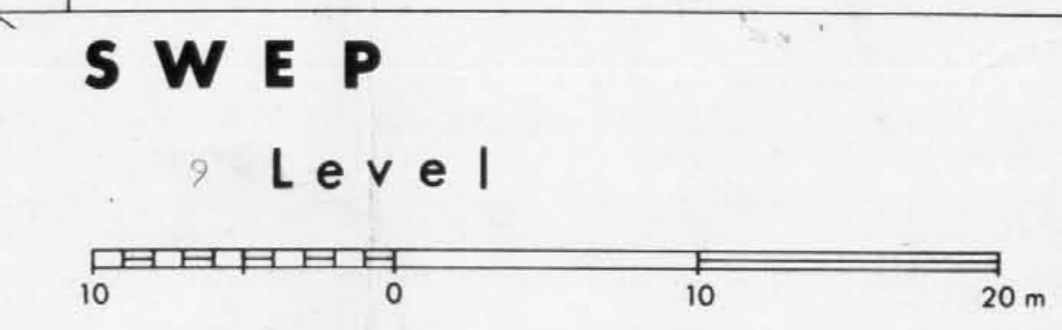


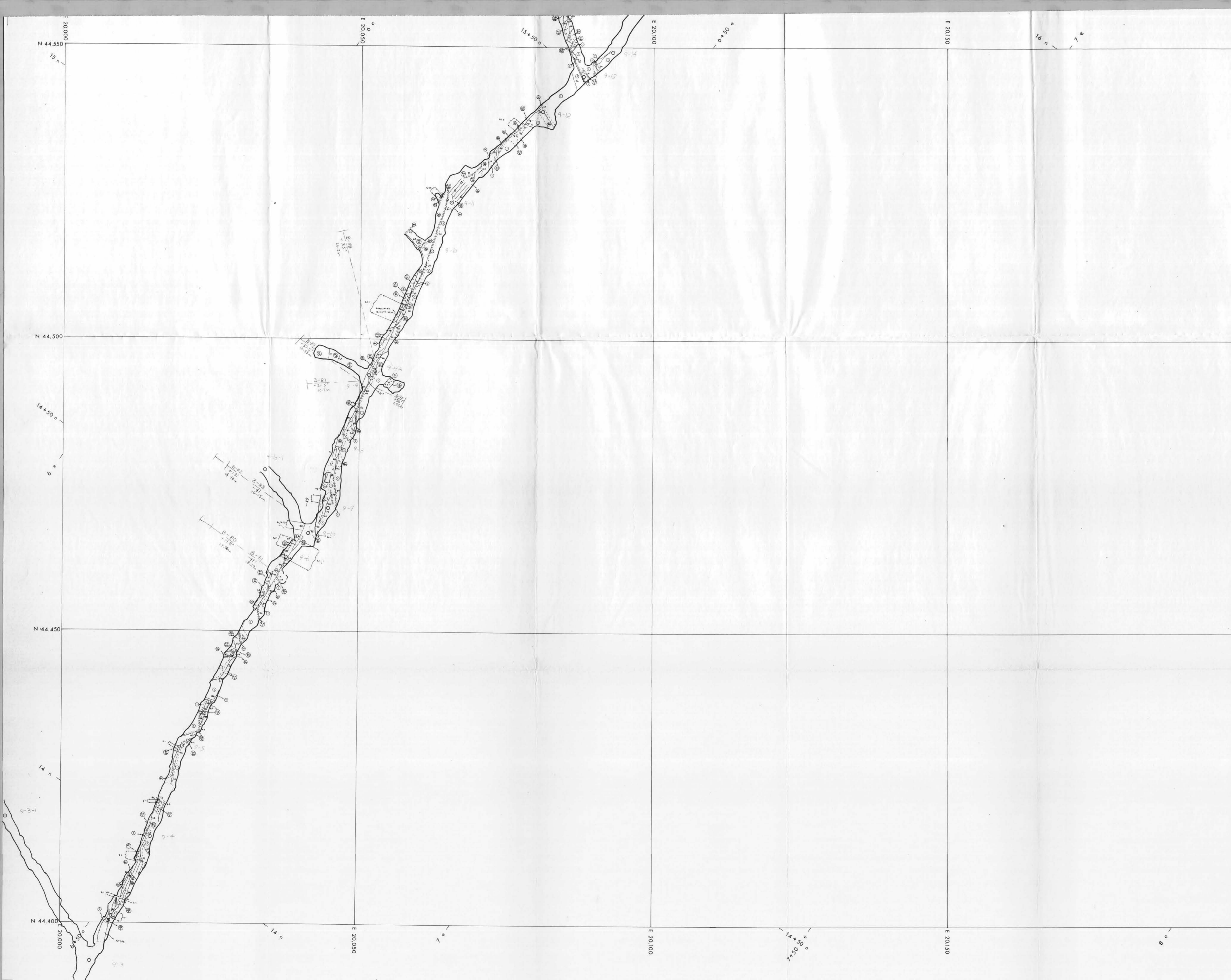


QUARTZ VEIN IN DIRECTION	+	> 20%a
HEAVY DIRECTION	+	5-20%a
DIRT DIP DIRECTION	+	PRITE
UTHERIC L. CORRECTION	+	CHALCOPRITE
UNIT OF ALTERATION	+	MALACHITE
MECCA	+	HAISE
SULFIDES, TRACI	+	ROUND TIMBER
QUARTZ EMPREGGIA	+	SQUARE TIMBER
ALUNA	+	LAGGING
SPHERULITE	+	
ETANEDURITE	+	
NATIVE SULFIDES	+	
GRANITE OF FELDSPAR PORPHYRY		
PROPLITIC		
WEAK CHLORITIC ALTERATION		
MODERATE CHLORITIC ALTERATION		
STRONG CHLORITIC ALTERATION		
MODERATE EPIDOTE ALTERATION		
STRONG EPIDOTE ALTERATION		
ARGILLIC		
WEAK ARGILLIC ALTERATION		
MODERATE ARGILLIC ALTERATION		
STRONG ARGILLIC ALTERATION		
SILICATION		
HEMATITE		
APLITE		
DABASE		
DABASE		
PARAGNEISS		

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ARL01-7  
Arlington  
Geology  
SHEET  
44400/20000



	QUARTZ VEIN, DIP DIRECTION		20%
	STREAM, DIP DIRECTION		5-10%
	FAULT, DIP DIRECTION		FAULT
	LITHOLOGICAL CONTACT		CHALCOPYRITE
	LIMIT OF ALTERATION		MALACHITE
	BRECCIA		RAISE
	SULFIDES, TRACE		ROUND TIMBER
	QUARTZ BRECCIA		SQUARE TIMBER
	MALENA		LASSING
	SMALERVILLE		
	TETRAHEDRITE		
	NATIVE SILVER		

	1	QUARTZ-K-FELDSPAR PORPHYRY medium grained with very coarse K-feldspar phenocrysts
	2a	PROPYLITIC WEAK CHLORITIC ALTERATION Diagene weakly altered to epidote, chlorite, malachite
	2b	MODERATE CHLORITIC ALTERATION Plagioclase matrix partially totally altered to aggregate of chlorite + epidote (sericite). Malachite mineralized. Original granitic texture partially preserved
	3a	STRONG CHLORITIC ALTERATION all but quartz altered to aggregate of chlorite, epidote + sericite. Chlorite predominant. Original granitic texture destroyed
	3b	MODERATE EPITHERMAL ALTERATION As 2b. Chlorite predominant alteration mineral. Commonly associated with silicification
	3c	STRONG EPITHERMAL ALTERATION As 2c. Epidote is dominant alteration mineral. Commonly associated with silicification
	4a	ARSILIC WEAK ARSILIC ALTERATION
	4b	MODERATE ARSILIC ALTERATION Plagioclase altered to soft white clay + sericite. Malachite to chlorite or pale mica. K-feldspar phenocrysts pink, unaltered. Original granitic texture preserved
	4c	STRONG ARSILIC ALTERATION Plagioclase + malachite altered to soft white aggregate of sericite + clay. K-feldspar altered to dense white to green chloritic texture. Original granitic texture commonly preserved
	5	SILICIFICATION Quartz weakly to strongly silicified. Commonly overprints other alteration. Generally associated with veins, veins in brecciation
	6	PEGMATITE Quartz, K-feldspar, leucocratic dikes
	7	ANATITE 1-10 m grained, microcrystic, quartz/feldspar dikes
	8	DIABASE 1 grained, hornblende, anorthositic dikes
	9	DIABASE 1-10 m grained dikes
	10	PARAGNEISS sericite, 1 grained, hornblende, plagioclase, quartz

