CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

NORANDA EXPLORATION INC.

SOUTHWEST DISTRICT

PROJECT War Eagle - Gladiator 0845 CO./STATE Az
CONTRACTOR Conners Drilling, Inc
DATE STARTED 7-23-81 DATE COMPLETED 7-31-81
LOGGED BY MDD SCALE 1"=10'

HOLE NO. G-81-5 PAGE 1 OF 9
BEARING 350E INCLINATION -60° TD 451
COORDINATES N-S E-W
ELEV. 6700 SEC. 11 TWP. 10N RANGE 1W
CLAIM NAME Monitor

CORE RECOVERY From	To	Ft.	ROCK UNIT	ALTERATION	MINERALIZATION	Mineral Estimates py/po	chalco		ASSAYS (ppm) Zn	Ag	As	Au	REMARKS
			0-10' casing										
10	21	9.5	10-15' calcareous mafic tuff, interbedded w/ andesite flows, rtz veins, chert 16-18' calcareous mafic tuff w/ .5-1.0 cm chert boudins (sparse)	12' core broken & oxidized									
				18' minor kink fold									
21	31	10	19'-24' very calcareous, chert-rich andesite tuff w/ locally abund. pyrite & sparse chalcopyrite 24-30' v/fg, slightly calcareous and tuff w/ irrtbd chert, CO_3, pyrite 4cm (minor) qtz 29°		19-24' laminated pyrite assoc/ w/ CO_3 + garnetiferous chl. mud, minor chalco.; more S- where most CO_3 21' - 1cm CO_3 vein 24-30 sparse pyrite along fol-planes; minor 1cm CO_3 veinlets	2 8 1 +r	+r 1 +r 0		290	1.5	4	<.02	
31	41	9.75	30-32' 3" to 6" qtz vein 32-44' calcareous, mg-and tuff w/ abund CO_3/chert irrtbds 1mm - 5cm		30-32' sparse pyrite + chalco in fractures 32-44' tracc pyrite laminated in tuff adjacent to CO_3/chert beds + diss. in CO_3/chert, abund at fold (soft sed origin) hinges; possibly very rare chalco.	1 +r.	+r 0						
41	51	10	44-45' chert w/ 30% CO_3 45-54' calc. and tuff w/ thin (1mm-1cm) chert/carbonate interbeds		44-55 spotty py, chalco in chert/CO_3 45-54' - pyrite w/ rare chalco. in assoc. with CO_3 layers. Pyrite less abund. away from CO_3; where-	2 +r	+r 0		74	1.0	1	<.02	45-55'

NORANDA EXPLORATION INC.

SOUTHWEST DISTRICT

PROJECT _____ CO./STATE _____
CONTRACTOR _____
DATE STARTED _____ DATE COMPLETED _____
LOGGED BY mDD SCALE 1"=10'

HOLE NO. G-81-5 PAGE 2 OF 9
BEARING _____ INCLINATION _____ TD _____
COORDINATES _____ N-S _____ E-W
ELEV. _____ SEC. _____ TWP. _____ RANGE _____
CLAIM NAME _____

CORE RECOVERY From	To	Ft	ROCK UNIT	ALTERATION	MINERALIZATION	Mineral Estimates PY/Pt	chalco		ASSAYS (ppm) Zn	Ag	As	Au	REMARKS
	61	10			50 — chert is present; pyrite localized at contact with CO_3 (50)				≀	≀	≀	≀	
						tr			74	1.0	1	<.02	
61	65	4			60 (40)				66	1.0	1	<.02	
65	71	4	64-65' qtz-CO_3 vein w/ 5% tourmaline 65-72' fg cgl. and tuff well foliated w/ abund <1mm CO_3 veinlets		64-65' pyrite assoc. w/ tour. 65-72' diss. py in vague assoc. w/ CO_3	tr							
71	81	9.5	72-74' calcareous mg. poorly to mod. foliated and flow. 74-92' fg-mg calc. and tuff intbd w/ thin CO_3 beds containing minor chert		70 (33) 72-74' pyrite blebs diss. in and flow. 74-92 very sparse diss pyrite	tr							
81	91	10			80 (51)	tr							
					84-84.5 strong pyrite laminated in 60% carbonate vs 40% tuff (59)	r³							
						tr							
91	101	9.25			90								
			92-93 qtz vein @ 62° CCCS 93-95 med gr. poorly to mod. foliated flow, calcareous 95-110 well fol. fg-mg calc. and tuff			o o							
					95-110 diss py along fol. planes; assoc. with CO_3 (40)	tr							
					100								

NORANDA EXPLORATION INC.

SOUTHWEST DISTRICT

PROJECT _____ CO./STATE _____
CONTRACTOR _____
DATE STARTED _____ DATE COMPLETED _____
LOGGED BY _____ SCALE _____

HOLE NO. G-81-5 PAGE 3 OF 9
BEARING _____ INCLINATION _____ TD _____
COORDINATES _____ N-S _____ E-W
ELEV. _____ SEC. _____ TWP. _____ RANGE _____
CLAIM NAME _____

CORE RECOVERY From	To	Ft.	ROCK UNIT	ALTERATION	MINERALIZATION	Mineral Estimates Py/PO			ASSAYS (ppm) Zn	Ag	As	Au	REMARKS
101	111	10			100 55 108-109' abund biotite in assoc w/pyrite	tr			82	1.0	<1	<.02	
111	121	9.35	110-111' qtz-CO_3 vein 111-134' fg well foliated calc and tuff		110 111-134' sparse pyrite along foliation planes assoc w/ CO_3	2 / tr							
121	131	10	124-128 - 35% CO_3		120 45 50	tr							
131	141	10	134-142 poorly foliated, fine to med grained and flow w/minor qtz; slightly to mod calcareous; minor 1-3 cm CO_3 veins		130 50 134-142	tr							
141	151	9.5	142-151 same as 111-134'		140 55 150	tr							

NORANDA EXPLORATION INC.

SOUTHWEST DISTRICT

PROJECT _____ CO./STATE _____
CONTRACTOR _____
DATE STARTED _____ DATE COMPLETED _____
LOGGED BY _____ SCALE _____

HOLE NO. 6-81-5 PAGE 4 OF 9
BEARING _____ INCLINATION _____ TD _____
COORDINATES _____ N-S _____ E-W
ELEV. _____ SEC. _____ TWP. _____ RANGE _____
CLAIM NAME _____

CORE RECOVERY From	To	Ft.	ROCK UNIT	ALTERATION	MINERALIZATION	Mineral Estimates PY/PO			ASSAYS				REMARKS
	161	9.75	151-212 – med. to fine grained andesite flows, mod. calcareous, poorly foliated interbedded w/ minor tuffs		151-212 very rare pyrite in flows - med. abundant 1-7mm CO_3 veinlets								
161	171	10											
171	181	10	174.5-175.5 non-pyritic fg calc. and tuff										
181	191	10	185-186 same as above										
191	201	10											

150 160 170 180 190 200

80

55

NORANDA EXPLORATION INC.

