

**ENERGEX MINERALS LTD.  
TOODOGGONE PROJECT**

**VOLUME 2**

**PLANS AND SECTIONS**

**SUMMARY OF WORK DONE  
ON THE AL PROPERTY**

**1986**

**OMINECA MINING DIVISION  
BRITISH COLUMBIA  
NTS 94E/6**

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**

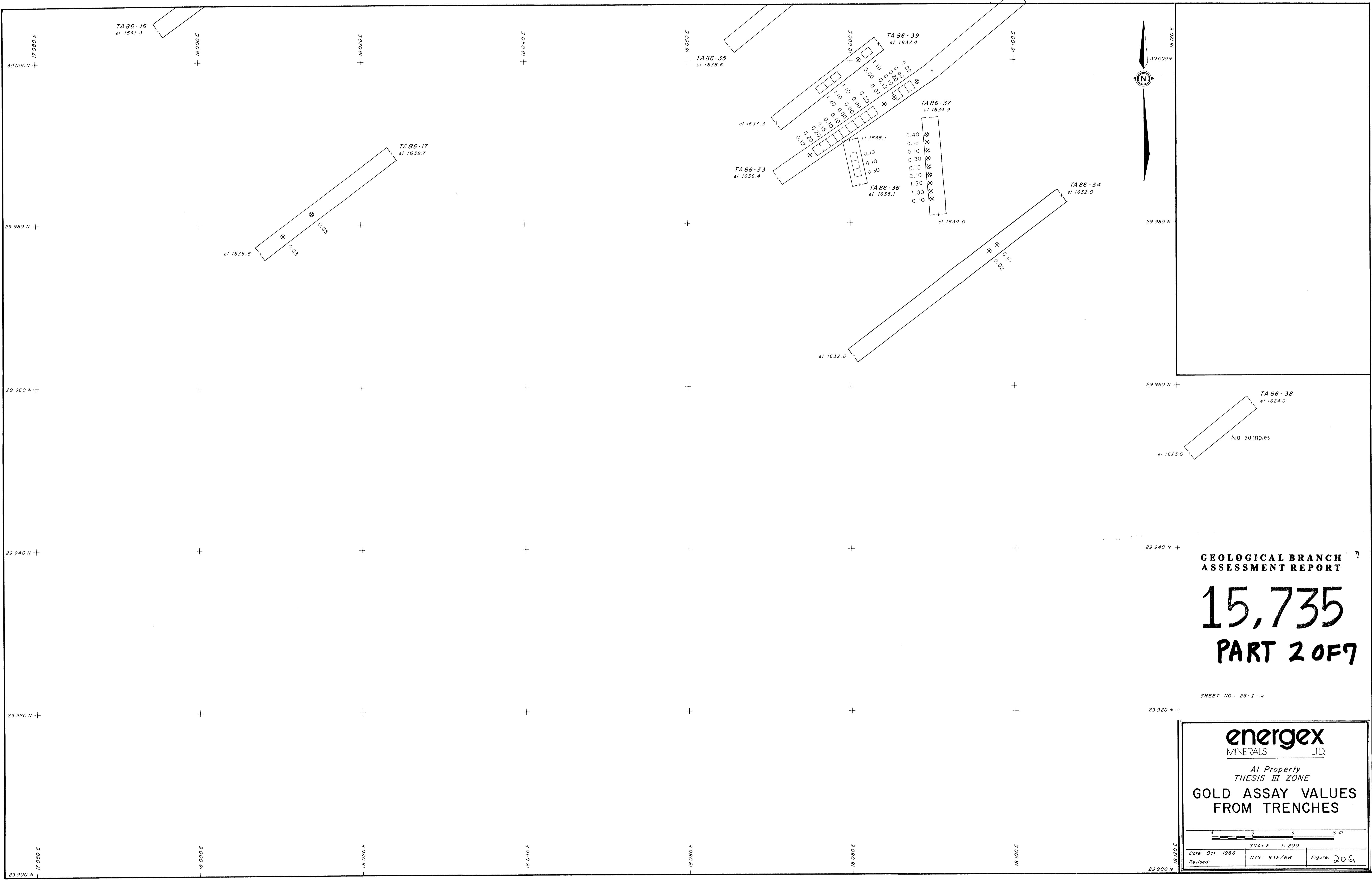
**FILED**

**Authors: L. Eccles  
F. Gigliotti  
G. Sivertz**

**Latitude: 57°28'N  
Longitude: 127°27'W**

**February 1987**

**Vancouver, British Columbia**



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

SHEET NO.: 26-1-w

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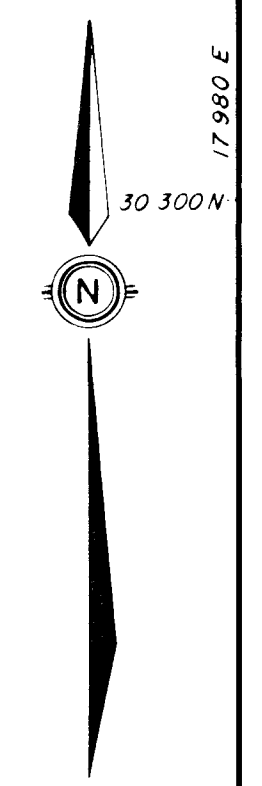
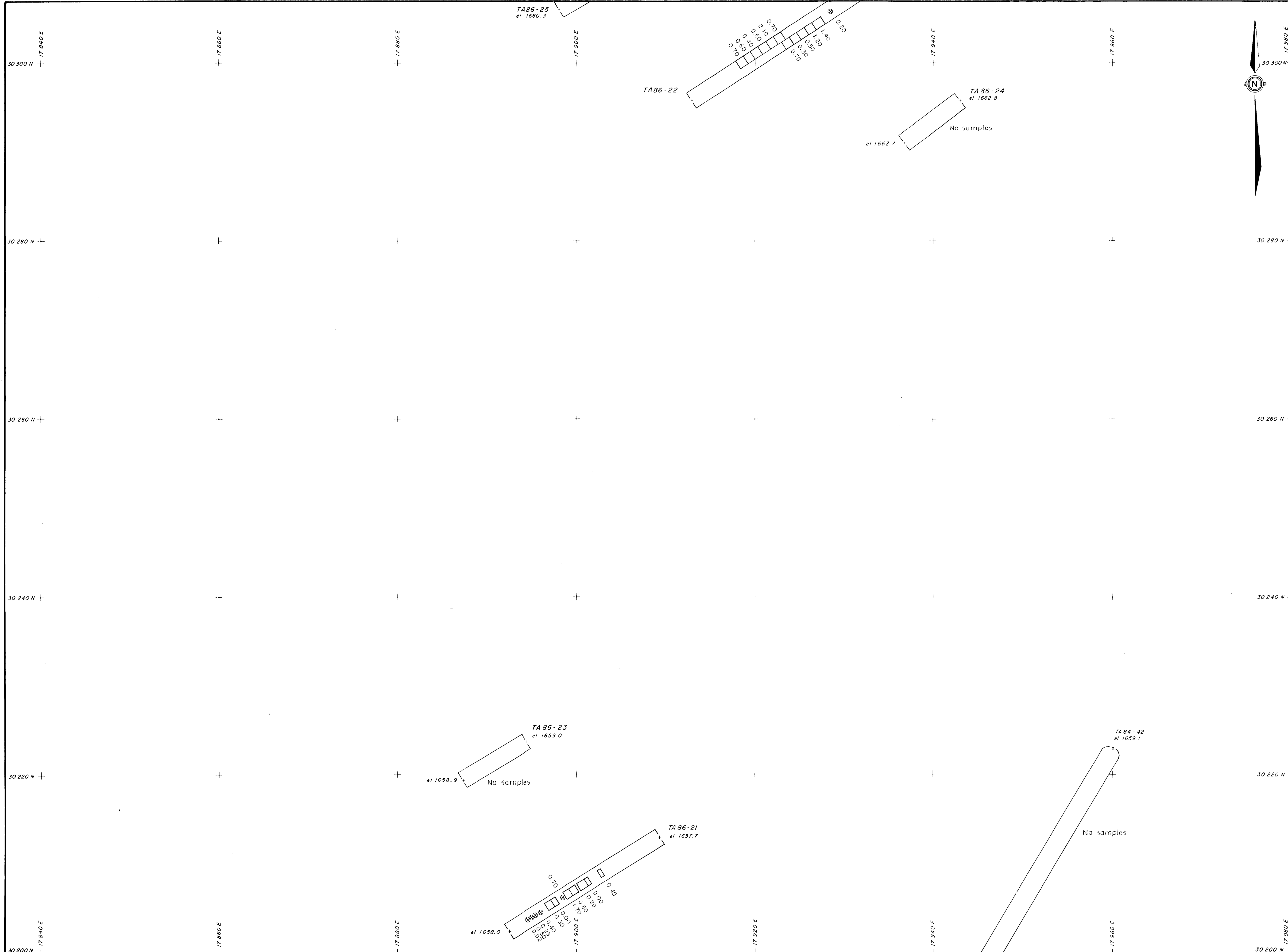
*At Property  
THESIS III ZONE*

**GOLD ASSAY VALUES  
FROM TRENCHES**

SCALE 1:200

Date Oct 1986  
Revised NTS: 94E/6W Figure 206



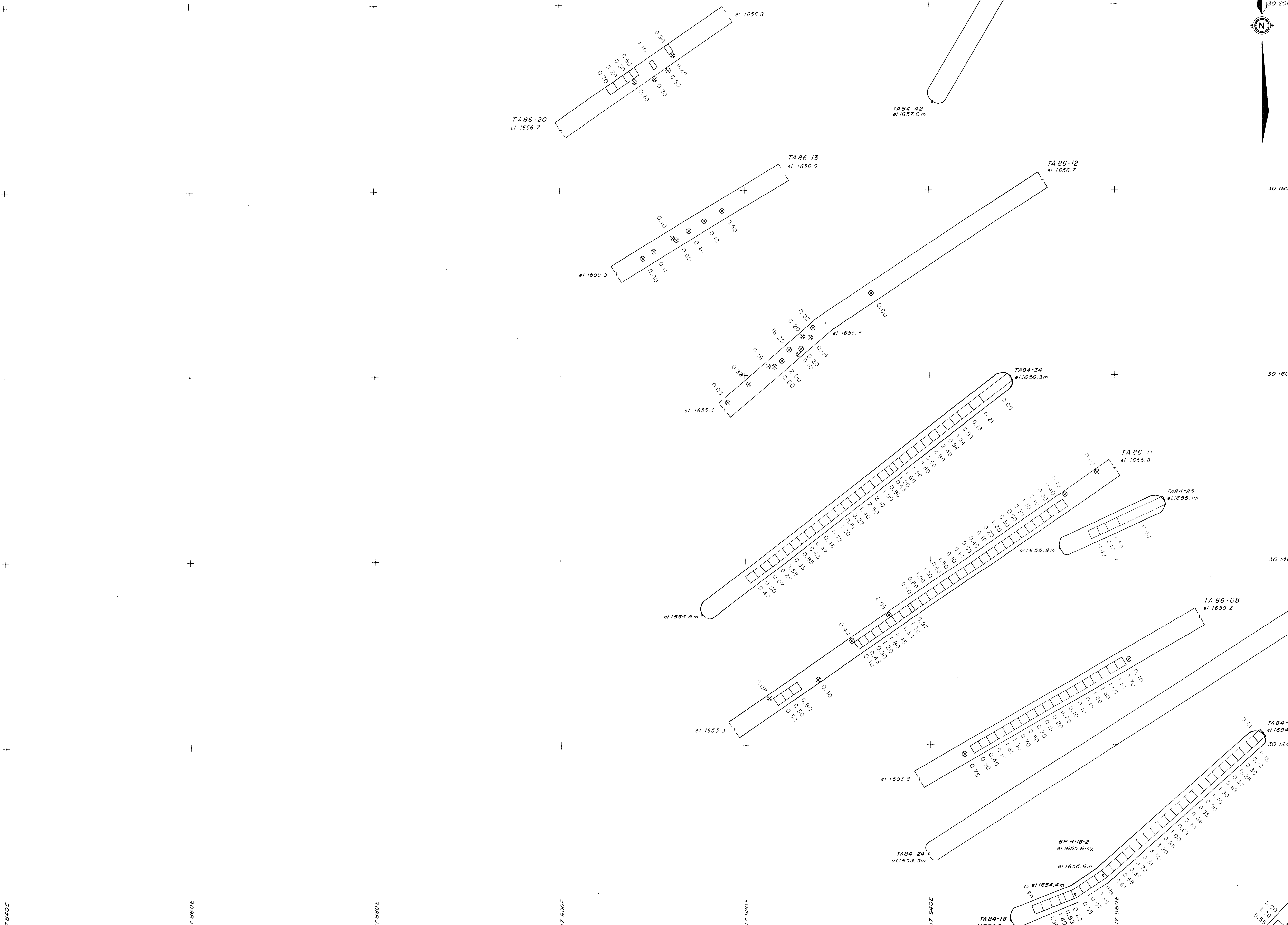


**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735  
PART 2 OF 7**

SHEET NO.: 26-L-1

<b>energex</b> MINERALS LTD.		
<i>AI Property</i> THEISIS III ZONE		
<b>GOLD ASSAY VALUES FROM TRENCHES</b>		
SCALE 1:200		
Date Oct 1986	NTS. 94E/6W	Figure 20E
Revised		



12,000E	17,000E	20,000E	24,000E	27,000E	31,000E	34,000E
37	38	39	40	41	42	38,000E
36	35	34	33	32	31	34,000E
25	26	27	28	29	30	31,000E
24	23	22	21	20	19	29,000E
13	14	15	16	17	18	28,000E
12	11	10	9	8	7	24,000E
1	2	3	4	5	6	21,000E
						19,000E

21,000E	U	V	W	X	Y
21,000E	T	S	R	Q	P
20,000E	K	L	M	N	O
19,500E	J	I	H	G	F
19,000E	A	B	C	D	E

19,500E	u	v	w	x	y
19,400E	f	g	h	i	j
19,300E	k	l	m	n	o
19,200E	p	q	r	s	t
19,100E	1	2	3	4	5
19,000E	a	b	c	d	e

SHEET INDEX

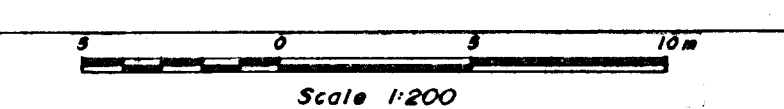
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735  
PART 2 OF 7**

