____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				100			wk. local FeOx	V. good sulfides py:cp ≅ 1:2	feldspars tan to lt brown, abund. qtz-sericite in feldspar interstices.	Granodiorite to Qtz diorite
				110				Good sulfides, in vnlts + dism in wall rock		
								py:cp ≅ 1:1	Slight clay alt'n of feldspars. Some feldspars slightly green	
				120				Good sulfides — abundant asso w/ qtz-sericite.		
								py:cp ≅ 2:1	Most feldspars lt. brownish cream. Abund. qtz-sericite	
				130						
								Fair sulfides, py:cp ≅ 1:1		
				140					Most mafics partly chloritized.	
								Fair sulfides w/ qtz + sericite.	Some green feldspar. some calcite	
				150				tr mb.		
									More lt green feldspars.	
				160				Good sulfides, occuring as small vnlts + dism in qtz-sericite rock.		
								py:cp ≅ 2:3	feldspars lt tan + pale green.	
				170						
								Good sulfides, incl. mb, asso w/ qtz vnlts.	Soft green stain — probably chlorite — on most plagioc., poss. some sericite.	
				180						
								py:cp ≅ 1:2		
				190						
								V. good mb; good cp + py.	A few minor q-ser. vnlts w/ interstit. pink mat'l — orthoclase (?)	
				200						

DIAMOND DRILL LOG

HOLE No. SP-9 SHEET 3 OF 3

SCALE 1"=10' STARTED ____ STOPPED ____ NOTES BY ____

DEPTH ____ BEARING ____ INCLINATION ____

PROPERTY ____ COUNTY ____ STATE ____ COLLAR COORD. N. ____ E. ____ COLLAR ELEV. ____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				200			v. wk FeOx	Good sulfides, py: cp ≅ 1:3	Wk. chloritic stn on feldspars.	Gd (?) - Qm
									Some seric. in asso w/ qtz.	
								py:cp ≅ 1:2	Most mafics partially chloritized.	
				210						
								Good sulfides, com. both py+cp in microvnlts + fracs. of < 1mm thick.	Continued qtz-ser vnlts w/ sulfides	more orthoclase
				220						
								py:cp ≅ 1:1	Wk-mod. chloritization(?) of plag.	
								Tr mb.		
				230				good sulfides — cp+ py in asso w/ qtz	Wk chlor. of most mafics, v. little calcite, tr epid.	
								py:cp ≅ 2:3		
								most sulfides rel. to qtz + chlorite — prob. in microvnlts + microfracs.		
				240				cp occurs as v. fine min'liz. on frac + vn walls.	Slightly stronger epidote + chlorite.	
								py:cp ≅ 1:2	Wk. phyllic — qtz ser. vnlts, commonly w/ sulfides.	
								tr mb		
				250						
									Fair chlor + epidote; some small calcite fragments.	
								good sulfides — cp w/ qtz		
								py:cp ≅ 1:2	Good epidote	
				260						
									Fair epidote	
								py:cp ≅ 1:1		
								Continued good sulfides — related to qtz.	Some seric. w/ qtz-sulfide vnlts.	
							more FeOx			
				270						

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAPAVAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-9	HARRIS	N E	

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
VERTICAL		270'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
8724	5 1/8			0	5	5'		
8725				5	10			
8726				10	15			
8727				15	20			
8728				20	25			
8729				25	30			
8730				30	35			
8731				35	40			
8732				40	45			
8733				45	50			
8734				50	55			
8735				55	60			
8736				60	65			
8737				65	70			
8738				70	75			
8739				75	80			
8740				80	85			
8741				85	90			
8742				90	95			
8743				95	100			
8744				100	105			
8745				105	110			
8746				110	115			
8747				115	120			
8748				120	125			
8749				125	130			
8750				130	135			
8751				135	140			
8752				140	145			
8753				145	150			
8754				150	155			
8755				155	160			
8756				160	165			
8757				165	170			
8758				170	175			
8759				175	180			
8760				180	185			
8761				185	190			
8762				190	195			
8763				195	200			
8764				200	205			
8765				205	210			
8766				210	215			
8767				215	220			
8768				220	225			
8769				225	230			
8770				230	235			
8771				235	240			
8772				240	245			
8773				245	250			
8774				250	255			
8775				255	260			
8776				260	265			
8777				265	270			
				END OF HOLE				

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAPAVAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-9	HARRIS	approx. 8400 N 5900 E	approx. 4490 feet

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
VERTICAL		270'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	%Cu							REMARKS
8724	5 1/8			0	5	5'	.37			0 - 15'				40
8725				5	10		.40			15'	.40	%Cu		3|121
8726				10	15		.44							
[illegible]				15	20		.22							
8728				20	25		.24			15 - 35				23
[illegible]				25	30		.20			20'	.24			4|94
[illegible]				30	35		.28							
[illegible]				35	40		.47							49
[illegible]				40	45		.56			35 - 50				3|149
[illegible]				45	50		.46			15'	.50			12 29
[illegible]				50	55		.30							28 2
[illegible]				55	60		.29			50 - 75'				
[illegible]				60	65		.29			25'	.25			25
8737				65	70		.21							5|126
[illegible]				70	75		.17							10 26
8739				75	80		.37							
8740				80	85		.37	.332		75 - 105'				
8741				85	90		.30							34
8742				90	95		.21			30'	.34			6|204
8743				95	100		.32							18 24
[illegible]				100	105		.47							
[illegible]				105	110		.23							
[illegible]				110	115		.24							
[illegible]				115	120		.21							
[illegible]				120	125		.34			105 - 150				25
[illegible]				125	130		.37							
[illegible]				130	135		.24	?		45'	.26			9|231
8751				135	140		.24							18 51
8752				140	145		.19							
8753				145	150		.25							
8754				150	155		.31							
8755				155	160		.34			150 - 175				33
8756				160	165		.30			25'	.33			5|167
8757				165	170		.36							15 17
8758				170	175		.36							
8759				175	180		.51							49
8760				180	185		.52	.316		15'	.49			3|147
8761				185	190		.44							12 27
[illegible]				190	195		.36							
[illegible]				195	200		.37							
[illegible]				200	205		.40			190 - 245				
[illegible]				205	210		.28							
[illegible]				210	215		.31			55'	.33			
[illegible]				215	220		.33							33
8768				220	225		.34							11|364
8769				225	230		.32							33 34
8770				230	235		.28							
8771				235	240		.33							~~[illegible]~~
8772				240	245		.32							
8773				245	250		.28							26
8774				250	255		.22			15'	.26			3|79
8775				255	260		.29							
8776				260	265		.35			260 - 270				5
8777				265	270		.31	.325		10'	.33			121
				END OF HOLE										94
														149
														126
														204
														231
														167
														147
														364
														79
														68
														1748