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QUARTZ VEIN, DIP DIRECTION	+	> 30%
SHEAR, DIP DIRECTION	+	5-30%
JOINT, DIP DIRECTION	+	
LITHOLOGICAL CONTACT	Q	
LIMIT OF ALTERATION	- - -	
BRECCIA	○	
SULFIDES, TRACE	○	
QUARTZ BRECCIA	□	
GALENA	▨	
SPHALERITE	▨	
TETRAHEDRITE	▨	
NATIVE SILVER	▨	

1	GRANITE B-FELDSPAR PORPHYRY medium grained with very coarse K-feldspar phenocrysts
2a	PROPYLITIC WEAK CHLORITIC ALTERATION plagioclase weakly altered to epidote, chlorite. Matrix unaltered
2b	MODERATE CHLORITIC ALTERATION plagioclase + mafic, partially to totally altered to aggregate of chlorite + epidote (sericite). Matrix unaltered. Original granitic texture partially preserved
2c	STRONG CHLORITIC ALTERATION all but quartz altered to aggregate of chlorite, epidote + sericite. Chlorite predominant. Original granitic texture destroyed
3a	MODERATE EPIDOTE ALTERATION As 2b. Epidote predominant alteration mineral. Commonly associated with silicification
3b	STRONG EPIDOTE ALTERATION As 2c. Epidote predominant alteration mineral. Commonly associated with silicification
4a	WEAK ARSILIC ALTERATION
4b	MODERATE ARSILIC ALTERATION plagioclase altered to soft white clay ± sericite. Matrix to chlorite or pale mica. K-feldspar phenocrysts pink, unaltered. Original granitic texture preserved
4c	STRONG ARSILIC ALTERATION plagioclase + mafic altered to soft white aggregate of sericite ± clay. K-feldspar altered to dark grey or dark chloritic color. Original granitic texture commonly preserved
5	SILICIFICATION Granite weakly to strongly silicified. Commonly overprints other alteration. Generally associated with quartz veins ± blebs
6	PEGMATITE Quartz, K-feldspar, leucocratic dykes
7	APLITE 2 to 4 m. grained, leucocratic, quartz/feldspar dykes
8	DIABASE 1 grained, hornblende gneiss/diabase, dykes
9	DIABASE 4 to 6 m. grained dyke
10	PARAGNEISS sericite, 1 grained; hornblende, plagioclase, quartz

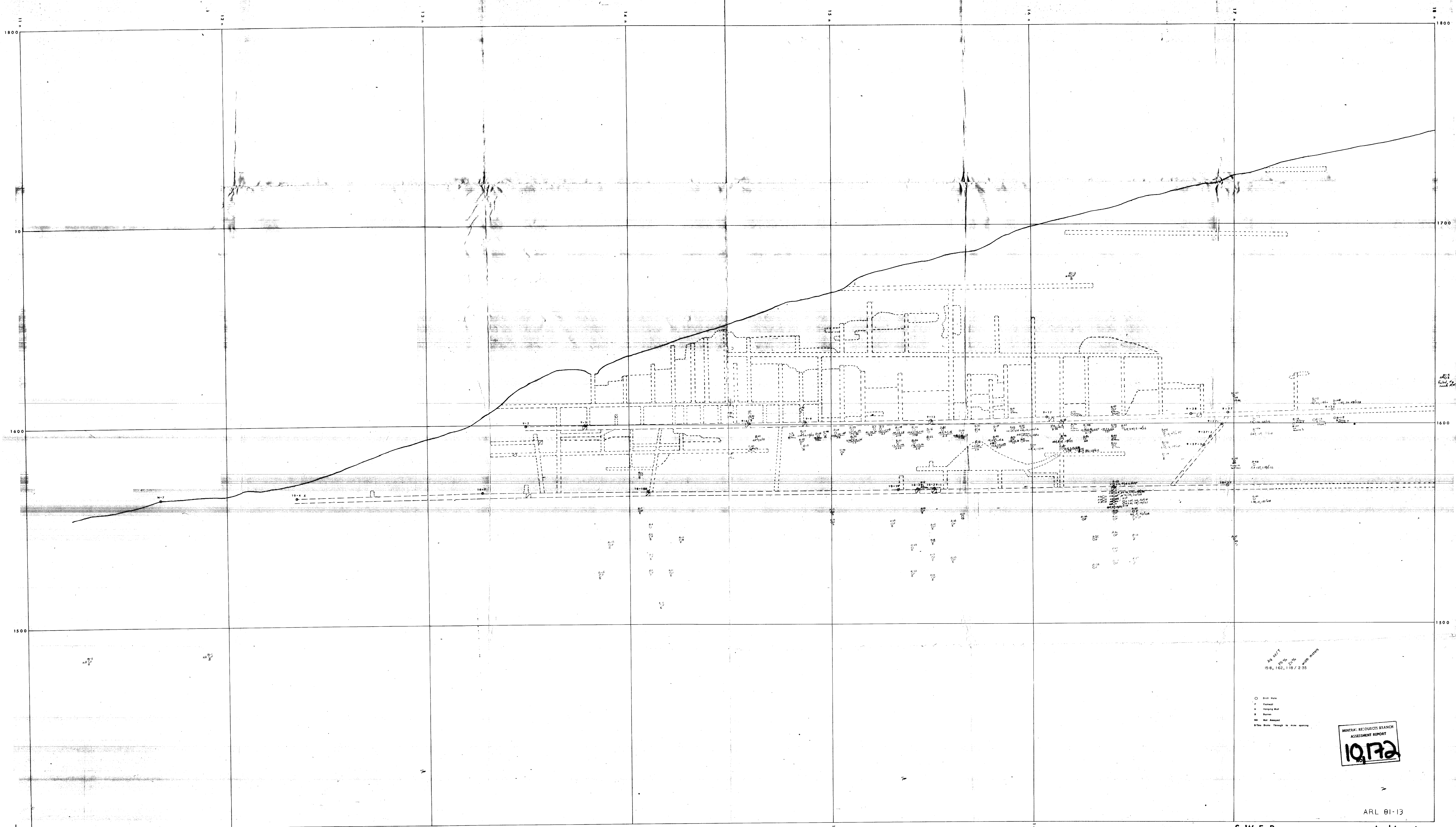
MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**10172**  
RC



- QUARTZ VEIN, DIP DIRECTION
- SHEAR, DIP DIRECTION
- JUNT, DIP DIRECTION
- LITHOLOGICAL CONTACT
- LIMIT OF ALTERATION
- BRECCIA
- SULFIDES, TRACE
- QUARTZ BRECCIA
- SAENA
- SPHALERITE
- TETRAHEDRITE
- NATIVE SILVER

- 1 GRANITE g-Feldspar PORPHYRY medium grained with very coarse K-feldspar phenocrysts
- PROPYLITIC
- 2a WEAK CHLORITIC ALTERATION plagioclase weakly altered to epidote, chlorite. Matrix unaltered
- 2b MODERATE CHLORITIC ALTERATION plagioclase + matrix partially to totally altered to aggregates of chlorite + epidote (E-epidote). Matrix unaltered. Original granitic texture partially preserved
- 2c STRONG CHLORITIC ALTERATION all but quartz altered to aggregates of chlorite, epidote + sericite. Chlorite predominant. Original granitic texture destroyed
- 3a MODERATE EPIDOTE ALTERATION As 2b. Epidote predominant alteration mineral. Commonly associated with silicification
- 3b STRONG EPIDOTE ALTERATION As 2c. Epidote is dominant alteration mineral. Commonly associated with silicification
- ARGILLIC
- 4a WEAK ARGILLIC ALTERATION
- 4b MODERATE ARGILLIC ALTERATION plagioclase altered to soft white clayey S-sericite. Matrix is chlorite or pale mica. K-feldspar phenocrysts pink, unaltered. Original granitic textures preserved
- 4c STRONG ARGILLIC ALTERATION plagioclase + matrix altered to soft white aggregate of sericite + clay. K-feldspar altered to pale grey or dark chloritic color. Original granitic textures commonly preserved
- 5 SILICIFICATION granite weakly to strongly silicified. Commonly overprints other alteration. Generally associated with quartz veining & brecciation
- 6 PEGMATITE Quartz, K-feldspar, Ca-aluminosilicate, Dykes
- 7 APLITE f to m grained, idiomorphic, quartz/feldspar dykes
- 8 DIABASE f grained, hornblende phenocrysts, dykes
- 9 DIABASE f to m grained dyke
- 10 PARAGNEISS medium, f grained; hornblende, plagioclase, quartz

MINERAL RESOURCES BRANCH  
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N.C.