SHEET NO.: 26-L-1



*All Property  
THESES III ZONE*  
**GOLD ASSAY VALUES  
FROM TRENCHES**



Date AUG, 1985  
Revised: NTS: 94E/W Figure: 20D

17 840E

17 860E

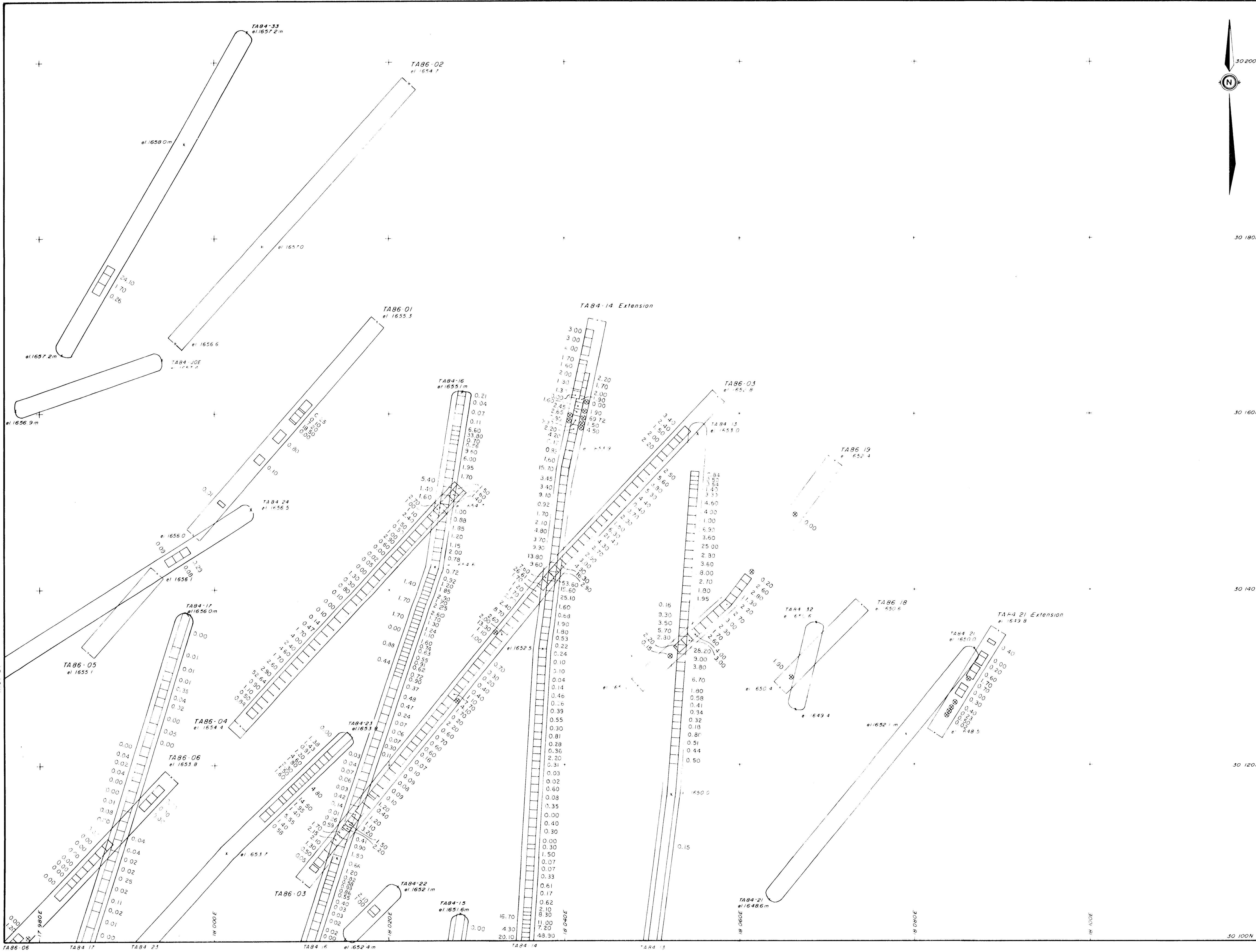
17 880E

17 900E

17 920E

17 940E

TAB 86-06



37	38	39	40	41	42	-38,500N
36	35	34	33	32	31	-34,000N
25	26	27	28	29	30	-31,500N
24	23	22	21	20	19	-29,000N
13	14	15	16	17	18	-24,000N
12	11	10	9	8	7	-21,500N
1	2	3	4	5	6	-18,000N

18,000E	U	V	W	X	Y
19,000E	T	S	R	Q	P
20,000E	K	L	M	N	O
21,000E	J	I	H	G	F
22,000E	A	B	C	D	E

SHEET INDEX

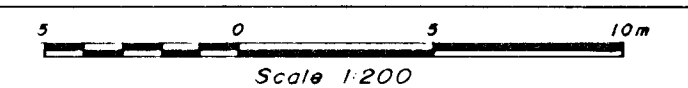
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

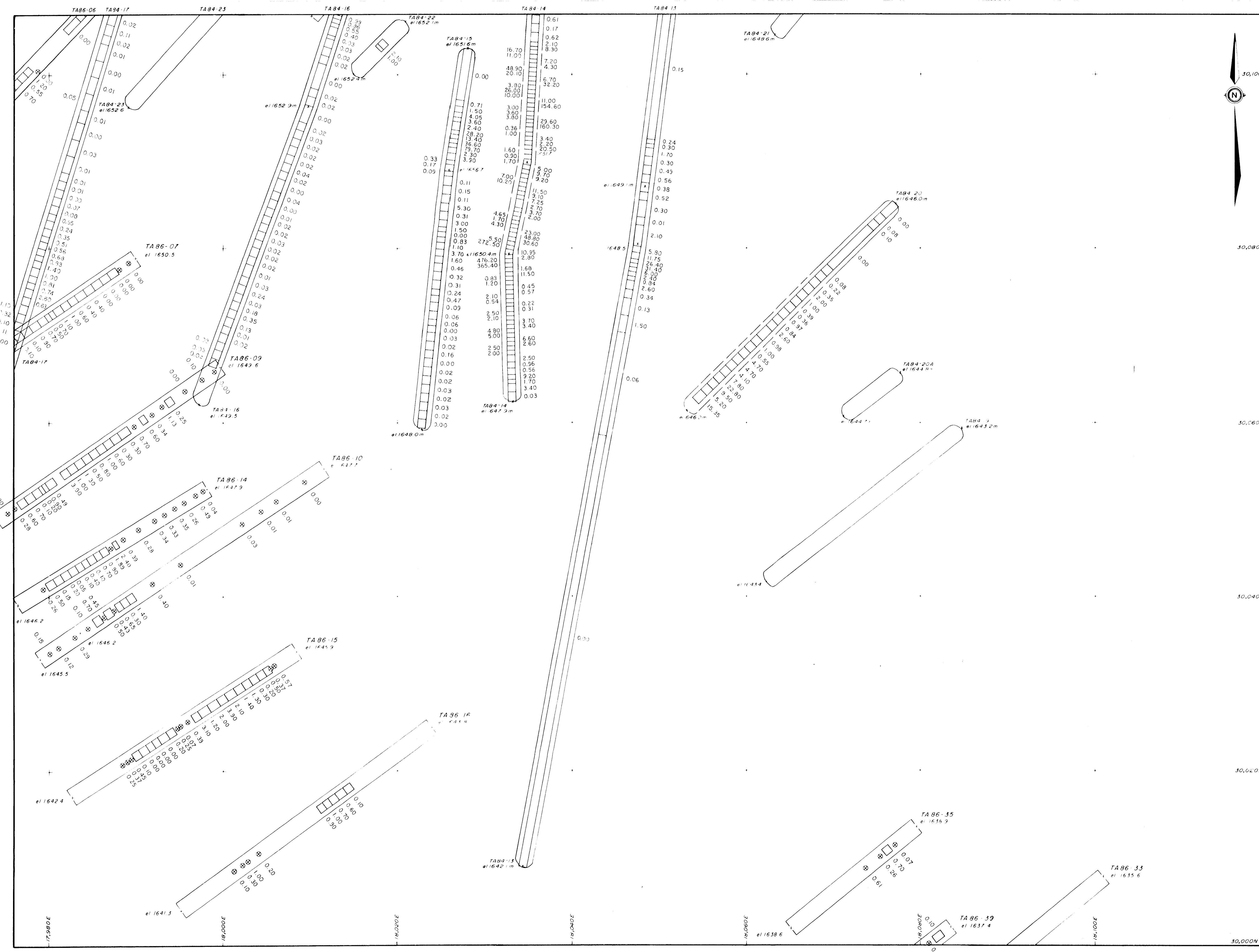
SHEET NO. 26-L-1

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THISIS III ZONE  
**GOLD ASSAY VALUES  
FROM TRENCHES**



Date AUG, 1985  
Revised NTS 9-1E/6W Figure 20C



30,100N

37	38	39	40	41	42	38,500N
36	35	34	33	32	31	38,000N
25	26	27	28	29	30	37,500N
24	23	22	21	20	19	37,000N
13	14	15	16	17	18	36,500N
1	2	3	4	5	6	36,000N

EACH SHEET 1:5000

30,080N

31,000N	U	V	W	X	Y
30,000N	T	S	R	Q	P
29,000N	K	L	M	N	O
28,000N	J	I	H	G	F
27,000N	A	B	C	D	E

EACH SHEET 1:1000

30,060N

34,500E	U	V	W	X	Y
34,000E	I	B	F	Q	D
33,500E	K	L	M	N	O
33,000E	J	I	H	G	F
32,500E	A	B	C	D	E

EACH SHEET 1:200

30,040N

30,020N

30,000N

SHEET INDEX

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

# 15,735

PART 2 OF 9

SHEET NO 26-L-c

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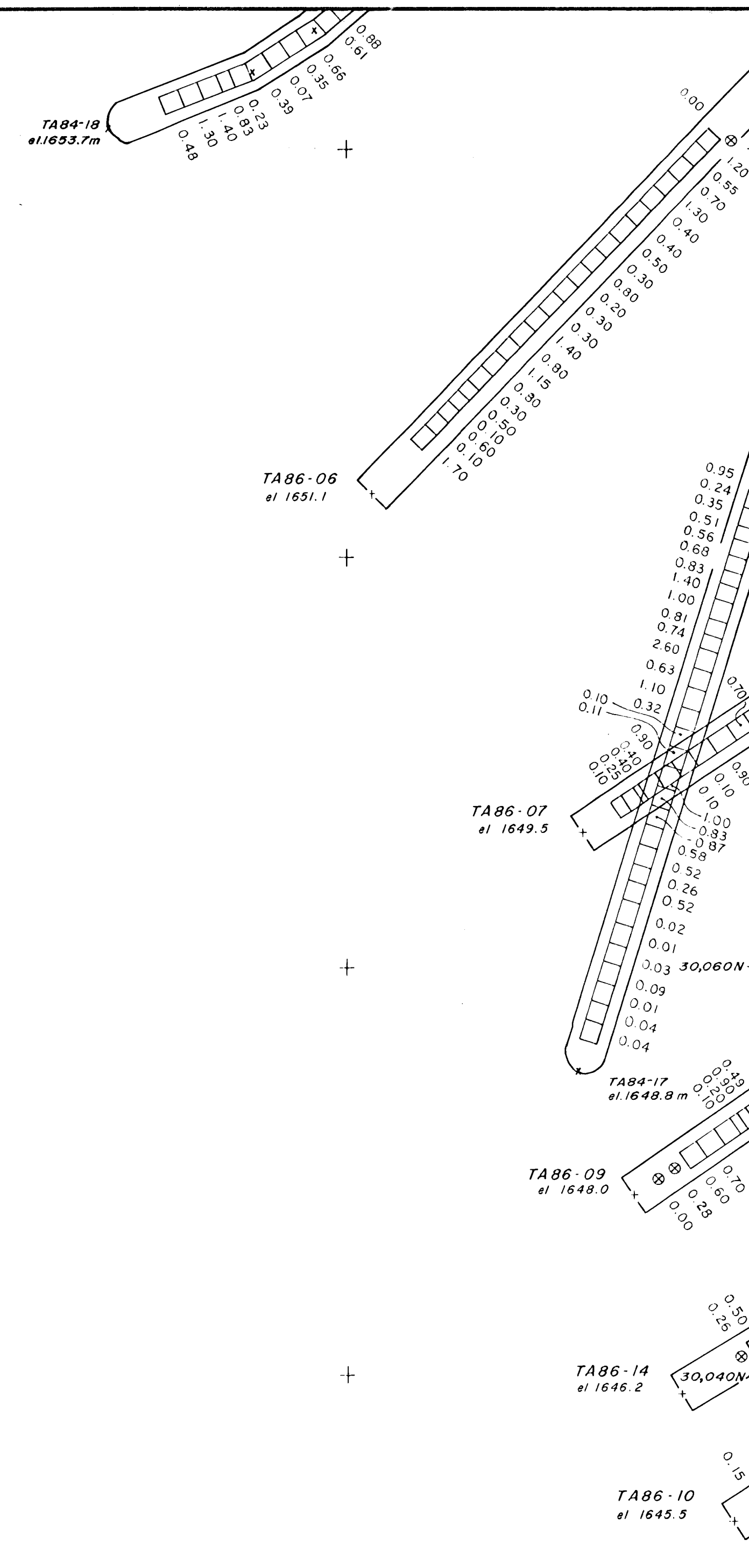
All Property  
THESIS III ZONE

**GOLD ASSAY VALUES  
FROM TRENCHES**

Scale 1:200

Date AUG, 1985  
Revised NTS 94E/GW Figure 20 B

30,100 N  
30,080 N  
30,060 N  
30,040 N  
30,020 N  
30,000 N



37	38	39	40	41	42	38,500N
36	35	34	33	32	31	34,000N
25	26	27	28	29	30	31,500N
24	23	22	21	20	19	29,000N
13	14	15	16	17	18	26,500N
12	11	10	9	8	7	24,000N
1	2	3	4	5	6	21,500N
						19,000N

EACH SHEET 1:5000

21,500N	U	V	W	X	Y
21,000N	T	S	R	Q	P
20,500N	K	L	M	N	O
20,000N	J	I	H	G	F
19,500N	A	B	C	D	E

EACH SHEET 1:1000

19,500E	U	V	W	X	Y
19,400E	r	s	t	q	p
19,300E	k	l	m	n	o
19,200E	j	i	h	g	f
19,100E	d	b	c	e	a

EACH SHEET 1:200

SHEET INDEX

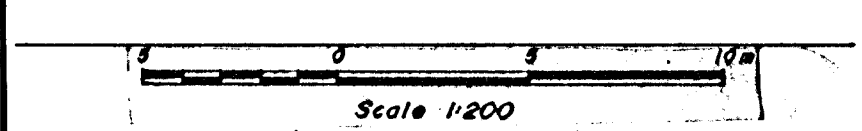
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

SHEET NO.: 26-L-b

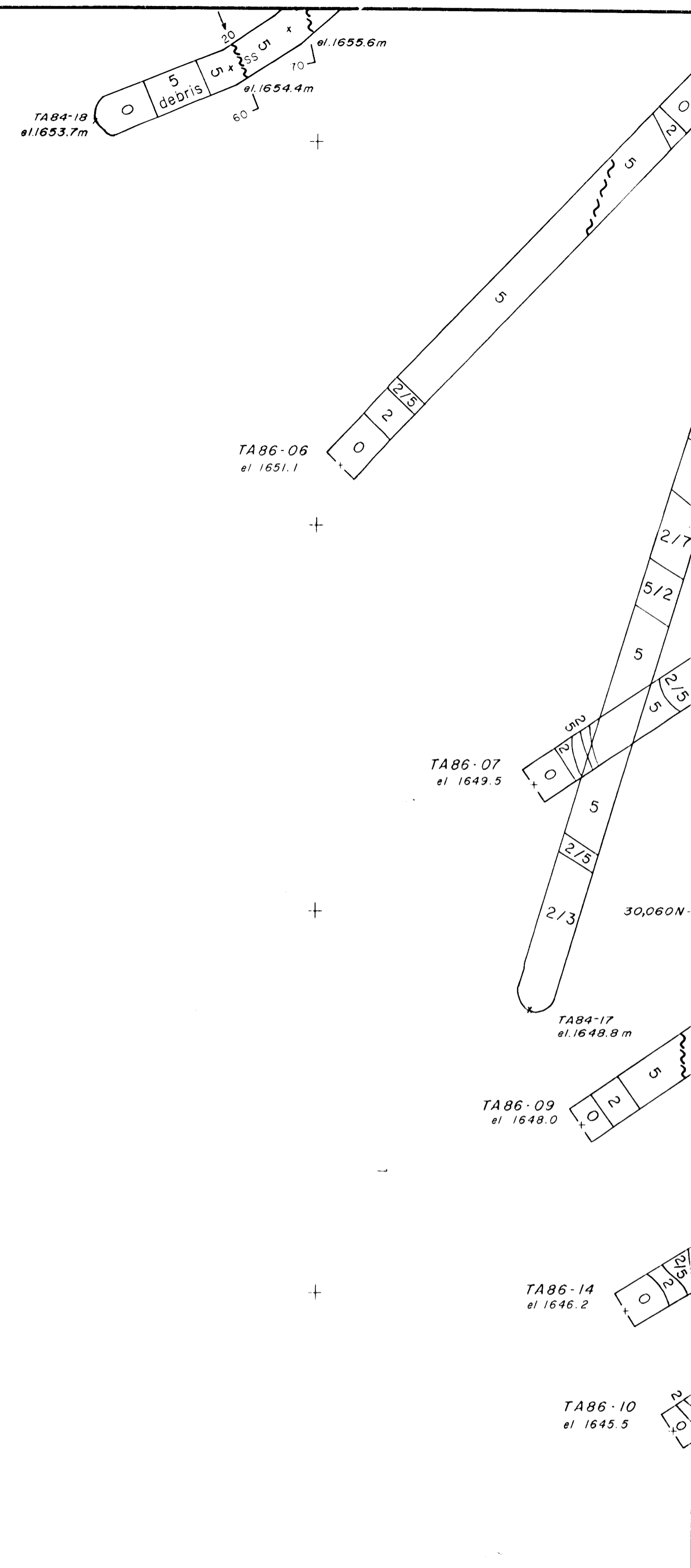
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**THESIS III ZONE**  
**GOLD ASSAY VALUES**  
**FROM TRENCHES**