SOUTHWEST DISTRICT

PROJECT _____ CO./STATE _____
CONTRACTOR _____
DATE STARTED _____ DATE COMPLETED _____
LOGGED BY _____ SCALE _____

HOLE NO. G-81-5 PAGE 5 OF 9
BEARING _____ INCLINATION _____ TD _____
COORDINATES _____ N-S _____ E-W
ELEV. _____ SEC. _____ TWP. _____ RANGE _____
CLAIM NAME _____

CORE RECOVERY From	To	Ft.	ROCK UNIT	ALTERATION	MINERALIZATION	Mineral Estimates py/po			ASSAYS(ppm) Zn	Ag	As	Au	REMARKS
201	211	10			200 202-212 abund CO_3 veinlets								
211	221	9	212-248 – pyritic, calcareous, fine grained, well foliated, andesite tuff intruded by qtz veins at 222 (3"), 226 (2"), 232.5 (1.5"), 236.5 (12")		210 212 – sporic, diss. pyrite with very rare chalco. in plane of foliation, generally aspec. w/ CO_3 40	tr			150	1.5	4	<.02	
221	223	2	220.5–228 garnet-bearing chloritic mud		220 45	2							
223	231	8	226-228 garnet bearing chloritic mud w/ 25% intbd CO_3/chert			0							
231	241	10	232-238 – pyritic calc. tuff		226-228 pyrite + minor chalco. aborms lamellae 230 33 232-238 py. diss along foliation plane	2	tr		240	1.5	21	<.02	
			238-248 pyrite poor calc. and tuff		236.5-237.5 hema. in paper thin cracks in qtz veth 36	0							
241	251		248-349 dominantly fine to med. grained andesite flows w/ significant interbedded calcareous and tuff at bottom of interval		240 65 250	tr							

NORANDA EXPLORATION INC.

SOUTHWEST DISTRICT

PROJECT _____ CO./STATE _____
CONTRACTOR _____
DATE STARTED _____ DATE COMPLETED _____
LOGGED BY _____ SCALE _____

HOLE NO. 1-81-5 PAGE 6 OF 9
BEARING _____ INCLINATION _____ TD _____
COORDINATES _____ N-S _____ E-W
ELEV. _____ SEC. _____ TWP. _____ RANGE _____
CLAIM NAME _____

CORE RECOVERY From	To	Ft.	ROCK UNIT	ALTERATION	MINERALIZATION	Mineral Estimates Py/Po			ASSAYS				REMARKS
			248-349 - cont. → sequence										
251	261	9.5	intruded by sparse qtz veins 248-250.5 - mg and flow, poorly foliated, strongly calcareous 250.5-255 - calc and tuff 255-257 - fine grained, slightly foliated, strong calc. and flow? 257-260 - well foliated calc. and tuff w/ 1" qtz veins at 255.5 + 259	250	60								
261	271	10.5	260-264' - and flow?, calcareous, brecciated, especially at top + bottom, slightly fol., fine grained, maybe a fragmental 264-266 - well fol. tfs, calc. and tuff 266-287 v fg calcareous andesite flow? or tuff? intervals up to 4" mod.	260	60 260-264. abund. calcite stringers 1-4 mm 46								Footage marked on box doesn't correspond to footage on blocks
271	274	1	foliated w/ CO_3 parallel to foliation; 50% is not obviously foliated to poorly foliated w/ very abund. calcite stringers 1-2 mm	270									
274	281	8			279 - pyrite assoc. w/ CO_3	+r							
281	291	9.5		280									
			287-291 - fg to mg, slightly calcareous, poorly foliated and flow										
291	301	9.5	291-293.5 - mod. calc. fg to mg, mod foliated and tuff 293.5-296.5 qtz-calcite vein 296.5-308.5 mg, non-fol., slightly calcareous, mod. flow intruded by qtz-calcite vein	290 300	58 293.5-296.5 sparse pyrite along vein borders	-1- +r							

NORANDA EXPLORATION INC.

SOUTHWEST DISTRICT

PROJECT _____ CO./STATE _____
CONTRACTOR _____
DATE STARTED _____ DATE COMPLETED _____
LOGGED BY _____ SCALE _____

HOLE NO. 6-81-5 PAGE 7 OF 9
BEARING _____ INCLINATION _____ TD _____
COORDINATES _____ N-S _____ E-W
ELEV. _____ SEC. _____ TWP. _____ RANGE _____
CLAIM NAME _____

CORE RECOVERY From	To	Ft.	ROCK UNIT	ALTERATION	MINERALIZATION	Mineral Estimates PY/PO			ASSAYS				REMARKS
301	311	9.5	304-305 calcite qtz vein 308.5-325.5 fg to mg. mod. calcareous, well to mod. foliated, sparsely pyritic, and tuff 310' - 2" qtz vein	300 310	304-305 pyrite pods 308.5-325.5 rare diss pyrite, locally important in assoc. w/ CO_3 - abund. CO_3 as bedded? calcite + as 1mm. stringers 63	1 tr							
311	321	9.5		320	63								
321	331	9	325.5-330' med grained, mod. foliated, locally calcareous and tuff		66 325.5-330' pyrite blebs, elongated parallel to fol. + in minor fractures 57	1							
331	341	9.75	330-349' - vf to fine grained, locally calcareous tuff (andesite), 1-2cm calcite beds rare, moderately abundant calcite stringers, foliation fair to mod. developed, abundant chlorite	330	50	tr							
341	351	10.25		340	72								
			349-355 - on next page	350	75	4							

NORANDA EXPLORATION INC.