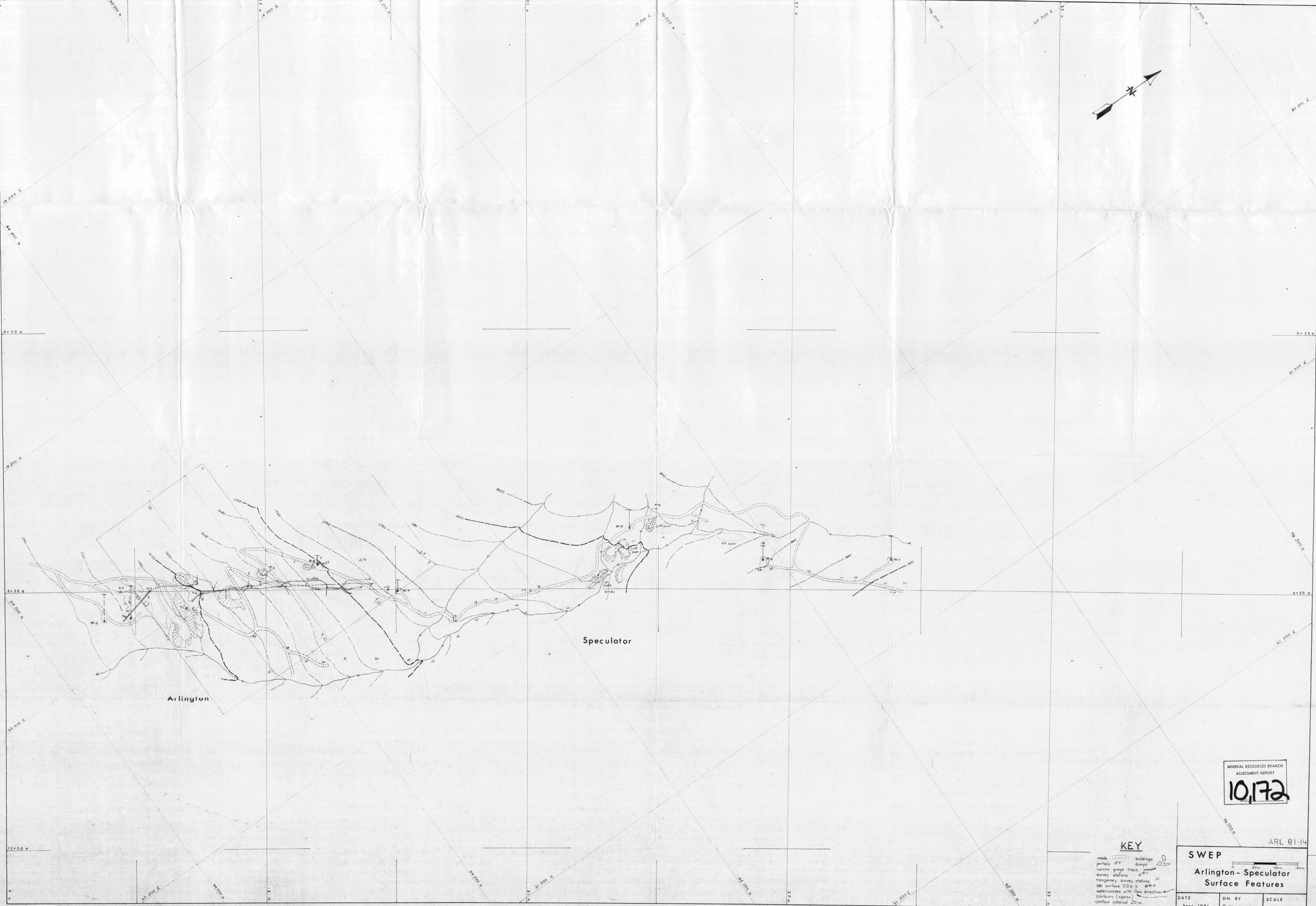
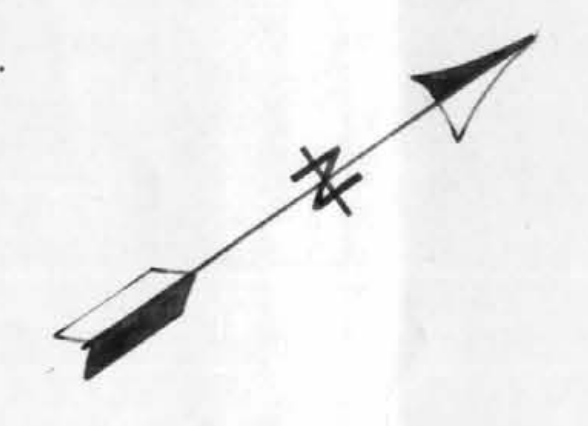


Ag. Duff  
 158, 162, 118 / 235

- Drill Hole
- ▽ Fault
- Mining pit
- Basin
- NA Not Assayed
- ② Data through to this opening

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ARL 81-13



Arlington

Speculator

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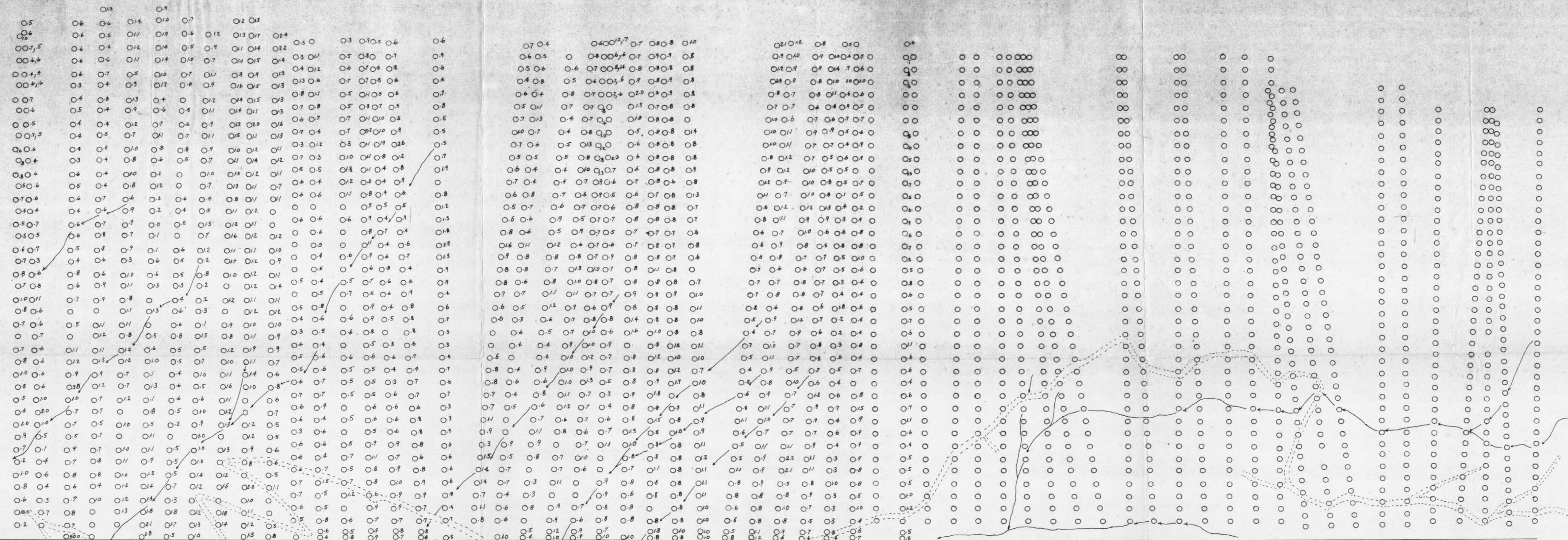
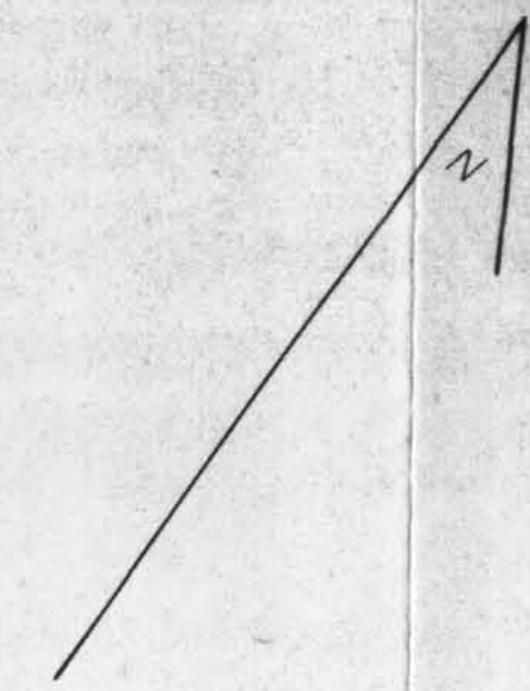
ARL 01-14