Date: AUG. 1988  
Revised:  
NTS: 9.4E/8W  
Figure: 20A





37	38	39	40	41	42	36,500N
36	35	34	33	32	31	34,000N
25	26	27	28	29	30	31,500N
24	23	22	21	20	19	29,000N
13	14	15	16	17	18	26,500N
12	11	10	9	8	7	24,000N
1	2	3	4	5	6	21,500N
						19,000N

U	V	W	X	Y
T	S	R	Q	P
K	L	M	N	O
J	I	H	G	F
A	B	C	D	E

U	V	W	X	Y
r	s	r	q	d
k	i	m	n	o
j	i	h	g	f
a	b	c	d	e

SHEET INDEX

- LEGEND**
- PRINCIPAL ALTERATION TYPES**
- A3 Fresh or weathered granite dikes, and very weak argillization or pervasiveness
  - A2 Intense pervasiveness
  - A5 Intense silification with no visible sulfides
  - A7 Intense silification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2 Weak pervasiveness
  - A2/A3 Moderate pervasiveness
  - A2/A5 Argillization with lesser silification
  - A5/A2 Silification with lesser argillization
  - A2/A7 Argillization with lesser silification
  - A7/A2 Silification with lesser argillization
- O, OB Overburden
  - ✓/✓ Fractures - vertical, dipping
  - ↘/20 Slickenside - direction and angle of plunge
  - Geological contact - defined, approximate
  - ~~~~ Fault

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

SHEET NO.: 26-L-b

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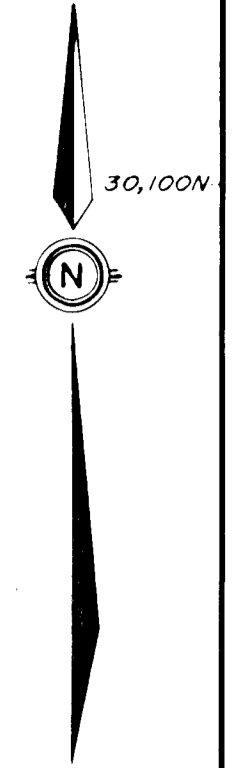
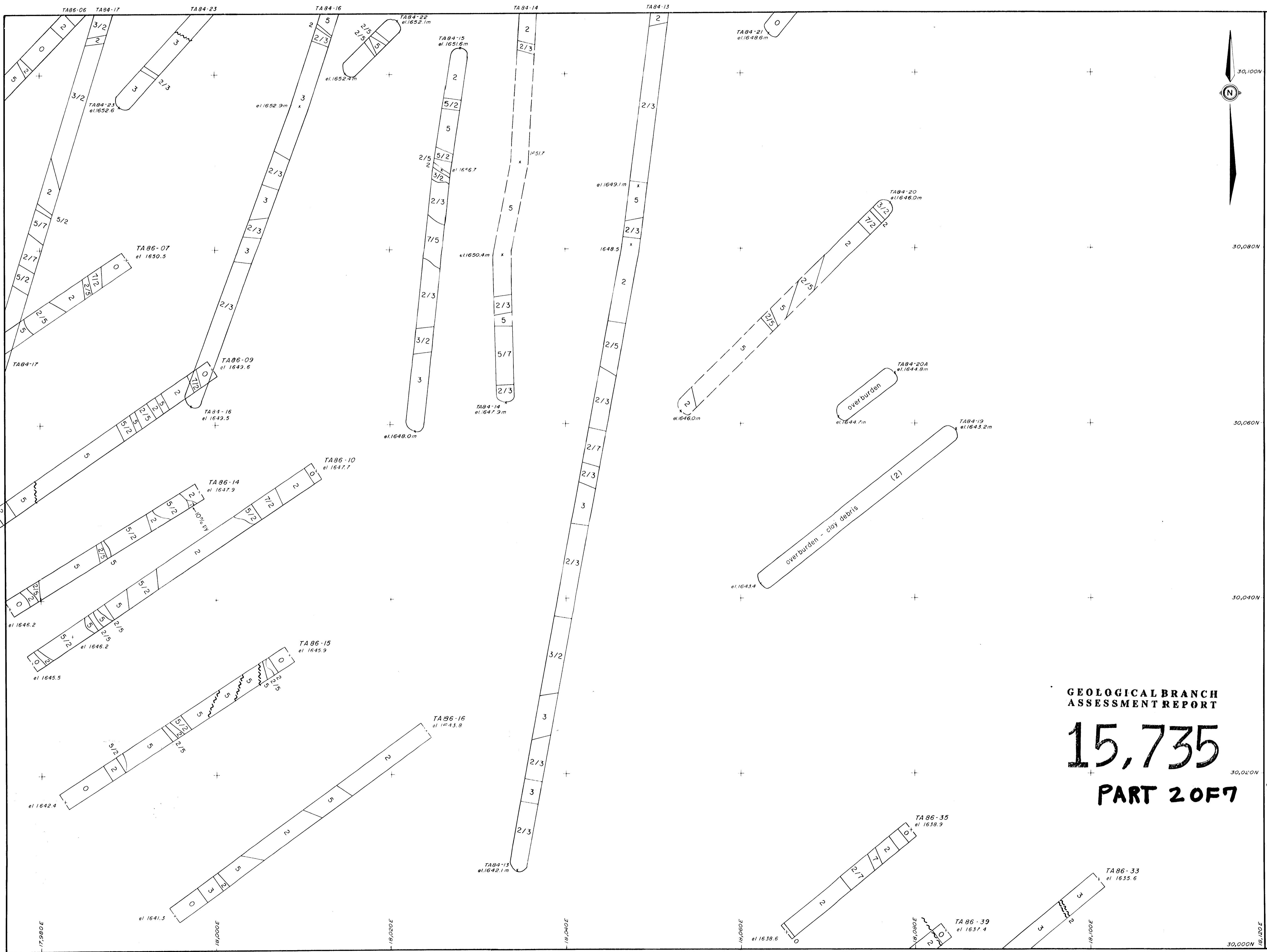
**TRENCH GEOLOGY**

Scale 1:200

Date: AUG. 1985    NTS: 94E/6W    Figure: 19A

17,840E    17,900E    17,960E    17,940E    17,900E    17,840E

30,000N    30,020N    30,060N    30,100N    30,140N    30,180N



37	38	39	40	41	42	36	35	34	33	32	31
25	26	27	28	29	30	24	23	22	21	20	19
13	14	15	16	17	18	12	11	10	9	8	7
1	2	3	4	5	6						

EACH SHEET 1:5000

U	V	W	X	Y
T	S	R	O	P
K	L	M	N	O
J	I	H	G	F
A	B	C	D	E

EACH SHEET 1:1000

U	V	W	X	Y
P	Q	R	S	T
K	L	M	N	O
J	I	H	G	F
D	C	B	A	

EACH SHEET 1:200

SHEET INDEX

LEGEND

- PRINCIPAL ALTERATION TYPES**
- A3 Fresh or weathered grades to druse, also very weak argill. tectonic or propylitic alteration
  - A2 Intense pervasive argillization
  - A5 Intense silicification with no visible sulfides
  - A7 Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2 Weak pervasive argillization
  - A2/A3 Moderate pervasive argillization
  - A2/A5 Argillization with lesser silicification
  - A5/A2 Silicification with lesser argillization
  - No visible sulfides
  - A2/A7 Argillization with lesser silicification
  - A7/A2 Silicification with lesser argillization
  - Visible sulfides
- O, OB Overburden
- ✓ ✓ Fractures vertical, dipping
- ↘ 20 Slickenside direction and angle of plunge
- Geological contact defined  
--- approximate
- ~~~~ Fault

GEOLOGICAL BRANCH ASSESSMENT REPORT

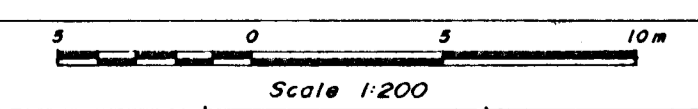
15,735  
PART 2 OF 7

SHEET NO. 26-L-c

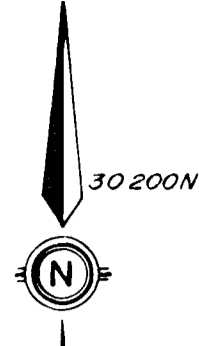
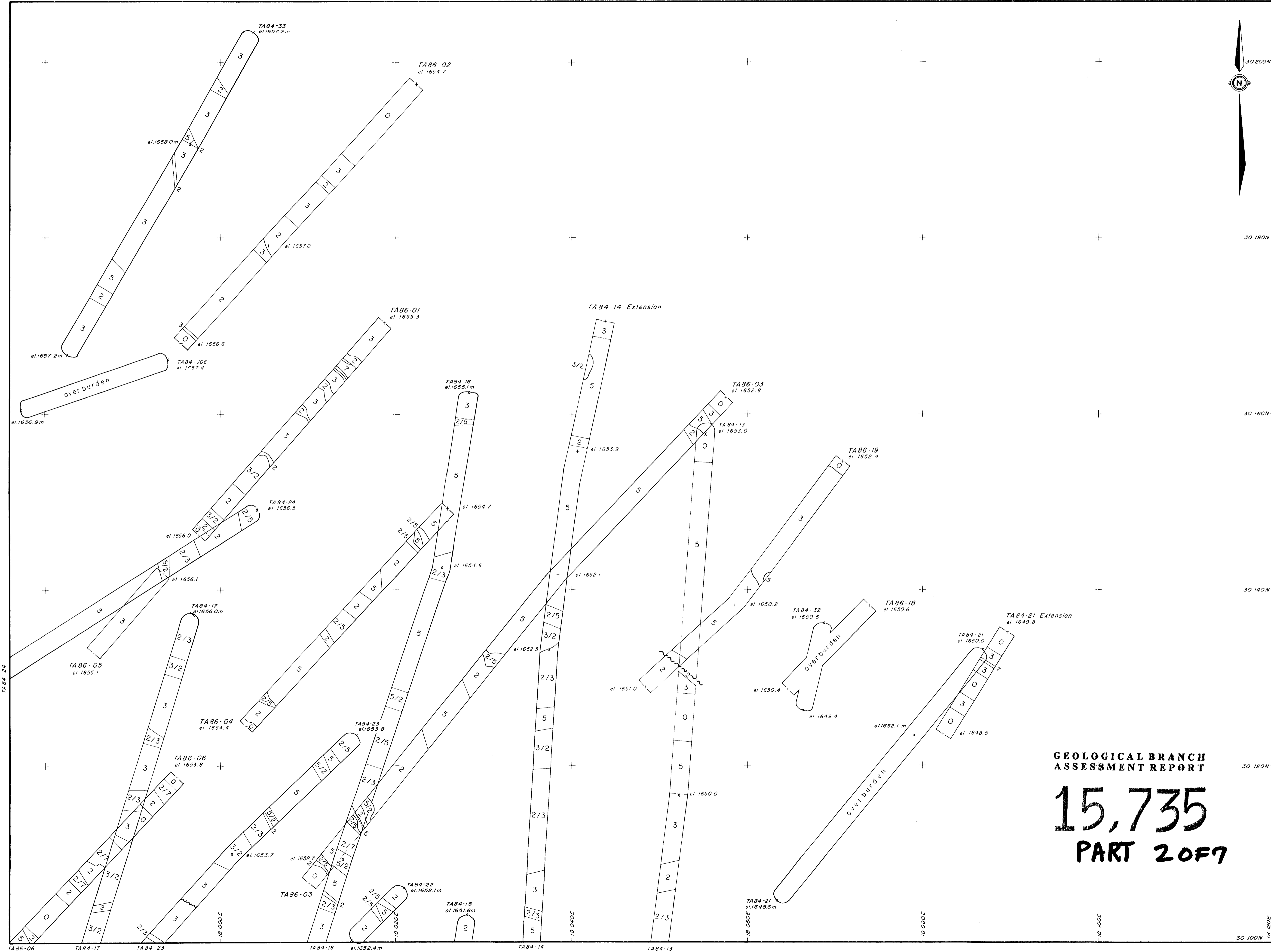
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TRENCH GEOLOGY



Date	AUG, 1985	NTS	9.4E/W	Figure	19B
Revised					



17,000E	17,000E	17,000E	17,000E	17,000E	17,000E	17,000E	17,000E	17,000E	17,000E
37	38	39	40	41	42	18,500N			
36	35	34	33	32	31	19,000N			
25	26	27	28	29	30	19,500N			
24	23	22	21	20	19	20,000N			
13	14	15	16	17	18	20,500N			
12	11	10	9	8	7	21,000N			
1	2	3	4	5	6	21,500N			

EACH SHEET 1:1000

18,500E	18,500E	18,500E	18,500E	18,500E	18,500E	18,500E	18,500E	18,500E	18,500E
U	V	W	X	Y	19,000E				
T	S	R	Q	P	19,500E				
K	L	M	N	O	20,000E				
J	I	H	G	F	20,500E				
A	B	C	D	E	21,000E				

EACH SHEET 1:800

18,500E	18,500E	18,500E	18,500E	18,500E	18,500E	18,500E	18,500E	18,500E	18,500E
U	V	W	X	Y	19,000E				
I	B	r	q	D	19,500E				
K	L	M	N	O	20,000E				
J	I	H	G	F	20,500E				
A	B	C	D	E	21,000E				