32
54\|1748
162
128
108
200

174

50
12.70

DIAMOND DRILL LOG

HOLE No. SP-10 SHEET 1 OF 2

SCALE 1"=20' STARTED ____ STOPPED ____ NOTES BY ____

DEPTH ____ BEARING ____ INCLINATION ____

PROPERTY ____ COUNTY ____ STATE ____

COLLAR COORD. N. ____ E. ____

COLLAR ELEV. ____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				0			Fair FeO_x on fracs average amt. of vnd. + coarse sized fragments.	tr sulfides	Appears fresh, except for weathering. Weak clay on feldspars. Calcite generally absent	Granodiorite(?), med grained, equigran, ~35% qtz, ~30% plag, <10% Kspar, ~20% mafics — mostly hrnbl + biotite w/ chloritic alt'n (weathering) <5% FeO_x.
				20				FeO_x + sulfides fracture related. Tr malachite	Weak green (chlorite?) stain on some feldspars.	
								Tr sulfides incl. mb	Mod. chloritization w/ some sericite. tr epidote.	
				40						
								Tr sulfides in FeO_x coatings on qtz. Tr malachite, mb	Silvery-green patches of chlorite, pass. w/ some sericite.	
				60						
								Tr cp + py ; py:cp ≅ 1:1 Tr mb, malach.	Some orthoclase — appears to replace plag. Several barren qtz-seric. vnlts	
				80			bottom of oxide zone (80-85').	Much better sulfide content below oxide zone: v. good cp + mb w/ qtz-ser vnlts. py:cp ≅ 1:3	Abund. qtz-ser vnlts V. wk green stn on most plag — chlor?	85'-90': mostly epidote w/ reddish-brown min'l, ex tr. effervescent (rhodonite?)
				100			wk fracture-controlled FeO_x	Tr sulfides at 85'-90' Fair sulf; py:cp ≅ 1:1 good mb — all assoc w/ qtz	Numerous qtz-ser-py vnlts, commonly w/ cp also. Increase in abund. of green-stained plag.	
								Good sulfides py:cp ≅ 2:3 v. good mb		
				120				tr malach w/ cp, mb, py. Sulfides v. fine in vns and small pod-like masses, also vein-related. py:cp ≅ 1:1 Fair mb	Feldspars pinkish (orthoclase?) adj to qtz-ser vnlts Tr epidote	
				140					wk pink (Kspar) and green color on most feldspars.	
								V. good sulfides — all vn related. py:cp ≅ 2:3 good mb Abund qtz	Epidote stringers carrying cp.	
				160				Good sulfides w/ qtz Fair sulfides	V. wk pink stain — interst. + on plag.	
				180				Tr sulfides py:cp ≅ 1:1	V wk epidote + chlor w/ tr calcite — mostly affect plag.	
								Fair sulfides; good mb. py:cp ≅ 2:3	Tr epidote w/ Kspar replacing plag. Feldspars frosted, w/ green + pink stains	
				200					Few qtz-ser vns since ~160'.	

DIAMOND DRILL LOG

HOLE No. SP-10 SHEET 2 OF 2

SCALE 1"=20' STARTED ____ STOPPED ____ NOTES BY ____ DEPTH ____ BEARING ____ INCLINATION ____ PROPERTY ____ COUNTY ____ STATE ____ COLLAR COORD. N. ____ E. ____ COLLAR ELEV. ____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
							wk FeO_x – fracture controlled	Good sulfides cp-py-mb rel. to qtz py:cp ≅ 1:2 to 1:3 Heavy sulfides – asso w/ perv. qtz-ser-sulf vns carrying cp, py, mb Also in pods w/ chlorite. Cp core in center of vn w/ ser envelope + sulfides dissem in w.r.	Tr epid. Pervasive green + pink tings on plag.	Gd to Qm
				220			220-335' fewer coarse fragments; samples are greenish tan, mostly clay-size.	cp more massive Most cp as vnlts in qtz Fewer sulfides	Strong qtz-related sericite. Tr clay-like green mat'l (montmorill?) Feldspars w/ pervasive green tint (chlorite) to 265' Less sericite	Qtz ppy?
				240				Good sulfides; good mb; py:cp ≅ 2:1	Increase of sericite as massive coatings on qtz; less related to sulfides	
				260				tr mb py:cp ≅ 1:1 Most sulfides occur as vnlts within qtz fragments	Gradual re-appearance of qtz-ser-sulfide vnlets. Fewer green feldspars.	
				280				Cp slightly more massive, increase of qtz-ser-cp fragments. py:cp ≅ 1:2	Continued green feldspars	
				300				Good sulfides — occur in microvnlts. Py mixed w/ cp + minor mb. py:cp ≅ 1:1 Good cp + py + mb py:cp ≅ 2:2	Decreasing green feldspars; more qtz-ser microvenlets.	
				320				V. good sulfides.	More abund. seric.	
				335				Good sulfides, occur as centers of qtz-sericite vns.	Weak green stn. on plag. Pervasive qtz-ser-sulfide vnlts. Tr. epidote	

DRILL HOLE SAMPLES

PAGE 1 OF 2

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-10	HARRIS	N E	

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
VERTICAL		335'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
8778	5⅛			0	5	5'		
8779				5	10			
8780				10	15			
8781				15	20			
8782				20	25			
8783				25	30			
8784				30	35			
8785				35	40			
8786				40	45			
8787				45	50			
8788				50	55			
8789				55	60			
8790				60	65			
8791				65	70			
8792				70	75			
8793				75	80			
8794				80	85			
8795				85	90			
8796				90	95			
8797				95	100			
8798				100	105			
8799				105	110			
8800				110	115			
8801				115	120			
8802				120	125			
8803				125	130			
8804				130	135			
8805				135	140			
8806				140	145			
8807				145	150			
8808				150	155			
8809				155	160			
8810				160	165			
8811				165	170			
8812				170	175			
8813				175	180			
8814				180	185			
8815				185	190			
8816				190	195			
8817				195	200			
8818				200	205			
8819				205	210			
8820				210	215			
8821				215	220			
8822				220	225			
8823				225	230			
8824				230	235			
8825				235	240			
8826				240	245			
8827				245	250			
8828				250	255			
8829				255	260			
8830				260	265			
8831				265	270			
8832				270	275			
8833				275	280			
8834				280	285			
8835				285	290			
8836				290	295			
8837				295	300			
8838				300	305			
8839				305	310			
8840				310	315			
8841				315	320			
8842				320	325			

DRILL HOLE SAMPLES

PAGE 2 OF 2

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		KAPAUAI		

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-10		N E	

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
VERTICAL		335'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
8843				325	330			
8844				330	335			
				END OF HOLE				

DRILL HOLE SAMPLES

PAGE 1 OF 2

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-10	HARRIS	7600 N 6000 E (approx.)	approx. 4455

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
VERTICAL		335'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS							REMARKS
8778	5⅛			0	5	5'	.19							
8779				5	10		.18							
8780				10	15		.17							
8781				15	20		.19							
8782				20	25		.12							16.4
8783				25	30		.14							
8784				30	35		.13			0–75				15 | 246 13 / 96 / 40 / 60
8785				35	40		.12				75'	.16 % Cu		
8786				40	45		.21							
8787				45	50		.17							
8788				50	55		.19	.165						
8789				55	60		.19							
8790				60	65		.15							
8791				65	70		.13							
8792				70	75		.18							
8793				75	80		.28							
8794				80	85		.41							
8795				85	90		.21							
8796				90	95		.21							
8797				95	100		.26							
8798				100	105		.25							
8799				105	110		.23							
8800				110	115		.29							.26
8801				115	120		.31			75–165				10 | 466 36 / 106 / 100
8802				120	125		.31				90'	.26 % Cu		
8803				125	130		.19							
8804				130	135		.23							
8805				135	140		.24							
8806				140	145		.34							
8807				145	150		.29							
8808				150	155		.17	.244						
8809				155	160		.23							
8810				160	165		.21							
8811				165	170		.17							
8812				170	175		.14							16
8813				175	180		.20							7 | 111 4 / 41
8814				180	185		.16			165–200				
8815				185	190		.15				35'	.16		
8816				190	195		.16							
8817				195	200		.13							
8818				200	205		.25							
8819				205	210		.27							
8820				210	215		.73							
8821				215	220		.33							
8822				220	225		.27							29
8823				225	230		.19			200–265				13 | 382 28 / 122 / 150
8824				230	235		.20				65'	.29		
8825				235	240		.19							
8826				240	245		.32							
8827				245	250		.30							
8828				250	255		.30	.245						
8829				255	260		.23							
8830				260	265		.24							
8831				265	270		.42							
8832				270	275		.29							356
8833				275	280		.42			265–295				6 | 22 4 18 / 34 / 30 / 40
8834				280	285		.42				30'	.36		
8835				285	290		.33							
8836				290	295		.36							
8837				295	300		.29							
8838				300	305		.25							
8839				305	310		.19							
8840				310	315		.23			295–335				27
8841				315	320		.35				40'	.27		8 | 216 16 / 56 / 16 / 00
8842				320	325		.28							

DRILL HOLE SAMPLES

PAGE 2 OF 2

PROPERTY: SQUAW PEAK | DISTRICT | COUNTY: PAPAGO | STATE | COUNTRY

HOLE NO. SP-10 | CONTRACTOR | COLLAR COORD. N E | COLLAR ELEV.