**KEY**

- roads
- portals
- narrow gauge track
- survey stations
- temporary survey stations
- 1981 surface DDH's
- watercourses with flow direction
- contours (approx)
- contour interval 20 m.
- buildings
- dumps

**SWEP**  
Arlington - Speculator  
Surface Features

DATE	DN BY	SCALE
Sept. 1981	G. Wetmore	1:2500



— 0750 E  
 — 2750 E  
 — 3750 E  
 — 5700 E  
 — 6750 E

MINERAL RESOURCES BRANCH  
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ARL 91-16

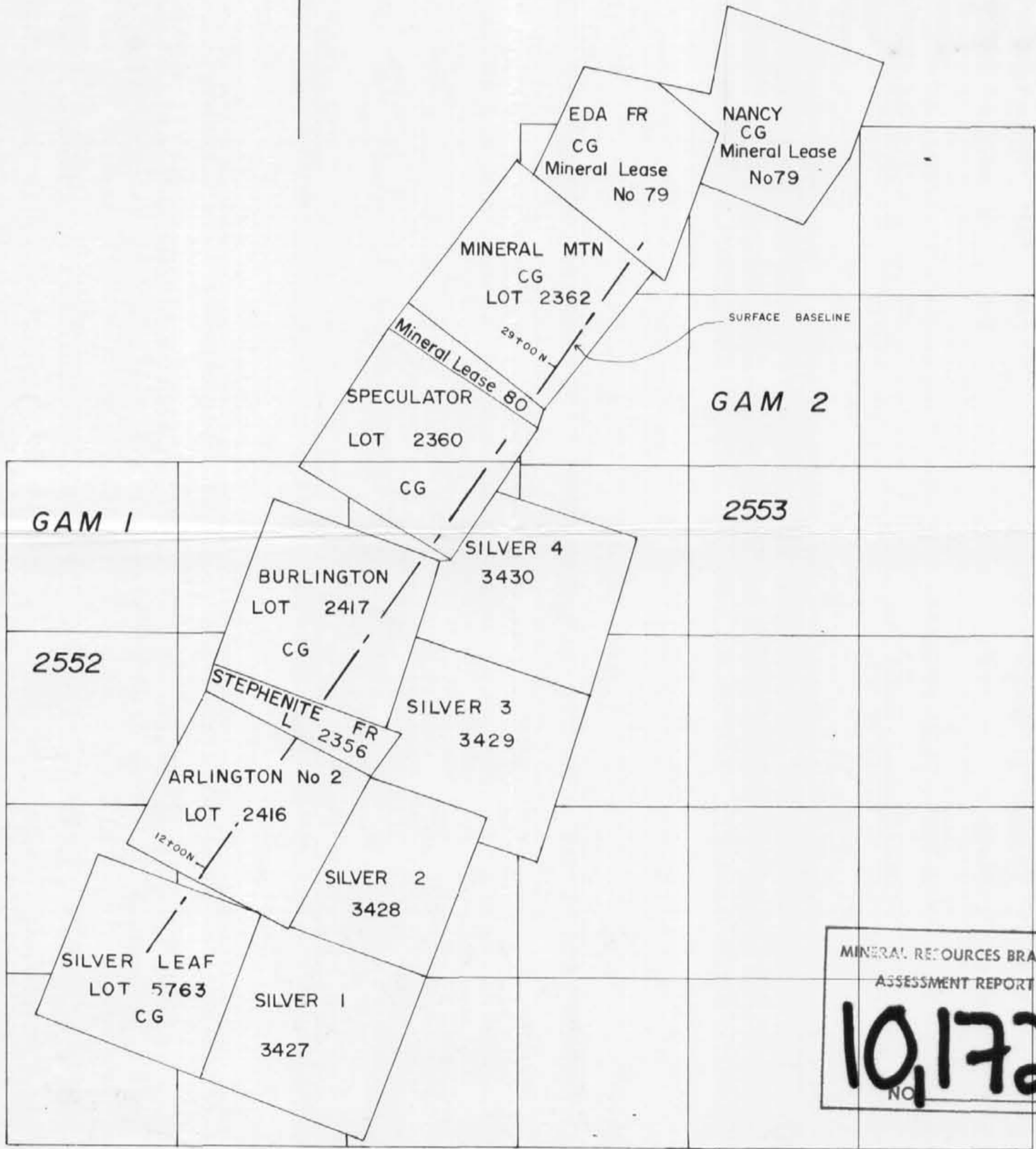
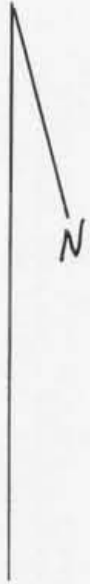
SWEP SILVER GEOCHEM ARLINGTON

1:2500



○ 10 SAMPLE LOCATION  
 1 part per million SILVER

4700 E  
 7700 E  
 8000 E  
 8300 E  
 8600 E



MINERAL RESOURCES BRANCH  
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NO

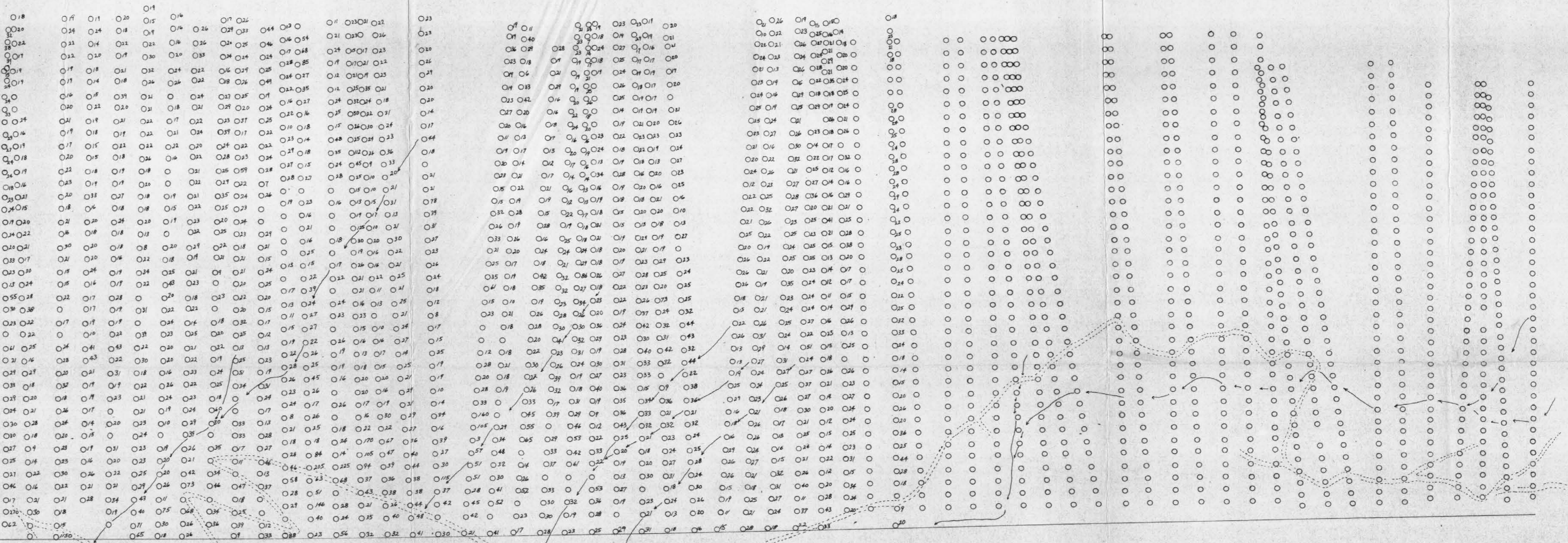
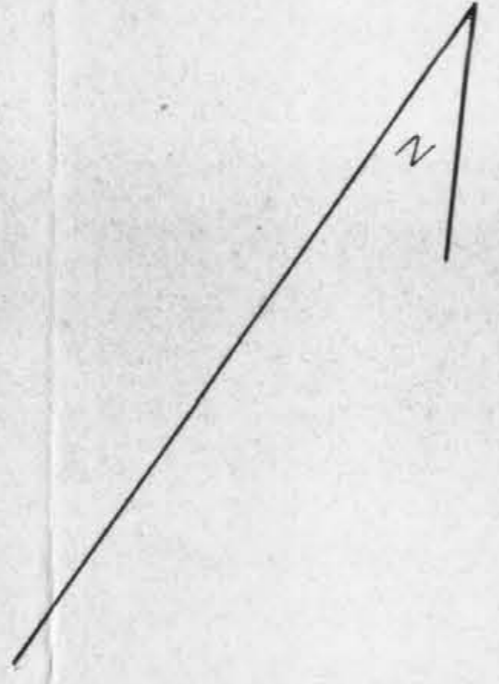
ARL 01-15