SHEET INDEX

LEGEND

- PRINCIPAL ALTERATION TYPES
- A3 Fresh or weathered andesite-dacite, also very weak argillic, sericitic or propylitic alteration
  - A2 Intense pervasive argillization
  - A5 Intense silicification with no visible sulfides
  - A7 Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES
- A3/A2 Weak pervasive argillization
  - A2/A3 Moderate pervasive argillization
  - A2/A5 Argillization with lesser silicification
  - A5/A2 Silicification with lesser argillization
  - No visible sulfides
  - A2/A7 Argillization with lesser silicification
  - A7/A2 Silicification with lesser argillization
  - Visible sulfides
- O, OB Overburden
  - ✓ Fractures vertical, dipping
  - ↘<sub>20</sub> Slickenside direction and angle of plunge
  - Geological contact defined
  - - - - - Geological contact approximate
  - ~~~~~ Fault

SHEET NO.: 26-L-n

GEOLOGICAL BRANCH ASSESSMENT REPORT

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PART 2 OF 7

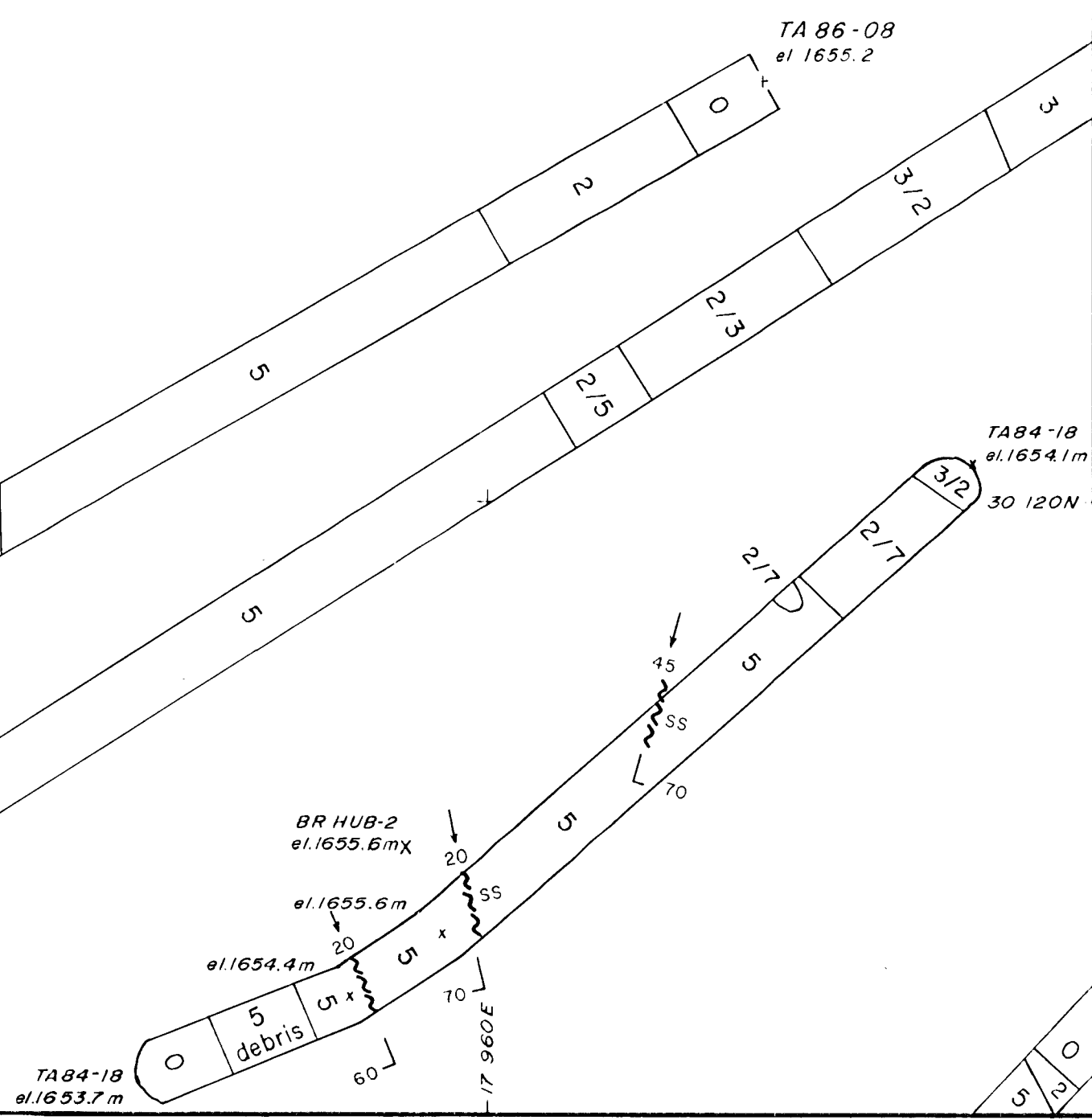
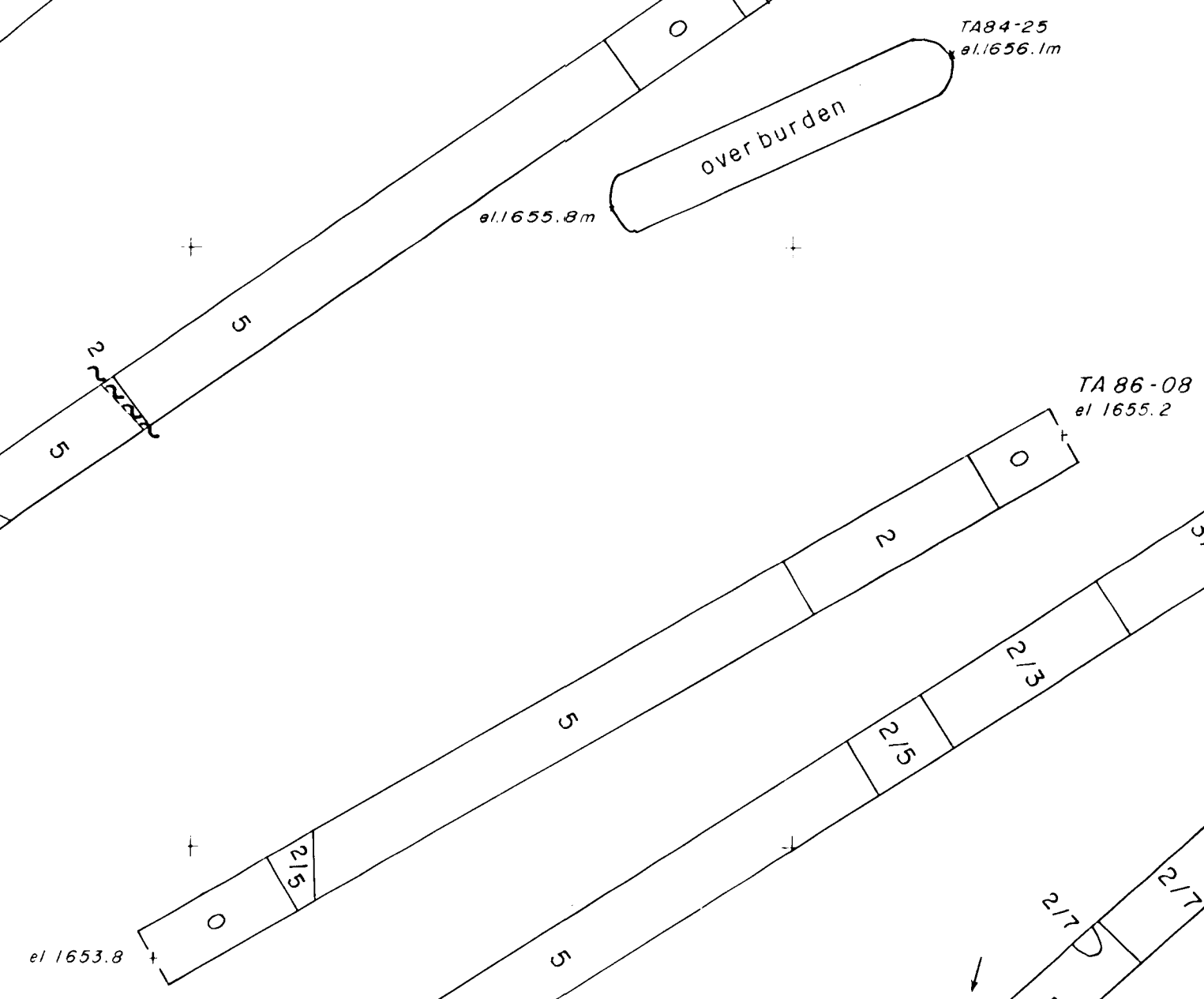
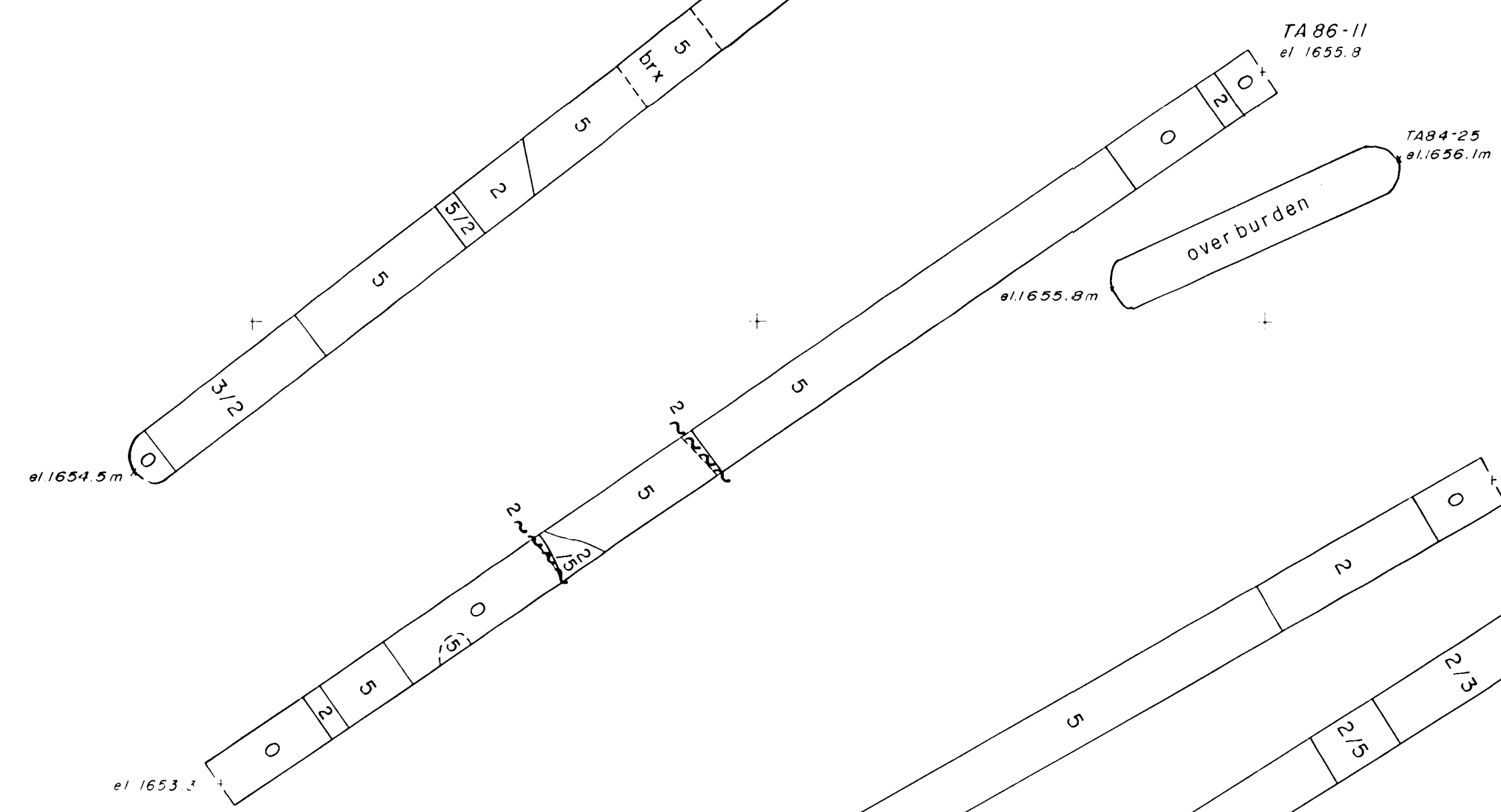
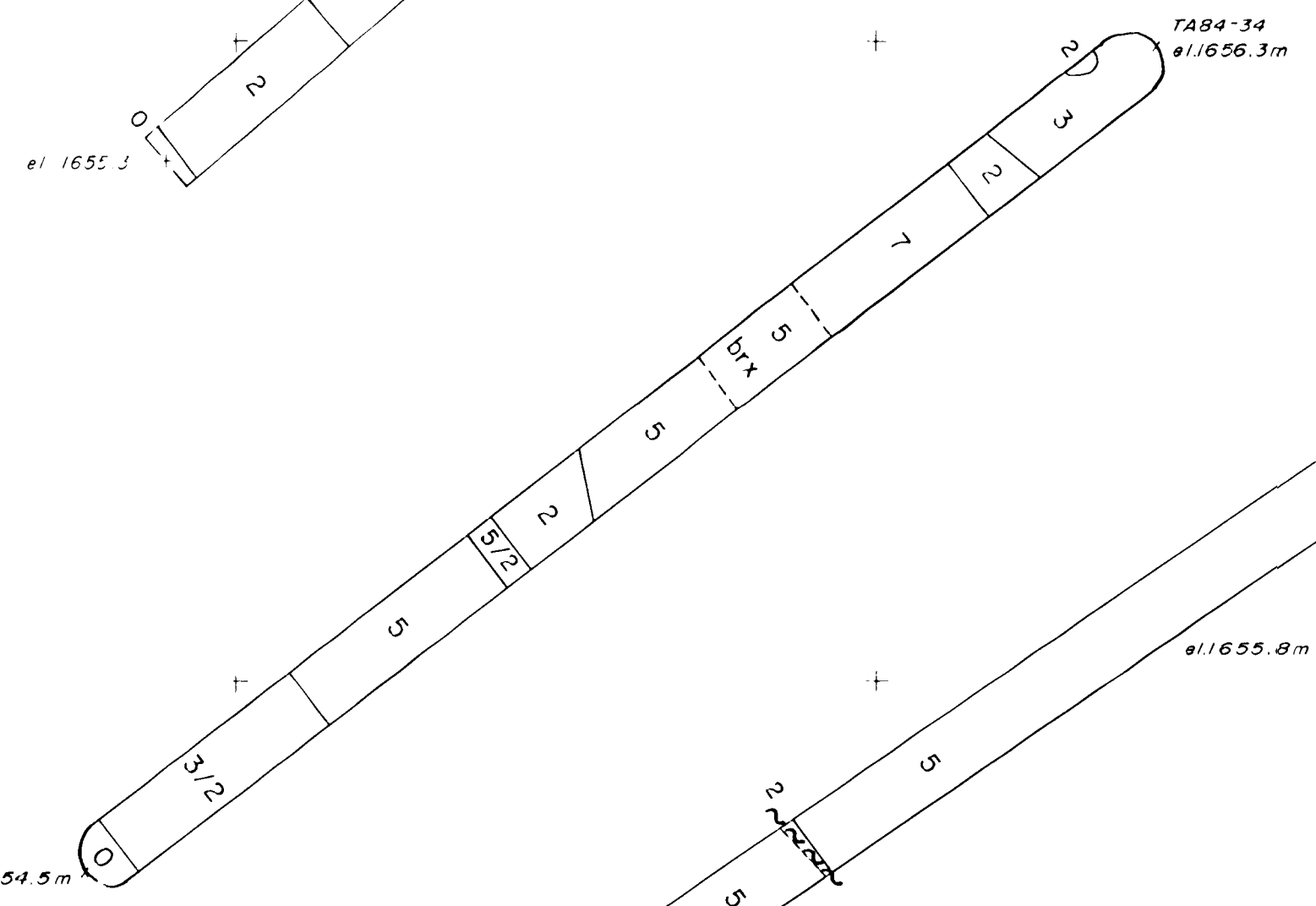
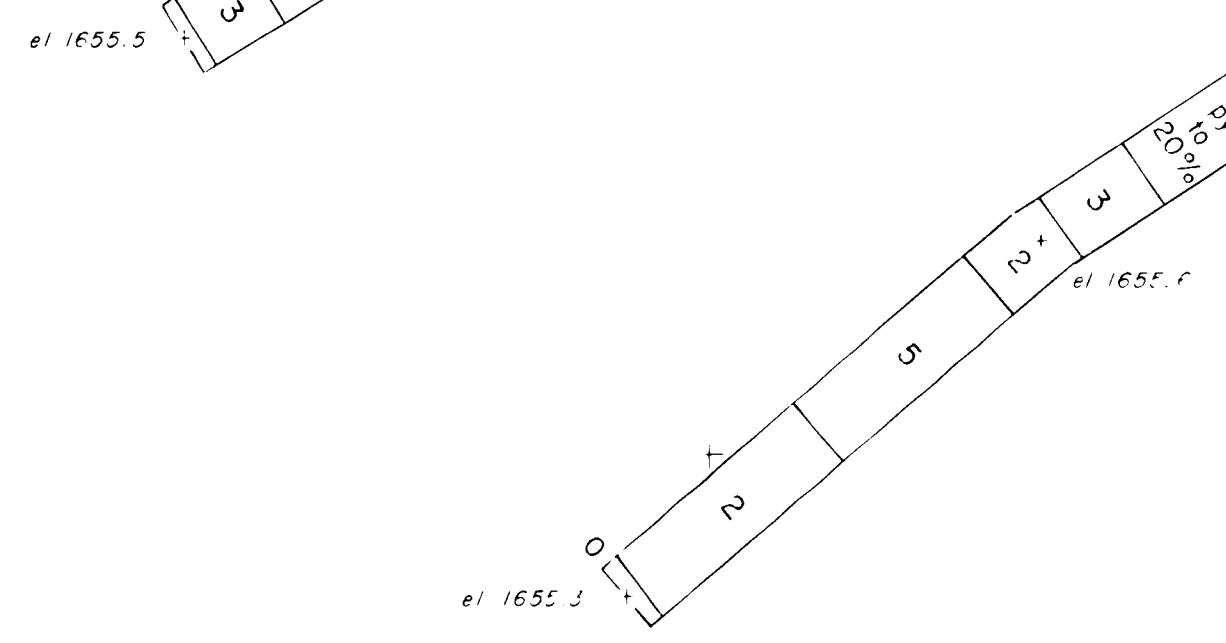
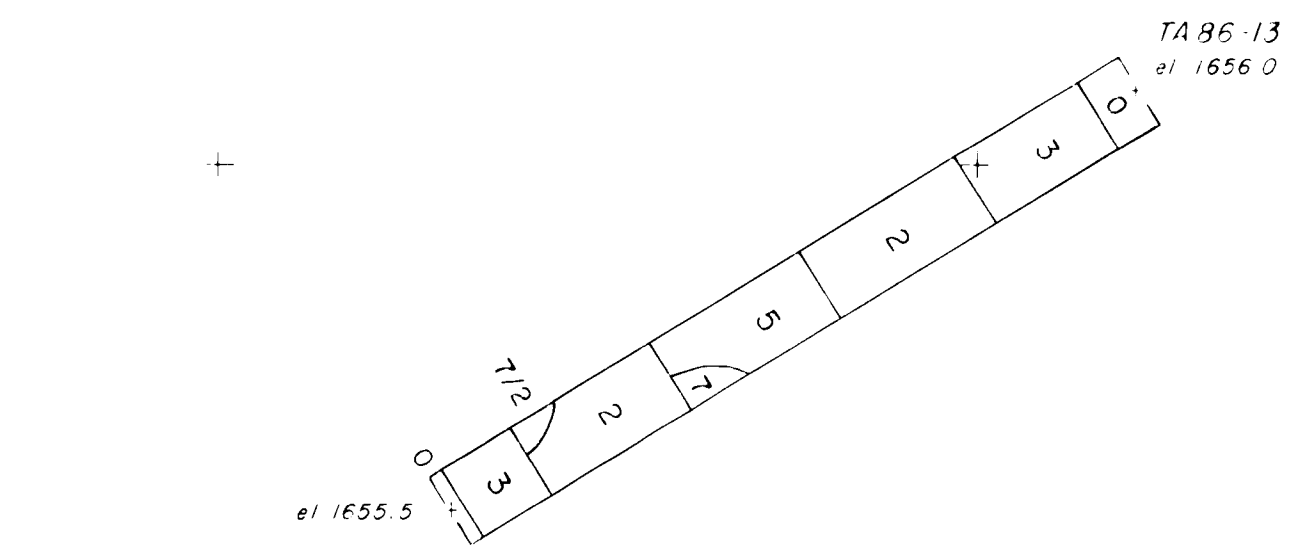
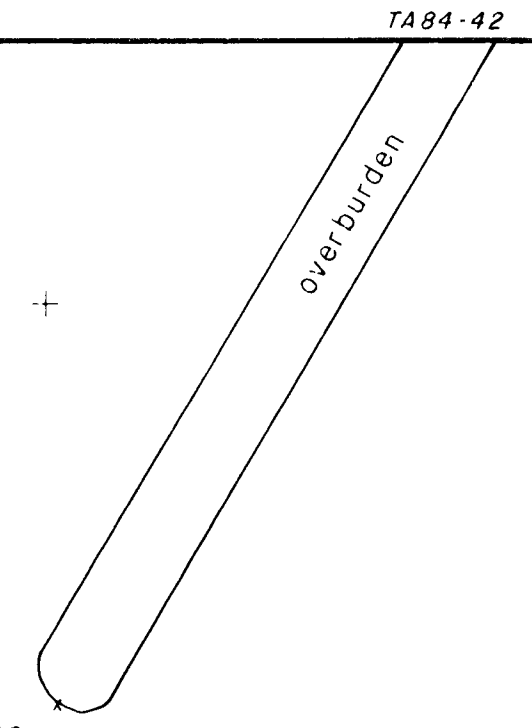
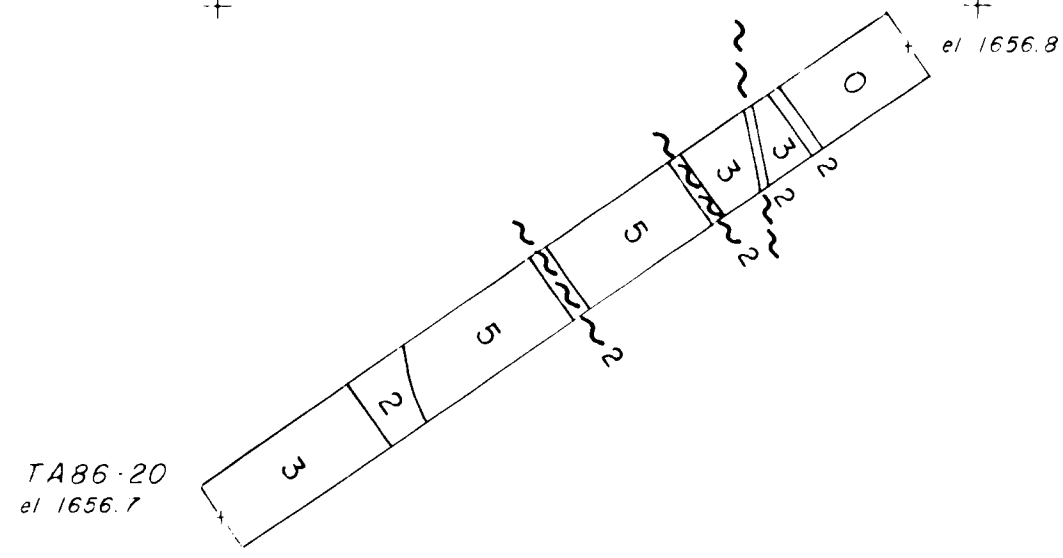
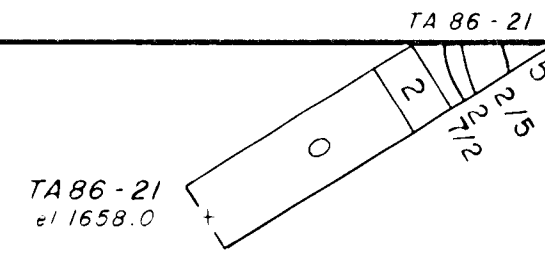
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At Property  
THESES III ZONE

TRENCH GEOLOGY

Scale 1:200

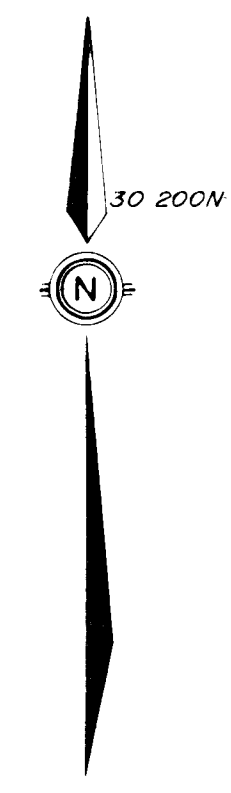
Date: AUG, 1985  
Revised: NTS: 94E/6W Figure: 19c



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36	35	34	33	32	31	-34,000
25	26	27	28	29	30	-31,500
24	23	22	21	20	19	-29,000
13	14	15	16	17	18	-26,500
12	11	10	9	8	7	-24,000
1	2	3	4	5	6	-21,500
						-19,000

EACH SHEET 1:800

U	V	W	X	Y
T	S	R	Q	P
K	L	M	N	O
J	I	H	G	F
A	B	C	D	E

EACH SHEET 1:200

U	V	W	X	Y
I	E	R	Q	P
K	L	M	N	O
J	I	H	G	F
A	B	C	D	E

**LEGEND**

- PRINCIPAL ALTERATION TYPES**
- A3** Fresh or weathered andesite dacite, also very weak argillic, sericitic or propylitic alteration
  - A2** Intense pervasive argillization
  - A5** Intense silicification with no visible sulfides
  - A7** Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2** Weak pervasive argillization
  - A2/A3** Moderate pervasive argillization
  - A2/A5** Argillization with lesser silicification
  - A5/A2** Silicification with lesser argillization
  - A5/A7** No visible sulfides
  - A2/A7** Argillization with lesser silicification
  - A7/A2** Silicification with lesser argillization
  - Visible sulfides
- O, OB** Overburden
  - ✓ ✓ Fractures: vertical, dipping
  - ↘ 20 Slickenside: direction and angle of plunge
  - Geological contact: defined, approximate
  - ~~~~ Fault