SOUTHWEST DISTRICT

PROJECT _____ CO./STATE _____
CONTRACTOR _____
DATE STARTED _____ DATE COMPLETED _____
LOGGED BY _____ SCALE _____

HOLE NO. L-81-5 PAGE 8 OF 9
BEARING _____ INCLINATION _____ TD _____
COORDINATES _____ N-S _____ E-W
ELEV. _____ SEC. _____ TWP. _____ RANGE _____
CLAIM NAME _____

CORE RECOVERY From	To	Ft.	ROCK UNIT	ALTERATION	MINERALIZATION	Mineral Estimates PY/PO	Chalco		ASSAYS (ppm) Zn	Ag	As	Au	REMARKS
351	361	10	349-355 - very thinly laminated, well foliated, mostly calcareous siltite		350 349-355 - diss. py, generally more abund. near most. CO_3	1			170	2.0	65	<.02	
			355-359 - first appearance of chert boudins in pyritic, vrg biotite-bearing, mudstone, probably significant tuffaceous material			1-2							
361	371	10			360	0			110	1.0	6	<.02	
			359-430.5 - pyritic carb-aceous mudstone (cms) w/ abund. chert; intruded - big latite dikes		bedding 362-364 - thinly laminated pyrite (beaded) in cms. 364-365 laminated pyrite	5-7 / 2 / 5-7			2000	3.0	59	0.02	
			359-362 - fg latite dike										
			362-364 cherty, pyritic thinly laminated cms, garnet-bearing where chert absent, rare CO_3; soft-sed. deformation structures						63	1.0	3	<.02	
371	381	9.5			370	0			52	1.0	14	<.02	
			364-365 CO_3 facies it.										
			365-367 - same as 362-364										
			367-377.5 - latite dike w/ 4" of bxa. cherty cms at 375'										
			377.5-380 CO_3 facies		377.5-380 laminated r. diss. pyrite with much carbonate	1			81	1.0	8	<.02	379 polish slab
381	391	9.75	380-381 latite dike		380	0							381 " "
			381-383 CO_3 facies - 80% CO_3 in cms, minor biotite		381-383 pyrite pods, locally abund. + diss	tr-1							
			383-386.5 cherty pelites: biotite bearing, locally calcareous, vrg, thinly laminated, siliceous near bottom of interval			0			160	2.0	330	<.02	
			386.5-394.5 pyritic, chloritic cms w/ abund. 1-3 cm chert/CO_3 beds; garnet bearing where chlorite abundant - chert absent		386.5-394.5 pyrrhotite/pyrite laminated in cms				770	2.0	140	<.02	
391	401	10			390	3-5	tr		1100	2.5	1100	<.02	
			394.5-395.5 latite dike										
			395.5-407 pyritic, cherty cms, w/ 15% chert, 1% CO_3, occasional chlorite w/ garnet	397' - 6" interval w/ CO_3 filled tension fractures assoc. w/ 1-3mm chl-CO_3 veln	395.5-407 pyrite w/ minor pyrrhotite as lamellae in cms; clots around contorted beds which wrap around chert boudins; <1mm veinlets	0	0		2100	2.0	91	0.02	
					400	5-8	tr		530	2.5	200	0.02	

NORANDA EXPLORATION INC.

SOUTHWEST DISTRICT

PROJECT _____ CO./STATE _____
CONTRACTOR _____
DATE STARTED _____ DATE COMPLETED _____
LOGGED BY _____ SCALE _____

HOLE NO. G-81-5 PAGE 9 OF 9
BEARING _____ INCLINATION _____ TD _____
COORDINATES _____ N-S _____ E-W
ELEV. _____ SEC. _____ TWP. _____ RANGE _____
CLAIM NAME _____

CORE RECOVERY From	To	Ft.	ROCK UNIT	ALTERATION	MINERALIZATION	Mineral Estimates Py/Po	Chalco		ASSAYS (ppm) Zn	Ag	As	Au	REMARKS
401	406	4		403-406 bedding slumped to form sed bxa	min description on preceeding pg	5-8	tr		310	2.0	1700	0.02	
406	411	6	407-417 - pyritic, chloritic cms; differentiated from previous interval by thinner & more even or parallel laminations, otherwise extremely similar; chert and carbonate generally occur together in bandings 1-3cm wide, pyrite in abundance associated w/ CO_3-chert 417-418.5 + very fine grained very calcareous, blot-muscovite schist ? CO_3 facies? graphite?						670	2.0	69	<.02	
411	421	9.5				3-5			880	2.5	1800	<.02	
					3" in center of interval of cms 10-15% pyrrh.	0			510	2.0	60	0.02	417.5 T-sec + polish
421	431	10	418.5-430.5 same as 407-417 gradational contact w/ next interval over 2-3"		418.5-430.5 same as 407-417				870	2.5	180	<.02	
						3-5	tr		1300	3.0	37	0.02	
									1300	3.0	39	<.02	
431	441	9.0	430.5 = EOH. CO_3 facies iron formation w/ abundant pyrite + CO_3,		430.5-450.5 very rare disc. py				83	1.5	21	<.02	
						tr			95	1.5	7	<.02	441-EOH boxes not marked, top of last box turned around, don't know which way is up, can't match core up

9.5 ft to EOH blank

419-430.5 minor chlorite?

450.5 EOH

1100 Simms Street
Lakewood, Colorado
Phone (303) 233-8155

Mailing Address:
1100 Simms Street
Golden, Colorado 80401

GEOLABS

A DIVISION OF

NATURAL RESOURCES LABORATORY, INC.

September 21, 1981

Job: 1J06

M. Donnelly
Noranda Exploration, Inc.
2601 North 1st Avenue
P.O. Box 50326
Tuscon, Arizona 85703

Master Control #
D08167
Project # 0845

REPORT OF ANALYSES

Sample pulp	Cu, ppm	Pb, ppm	Zn, ppm	Ag, ppm	As, ppm	Au, ppm
81T02001	130	5	290	1.5	4	<0.02
02	82	<5	74	1.0	1	<0.02
03	100	<5	66	1.0	1	<0.02
04	80	<5	82	1.0	<1	<0.02
05	94	<5	150	1.5	4	<0.02
06	130	<5	240	1.5	21	<0.02
07	84	5	170	2.0	65	<0.02
08	230	35	2000	3.0	59	0.02
09	19	5	81	1.0	8	<0.02
10	68	5	160	2.0	330	<0.02
11	100	10	770	2.0	140	0.02
12	120	10	1100	2.5	1100	<0.02
13	140	10	530	2.5	200	0.02
14	130	5	310	2.0	1700	0.02
15	100	20	670	2.0	69	<0.02
16	140	35	880	2.5	1800	<0.02
17	110	45	870	2.5	180	<0.02
18	150	55	1300	3.0	37	0.02
19	140	45	1300	3.0	39	<0.02
20	74	<5	83	1.5	21	<0.02
21	55	<5	95	1.5	7	<0.02

Carol Kleckner
Carol Kleckner

cc: D. Vitale
P. Young

ANALYTICAL SERVICES AND RESEARCH

50

1100 Simms Street
Lakewood, Colorado
Phone (303) 233-8155

GEOLABS

A DIVISION OF

NATURAL RESOURCES LABORATORY, INC.