**SWEP ARLINGTON  
CLAIM MAP**

1:12500





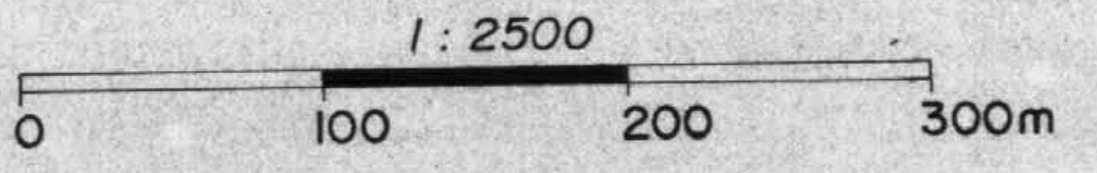


— 0150 E  
 — 2100 E  
 — 3150 E  
 — 4100 E  
 — 5100 E  
 — 6150 E

MINERAL RESOURCES BRANCH  
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ARL 81-17

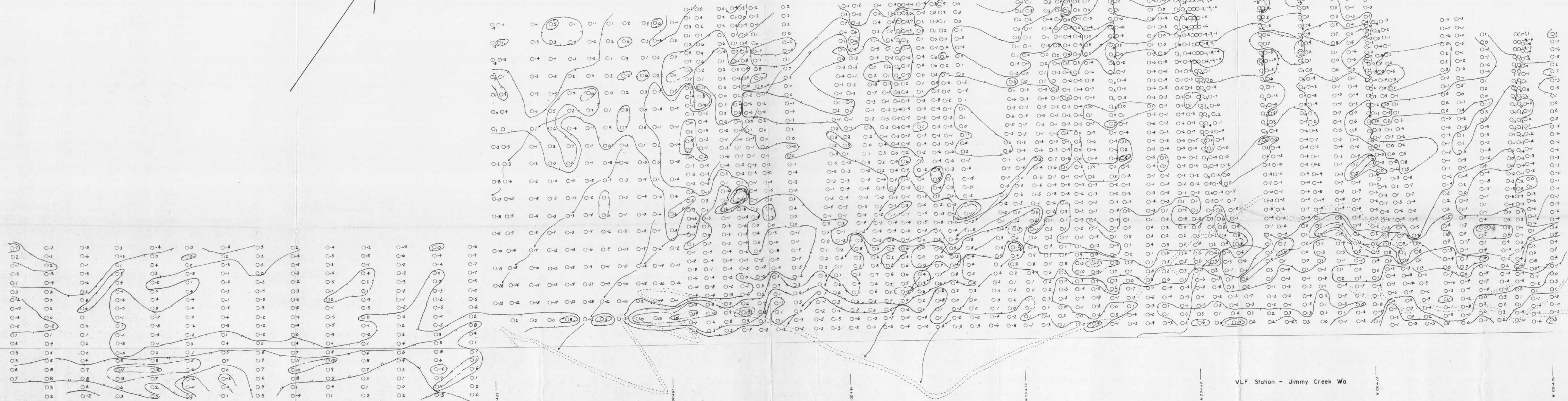
SWEP  
 LEAD GEOCHEM



- 43 Soil Sample Location parts per million lead
- Drainage
- Road



0750 E  
2700 E  
3750 E  
5700 E  
8750 E



VLF Station - Jimmy Creek Wa

Contours

- 0-4
- 5-9
- 10-14
- ≥15

Fraser Filtered Dips

Drainage

Road

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SWEP

VLF EM SURVEY  
FRASER FILTERED  
1:2500

0 100 200 300m

ARL 01-10

ARLINGTON



1.87	back	1.87	0.08	0.00	1.85
0.086	shear	1.86	0.13	0.10	0.98
7.25	shear	1.88	0.41	0.10	1.48
	shear	0.08	0.01	0.02	0.10

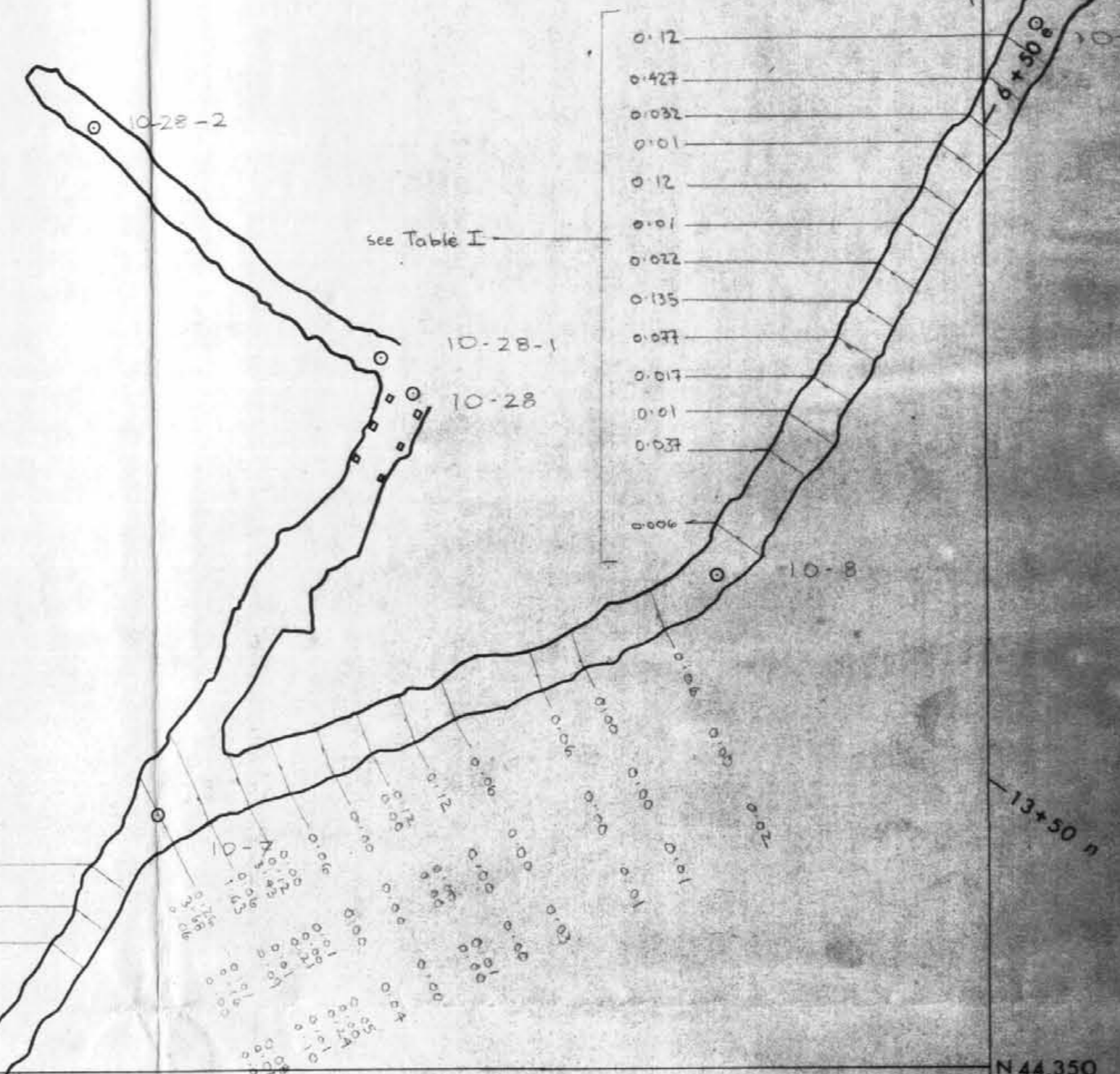


Table I  
(samples east of 10-8)