SHEET NO.: 26-L-1

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At Property  
THESIS III ZONE

**TRENCH GEOLOGY**



Date AUG, 1985  
Revised NTS 94 E/W Figure 19D

17 840E

17 860E

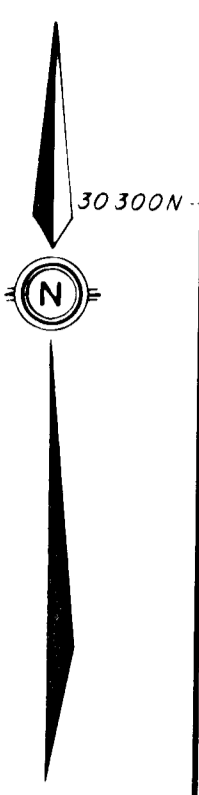
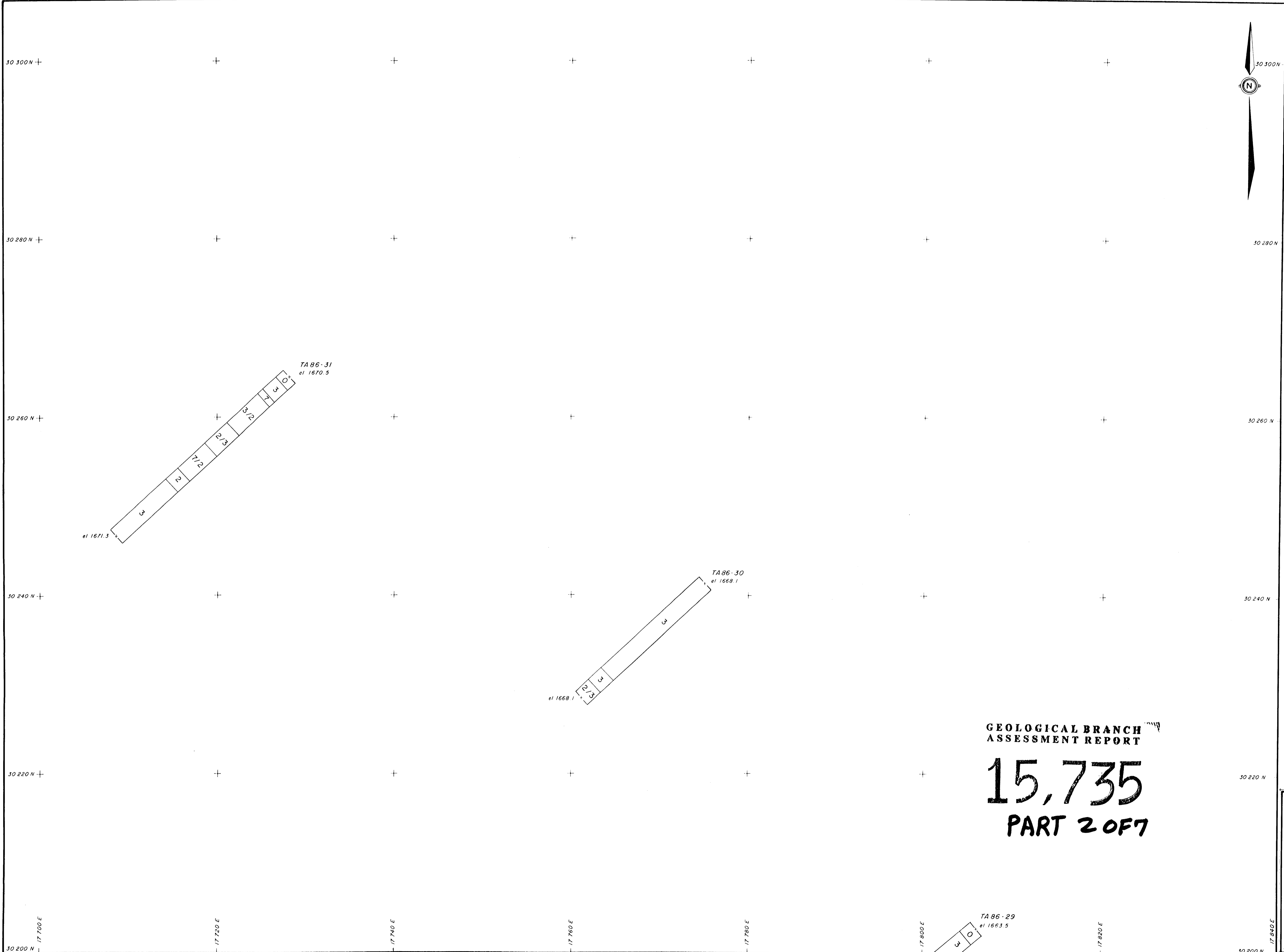
17 880E