BEARING: VERTICAL | INCLINATION | DEPTH: 335' | STARTED | STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS							REMARKS
5343				325	330		.29							
3344				330	335		.30	.30						
				END OF HOLE										

335
14
250

4.66
1.11
3.82
2.24
2.18
14.01

28
50|1401
100
401
400
1

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-11	HARRIS	N E	

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
VERTICAL		295'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
8845	5 1/8			0	5	5'		
8846				5	10			
8847				10	15			
8848				15	20			
8849				20	25			
8850				25	30			
8851				30	35			
8852				35	40			
8853				40	45			
8854				45	50			
8855				50	55			
8856				55	60			
8857				60	65			
8858				65	70			
8859				70	75			
8860				75	80			
8861				80	85			
8862				85	90			
8863				90	95			
8864				95	100			
8865				100	105			
8866				105	110			
8867				110	115			
8868				115	120			
8869				120	125			
8870				125	130			
8871				130	135			
8872				135	140			
8873				140	145			
8874				145	150			
8875				150	155			
8876				155	160			
8877				160	165			
8878				165	170			
8879				170	175			
8880				175	180			
8881				180	185			
8882				185	190			
8883				190	195			
8884				195	200			
8885				200	205			
8886				205	210			
8887				210	215			
8888				215	220			
8889				220	225			
8890				225	230			
8891				230	235			
8892				235	240			
8893				240	245			
8894				245	250			
8895				250	255			
8896				255	260			
8897				260	265			
8898				265	270			
8899				270	275			
8900				275	280			
8901				280	285			
8902				285	290			
8903				290	295			
				END OF HOLE				

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-11	HARRIS	approx. 8200 N 6100 E	approx. 4420 feet

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
VERTICAL		295'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS							REMARKS
8845	5 1/8			0	5	5'	.05							
[illegible]				5	10		.06							
[illegible]				10	15		.04							
[illegible]				15	20		.05	.050						
[illegible]				20	25		.04							
[illegible]				25	30		.03							
[illegible]				30	35		.05							
[illegible]				35	40		.04							
[illegible]				40	45		.05							
[illegible]				45	50		.10							
8855				50	55		.11							
8856				55	60		.06							
8857				60	65		.05							
8858				65	70		.06							
8859				70	75		.06							
8860				75	80		.05							
8861				80	85		.03							
[illegible]				85	90		.04							
[illegible]				90	95		.03							
[illegible]				95	100		.06							
[illegible]				100	105		.05							
[illegible]				105	110		.05							
8867				110	115		.04							
[illegible]				115	120		.07	.054						
[illegible]				120	125		.07	134						
[illegible]				125	130		.04							
8871				130	135		.03							
8872				135	140		.06							
8873				140	145		.04							
8874				145	150		.06							
8875				150	155		.05							
8876				155	160		.05							
8877				160	165		.06							
8878				165	170		.05							
8879				170	175		.03							
8880				175	180		.04							
8881				180	185		.06							
8882				185	190		.05							
8883				190	195		.05							
8884				195	200		.05							
8885				200	205		.03							
8886				205	210		.03							
8887				210	215		.04							
8888				215	220		.05	.047						
8889				220	225		.07							
8890				225	230		.04							
8891				230	235		.07							
8892				235	240		.06							
8893				240	245		.05							
8894				245	250		.07	116						
8895				250	255		.10							
8896				255	260		.05							
8897				260	265		.06							
8898				265	270		.08							
8899				270	275		.05							
8900				275	280		.04							
8901				280	285		.05							
8902				285	290		.04							
8903				290	295		.05	52						
[illegible]				END OF	HOLE			.059						

134
116
52
3.02
.05
59 | 3.02
295
.70

0-295'
295' .05% Cu

59
5/295

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-12	HARRIS	5200 N 6300 E (APPRX.)	APPRX. 4550'

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
VERTICAL		200'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS							REMARKS
8904	5⅛			0	5	5'	.66							
8905				5	10		.45							
8906				10	15		.47				0 – 30	30'		.48% Cu
8907				15	20		.47							
8908				20	25		.43							
8909				25	30		.41							
8910				30	35		.34							
8911				35	40		.30							
8912				40	45		.29				30 – 65	35'		.33
8913				45	50		.34	.416						
8914				50	55		.42							
8915				55	60		.31							
8916				60	65		.33							
8917				65	70		.44							
8918				70	75		.45							
8919				75	80		.41							
8920				80	85		.34				65 – 115	50'		.44
8921				85	90		.54							
8922				90	95		.49							
8923				95	100		.49							
8924				100	105		.41							
8925				105	110		.37							
8926				110	115		.44							
8927				115	120		.38							
8928				120	125		.35				115 – 135	20'		.34
8929				125	130		.31							
8930				130	135		.33							
8931				135	140		.23							
8932				140	145		.24				135 – 155	20'		.25
8933				145	150		.19	.374						
8934				150	155		.23							
8935				155	160		.30				155 – 165	10'		.31
8936				160	165		.32							
8937				165	170		.67				165 – 175	10'		.75
8938				170	175		.83							
8939				175	180		.37				175 – 185	10		.38
8940				180	185		.38							
8941				185	190		.22							
8942				190	195		.22				185 – 200	15'		.22
8943				195	200		.23	.377						
				END OF HOLE										

5
2.89
2.33
4.38
1.37
.89
.62
1.50
.75
.67
15.40

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-12	HARRIS	8200 N 6300 E APPRX.	4350' approx.

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
VERTICAL		200'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS	REMARKS
8904	5⅛			0	5	5'	.66	
8905				5	10		.45	
8906				10	15		.47	0 – 30 30' .48% Cu
8907				15	20		.47	
8908				20	25		.43	
8909				25	30		.41	
8910				30	35		.34	
8911				35	40		.30	
8912				40	45		.29	30 – 65 35' .33
8913				45	50		.34	
8914				50	55		.42	
8915				55	60		.31	
8916				60	65		.33	
8917				65	70		.44	
8918				70	75		.45	
8919				75	80		.41	
8920				80	85		.34	65 – 115 50' .44
8921				85	90		.54	
8922				90	95		.49	
8923				95	100		.49	
8924				100	105		.41	
8925				105	110		.37	
8926				110	115		.44	
8927				115	120		.38	
8928				120	125		.35	115 – 135 20' .34
8929				125	130		.31	
8930				130	135		.33	
8931				135	140		.23	
8932				140	145		.24	135 – 155 20' .25
8933				145	150		.19	
8934				150	155		.23	
8935				155	160		.30	155 – 165 10' .31
8936				160	165		.32	
8937				165	170		.67	165 – 175 10' .75
8938				170	175		.83	
8939				175	180		.37	175 – 185 10 .38
8940				180	185		.38	
8941				185	190		.22	
8942				190	195		.22	185 – 200 15' .22
8943				195	200		.23	
				END OF HOLE				

2.89
2.33
4.38
1.37
.89
.62
1.50
.75
.67
15.40

.385
40 | 15.40
120
340
320
200

0-200'
200' .39% Cu

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-12	HARRIS	approx. 8200 N 6300 E	approx 4350'

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
VERT.		200'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS % Cu	REMARKS
8904	5⅝			0	5	5'	.66	
8905				5	10		.45	
8906				10	15		.47	
8907				15	20		.47	
8908				20	25		.43	
8909				25	30		.41	
8910				30	35		.34	
8911				35	40		.30	
8912				40	45		.29	
8913				45	50		.34	
8914				50	55			
8915				55	60			
8916				60	65			
8917				65	70			
8918				70	75			
8919				75	80			
8920				80	85			
8921				85	90			
8922				90	95			
8923				95	100			
8924				100	105			
8925				105	110			
8926				110	115			
8927				115	120			
8928				120	125			
8929				125	130			
8930				130	135			
8931				135	140			
8932				140	145			
8933				145	150			
8934				150	155			
8935				155	160			
8936				160	165			
8937				165	170			
8938				170	175			
8939				175	180			
8940				180	185			
8941				185	190			
8942				190	195			
8943				195	200			
				END OF HOLE				