Mailing Address:
1100 Simms Street
Golden, Colorado 80401

October 9, 1981

Job: 1J41

M. Donnelly
Noranda Exploration, Inc.
2601 North 1st Avenue
P.O. Box 50326
Tuscon, Arizona 85703

Master Control Number
002705
D09126
Project Number 0845

REPORT OF ANALYSES

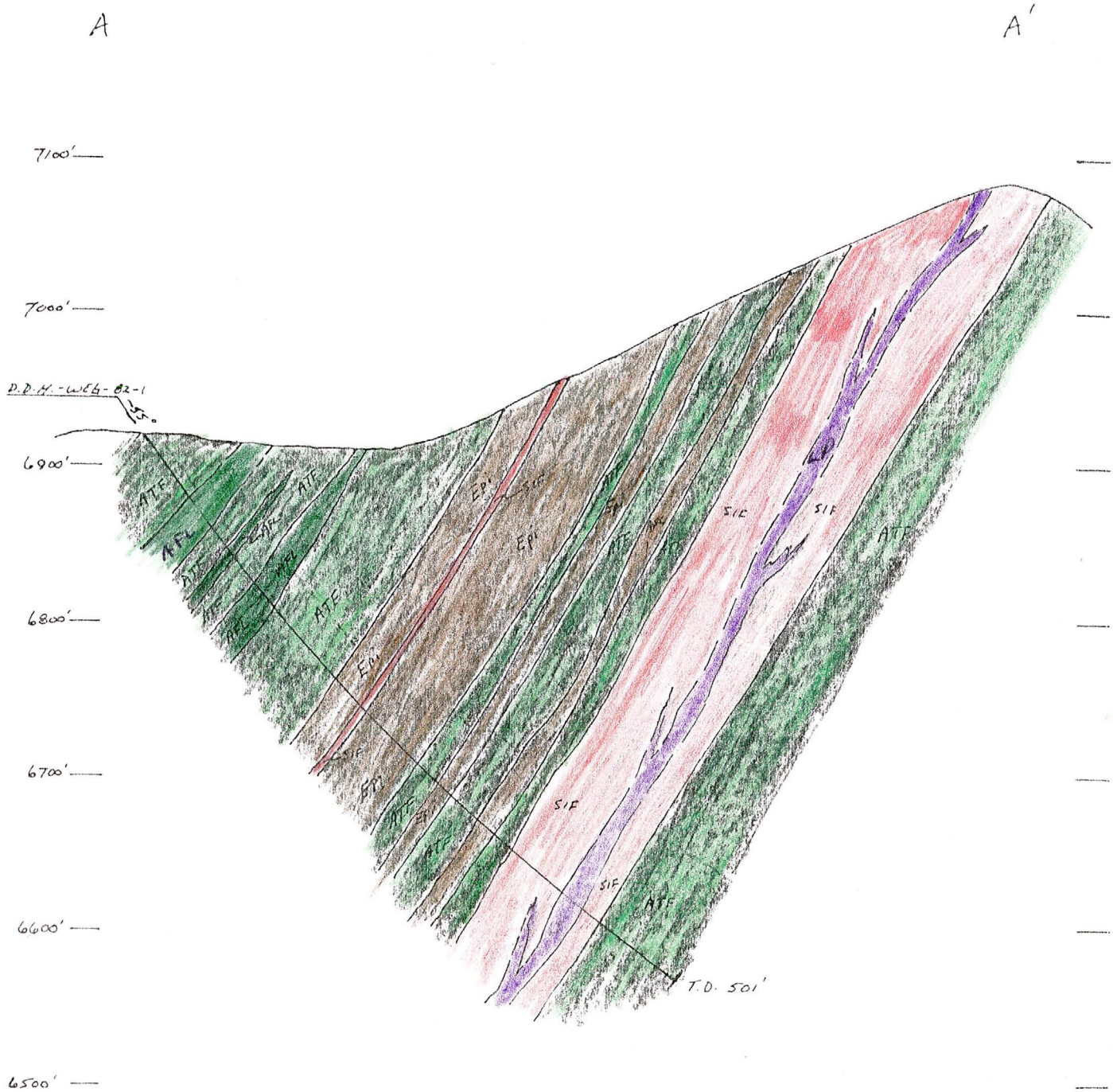
Sample pulp	Cu, ppm	Pb, ppm	Zn, ppm	Ag, ppm	As, ppm	Au, ppm
81T01609	95	30	510	2.0	60	0.02
2022	19	10	110	1.0	6	<0.02
2023	21	200	63	1.0	3	<0.02
2024	18	15	52	1.0	14	<0.02
2025	21	65	2100	2.0	91	0.02