17 900E

17 920E

17 940E

TA 86-06



**LEGEND**

- PRINCIPAL ALTERATION TYPES**
- A3** Fresh or weathered andesite-dacite, also very weak argillitic, sericitic or propylitic alteration
  - A2** Intense pervasive argillization
  - A5** Intense silicification with no visible sulfides
  - A7** Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2** Weak pervasive argillization
  - A2/A3** Moderate pervasive argillization
  - A2/A5** Argillization with lesser silicification
  - A5/A2** Silicification with lesser argillization
  - A5/A7** No visible sulfides
  - A2/A7** Argillization with lesser silicification
  - A7/A2** Silicification with lesser argillization
  - Visible sulfides
- O, OB** Overburden
  - ✓ ✓ Fractures vertical, dipping
  - ↘<sub>20</sub> Slickenside direction and angle of plunge
  - Geological contact defined
  - Geological contact approximate
  - ~~~~ Fault

SHEET NO.: 26-L-j

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

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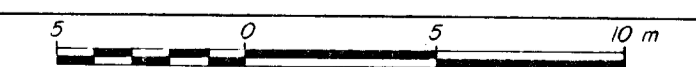
All Property  
THEISIS III ZONE

**TRENCH GEOLOGY**

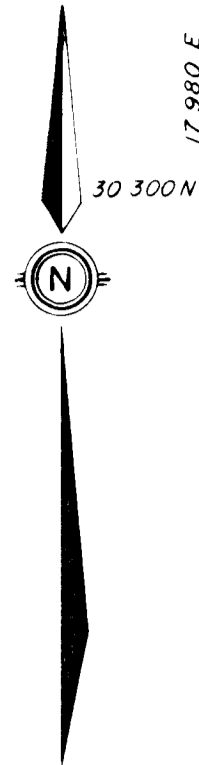
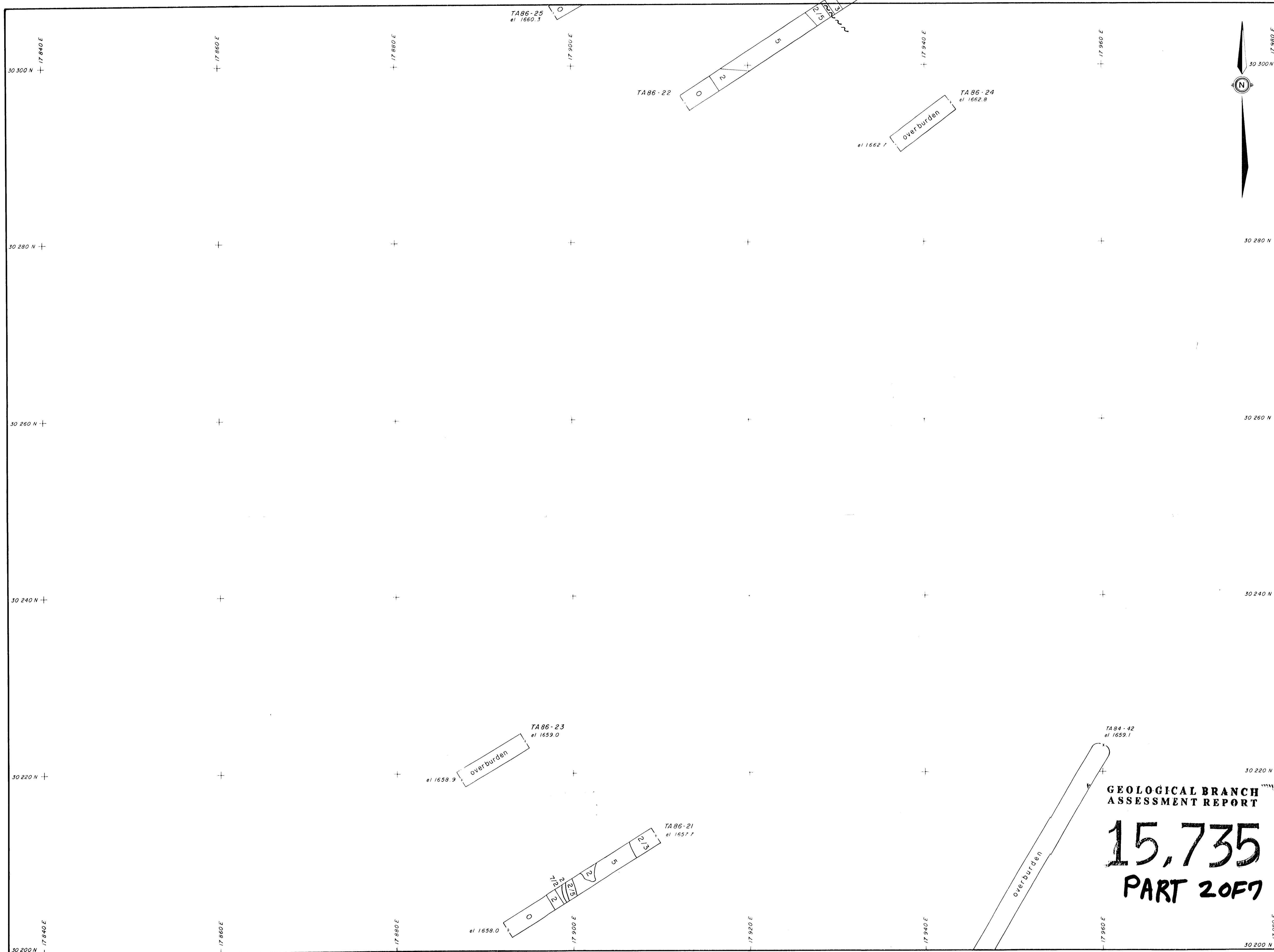
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SCALE 1:200

Date: Oct 1986      NTS: 94E/6W      Figure: 19 E



Date: Oct 1986      NTS: 94E/6W      Figure: 19 E



**LEGEND**

- PRINCIPAL ALTERATION TYPES**
- A3 Fresh or weathered andesite-dacite, also very weak argillic, sericitic or propylitic alteration
  - A2 Intense pervasive argillization
  - A5 Intense silicification with no visible sulfides
  - A7 Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2 Weak pervasive argillization
  - A2/A3 Moderate pervasive argillization
  - A2/A5 Argillization with lesser silicification
  - A5/A2 Silicification with lesser argillization
  - A5/A7 No visible sulfides
  - A2/A7 Argillization with lesser silicification
  - A7/A2 Silicification with lesser argillization
  - A7/A7 Visible sulfides
- O, OB Overburden
  - ✓ ✓ Fractures vertical, dipping
  - ↘<sub>20</sub> Slickenside direction and angle of plunge
  - Geological contact defined  
- - - approximate
  - ~~~~ Fault

SHEET NO.: 26-L-1

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735  
PART 2 OF 7**

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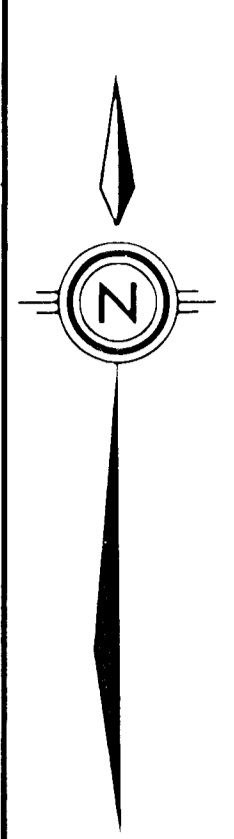
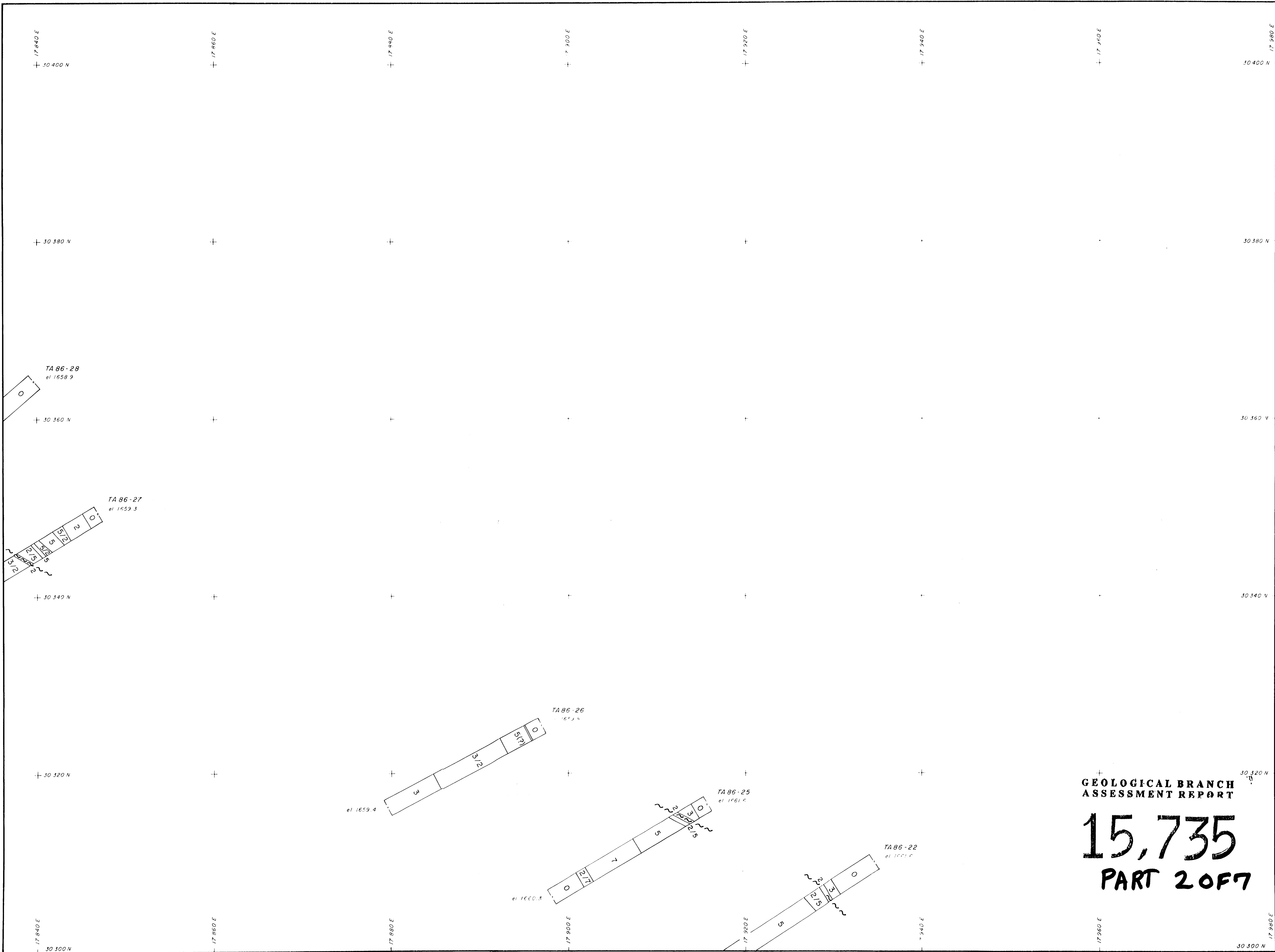
All Property  
THEISIS III ZONE

**TRENCH GEOLOGY**

---

5 0 5 10 m  
SCALE 1:200

Date Oct 1988  
Revised NTS 94E/6W Figure 19F



**LEGEND**

- PRINCIPAL ALTERATION TYPES**
- A3** Fresh or weathered oxide-ferrosilite, also very weak argillitic, sericitic or pyritic alteration
  - A2** Intense pervasive argillization
  - A5** Intense silicification with no visible sulfides
  - A7** Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2** Weak pervasive argillization
  - A2/A3** Moderate pervasive argillization
  - A2/A5** Argillization with lesser silicification
  - A5/A2** Silicification with lesser argillization
  - A5/A7** Argillization with lesser silicification
  - A7/A2** Silicification with lesser argillization
  - Visible sulfides
- O, OB** Overburden
  - ✓ ✓ Fractures: vertical, dipping
  - ↘<sub>20</sub> Slickenside direction and angle of plunge
  - Geological contact: defined, approximate
  - ~ Fault

SHEET NO.: 26-L-5

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

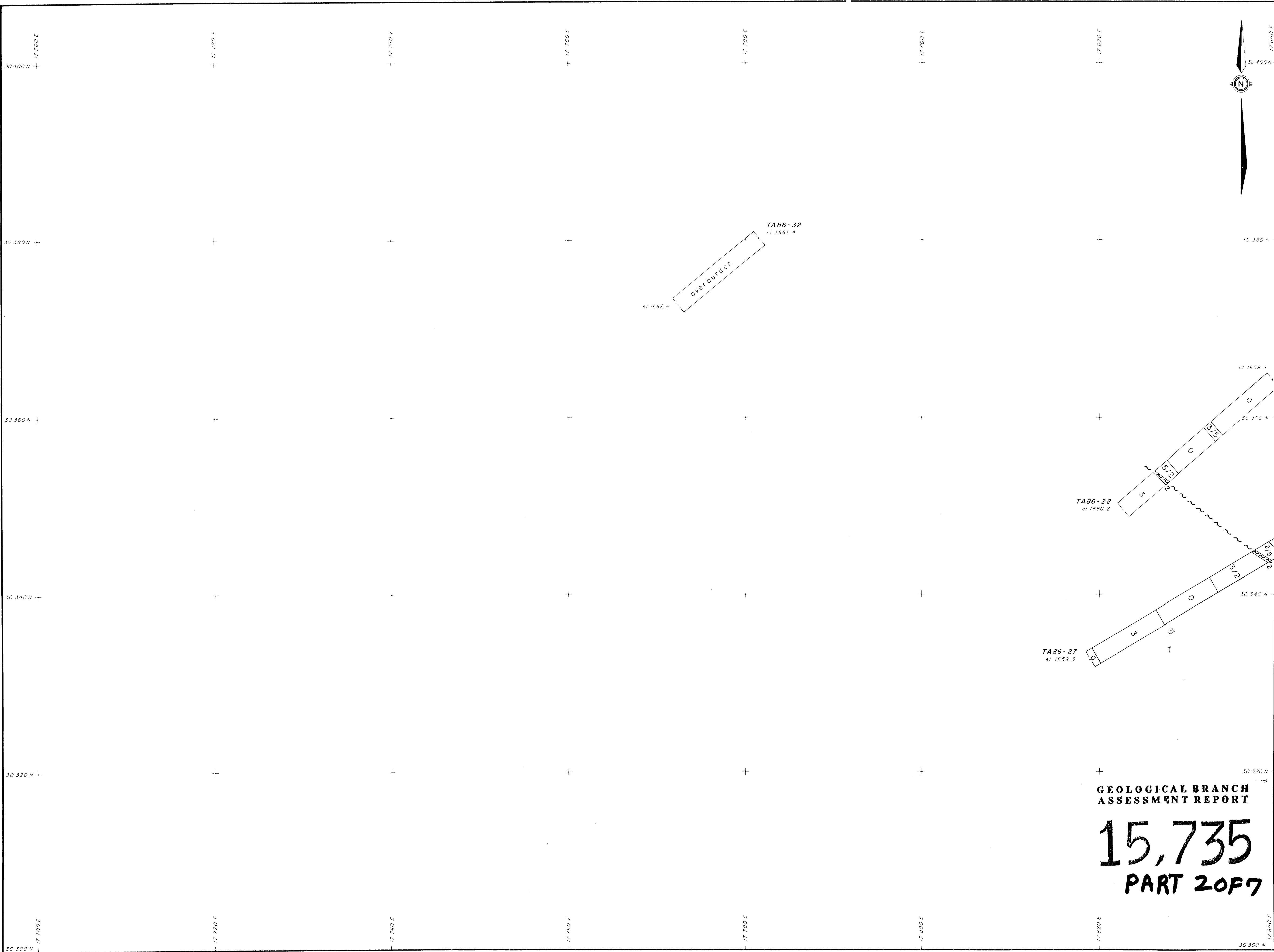
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THESES III ZONE

**TRENCH GEOLOGY**

SCALE 1:200

Date: Dec 1986	NTS: 94E/6W	Figure: 19G
Revised:		