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-13	HARRIS	appx. 8600 N 6000 E	appx. 4390

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	VERTICAL	195'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS							REMARKS
8944	5 1/8			0	5	5'	.40							Split Jan 4, 1974
8945				5	10		.33			0-20	20	.40		all samples taken to Iron King Assay office 1-9-74
8946				10	15		.47							
8947				15	20		.41							
8948				20	25		.21			20-40	20'	.31		
8949				25	30		.36							
8950				30	35		.36							
8951				35	40		.31							
8952				40	45		.28			40-55	15'	.26		
8953				45	50		.24							
8954				50	55		.26							0-195 .28 % Cu
8955				55	60		.31			55-65	10	.32		
8956				60	65		.33							0-120 .32 %
8957				65	70		.19			65-75	10	.17		
8958				70	75		.15							
8959				75	80		.33							
8960				80	85		.32			75-95	20'	.31		31/4|1.23
8961				85	90		.26	.307						
8962				90	95		.32							
8963				95	100		.40			95-105	10'	.41		
8964				100	105		.41							Split Jan 7, 1974
8965				105	110		.31							
8966				110	115		.27			105-120	15'	.31		31/3|.93
8967				115	120		.35							
8968				120	125		.21							
8969				125	130		.23							
8970				130	135		.32							
8971				135	140		.18			120-155	35'	.26		26/7|1.83 14 43 17
8972				140	145		.24							
8973				145	150		.39							
8974				150	155		.26							
8975				155	160		.19			155-165	10'	.19		
8976				160	165		.18							
8977				165	170		.22							
8978				170	175		.33							
8979				175	180		.30			165-195		.25		25/6|1.50 18 31
8980				180	185	5'	.24	.278	.278					
8981				185	195	10'	.21							

39/5\|11.95

AVERAGES

0	120'	120	.32	1.61
120	195'	75	.25	1.24
				.78
				.64
				.34
				1.23
				.81
				.93 7.58
				1.83
				.37
				1.54
				11.29

24 \| 7.71 (24 / 71 / 72 / 38 / 24 / 140 / 140)

24 \| 7.58 (31.5 / 72 / 38 / 24 / 140 / 140)

39 \| 11.29 (28 / 78 / 349)

DRILL HOLE SAMPLES

PAGE 1 OF 2

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-14	HARRIS	approx. 8200 N 6000 E	4470 approx.

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	VERTICAL	345'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS %Cu							REMARKS
8982	5 1/8			0	5	5'	.65							All samples taken to Iron King assay office 1-9-74
8983				5	10		.55							
8984				10	15		.58							
8985				15	20		.62							
8986				20	25		.50							
8987				25	30		.46							
8988				30	35		.53			0-90	90'	.70 %Cu		
8989				35	40		.64							
8990				40	45		.67							
8991				45	50		.77							
8992				50	55		1.07							
8993				55	60		1.04							
8994				60	65		.62							
8995				65	70		.83							
8996				70	75		.72	.683						
8997				75	80		1.07							
8998				80	85		.67							
8999				85	90		.53							
9000				90	95		.32			90-100	10'	.35		
9651				95	100		.37							
9652				100	105		.43							
9653				105	110		.42			100-120	20'	.43		
9654				110	115		.48							
9655				115	120		.39							
9656				120	125		.56			120-130	10'	.55		
9657				125	130		.53							
9658				130	135		.35							
9659				135	140		.22							
9660				140	145		.38							
9661				145	150		.30			130-170	40'	.34		
9662				150	155		.35							
9663				155	160		.36							
9664				160	165		.26							
9665				165	170		.50							
9666				170	175		.05	.427						
9667				175	180		.04							
9668				180	185		.05							
9669				185	190		.06							
9670				190	195		.06							
9671				195	200		.07							
9672				200	205		.08							
9673				205	210		.07							
9674				210	215		.09							
9675				215	220		.05							
9676				220	225		.04	66						
9677				225	230		.03							
9678				230	235		.03							
9679				235	240		.04							
9680				240	245		.04							
9681				245	250		.05							
9682				250	255		.05			170-345	175'	.04		
9683				255	260		.04							
9684				260	265		.03							
9685				265	270		.04							
9686				270	275		.03	.050						
9687				275	280		.03							
9688				280	285		.03							
9689				285	290		.04							
9690				290	295		.04							
9691				295	300		.04							
9692				300	305		.04	126						
9693				305	310		.03							
9694				310	315		.02							
9695				315	320		.03							
9696				320	325		.03							

.695
18) 12.52
108
172
162
108
98

0-170
170'
0.55 %Cu

.35
2) 69

.43
4) 1.72
16
12

.55
2) 1.09

.34
8) 2.72
24
32

12.52
.69
1.72
1.09
2.72
18.74
.55
34) 18.74
170
174
170
40

345
170
175
35

.042
35) 150
140
100

DRILL HOLE SAMPLES

PAGE 2 OF 2

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		VAV.	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-14		N E	

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	VERT	345'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS % Cu							REMARKS
4697	5½			325	330	5'	.03							
4698				330	335		.03							
4699				335	340		.04							
4700				340	345		.03	.033						
					END OF HOLE			✓						

DIAMOND DRILL LOG

SCALE 1"=20' | STARTED | STOPPED | NOTES BY | DEPTH 350' | BEARING | INCLINATION | HOLE No. SP-15 | PROPERTY | COUNTY | COLLAR COORD. N. | E. | COLLAR ELEV. | SHEET 1 OF 2 | STATE

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYBE
							Virtually no "oxide" zone. Minor FeO_x staining on fractures at surface (0-5'). Sulfides present from top of hole.	Good sulfides, asso w/ qtz, biotite, ± seric., small blebs + veinlets. py:cp ≈ 1:2.	Feldspars cloudy white from 0' to 5', then gradually pale green. Fair amt of sericite asso w/ qtz. No signif. orthoclase. Biotite appears primary, + dark.	Qtz dior. to Granodiorite, grey, med. grained, equigranular. Mostly plagioclase > quartz, + biotite, minor Kspar, sericite, chlorite, hornblende, sulfides.
				20				Tr. mb w/ cp + qtz.	Most feldspars generally pale green. Green coloration is strongest at center of plagioclase xl.	
								Continued good sulfides, usually w/ interstitial qtz + sericite.		
				40			interval 40-45' missing			
								py:cp ≈ 1:3		
				60				Tr mb.		
								Very good sulfides, often in blebs of sulfides + biotite/sericite; cp "core" ± mb in small pods of fine biotite and sericite, interstitial w/ plagioclase, and related to quartz. Py:cp ≈ 1:2.	65-75: increase in orthoclase feldspar — apparently primary, poss. replacement? of plagioclase. Most feldspars still pale green, but more olive green w/ strong interstitial sericite w/ asso. good sulfides. 75-100: much cloudy white feldspars, also some tarnish on cp, poss. fracture-related postore alteration.	
				80						
				100				Strong sulfides, similar to above.		
								py:cp ≈ 1:1 Tr FeO_x staining on some surfaces. Sulfides almost always occur w/ sericite. Tr. mb.	Feldspars mostly white, locally pale green in centers.	
				120			interval 115'-130' missing			
								Good sulfides asso. w/ qtz and interstitial qtz-sericite.	Feldspars gradually turning to dominantly pale green.	
				140				py:cp ≈ 2:3		
								Fair sulfides.	Most feldspars pale green. Good interstitial biotite + sericite.	
				160				160-175': Sulfides asso. w/ interstitial biotite ± sericite, asso. w/ 2ndary(?) Kspar. py:cp ≈ 1:2. Moderate fracture-controlled FeO_x. 175: Good sulfides, incl. mb. w/ qtz ± seric, still in interstitial areas betw. feldspars. Wk. tr. FeO_x	160-175': Some interstitial orthoclase, usually spatially related to sulfides. 175: Return to pale green plagioclase qtz ± sericite betw. feldspars.	160-175': Qtz monzonite(?) ppy dike(?), Phenocrysts of plagioclase up to 5 mm (phenocrysts totaling ~40% of rock), qtz, minor biotite, Kspar, sericite, FeO_x. 175': Qtz dior to Grdr, same as before.
				180						
								py:cp ≈ 1:1	Feldspars generally greenest near sulfide mineralization.	
				200						