1-8-5

Carol Kleckner
Carol Kleckner

cc: D. Vitale
P. Young

ANALYTICAL SERVICES AND RESEARCH

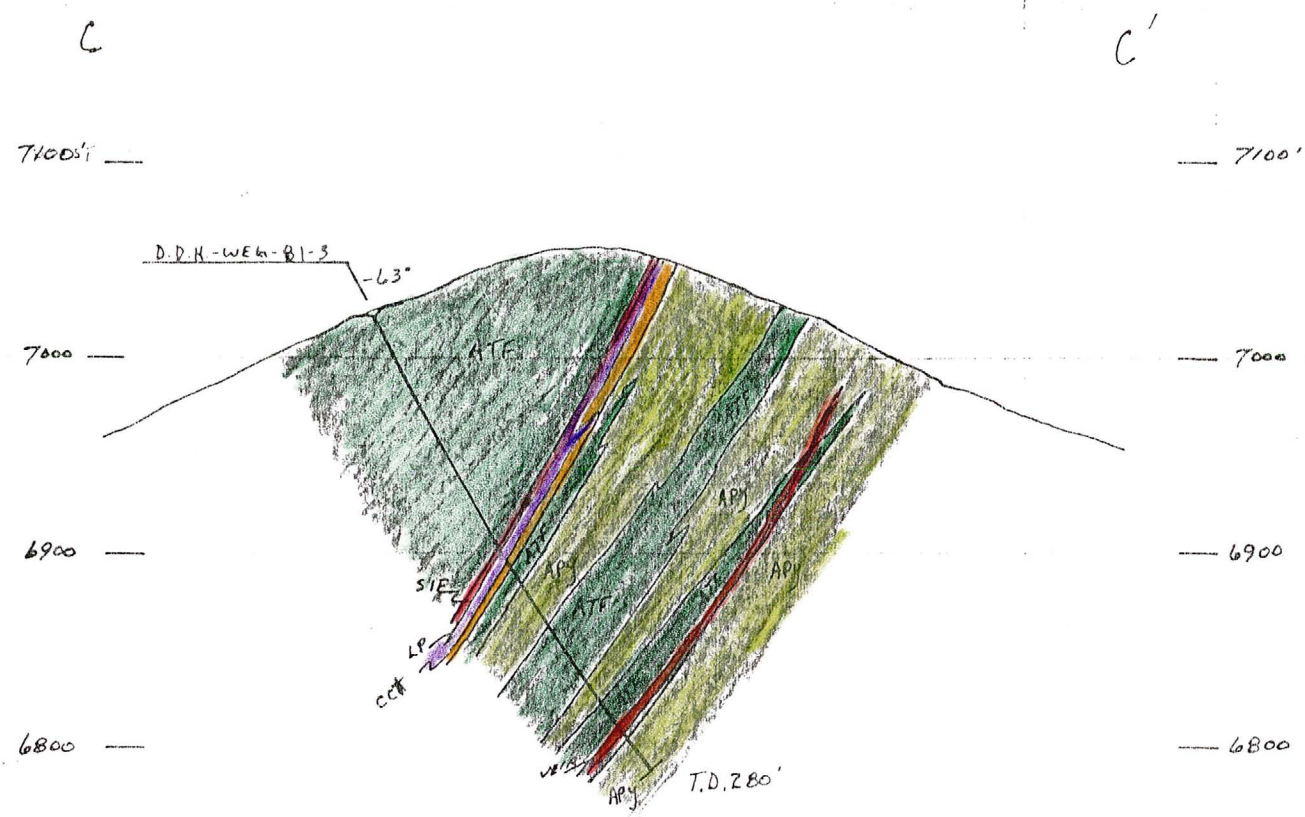


LP — Latite Porphyry
AFL — Andesite Lava flows
ATF — Andesite tuffs And pyroclastics locally calcareous
EPI — Fine grained volcanic sediments
SIF — Sulfide facies iron formation

Diagrammatic CROSS SECTION A-A' showing D.D.H.-WEG-81-1

1" = 100'