**LEGEND**

- PRINCIPAL ALTERATION TYPES**
- A3 Fresh to weathered argillite duffe, silvery black dip to southeast or northeast orientation
  - A2 Intense pervasive argillization
  - A5 Intense silicification with no visible sulfides
  - A7 Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2 Weak pervasive argillization
  - A2/A3 Moderate pervasive argillization
  - A2/A5 Argillization with lesser silicification
  - A5/A2 Silicification with lesser argillization
  - No visible sulfides
  - A2/A7 Argillization with lesser silicification
  - A7/A2 Silicification with lesser argillization
  - Visible sulfides
- O, OB Overburden
  - ✓ ✓ Fractures: vertical, dipping
  - ↘ 20° Slickenside: direction and angle of plunge
  - Geological contact: defined, approximate
  - ~~~~ Fault

SHEET NO. 26-L-1

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

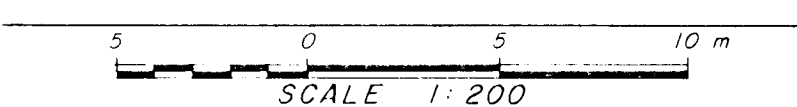
**15,735**

**PART 2 OF 7**

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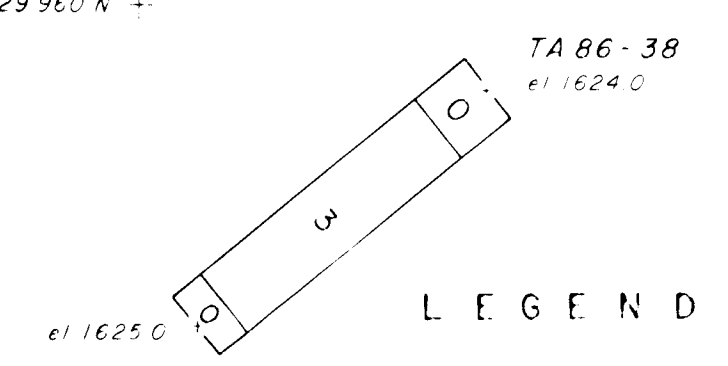
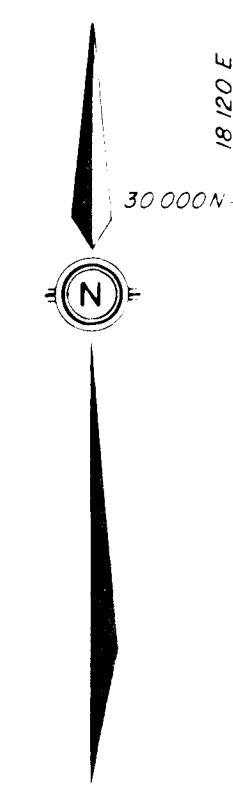
AI Property  
THEISIS III ZONE

**TRENCH GEOLOGY**



Date Dec 1986	NTS 94E, 6W	Figure 19H
Revised		





**LEGEND**

- PRINCIPAL ALTERATION TYPES**
- A3** Fresh or weathered andesite-dacite, also very weak argill. sericitic or propylitic alteration
  - A2** Intense pervasive argillization
  - A5** Intense silicification with no visible sulfides
  - A7** Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2** Weak pervasive argillization
  - A2/A3** Moderate pervasive argillization
  - A2/A5** Argillization with lesser silicification
  - A5/A2** Silicification with lesser argillization
  - No visible sulfides
  - A2/A7** Argillization with lesser silicification
  - A7/A2** Silicification with lesser argillization
  - Visible sulfides
- O, OB** Overburden
  - Fractures vertical, dipping
  - Slickenside direction and angle of plunge
  - Geological contact defined
  - Geological contact approximate
  - Fault

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**

**PART 2 OF 7**

Sheet 26-I-W

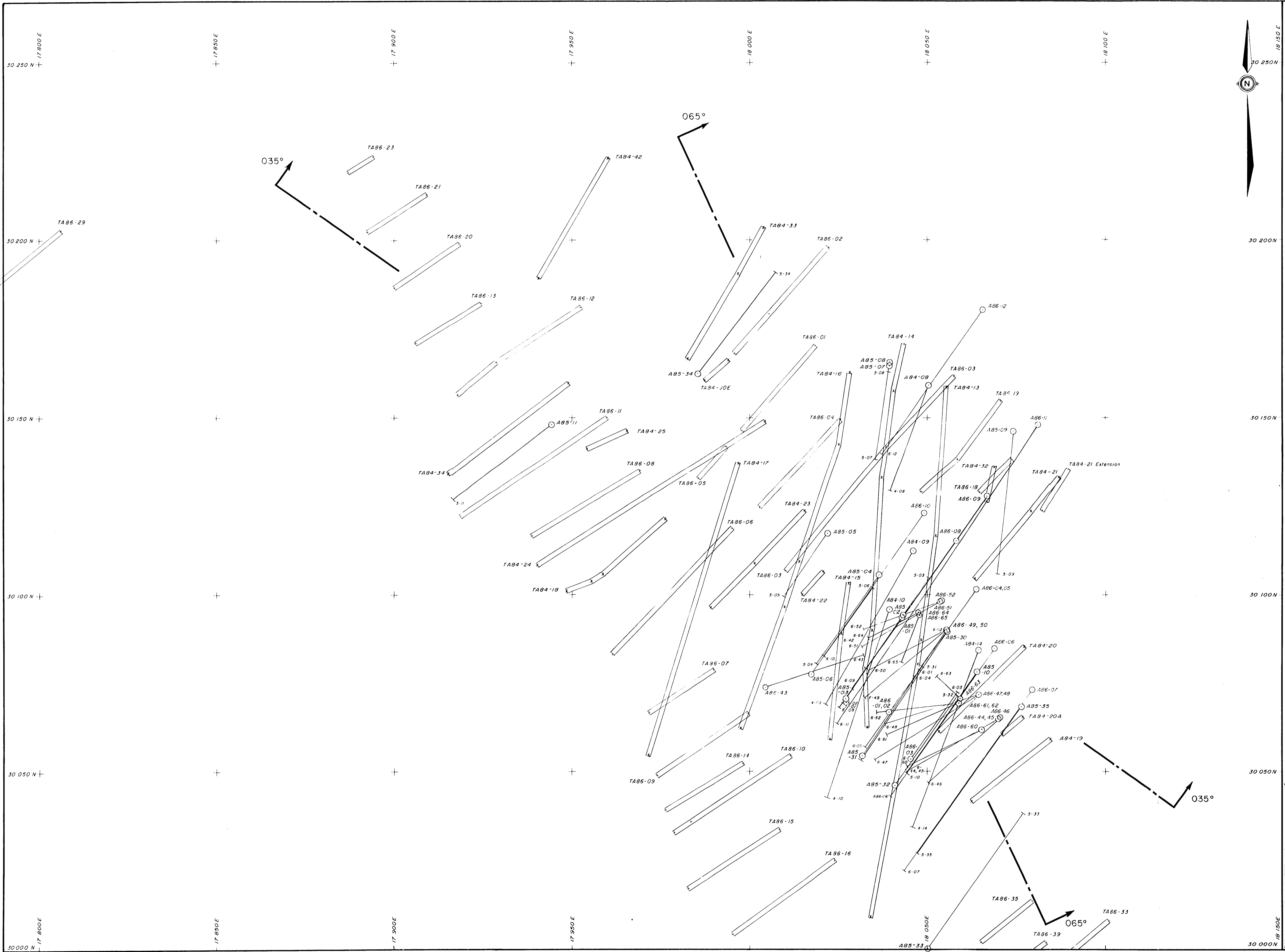
**energex**  
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THESIS III ZONE

**TRENCH GEOLOGY**

SCALE 1:200

Date Oct 1996  
Revised NTS 94E/W Figure 19 I



37	38	39	40	41	42	36,500N
36	35	34	33	32	31	34,000N
25	26	27	28	29	30	31,500N
24	23	22	21	20	19	29,000N
13	14	15	16	17	18	24,000N
12	11	10	9	8	7	21,500N
1	2	3	4	5	6	18,000N

EACH SHEET 1:5000

21,300N	U	V	W	X	Y
21,000N	T	S	R	Q	P
20,500N	K	L	M	N	O
20,000N	J	I	H	G	F
19,500N	A	B	C	D	E

EACH SHEET 1:1000