DIAMOND DRILL LOG

HOLE No. SP-15 SHEET 2 OF 2

SCALE 1"=20' STARTED ____ STOPPED ____ NOTES BY ____

DEPTH ____ BEARING ____ INCLINATION ____

PROPERTY ____ COUNTY ____ STATE ____ COLLAR COORD. N. ____ E. ____ COLLAR ELEV. ____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				220				Good sulfides, commonly in irregular pods of sulfide + biotite ± sericite in interstitial areas between pale green feldspar + qtz. More rarely in qtz-sulfide veinlets. py:cp ≈ 1:2	Feldspars remain generally pale green. Feldspars white to pale green. Both primary + secondary biotite.	cont'd Q. dior - Gd.
				240				230-245 py:cp ≈ 1:1; cp occurs as above, but addit'l py w/ influx of Kspar.	230-245': Sharp increase in orthoclase?: either primary or replacement of plagioclase. Commonly asso. w/ incr. in sericite ± py, but no significant cp or mb. Most plagioclase pale green; orthoclase is pink. No apparent change in rock type	
				260				Fair sulfides, still in irreg. blebs; py:cp ≈ 1:1.	250- ; Cont'd. minor repl (?) of plag. by orthoclase. Most plag. feldspars green - May poss. be clay alt'n rather than orthoclase.	
								Fair sulfides. Tr mb. Locally FeOx coating on py.		
				280				Tr mb.		
				300				Sulfides fair to poor; small irreg. blebs of cp + py w/ biot. ± seric. py:cp ≈ 1:1	Feldspars mostly pale olive green. Continued pale pinkish color. Biotite both primary + black + also 2ndary asso w/ seric. Kspar locally moderate, asso w/ interstitial biotite. Also pink feldspars which may be primary orthoclase.	
				320				Sulfides fair to poor, same as above.		
				340				Sulfides cont'd fair to poor; usually as "veins" of interstitial biotite blebs.	Continued pale green feldspar w/ substantial pink feldspars, sometimes both in same fragment. Locally abundant sericite closely related to interstitial biotite and asso. w/ qtz.	
				350			350': bottom of hole			

DRILL HOLE SAMPLES — PAGE 1 OF 2

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		YAVAPAI	AZ	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-15	HARRIS	8000 N 6300 E (appx.)	4270 approx.

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	VERTICAL	350 feet.		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS							REMARKS
8223	5⅛			0	5	5'	.37							Split Jan 8 1974 delivered to Jacobs Assay office 1-10-74.
8224				5	10		.36							
8225				10	15		.34			0-25	25'	.38		
8226				15	20		.37							
8227				20	25		.46							
8228				25	30		.21			25-35	10'	.23		
8229				30	35		.25							
8230				35	40		.53							
8231				40	45		.37							
8232				45	50		.48			35-60	25'	.46		0-95 95' .39%
8233				50	55		.43							
8234				55	60		.47							
8235				60	65		.37							
8236				65	70		.40	.386						
8237				70	75		.40			60-85	25'	.39		
8238				75	80		.38							
8239				80	85		.39							
8240				85	90		.44			85-95	10'	.44		
8241				90	95		.43							
8242				95	100		.27							
8243				100	105		.26							
8244				105	110		.21							0-225' .32
8245				110	115		.30			95-130	35	.25		
8246				115	120		.26							
8247				120	125		.17							
8248				125	130		.28							
8249				130	135		.34			130-140	10	.33		
8250				135	140		.32							
3701				140	145		.23							
3702				145	150		.25			140-160	20'	.25		
3703				150	155		.22							
3704				155	160		.29							
3705				160	165		.39							
3706				165	170		.38	.311		160-175	15'	.40		
3707				170	175		.43							
3708				175	180		.28							
3709				180	185		.24							
3710				185	190		.35							
3711				190	195		.23			175-225	50'	.26		
3712				195	200		.24							
3713				200	205		.26							
3714				205	210		.25							
3715				210	215		.25							
3716				215	220		.26							
3717				220	225		.20							
3718				225	230		.19							
3719				230	235		.18							
3720				235	240		.18			225-260	35'	.17		
3721				240	245		.19							
3722				245	250		.15							
3723				250	255		.16							
3724				255	260		.17							
3725				260	265		.21							
3726				265	270		.20	.231						
3727				270	275		.23							
3728				275	280		.25			260-295	35'	.24		
3729				280	285		.29							
3730				285	290		.28							
3731				290	295		.22							
3732				295	300		.17							
3733				300	305		.14							
3734				305	310		.15							
3735				310	315		.14							
3736				315	320		.16							
3737				320	325		.19							

DRILL HOLE SAMPLES

PAGE 2 OF 2

PROPERTY | DISTRICT | COUNTY | STATE | COUNTRY

HOLE NO. SP-15 | CONTRACTOR | COLLAR COORD. N E | COLLAR ELEV.

BEARING | INCLINATION | DEPTH | STARTED | STOPPED

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS % Cu							REMARKS
3738				325	330		.19			295-350	55'	.17		
3739				330	335		.20							
3740				335	340		.19							
3741				340	345		.15							
3742				345	350		.24	.199						
				AVERAGES:										
				0	95	95	.39							
				95	225	130	.28							
				0	225	225	.32							
				225	350	125	.19							
				0	350	350	.28							

DIAMOND DRILL LOG

SCALE 1"=20' | STARTED | STOPPED | NOTES BY | DEPTH 325' | BEARING | INCLINATION | HOLE No. SP-16 | SHEET 1 OF 2 | PROPERTY | COUNTY | STATE | COLLAR COORD. N. | E. | COLLAR ELEV.

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
							med-coarse size frags	Much FeO_x	Abund qtz, feldspars typically white. Little or no epidote, Kspar	Gdr(?)
								tr CuO_x		
								tr sulfides		
				20				mod CuO_x + FeO_x		
									tr biotite → sericite	
									mod. seric.	
								tr CuO_x	much qtz	
				40				qtz vn. w/ mb		
							50% oxidized	good FeO_x, CuO_x		
							55': bottom oxide zone	tr CuO_x, mod FeO_x	mod. seric.	
				60			smaller fragments, more clayey	good sulfides	abund. qtz	
								fair to good sulfides, very fine		
									feldspars gradually become pale green	
				80				tr CuO_x		
									tr pink feldspar	
								fair sulfides, very finely scattered in asso. w/ qtz + biot.	qtz vns(?) w/ pink-red hairline fractures	
				100						
								tr sulfides asso w/ qtz	feldspars pale green	
				120				V. good sulfides	abund. qtz	
								abund fine sulfides w/ qtz + biot.	feldspars virtually all lt. green	
				140						
								mod. sulfides	feldspars pale green, still much qtz.	
									wk Kspar(?)-epid-calcite	
				160						
								good sulfides, mostly py	tr. pink feldspar + abund qtz. most feldspars lt. green	
				180				mod sulfides		
									good qtz	fewer feldspars — mostly qtz-biotite-seric.
								mod. sulfides, mostly related to qtz + biot.		
				200						

DIAMOND DRILL LOG

SCALE 1"=20' | STARTED | STOPPED | NOTES BY

DEPTH 325' | BEARING | INCLINATION

HOLE No. SP-16 | SHEET 2 OF 2 | PROPERTY | COUNTY | STATE | COLLAR COORD. N. | E. | COLLAR ELEV.