WAR Eagle / Gladiator 084ST
Yavapai County, Arizona
M.E.D, MDO JANUARY, 1982



Latite Porphyry

AFL Andesite Lava flows

Fine-grained Andesite tuffs and pyroclastics

Andesite Lapilli tuffs

chert

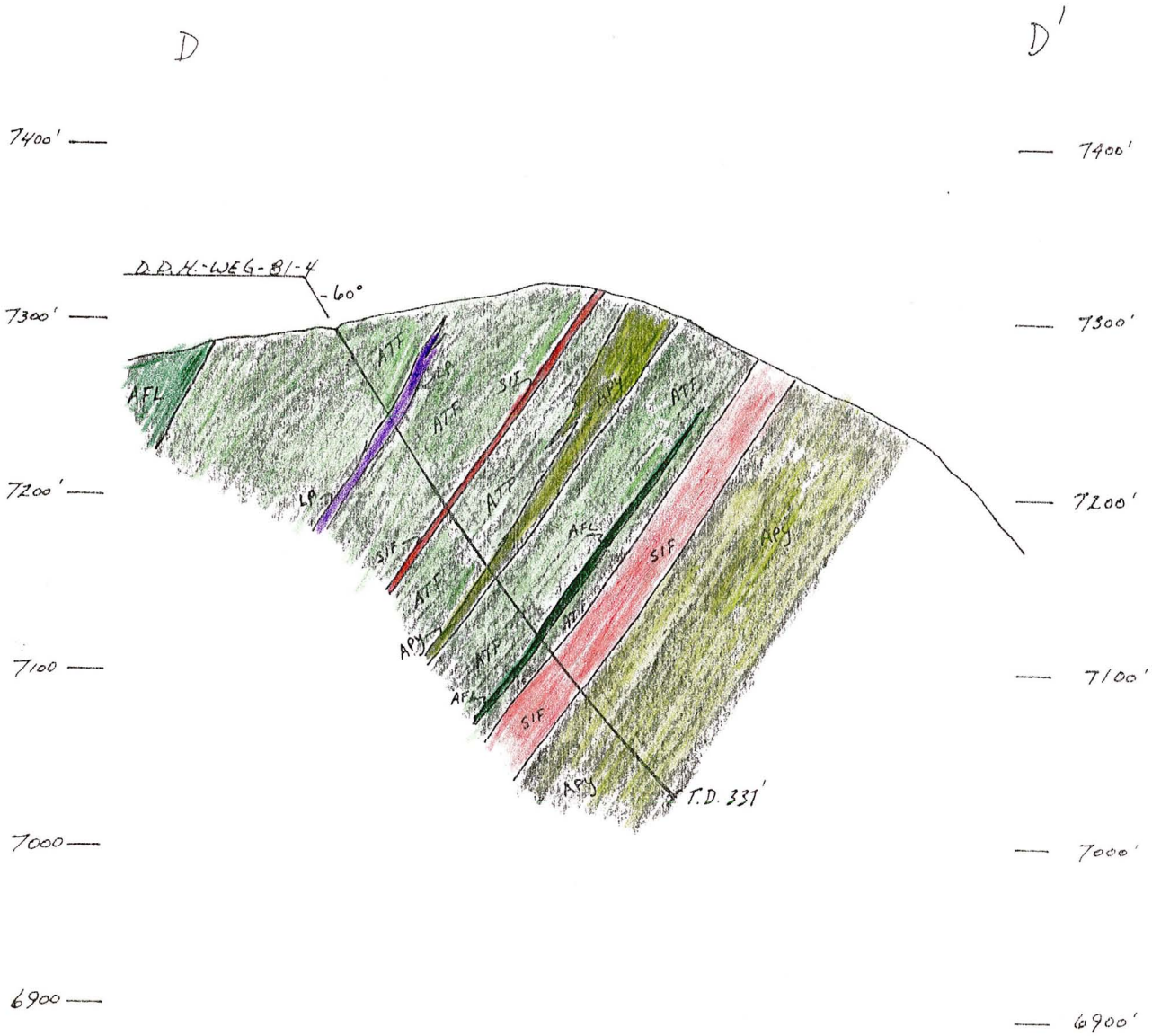
sulfide facies iron formation

qtz-carbonate-pyrite-sphalerite-galena vein

Diagrammatic Cross Section C-C' showing
D.D.H.-WEG-81-3

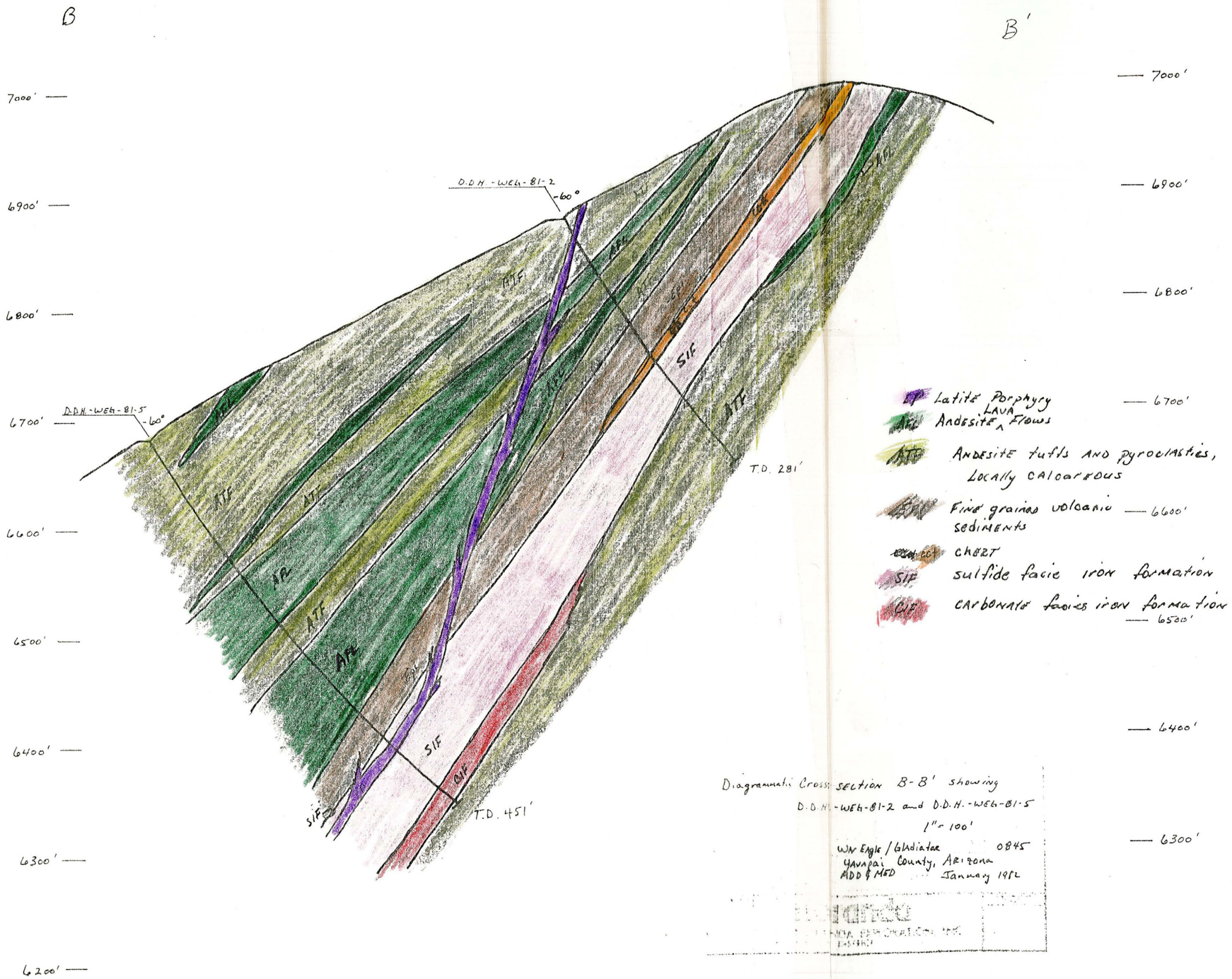
1" = 100'

War Eagle/Gladiator #0845
Yavapai County, Arizona
MDD, AIED January 1982



LP — Latite Porphyry
AFL — Andesite Lava flows
ATF — Fine-grained andesite tuffs
APY — Andesite lapilli tuffs
SIF — Sulfide facies iron formation

Diagrammatic
A Cross section D-D'
Showing D.D.H.-WEG-81-4
1" = 100'
War Eagle/Gladiator #0845
Yavapai County, Arizona
MOD-MED January 1982



Diagrammatic Cross Section B-B' showing
D.D.H.-WEG-81-2 and D.D.H.-WEG-81-5
1" = 100'
WN Eagle / Gladiator 0845
Yavapai County, Arizona
ADD & MED January 1982

GLADIATOR MINE FILE

EXPLANATION

METASEDIMENTARY AND METAVOLCANIC ROCKS

INTRUSIVE ROCKS

CRETACEOUS

CROWN KING GRANODIORITE – Medium-grained, hypidiomorphic-granular, granodiorite with plagioclase, orthoclase and quartz as essential minerals; biotite, hornblende and sphene are common accessory minerals.

LATITE AND QUARTZ LATITE – These light-colored dikes are fine to medium-grained with phenocrysts of plagioclase, hornblende and K-feldspar set in an aphanitic groundmass of quartz and feldspar. The dikes are locally pyrite-bearing and are generally oriented subparallel to foliation.

UNCONFORMITY

CRAZY BASIN QUARTZ MONZONITE – Coarse-grained with conspicuous pink microcline, white plagioclase laths and quartz, with biotite as the chief accessory mineral.

GABBRO – Dark green rocks composed of hornblende and plagioclase. Gabbro is distinguished from andesite and basalt flows by lack of foliation, gabbroic texture, and circular or elliptical outcrop pattern.

PROTEROZOIC

Texas Gulch Formation

TGV – Rhyolite tuff, lapilli-tuff and interbedded arkosic sandstones

TGS – Weakly foliated, fine grained greywackes and argillaceous greywackes.

TGP – Pelitic sediments. Rocks have been metamorphosed to silver-grey, quartz-muscovite schist.

TGU – Undivided Texas Gulch Formation where poor exposures make distinction between units impossible.

UNCONFORMITY

Iron King Volcanics

ANDESITE FLOWS – Massive (AFL) and sometimes pillowed (APL) flows are medium to coarse-grained, poorly to weakly foliated, and composed of hornblende and plagioclase with accessory quartz. Massive outcrop morphology helps distinguish flows from tuffs.

ANDESITE TUFFS – Moderately to well foliated, dark green, fine grained pyroclastics, composed of tremolite-actinolite and hornblende with accessory quartz, plagioclase and epidote. Carbonate is locally abundant. Tuffs are distiguished from andesite flows by well developed foliation, fine grain size and lack of relict sub-aphitic texture.

UNDIFFERENTIATED VOLCANIC SEDIMENTS – Reworked tuffaceous material interbedded with quartz-eye rhyolite tuff and ferriginous chert.