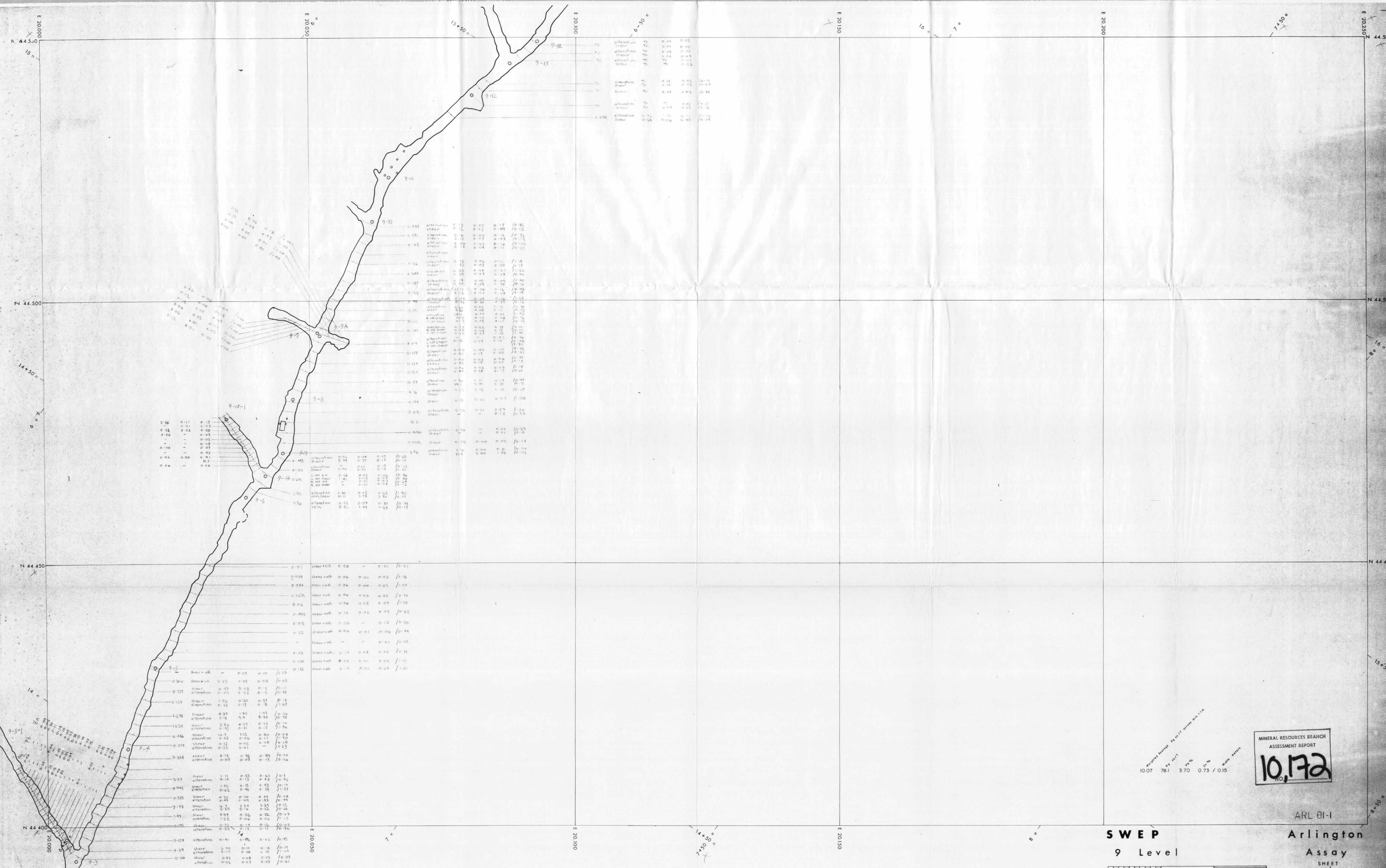
0.08	shear	0.00	0.00	0.03	0.15
0.07	shear	0.00	0.00	0.00	0.14
0.08	vein	0.00	0.00	0.00	0.12
0.14	vein	0.00	0.00	0.00	0.58
0.08	shear	0.00	0.00	0.00	0.34
0.07	vein	0.12	0.00	0.00	0.72
0.19	WR	0.12	0.00	0.05	1.03
0.12	vein	0.12	0.00	0.02	0.32
0.22	WR	0.06	0.01	0.03	0.36
0.00	vein	0.00	0.00	0.00	0.58
0.00	vein	0.00	0.00	0.02	1.14
0.12	vein	0.12	0.00	0.03	1.05
0.00	WR	0.00	0.01	0.02	1.82
0.032	WR	0.00	0.00	0.01	1.31
0.00	vein	0.00	0.00	0.03	0.41
0.12	vein	1.10	0.00	0.04	0.62
0.12	WR	0.12	0.00	0.00	0.81
0.12	shear	0.12	0.01	0.04	0.16
0.12	back	0.12	0.01	0.07	2.00

0.063	shear	0.03	0.00	0.03	0.25
0.004	shear	0.12	0.00	0.04	0.09
0.004	shear	0.06	0.00	0.03	0.08
0.078	shear	0.12	0.00	0.01	0.38
0.002	shear	0.06	0.00	0.03	0.05
0.341	shear	1.14	0.06	0.02	0.41
0.04	vein/shear	0.06	0.00	0.03	1.05
0.03	shear	0.03	0.01	0.03	1.41
0.163	shear	0.17	0.01	0.00	0.65
0.429	vein	0.12	0.00	0.01	0.25
0.07	vein	0.02	0.01	0.03	0.24
0.07	shear	5.84	0.10	0.14	0.28
0.07	vein	0.01	0.00	0.00	0.38

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WR Wall Rock





alteration	0.04	0.05		
shear	0.04	0.05		
alteration	0.04	0.05		
shear	0.04	0.05		
alteration	0.04	0.05		
shear	0.04	0.05		
alteration	0.04	0.05		
shear	0.04	0.05		
alteration	0.04	0.05		
shear	0.04	0.05		

0.26	0.11	0.13		
0.12	0.01	0.05		
0.05	0.02	0.08		
-	-	0.05		
-	-	0.08		
0.06	-	0.09		
-	0.05	-		
0.06	0.00	0.01		
0.15	-	0.02		
0.06	-	0.08		

0.097	alteration	0.12	0.23	0.17	10.85
0.097	shear	0.12	0.23	0.17	10.85
0.581	alteration	2.4	0.09	0.16	10.31
0.581	shear	0.2	0.05	0.03	10.15
0.43	alteration	0.09	0.03	0.12	10.05
0.43	shear	0.13	0.04	0.11	10.22
0.36	alteration	0.42	0.02	0.11	11.15
0.36	shear	0.42	0.02	0.09	10.15
0.248	alteration	0.25	0.04	0.21	11.02
0.248	shear	0.29	0.07	0.19	10.40
0.183	alteration	0.18	0.00	0.09	11.40
0.183	shear	0.11	0.07	0.20	10.16
0.153	alteration	0.12	0.00	0.14	10.78
0.153	shear	0.12	0.00	0.19	10.04
0.49	alteration	0.47	0.03	0.26	11.58
0.49	shear	0.47	0.03	0.26	11.58
0.115	alteration	0.16	0.05	0.12	10.30
0.115	shear	0.16	0.05	0.11	10.42
0.002	alteration	0.00	0.00	0.00	10.12
0.002	shear	0.00	0.00	0.00	10.12
0.141	alteration	0.13	0.05	0.13	10.00
0.141	shear	0.13	0.05	0.20	11.40
0.04	alteration	0.00	0.00	0.00	10.00
0.04	shear	0.00	0.00	0.00	10.00
0.117	alteration	0.10	0.02	0.10	10.41
0.117	shear	0.15	0.13	0.06	10.01
0.114	alteration	0.08	0.02	0.04	10.10
0.114	shear	0.03	0.17	0.27	11.00
0.123	alteration	0.06	0.02	0.13	11.00
0.123	shear	0.04	0.17	0.16	10.10
0.07	alteration	0.00	0.11	0.13	10.05
0.07	shear	0.01	0.10	0.21	10.15
0.16	alteration	0.25	0.15	0.10	10.18
0.16	shear	0.12	0.01	0.07	11.08
0.05	alteration	0.04	0.01	0.07	10.24
0.05	shear	0.04	0.01	0.12	10.53
0.006	alteration	0.00	-	0.02	10.27
0.006	shear	0.00	-	0.01	10.10
0.005	alteration	0.00	0.00	0.05	10.17
0.005	shear	0.00	0.00	0.01	10.10
0.246	alteration	0.16	0.00	0.21	10.74
0.246	shear	0.16	0.00	1.06	10.12