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
								mod. sulfides	Feldspars strong pale green	Gdr(?), more feldspars
				220				Good sulfides	Abund qtz + pale green feldspars	
				240			mostly silt size + smaller	mod sulfides		
				260					white + grey qtz w/ good sericite(?)	
								mod-good sulfides		
				280						
				300				mod sulfides	feldspars wk. pale green qtz white & grey	
				320					mod. seric., abund. grey qtz.	
				325			325': end of hole	mod. sulfides		

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		Yavapai	Az.	USA

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-16	HUGH HARRIS	approx. 8000 N 6100 E	approx. 4380

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
sample split	Vertical	325'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS %Cu						REMARKS
9784			1/8	0	5	5'	.34						1-21-74 JKJ
9785			1/8	5	10		.29			0 - 10	10'	.32	
9786			1/4	10	15		.41						
9787			1/4	15	20		.62						
9788			1/8	20	25		.57						
9789			1/8	25	30		.63						
9790			1/8	30	35		.66			10 - 55	45	.66	
9791			1/4	35	40		.90						
9792			1/4	40	45		.88						
9793			1/4	45	50		.60						
* 9794			1/4	50	55		.68						1-22-74 JKJ
9795			1/8	55	60		.48						
9796			1/4	60	65		.40			55 - 65	10'	.44	
9797			1/4	65	70		.30						
9798			1/4	70	75		.31						
9799			1/4	75	80		.40			65 - 80	15'	.34	
9800			1/4	80	85		.26	.513					
9801			1/8	85	90		.28						
9802			1/4	90	95		.28						
9803			1/8	95	100		.34						
9804			1/4	100	105		.25			80 - 115	35'	.27	
9805			1/4	105	110		.26						
9806			1/4	110	115		.24						
9807			1/4	115	120		.34						
15 9808			1/4	120	125		.43						
9809			1/4	125	130		.37						
9810			1/4	130	135		.47			115 - 145	30'	.39	
9811			1/4	135	140		.38						
9812			1/4	140	145		.36						
9813			1/4	145	150		.22						
9814			1/4	150	155		.21						
9815			1/4	155	160		.25			145 - 160	15'	.23	
9816			1/4	160	165		.37						
9817			1/4	165	170		.52						
25 9818			1/4	170	175		.30						
9819			1/4	175	180		.53						
9820			1/4	180	185		.37	.339					
9821			1/4	185	190		.42						
9822			1/4	190	195		.37						
9823			1/4	195	200		.36						
9824			1/4	200	205		.48			160 - 205	45'	.41	
9825			1/4	205	210		.33						
9826			1/4	210	215		.32						
9827			1/4	215	220		.37						1-23-74 JKJ
9828			1/4	220	225		.38						
9829			1/4	225	230		.36						
9830			1/4	230	285		.30			205 - 255	50'	.36	
9831			1/4	235	240		.39						
9832			1/4	240	245		.39						
9833			1/4	245	250		.40						
9834			1/4	250	255		.38						
9835			1/8	255	260		.44						
9836			1/8	260	265		.35						
9837			1/4	265	270		.52						
9838			1/8	270	275		.34						
9839			1/4	275	280		.42						
9840			1/4	280	285		.43	.388					
9841			1/4	285	290		.42			255 - 325	70'	.43	
9842			1/4	290	295		.43						
9843			1/4	295	300		.45						
9844			1/4	300	305		.49						
9845			1/4	305	310		.42			Averages:			
9846			1/4	310	315		.46			0	325'	325' .41%Cu	
9847			1/4	315	320		.45						
9848			1/4	320	325		.38	.438					

315
2|63
66
9|595
54
55
54
10
2|58
336
3|1|9|1
7
1
20
27
7|1|9|1
14
5
1
49
20
39
6|23|5
18
5
55
54
226
3|68
6
20
413
9|37|2
36
12
1
30
1|3.62
3
63
5.95
58
101
191
235
68
372
362
600
26.75
428
14|6.00
56
40
32
120
112
65

DIAMOND DRILL LOG

SCALE 1"=20' STARTED ____ STOPPED ____ NOTES BY R. Coe

DEPTH 330' BEARING ____ INCLINATION ____

HOLE No. SP-17 SHEET 1 OF 2

PROPERTY ____ COUNTY ____ STATE ____

COLLAR COORD. N. ____ E. ____

COLLAR ELEV. ____

ASSAYS % MO.	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYBE
							Mostly fine fragments. Rel. subordinate coarse fraction.	Tr CuO_x, usually as thin stains on qtz. Mod. FeO_x on fracs + as weath. halos around relict py.	Much interstitial biotite which has been altered or weathered to sericite. Feldspars generally dull white.	Granodiorite (?), med-grained, equigranular, mostly qtz, plagioclase, biotite, ± sericite, chlorite, orthoclase, hornblende, sulfide min'ls, 2ndary Fe + Cu min'ls.
							Approx. bottom oxidation			
				20			Mostly fine fragments. Relatively small coarse fraction.	First appearance of sulfides, asso w/ qtz + sericite. py:cp ≈ 4:1	Feldspars still mostly white) some v. weak green (seric.?) stain.	
								Strong sulfides.		
				40				Tr mb; py:cp ≈ 2:1 Cont'd FeO_x locally on fracs.	Gradual incr. in pale green feldspars	
								Sulfides strong to v. strong. Most sulfides in irreg. pods. asso w/ qtz + sericite. Some sulfides in minute vnlts. w/ qtz.	Most feldspars pale green + soft. Strong interst. sericite. Some feldspars tan (clays?)	
				60					Feldspars greenest when surr. by interst. seric. + qtz.	
								Strong cp, asso. w/ qtz, both in irreg qtz-sulfide vnlts + in sulfide-sericite blebs, but always asso w/ qtz. py:cp ≈ 1:1		
				80				V. strong sulfides, prob. introduced by qtz. Rock is ~40% qtz (hydrothermal?)	Feldspars white to pale green. Abund. qtz + sericite.	
				100				Occasional tr CuO_x w/ FeO_x on fractures.		
								Strong sulfides. py:cp ≈ 1:1.	Most feldspars pale green. Cont'd. strong interst. qtz + sericite.	
				120				V. good sulfides; py:cp ≈ 1:2 Abundant qtz-related cp.	Some feldspars tan (clay?) but generally still pale green.	
									tr. rhodochrosite?	
				140					Most biotite appears primary. Some interstitial biotite, mostly altered to sericite.	
								Good sulfides, primarily related to qtz ± seric.	Much pale-yellow-green feldspar (montmorillonite?)	
								Tr mb w/ cp + qtz.		
				160					160-165: Abrupt incr. in K-feldspar (?) both as pink feldspar & as interstitial pink mat'l. Tr rhodochrosite?	
								Abundant cp + mb asso. w/ qtz + seric. Crudely veined in irregular, connected patches. py:cp ≈ 1:3		
				180				Good sulfides py:cp ≈ 1:1 Asso. w/ qtz + sericite.	Most feldspars again pale green or lt. tan. Abund. qtz + seric.	
								Good cp + mb asso w/ qtz ± seric. py:cp ≈ 1:3	Feldspars pale green, esp. in vicinity of qtz-ser-sulfide mineralization.	
							195-210: fracture zone?	195-210: Slight incr. in FeO_x. Good sulfides still asso w/ qtz + seric.	195-210 fracture? most feldspars altered to	
				200						

(next page)

DIAMOND DRILL LOG

HOLE No. SP-17 SHEET 2 OF 2

SCALE 1"=20' STARTED _____ STOPPED _____ NOTES BY _____

DEPTH _____ BEARING _____ INCLINATION _____

PROPERTY _____ COUNTY _____ STATE _____ COLLAR COORD. N. _____ E. _____ COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYBE
				220				Wk FeO_x on some surfaces Tr. mb. [Note slight drop in Cu assay values at 195-210'] Good sulfides. Py:cp ≈ 1:1	lt. greenish tan (clays?) Qtz + sericite remain unchanged. V. strong sericite Z 10: Most feldspars again pale green, minor amt. of lt. tan feldspars, poss. due to abrasion Original biotite looks partially altered to chlorite + sericite. Interstitial areas mostly qtz + sericite.	
				240				Good sulfides, same occurrence as above.		
				260			245-250': small fracture?	Tr FeO_x+CuO_x Strong sulfides	Feldspars lt. green to white Significant clay(?) alt'n of some feldspars Strong qtz-sericite.	
				280				Abundant sulfides, commonly asso w/ qtz ± biotite ± sericite in irregular, loosely connected clusters of fine-grained py + cp. [Clusters connected by hairline qtz + qtz-sulfide veins which are usually well-healed.]	Feldspars virtually all pale green. Biotite altered partly to completely to sericite.	
				300				Cont'd strong sulfides Py:cp ≈ 1:1 Scattered FeO_x	Feldspars continued pale green to green. Cont'd strong qtz-seric.	
				320				Sulfides still in fine-grained masses asso. w/ qtz + sericite. Py:cp ≈ 1:1 ; Tr mb.	Feldspars less green: pale green to white or lt. tan - small fracture?	
				330			330': bottom of hole	Some weak FeO_x on surfaces + locally py → FeO_x Sulfides cont'd strong in asso. w/ qtz + seric. to bottom of hole.	Feldspars milky white to pale green, cont'd mostly pale green to bottom of hole.	