COMPOSITIONALLY BANDED ANDESITE PYROCLASTIC UNIT – Lapilli-tuffs interbedded with tuff and rare tuff-breccias. Mineralogically, the tuffs consist of tremolite-actinolite, calcite, minor epidote and thin white bands of very fine grained quartz and plagioclase.

FELSIC VOLCANIC UNIT – Well-foliated to massive rhyolite pyroclastic rocks ranging from cherty, fine-grained tuffs to tuff-breccias. Tuffs grade into thicker, coarser grained units northward.

GOLD KING UNIT – Heterolithic debris flows interbedded with magnetite-bearing chert, chloritic muds and rhyolite tuffs. The Gold King is transitional between the Peck Canyon iron formation and felsic tuffs

BANDED IRON FORMATION

Sulfide Facies – Pyritic, carbonaceous mudstone interbedded with thin chert beds and chloritic mudstone (SIF). Locally abundant hematitic chert (SCF). Sulfidic iron formation is thinly bedded to laminated and soft sediment deformation textures are common.

Carbonate Facies – Medium-grained, thinly bedded unit composed of calcite, quartz, biotite and muscovite with accessory ankerite and siderite.

Oxide Facies – Hematitic banded chert, locally magnetite-bearing. Barren chert is indicated by diagonal lines.

Calcareous Chert – White to buff colored chert with abundant orange-brown carbonate lamellae. Locally this unit contains up to 10% carbonate.

UNCONFORMITY

Spud Mtn. Volcanics

PELITIC SEDIMENTS – An intertongueing sequence of magnetite-bearing siltites, garnetiferous, chloric mudstone, minor shales, rare mafic flows and magnetite-bearing chert.

- Strike and dip of foliation
- Trend of lineation lying in plane of foliation
- Strike of vertical foliation
- Strike and dip of bedding
- Axial trend of small anticline, syncline
- Axial trend of folds too small to plot individually
- Contact, dashed where approximately located, dotted where inferred
- Fault, dashed where approximately located

N

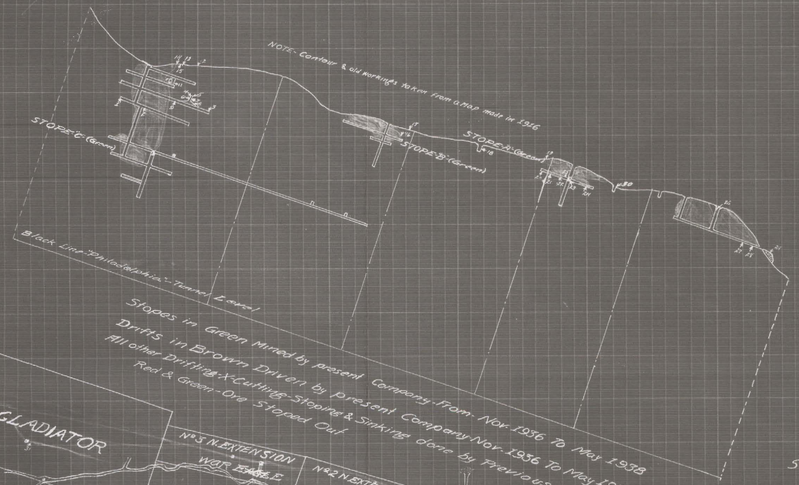
0 400 800 feet

1" = 400'

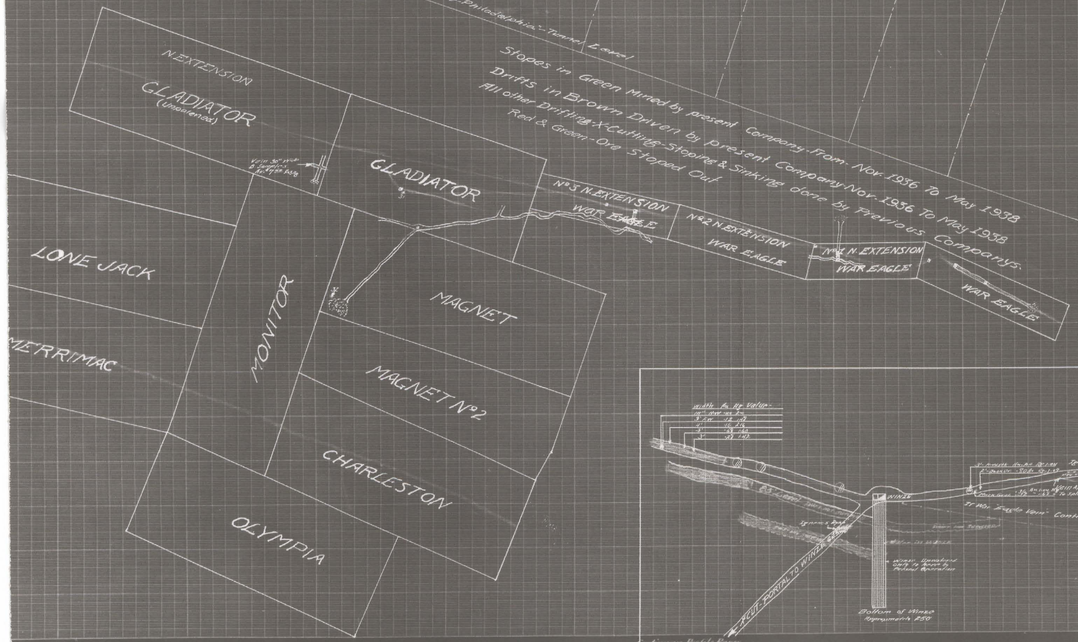
REVISED	Geologic Map of the War Eagle-Gladiator Property
	PROJECT : War Eagle-Gladiator NO. 0845
	LOCATION : YAVAPAI COUNTY, ARIZONA
	DATA BY : M. DENNIS, T. CONNELLY DATE: DECEMBER 7, 1981
	DRAWN BY : J. R. CONTRERAS
PLATE I	noranda NORANDA EXPLORATION, INC. TUCSON DISTRICT — INDEX

GLADIATOR MINING CO.