0.01	shear+alt	0.06	-	0.01	10.01
0.034	shear+alt	0.06	0.01	0.02	11.18
0.054	shear+alt	0.06	0.00	0.05	11.07
0.035	shear+alt	0.04	0.00	0.05	10.43
0.06	shear+alt	0.06	0.03	0.09	11.50
0.065	shear+alt	0.12	0.02	0.05	10.65
0.015	shear+alt	0.06	-	0.12	10.30
0.02	shear+alt	0.06	0.01	0.06	10.44
-	shear+alt	-	-	0.01	10.02
0.02	shear+alt	0.17	0.02	0.00	10.35
0.220	shear+alt	0.23	0.01	0.09	11.15
0.156	shear+alt	0.14	0.01	0.04	11.10
0.300	shear+alt	0.35	0.04	0.06	11.03
0.329	shear	0.47	0.08	0.15	10.11
0.329	alteration	0.29	0.02	0.15	10.92
0.559	shear	1.06	0.20	0.37	10.12
0.559	alteration	0.52	0.13	0.18	11.63
1.478	shear	4.37	1.30	1.77	10.30
1.478	alteration	2.18	0.4	0.34	10.78
1.034	shear	2.86	0.27	0.35	10.10
1.034	alteration	0.83	0.15	0.11	10.70
0.446	shear	1.07	1.12	0.80	10.08
0.446	alteration	0.23	0.06	0.11	11.10
0.219	shear	0.12	0.05	0.09	10.10
0.219	alteration	0.13	0.01	0.09	11.23
0.354	shear	4.11	0.10	0.09	10.10
0.354	alteration	0.09	0.03	0.13	10.16
0.337	shear	1.11	0.33	0.63	10.01
0.337	alteration	4.14	0.13	0.43	10.05
0.745	shear	3.05	0.15	0.43	10.10
0.745	alteration	0.62	0.45	0.54	11.37
0.333	shear	4.30	0.20	0.34	10.08
0.333	alteration	0.49	0.04	0.33	10.14
2.147	shear	5.71	2.14	3.24	10.15
2.147	alteration	0.29	0.16	0.32	10.44
1.43	shear	9.89	0.56	0.36	10.08
1.43	alteration	1.22	0.00	0.00	11.15
0.035	shear	0.35	0.14	0.16	10.09
0.035	alteration	0.23	0.12	0.11	10.30
0.41	alteration	0.41	0.02	0.02	10.05
4.28	shear	5.50	0.10	0.18	10.11
4.28	alteration	4.17	0.08	0.18	10.01
0.44	shear	0.47	0.08	0.13	10.07
0.44	alteration	0.62	0.03	0.03	10.61

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0-029	alteration	2.10	0.10	0.07	0.02
0-029	shear	5.46	0.70	0.05	0.01
0-028	alteration	11.50	0.75	0.04	0.01
0-028	shear	0.13	0.24	0.01	0.01
0-025	alteration	1.0	0.24	0.02	0.01
0-025	shear	0.00	0.10	0.00	0.00
0-024	alteration	0.10	0.02	0.01	0.01
0-024	vein	0.04	0.02	0.01	0.01

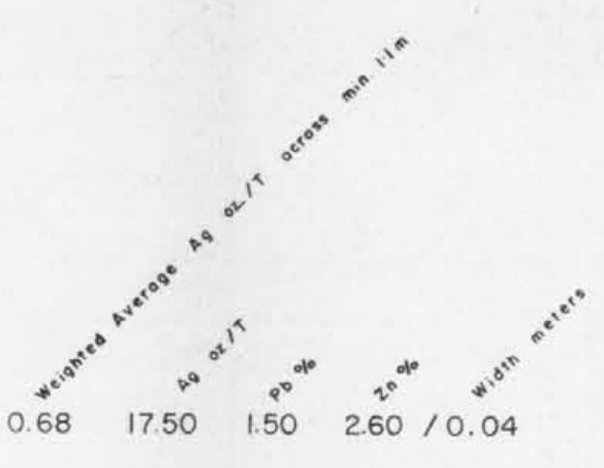
0-031	alteration	0.46	0.12	0.04	0.01
0-031	W shear	0.34	0.10	0.02	0.01
0-016	alteration	4.52	0.08	0.02	0.01
0-016	W shear	0.32	0.02	0.01	0.01

shear	Tr	0.04	0.02	0.01	0.01
shear	Tr	0.04	0.02	0.01	0.01
shear	Tr	0.04	0.02	0.01	0.01
shear	Tr	0.04	0.02	0.01	0.01
shear	Tr	0.04	0.02	0.01	0.01
shear	Tr	0.04	0.02	0.01	0.01
shear	Tr	0.04	0.02	0.01	0.01
shear	Tr	0.04	0.02	0.01	0.01
shear	Tr	0.04	0.02	0.01	0.01
shear	Tr	0.04	0.02	0.01	0.01

0-037	alteration	0.06	0.01	0.01	0.01
0-037	W shear	0.18	0.01	0.01	0.01
0-037	W shear	0.24	0.05	0.01	0.01
0-037	W shear	0.12	0.01	0.01	0.01
0-031	alteration	0.12	0.01	0.01	0.01
0-031	alteration	0.02	0.01	0.01	0.01
0-031	W shear	0.02	0.01	0.01	0.01
0-031	W shear	0.02	0.01	0.01	0.01
0-031	W shear	0.02	0.01	0.01	0.01
0-031	W shear	0.02	0.01	0.01	0.01

1-24	alteration	2.04	0.16	0.05	0.01
1-24	shear	1.16	0.40	0.04	0.01
0-024	alteration	0.16	0.04	0.01	0.01
0-024	vein	0.30	1.40	0.03	0.01
0-024	shear	0.16	0.14	0.01	0.01
0-024	shear	0.16	0.14	0.01	0.01
0-024	shear	0.16	0.14	0.01	0.01
0-024	shear	0.16	0.14	0.01	0.01
0-024	shear	0.16	0.14	0.01	0.01
0-024	shear	0.16	0.14	0.01	0.01
0-024	shear	0.16	0.14	0.01	0.01

Tr	alteration	Tr	Tr	0.01	0.01
Tr	shear	Tr	Tr	0.04	0.01
Tr	alteration	Tr	Tr	0.01	0.01
Tr	shear	Tr	Tr	0.01	0.01
Tr	alteration	Tr	Tr	0.01	0.01
Tr	shear	Tr	Tr	0.01	0.01
Tr	alteration	Tr	Tr	0.01	0.01
Tr	shear	Tr	Tr	0.01	0.01
Tr	alteration	Tr	Tr	0.01	0.01
Tr	shear	Tr	Tr	0.01	0.01



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NO.

SWEP  
9 Level



Arlington  
Assay  
SHEET  
44550/20250

ARL01-2



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N

WR Well Rock  
0.29 0.29 0.07 0.14 / 1.58



	QUARTZ VEIN, DIP DIRECTION	+	> 20%
	SHEAR, DIP DIRECTION	+	5-20%
	JOINT, DIP DIRECTION	F <sub>1</sub>	PHYRITE
	LIGNICOLOUS CONTACT	Ca	CHALCOPYRITE
	LIMIT OF ALTERATION	Mc	MALACHITE
	BRECCIA	RA	HAZE
	SULFIDES TRACE	RT	ROUND TIMBER
	QUARTZ BRECCIA	RS	SQUARE TIMBER
	SELENA	LA	LASSING
	SPHALERITE		
	TETRAHEDRITE		
	NATIVE SILVER		