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		Yavapai	Ariz.	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-17	HUGH HARRIS	7800 N 6000 E (appx.)	4390 ±

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	Vertical	330 feet		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS % Cu						REMARKS
3743				0	5	5	.36		0-15	15'	.37	% Cu	Split 1-9-74
3744				5	10		.41						
3745				10	15		.33						
3746				15	20		.46		15-25	10'	.46		
3747				20	25		.46						.42
3748				25	30		.50						
3749				30	35		.58						
3750				35	40		.64						
6489				40	45		.57		25-60	35'	.58		
6490				45	50		.46						
6491				50	55		.75						
6492				55	60		.55						0-330 .46% Cu
6493				60	65		.38		60-70	10'	.40		
6494				65	70		.42	.491					
6495				70	75		.69						
6496				75	80		.54		70-90	20'	.72		
6497				80	85		.69						
6498				85	90		.95						
6499				90	95		.38						
6500				95	100		.44						
9001				100	105		.41		90-120	30'	.44		
9002				105	110		.45						
9003				110	115		.44						
9004				115	120		.52						
9005				120	125		.39						
9006				125	130		.33						
9007				130	135		.37		120-145	25'	.37		
9008				135	140		.39						
9009				140	145		.35						
9010				145	150		.70						
9011				150	155		.42						
9012				155	160		.47						
9013				160	165		.40						
9014				165	170		.44	.489	145-195	50	.47		473
9015				170	175		.50						
9016				175	180		.40						
9017				180	185		.39						
9018				185	190		.60						
9019				190	195		.41						
9020				195	200		.35						
9021				200	205		.35		195-210	15	.36		
9022				205	210		.37						
9023				210	215		.45						
9024				215	220		.40						
9025				220	225		.46						
9026				225	230		.37						
9027				230	235		.39		210-260	50	.41		1413
9028				235	240		.41						
9029				240	245		.50						
9030				245	250		.32						
9031				250	255		.38						
9032				255	260		.45						
9033				260	265		.52						
9034				265	270		.61	.432	260-275	15	.58		
9035				270	275		.62						
9036				275	280		.39		275-285	10	.39		
9037				280	285		.39						78
9038				285	290		.52						
9039				290	295		.49		285-305	20	.46		
9040				295	300		.41						
9041				300	305		.41						
9042				305	310		.34						
9043				310	315		.44		305-330	25	.37		
9044				315	320		.37						
9045				320	325		.38						
9046				325	330		.37	.423					

Sample No.: SP17-920'

Hand Sample: Fine to medium grained, pinkish gray porphyritic rock. with minor sulfides.

Thin section texture: Porphyritic; fine grained groundmass.

Mineralogy

plagioclase
orthoclase
quartz
hornblende
biotite
chlorite
epidote
carbonate
apatite
sericite

Subhedral plagioclase ranges in size from less than 1mm to 2mm. The larger crystals are zoned. Some crystals are fresh but most are moderately to intensely altered mostly to sericite. Epidote is a less common alteration product. Hornblende occurs as phenocrysts up to 3mm in length but makes up only about 1% of the thin section. It shows minor chloritic alteration.

Biotite is present in various grain sizes. Some grains are fresh while others are partially replaced by chlorite. Irregular grains of chlorite, some associated with epidote, apparently represent completely replaced biotite and/or hornblende. Total mafic minerals make up 5-10% of the rock.

Quartz is abundant in the groundmass and several quartz phenocrysts are present. Orthoclase occurs in the groundmass intrrgrown with quartz. In a few areas orthoclase forms small patches in plagioclase crystals and in one area a small orthoclase veinlet cuts a plagioclase phenocryst. Most of the orthoclase, however, appears to be primary. Most of the orthoclase appears fresh but some grains are very slightly cloudy.

Epidote occurs in some small veinlets with or without carbonate. In general the rock is not highly fractured.

Rock Name: Porphyritic quartz monzonite.

Sample No.: SP17-920'

Hand Sample: Fine to medium grained, pinkish gray porphyritic rock. with minor sulfides.

Thin section texture: Porphyritic; fine grained groundmass.

Mineralogy

plagioclase
orthoclase
quartz
hornblende
biotite
chlorite
epidote
carbonate
apatite
sericite

Subhedral plagioclase ranges in size from less than 1mm to 2mm. The larger crystals are zoned. Some crystals are fresh but most are moderately to intensely altered mostly to sericite. Epidote is a less common alteration product. Hornblende occurs as phenocrysts up to 3mm in length but makes up only about 1% of the thin section. It shows minor chloritic alteration.

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Epidote occurs in some small veinlets with or without carbonate. In general the rock is not highly fractured.

Rock Name: Porphyritic quartz monzonite.

DIAMOND DRILL LOG

SCALE 1"=20' | STARTED | STOPPED | NOTES BY R. ROE | DEPTH 185' | BEARING | INCLINATION | HOLE No. SP-18 | SHEET 1 OF 1 | PROPERTY | COUNTY | STATE | COLLAR COORD. N. | E. | COLLAR ELEV.

ASSAYS % MO	ASSAYS % CU	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYBE
			0			Mostly coarse fragments.	Moderate FeO_x, tr CuO_x on fracs + occasionally w/ biotite books + flakes 10': 1st appearance of sulfides: small clusters of cp+py w/ biotite ± sericite connected by irregular hairline qtz-biotite-sulfide veinlets. py:cp ≈ 2:3 Strong sulfides.	Feldspars filmy white to milky white. Primary biotite weathered to/or altered to phlogopite or sericite. Scattered flakes of biotite show affinity for CuO_x	Granodiorite(?) med. grained, equigranular, primary constituents: qtz, plagioclase, biotite, sericite, minor other matics, sulfides, clays. Granitic texture. No major change throughout hole.
			20			bottom of oxide zone (gradational)			
			40			Mostly dust-sized particles.	Tr mb. Strong sulfides, same as above.	Feldspars dull grey-white to pale green. Strongest green in vicinity of sulfide clusters	
			60				no change Biotite still most receptive to sulfides py:cp ≈ 1:1	Feldspars generally pale green to green.	
			80				Strong sulfides, py:cp ≈ 2:1	Small occurrence of lt. blue stain on qtz.	
			100			90-100': minor fracture?	90-100': tr FeO_x	90-100': Appearance of scattered lt. tan feldspars	
			120				Good sulfides asso w/ qtz ± biotite ± seric. as above. py:cp ≈ 1:2	Feldspars pale green; green to dark green near massive pods of sulfides.	
			140				Abundant qtz, seric + sulfides Tr mb. py:cp ≈ 1:1	Cont'd strong pale green feldspars.	
			160			~40% qtz	Sulfides v. finely scattered in qtz-sericite interstitial clusters	no change	
			180				Cont'd strong sulfides, always asso. w/ qtz ± biot ± sericite. py:cp ≈ 2:1 Sulfides v. strong: 3-6% of total rock.	Cont'd strong qtz-seric. alteration.	
			185			185: bottom of hole			

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		Yavapai	Az.	