Cross Section & Claim Map
With Assays
SCALE 1" = 400'
Anthony Bennett
May 1938



N

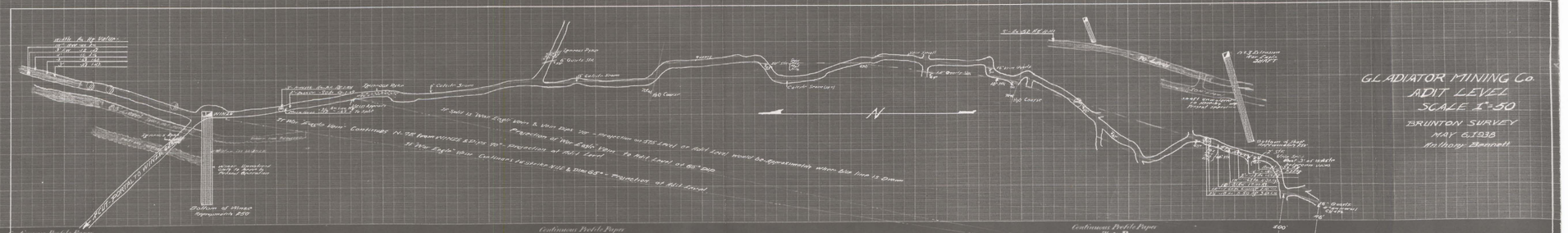


ASSAYS

No	Description	Ag	Au	Value
1	[illegible]	[illegible]	[illegible]	
2	[illegible]	[illegible]	[illegible]	
3	[illegible]	[illegible]	[illegible]	
4	[illegible]	[illegible]	[illegible]	
5	[illegible]	[illegible]	[illegible]	
6	[illegible]	[illegible]	[illegible]	
7	[illegible]	[illegible]	[illegible]	
8	[illegible]	[illegible]	[illegible]	
9	[illegible]	[illegible]	[illegible]	
10	[illegible]	[illegible]	[illegible]	
11	[illegible]	[illegible]	[illegible]	
12	[illegible]	[illegible]	[illegible]	
13	[illegible]	[illegible]	[illegible]	
14	[illegible]	[illegible]	[illegible]	
15	[illegible]	[illegible]	[illegible]	
16	[illegible]	[illegible]	[illegible]	
17	[illegible]	[illegible]	[illegible]	
18	[illegible]	[illegible]	[illegible]	
19	[illegible]	[illegible]	[illegible]	
20	[illegible]	[illegible]	[illegible]	
21	[illegible]	[illegible]	[illegible]	
22	[illegible]	[illegible]	[illegible]	
23	[illegible]	[illegible]	[illegible]	
24	[illegible]	[illegible]	[illegible]	
25	[illegible]	[illegible]	[illegible]	
26	[illegible]	[illegible]	[illegible]	
27	[illegible]	[illegible]	[illegible]	
28	[illegible]	[illegible]	[illegible]	
29	[illegible]	[illegible]	[illegible]	
30	[illegible]	[illegible]	[illegible]	
31	[illegible]	[illegible]	[illegible]	
32	[illegible]	[illegible]	[illegible]	
33	[illegible]	[illegible]	[illegible]	
34	[illegible]	[illegible]	[illegible]	
35	[illegible]	[illegible]	[illegible]	
36	[illegible]	[illegible]	[illegible]	
37	[illegible]	[illegible]	[illegible]	
38	[illegible]	[illegible]	[illegible]	
39	[illegible]	[illegible]	[illegible]	
40	[illegible]	[illegible]	[illegible]	
41	[illegible]	[illegible]	[illegible]	
42	[illegible]	[illegible]	[illegible]	
43	[illegible]	[illegible]	[illegible]	
44	[illegible]	[illegible]	[illegible]	
45	[illegible]	[illegible]	[illegible]	
46	[illegible]	[illegible]	[illegible]	
47	[illegible]	[illegible]	[illegible]	
48	[illegible]	[illegible]	[illegible]	
49	[illegible]	[illegible]	[illegible]	
50	[illegible]	[illegible]	[illegible]	
51	[illegible]	[illegible]	[illegible]	
52	[illegible]	[illegible]	[illegible]	
53	[illegible]	[illegible]	[illegible]	
54	[illegible]	[illegible]	[illegible]	
55	[illegible]	[illegible]	[illegible]	
56	[illegible]	[illegible]	[illegible]	
57	[illegible]	[illegible]	[illegible]	
58	[illegible]	[illegible]	[illegible]	
59	[illegible]	[illegible]	[illegible]	
60	[illegible]	[illegible]	[illegible]	
61	[illegible]	[illegible]	[illegible]	
62	[illegible]	[illegible]	[illegible]	
63	[illegible]	[illegible]	[illegible]	
64	[illegible]	[illegible]	[illegible]	
65	[illegible]	[illegible]	[illegible]	
66	[illegible]	[illegible]	[illegible]	
67	[illegible]	[illegible]	[illegible]	
68	[illegible]	[illegible]	[illegible]	
69	[illegible]	[illegible]	[illegible]	
70	[illegible]	[illegible]	[illegible]	
71	[illegible]	[illegible]	[illegible]	
72	[illegible]	[illegible]	[illegible]	
73	[illegible]	[illegible]	[illegible]	
74	[illegible]	[illegible]	[illegible]	
75	[illegible]	[illegible]	[illegible]	
76	[illegible]	[illegible]	[illegible]	
77	[illegible]	[illegible]	[illegible]	
78	[illegible]	[illegible]	[illegible]	
79	[illegible]	[illegible]	[illegible]	
80	[illegible]	[illegible]	[illegible]	
81	[illegible]	[illegible]	[illegible]	
82	[illegible]	[illegible]	[illegible]	
83	[illegible]	[illegible]	[illegible]	
84	[illegible]	[illegible]	[illegible]	
85	[illegible]	[illegible]	[illegible]	
86	[illegible]	[illegible]	[illegible]	
87	[illegible]	[illegible]	[illegible]	
88	[illegible]	[illegible]	[illegible]	
89	[illegible]	[illegible]	[illegible]	
90	[illegible]	[illegible]	[illegible]	
91	[illegible]	[illegible]	[illegible]	
92	[illegible]	[illegible]	[illegible]	
93	[illegible]	[illegible]	[illegible]	
94	[illegible]	[illegible]	[illegible]	
95	[illegible]	[illegible]	[illegible]	
96	[illegible]	[illegible]	[illegible]	
97	[illegible]	[illegible]	[illegible]	
98	[illegible]	[illegible]	[illegible]	
99	[illegible]	[illegible]	[illegible]	
100	[illegible]	[illegible]	[illegible]	

STOPE-A-Green- Produced 436 Tons Ore Assaying Ag. 1.6 Au. 0.073
" B- " " 2350 " " " " .08 .030
" C- " " 3154 " " " " .065 .068

NOTE - Stope Tonnage & Assays
Based on SMELTOR Returns


Bottom of Winze
Approximately 150'
Winze
Ground Plan
Cross Section
Ground Plan
Cut-in Sump
Ground Plan
Cut-in Sump
Stope
Cut-in Sump
Cut-in Sump
Cut-in Sump