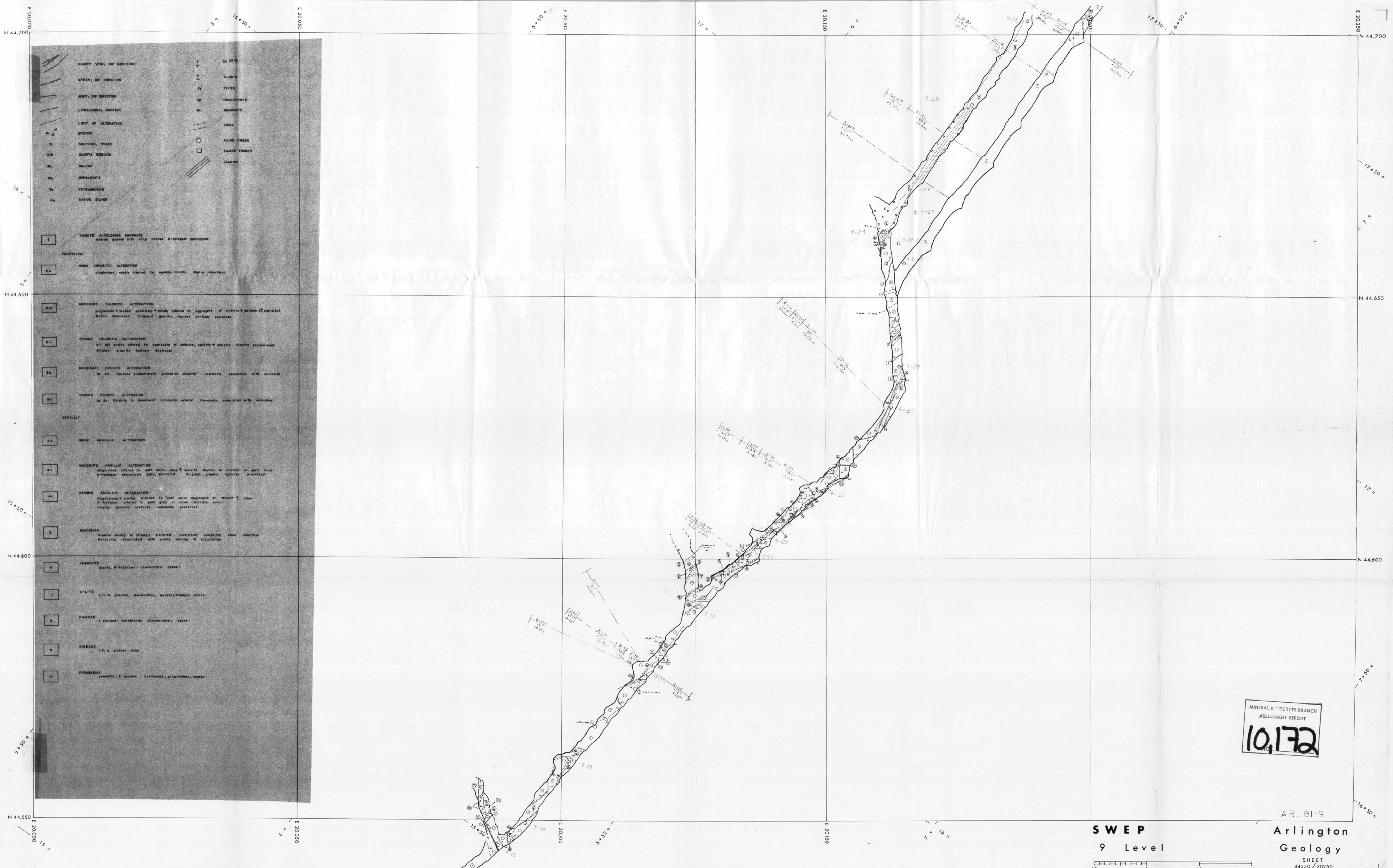
  

	GRANITE K-FELDSPAR PORPHYRY medium grained with very coarse K-feldspar phenocrysts
PROPLITIC	
	WEAK CHLORITIC ALTERATION plagioclase weakly altered to epidote, chlorite, malachite, chalcocite
	MODERATE CHLORITIC ALTERATION plagioclase + mafics partially to totally altered to aggregate of chlorite + epidote (± sericite). Mafics unaltered. Original granitic texture partially preserved
	STRONG CHLORITIC ALTERATION all but quartz altered to aggregate of chlorite, epidote + sericite. Chlorite predominant. Original granitic texture destroyed
	MODERATE EPIDOTE ALTERATION As 2b. Epidote predominant alteration mineral. Commonly associated with silicification
	STRONG EPIDOTE ALTERATION As 2c. Epidote is dominant alteration mineral. Commonly associated with silicification
ARGILLIC	
	WEAK ARGILLIC ALTERATION
	MODERATE ARGILLIC ALTERATION plagioclase altered to soft white clay ± sericite. Mafics to chlorite or pale mica. K-feldspar phenocrysts pink, unaltered. Original granitic textures preserved
	STRONG ARGILLIC ALTERATION plagioclase + mafics altered to soft white aggregate of chlorite ± clay K-feldspar altered to pink grey or dark chloritic color. Original granitic textures commonly preserved
	SILICIFICATION granite weakly to strongly silicified. Commonly overprints other alteration. Commonly associated with quartz veining & brecciation
	PERMATITE Quartz, K-feldspar, Leucocrystic Dykes
	APLITE f to m. grained, leucocrystic, quartz/feldspar dykes
	DIABASE f grained, hornblende gneissitic, dykes
	DIABASE f to m. grained dyke
	PARAGNEISS sericitic, f grained; hornblende, plagioclase, quartz

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- QUARTZ VEIN; DIP DIRECTION + > 80°
- SHEAR; DIP DIRECTION + 5-80°
- JOINT; DIP DIRECTION +
- LITHOLOGICAL CONTACT +
- LIMIT OF ALTERATION +
- BRECCIA +
- SULFIDES, TRACE +
- QUARTZ BRECCIA +
- SALENA +
- SPHALERITE +
- PYRROPHEDRITE +
- NATIVE SILVER +

- 1 GRANITE K-FELDSPAR PORPHYRY  
medium grained with very coarse K-feldspar phenocrysts
- PROPYLITIC
- A1 WEAK CHLORITIC ALTERATION  
plagioclase weakly altered to epidote, chlorite. Matrix unaltered
- A2 MODERATE CHLORITIC ALTERATION  
plagioclase + matrix partially to totally altered to aggregates of chlorite + epidote (± sericite).  
Matrix unaltered. Original granitic texture partially preserved
- A3 STRONG CHLORITIC ALTERATION  
all but quartz altered to aggregates of chlorite, epidote + sericite. Chlorite predominant.  
Original granitic texture destroyed
- A4 MODERATE EPIDOTE ALTERATION  
As A2 - Epidote predominant alteration mineral. Commonly associated with silicification
- A5 STRONG EPIDOTE ALTERATION  
As A3 - Epidote is dominant alteration mineral. Commonly associated with silicification
- ARILLIC
- A6 WEAK ARILLIC ALTERATION
- A7 MODERATE ARILLIC ALTERATION  
plagioclase altered to dark white clay ± sericite. Matrix to chlorite or pale mica.  
K-feldspar phenocrysts pink, unaltered. Original granitic texture preserved.
- A8 STRONG ARILLIC ALTERATION  
plagioclase + matrix altered to dark white aggregate of chlorite ± clay.  
K-feldspar altered to pale grey or dark chloritic color.  
Original granitic texture commonly preserved.
- SILICIFICATION  
Quartz heavily to strongly silicified. Commonly associated with alteration.  
Generally associated with quartz veins & brecciation.
- 6 GEMMATE  
Quartz, K-feldspar, Leucocratic Dykes
- 7 APLITE  
f. to m. grained, leucocratic, quartz/feldspar dykes
- 8 DIABASE  
f. grained, hornblende phenocrysts, dykes
- 9 DIABASE  
f. to m. grained dyke
- 10 PARAGNEISS  
zoned, f. grained; hornblende, plagioclase, quartz

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	QUARTZ VEIN, DIP DIRECTION		> 20%
	SHEAR, DIP DIRECTION		5-20%
	JOINT, DIP DIRECTION		PYRITE
	LITHOLOGICAL CONTACT		CHALCOPYRITE
	LIMIT OF ALTERATION		MALACHITE
	BRECCIA		RAISIN
	SULFIDES, TRACE		ROUND TIMBER
	QUARTZ BRECCIA		SQUARE TIMBER
	SPHALERITE		LASSING
	TETRAHEDRITE		
	NATIVE SILVER		

	GRANITE K-FELDSPAR PORPHYRY medium grained with very coarse K-feldspar phenocrysts
	PROPYLITE
	WEAK CHLORITIC ALTERATION plagioclase weakly altered to epidote, chlorite. Matrix unaltered
	MODERATE CHLORITIC ALTERATION plagioclase + matrix partially to totally altered to aggregates of chlorite + epidote (± sericite). Matrix unaltered. Original granitic texture partially preserved
	STRONG CHLORITIC ALTERATION all but chlorite altered to aggregates of chlorite, epidote + sericite. Chlorite predominant. Original granitic texture destroyed
	MODERATE EPIDOTE ALTERATION As 2c. Epidote predominant alteration mineral. Commonly associated with silification
	STRONG EPIDOTE ALTERATION As 2c. Epidote is dominant alteration mineral. Commonly associated with silification
	ARGILLIC
	WEAK ARGILLIC ALTERATION
	MODERATE ARGILLIC ALTERATION plagioclase altered to soft white clay ± sericite. Matrix to chlorite or pale mica. K-feldspar phenocrysts pink, unaltered. Original granitic texture preserved
	STRONG ARGILLIC ALTERATION plagioclase + matrix altered to soft white aggregate of sericite ± clay. K-feldspar altered to pink grey or dark chloritic color. Original granitic texture commonly preserved
	SILICATION Granite weakly to strongly silicated. Commonly overprints other alteration. Generally associated with quartz veining & brecciation
	PEGMATITE Quartz, K-feldspar, Lepidocrocite, Dyke
	AMPHIBOLE 1-2 m. grained, microcrystic, quartz/pegmatite dyke
	DIABASE 1 grained, hornblende phanocrysts, dyke
	DIABASE 1-2 m. grained dyke
	PARAGNEISS gneissite, 1 grained, hornblende, plagioclase, quartz

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