HOLE NO.	CONTRACTOR	COLLAR COORD.	COLLAR ELEV.
SP-18	HUGH HARRIS	7800 N 6100 E (apprx.)	apprx. 4390

BEARING	INCLINATION	DEPTH	STARTED	STOPPED
	Vertical	185'		

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS %Cu							REMARKS
9047				0	5		.31							10)383
9048				5	10		.39							
9049				10	15		.37							
9050				15	20		.32							
9751				20	25		.33			0-50		50'	.38	
9752				25	30		.36							
9753				30	35		.52							
9754				35	40		.37							
9755				40	45		.39							
9756				45	50		.37							
9757				50	55		.42							44
9758				55	60		.51							7)310
9759				60	65		.46							28
9760				65	70		.46	.399		50-85		35'	.44	30
9761				70	75		.43							28
9762				75	80		.33							60
9763				80	85		.49							
9764				85	90		.55							
9765				90	95		.52							.659
9766				95	100		.65							12)7.91
9767				100	105		.53							72
9768				105	110		.69							71
9769				110	115		.41							60
9770				115	120		.82			85-145		60'	.66	110
9771				120	125		.69							108
9772				125	130		.54							
9773				130	135		.86							
9774				135	140		.72							
9775				140	145		.93							
9776				145	150		.40							45
9777				150	155		.44							5)225
9778				155	160		.44			145-170		25'	.45	20
9779				160	165		.48							25
9780				165	170		.49	.571						
9781				170	175		.52							91
9782				175	180		.90			170-185		15'	.91	3)274
9783				180	185		1.32	.913						

END OF HOLE

383
310
791
225
274
1983

535
37)1983
185
133
111
220
185
.35

0-185'
0.54%Cu

DIAMOND DRILL LOG

SCALE 1"=20' STARTED _____ STOPPED _____ NOTES BY R Roe

DEPTH 310' BEARING _____ INCLINATION _____

HOLE No. SP-19 SHEET 1 OF 2

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				20			Med. + coarse fragments	Weak-mod. FeOx on surfaces.	Feldspars creamy white. Primary biotite weathered to phlogopite.	Granodiorite(?) to Qtz Monzonite(?) Mostly qtz, feldspars, + biotite, w/ minor sericite, sulfides, FeOx, etc. Med-grnd, equigran. Granitic character.
								Cont'd wk FeOx	Weak sericitization of some biotite	
				40			Approx. bottom oxid. zone		Feldspars white to pinkish-tan (clays)	
							Mostly medium-sized fragments.	1st appearance sulfides, tr py + cp asso. w/ biotite	Same or thoclase prob (primary)	
				60				py:cp ≈ 2:1	Feldspars v. pale green in unoxidized fragments.	
								Fair sulfides, asso. w/ biotite	Most biotite still appears primary.	
				80			~1/3 oxidized fragments		70-80 clay alt'n of feldspars	
									Feldspars lt. tan to pale green.	
				100			Generally unoxidized.	Fair sulfides in irreg. patches of interstitial biotite.	95-115: Incr. in lt. tan feldspars — prob clay alt'n similar to 70-80	
									Much bluish-green interstitial matl — fine-grained qtz-seric.	Qtz Monz (?) same rock
				120				Fair sulfides, py-cp-mb asso. w/ biotite + qtz-sulfide veinlets. py:cp ≈ 1:1.	110-115: Incr. in orthoclase (?) poss. dike	
									Most feldspars grey-white to pale green.	
				140					120-125: Incr. in orthoclase(?) as repl. (?) of plag. or as primary constituents of dike	
									Biotite partly sericitized.	
				160				Weak sulfides, always asso. w/ biotite ± sericite; usually crudely veined in small hairline veins. stockwork.	Most feldspars lt. pinkish-tan (clays?) Much pink feldspar (orthoclase?) Kspar(?) ~ 1/2 total feldspar	
				180				Some cp w/ qtz fragments — prob. vn. matl	Cont'd ~ 1/2 pink feldspar. Plg feldsp. mostly pale green.	
									Fair amt. of sericite interstitial to feldspars.	
				200				Fair sulfides related to biotite ± sericite alt'n. py:cp ≈ 2:1		

DIAMOND DRILL LOG

SCALE 1" = 20' STARTED _____ STOPPED _____ NOTES BY RROE

DEPTH 310' BEARING _____ INCLINATION _____

HOLE No. SP-19 SHEET 2 OF 2

PROPERTY _____ COUNTY _____ STATE _____

COLLAR COORD. N. _____ E. _____

COLLAR ELEV. _____

ASSAYS % MO	ASSAYS % CU	ASSAYS	% RECOV.	DEPTH	Graph	COL.	DETAIL	MINERALIZATION	ALTERATION	ROCK TYPE
				220				Weak sulfides asso w/ biotite (biotite usually at least partially alt'd to sericite — most biotite hosts interstitial, connected by thin irregular qtz-biotite lenses)	Plag. feldspars pale green. Kspar(?) pink to pinkish white (clays?)	QM
				240					Plagioclase white to pale green; Kspar(?) pinkish tan to pink.	
				260				Weak sulfides — mostly py w/o biotite	no change	
				280				sulfides asso. w/ biotite + qtz ± sericite	Fewer pale green feldspars — mostly white to pale pink (clays?)	
				300				Weak sulfides asso w/ qtz-sericite alt'n of biotite + interstitial areas. Some to bottom of hole	Some hornblende, partly altered to biotite. Most biotite is partly or wholly alt'd to sericite. 290-305 - much Kspar	
				310			310': bottom of hole	Tr mb	Most biotite rel. fresh. Altered biotite commonly hosts for sulfide min'liz'n. Tr. epidote at 305-310, most plagioclase is milky white, Kspar lt. pink to bottom.	

DRILL HOLE SAMPLES

PAGE 1 OF 1

PROPERTY	DISTRICT	COUNTY	STATE	COUNTRY
SQUAW PEAK		Yavapai	ARIZ.	USA

HOLE NO.	CONTRACTOR	COLLAR COORD. N / E	COLLAR ELEV.
SP-19	Hugh Harris		

BEARING	INCLINATION	DEPTH	STARTED / STOPPED
	Vertical	310 feet	

SAMPLE NUMBER	BIT SIZE	RECOVERY FEET	RECOVERY %	DRILL RUN FROM	DRILL RUN TO	INT.	ASSAYS oz/cu							REMARKS
9849				0	5		.15							
50				5	10		.14							
0151				10	15		.17							
2				15	20		.18		0-40'	40'	.16			
3				20	25		.16							
4				25	30		.17							
5				30	35		.16							
6				35	40		.16							
7				40	45		.20							
8				45	50		.15							
9				50	55		.22							
0160				55	60		.21							
1				60	65		.23		40-85	45'	.22			
2				65	70		.19							
3				70	75		.26							
4				75	80		.27							
5				80	85		.26							
6				85	90		.17	.192						
7				90	95		.20		5'@		.18			
8				95	100		.19							
9				100	105		.16							
0170				105	110		.17							
1				110	115		.10							
2				115	120		.10							
3				120	125		.12							
4				125	130		.18							
5				130	135		.11		50'@	0.12				
6				135	140		.10							
7				140	145		.09							
8				145	150		.12							
9				150	155		.14							
80				155	160		.11							
0181				160	165		.16							
2				165	170		.17							
3				170	175		.20							
4				175	180		.16							
5				180	185		.15		55'@	0.16				
6				185	190		.20	.147						
7				190	195		.14							
8				195	200		.16							
9				200	205		.16							
0190				205	210		.12							
1				210	215		.12							
2				215	220		[illegible]		no assay					
3				220	225		.13							
4				225	230		.10							
5				230	235		.12		40'@	0.12				
6				235	240		.11							
7				240	245		.12							
8				245	250		.10							
0199				250	255		.17							
0200				255	260		.15							
1				260	265		.28		10'@	0.26				
2				265	270		.24							
3				270	275		.16							
4				275	280		.16							
5				280	285		.18		40'@	0.15				
6				285	290		.13	.150						
7				290	295		.12							
8				295	300		.14							
9				300	305		.18							
0210				305	310		.16	.150						

16
8|129
8
49
48
1.0

22
9|199
18
19
18
1

18
5|89
5
39