19,300N	iv	iii
19,200N	i	ii

EACH SHEET 1:500

SHEET INDEX

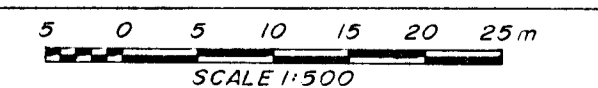
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

15,735  
PART 2 OF 7

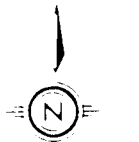
SHEET NO: 26-L-11

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THIS IS III ZONE  
Trenches &  
Diamond Drill Holes



Date JAN, 1986  
Revised NTS. 94 E/W Figure 18



29 840 N

### LEGEND

#### PRINCIPAL ALTERATION TYPES

- A3** Fresh or weathered andesite-dacite, also very weak argillic, sericitic or propylitic alteration
- A2** Intense pervasive argillization
- A5** Intense silicification with no visible sulfides
- A7** Intense silicification with visible sulfides

#### TRANSITIONAL ALTERATION TYPES

- A3/A2** Weak pervasive argillization
- A2/A3** Moderate pervasive argillization
- A2/A5** Argillization with lesser silicification
- A5/A2** Silicification with lesser argillization
- No visible sulfides**
- A2/A7** Argillization with lesser silicification
- A7/A2** Silicification with lesser argillization
- Visible sulfides**

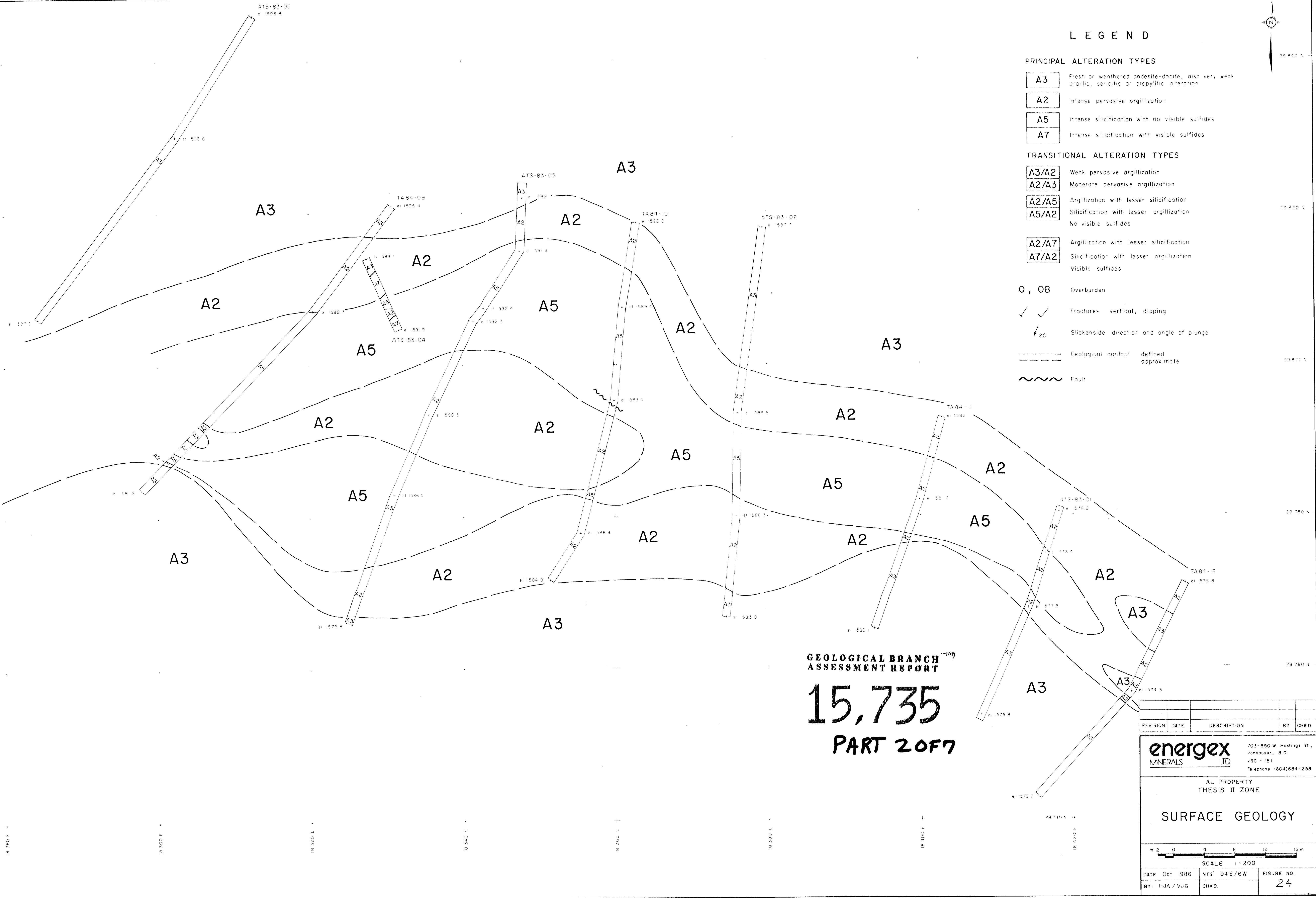
- O, OB** Overburden
- Fractures vertical, dipping
- Slickenside direction and angle of plunge
- Geological contact defined approximate
- Fault

29 820 N

29 800 N

29 780 N

29 760 N



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

# 15,735

**PART 2 OF 7**

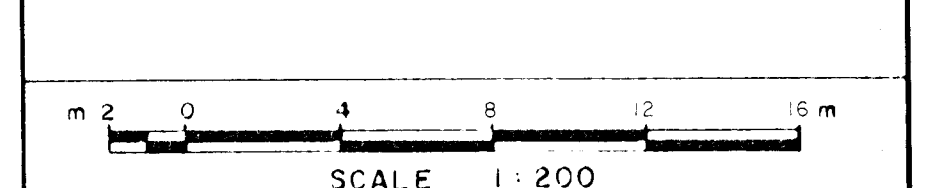
REVISION	DATE	DESCRIPTION	BY	CHKD

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AL PROPERTY  
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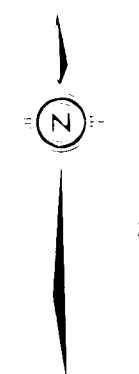
## SURFACE GEOLOGY



DATE Oct 1986	NFS 94E/6W	FIGURE NO.
BY HJA/VJG	CHKD	24

18 280 E    18 300 E    18 320 E    18 340 E    18 360 E    18 380 E    18 400 E

29 740 N    29 760 N    29 780 N    29 800 N    29 820 N    29 840 N



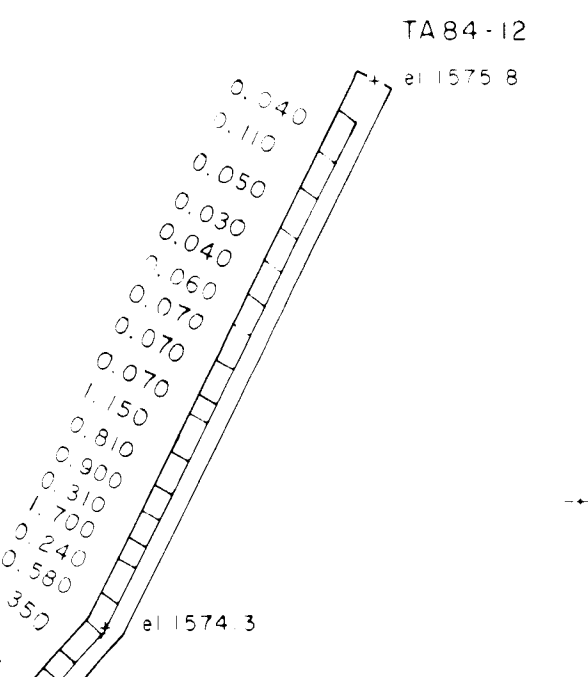
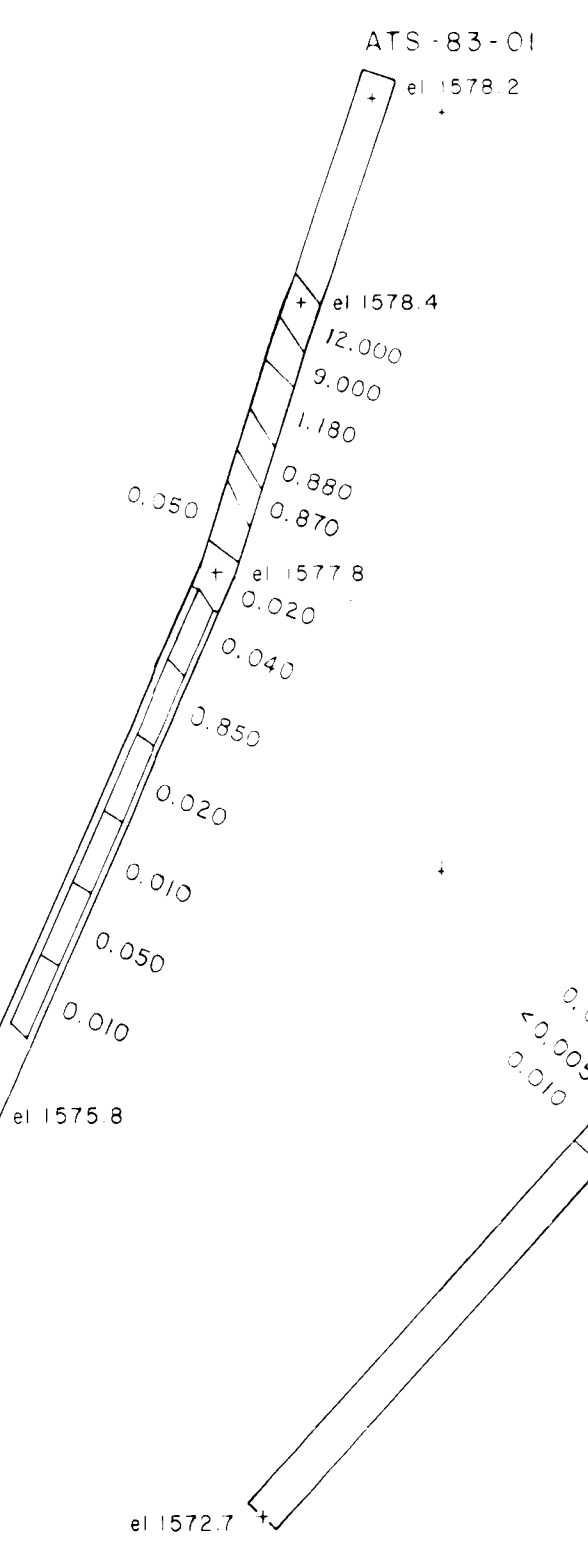
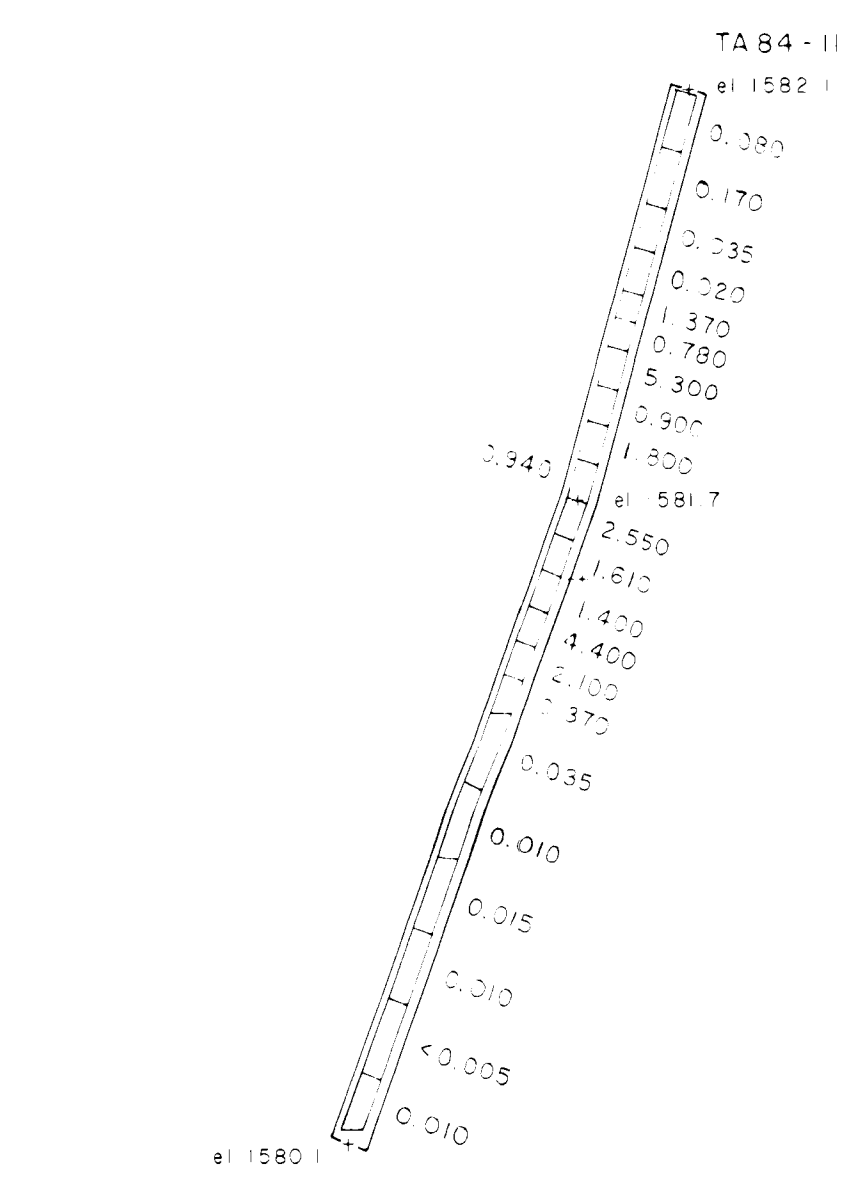
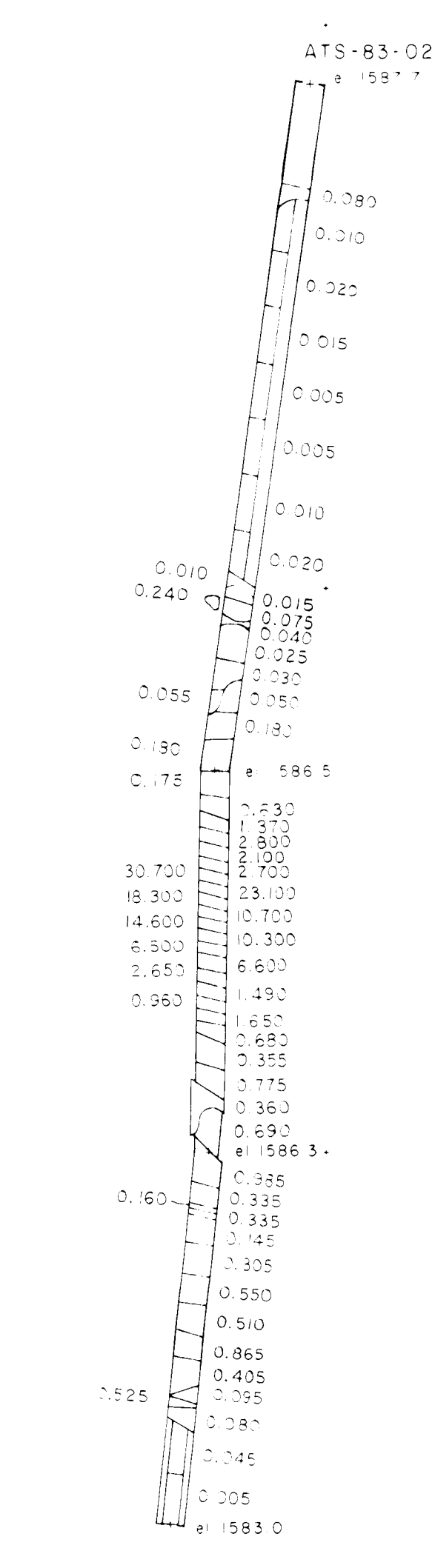
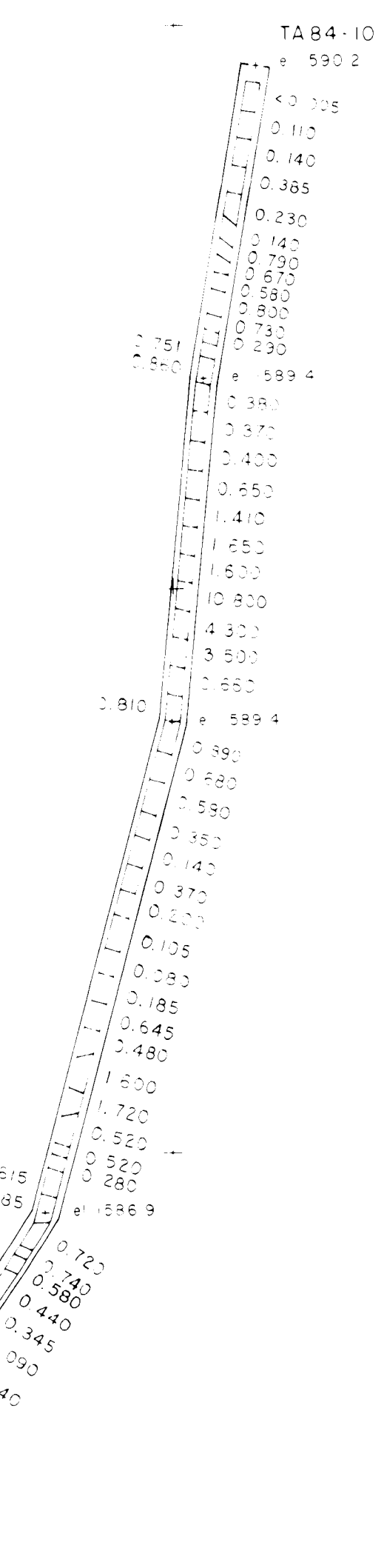
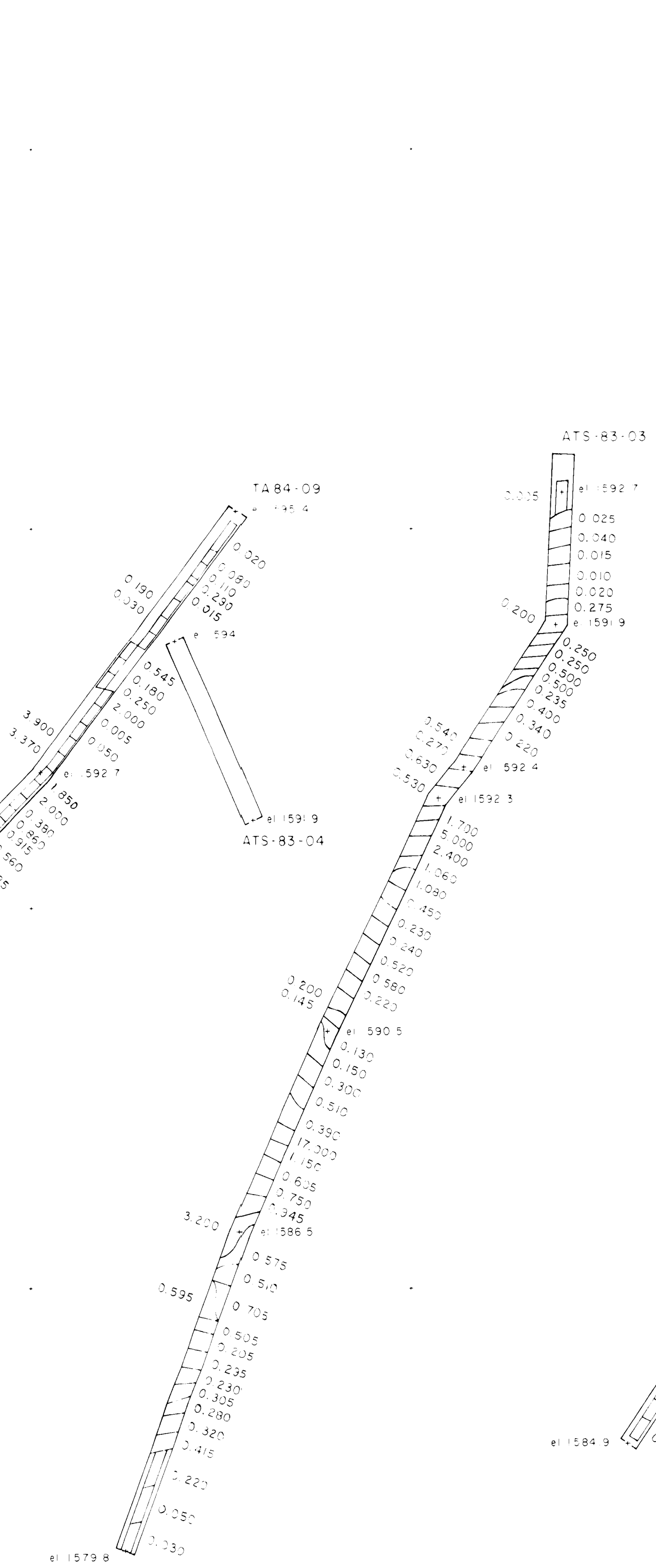
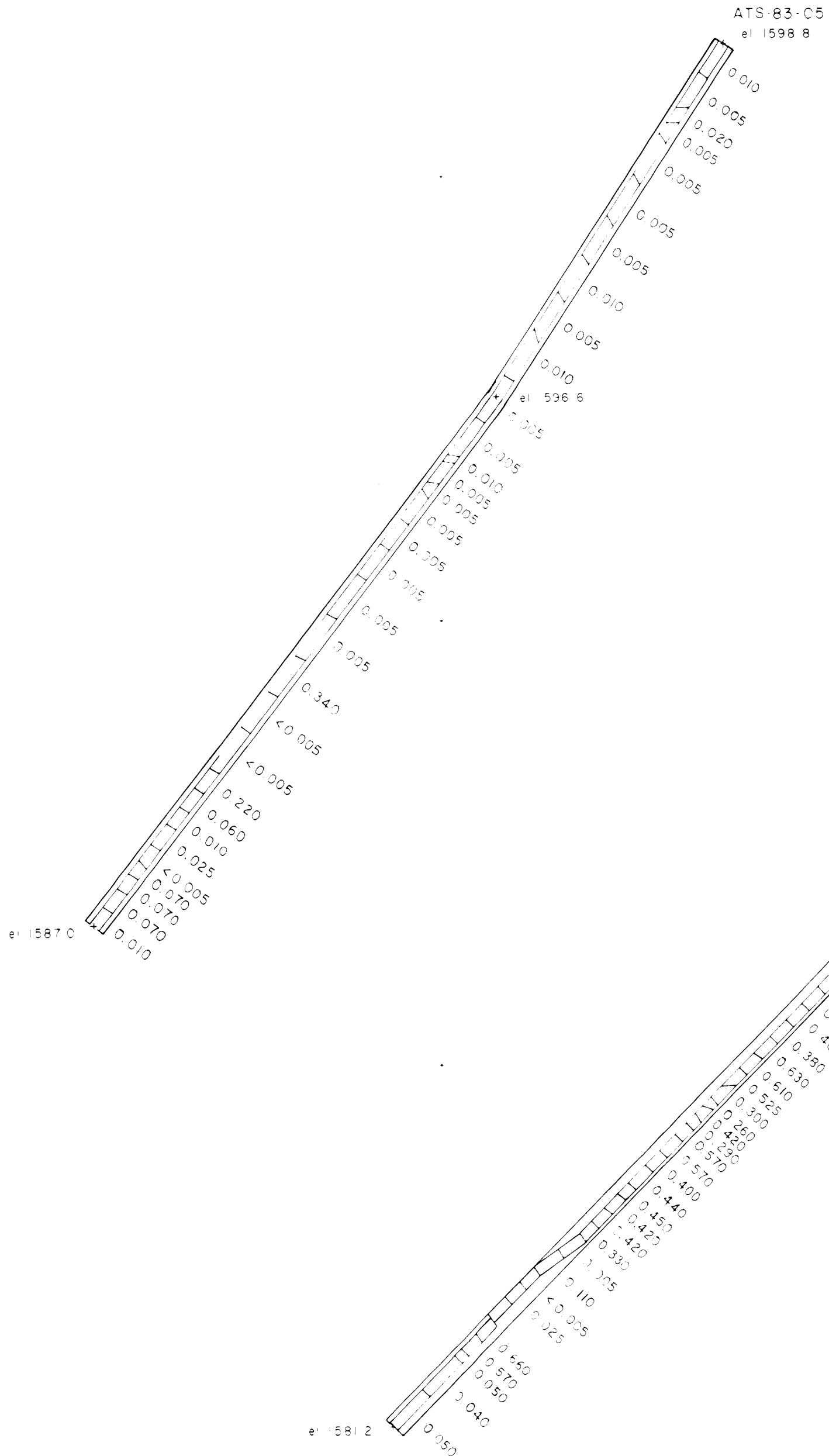
29 840 N

29 820 N

29 800 N

29 780 N

29 760 N



# GEOLOGICAL BRANCH ASSESSMENT REPORT

# 15,735

# PART 2 OF 7

### LEGEND

Trench sample with gold assay value (g/t)

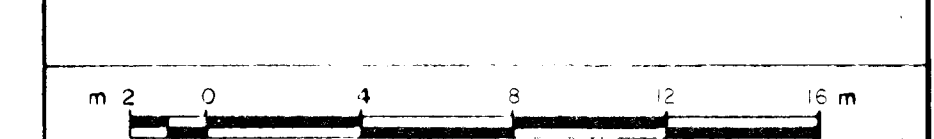
REVISION	DATE	DESCRIPTION	BY	CHKD

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THESES II ZONE

## GOLD ASSAY VALUES FROM TRENCHES



DATE	1986	NTS	94 E / 6 W	FIGURE NO.	23
BY:		CHKD.			

18 280 E

18 300 E

18 320 E

18 340 E

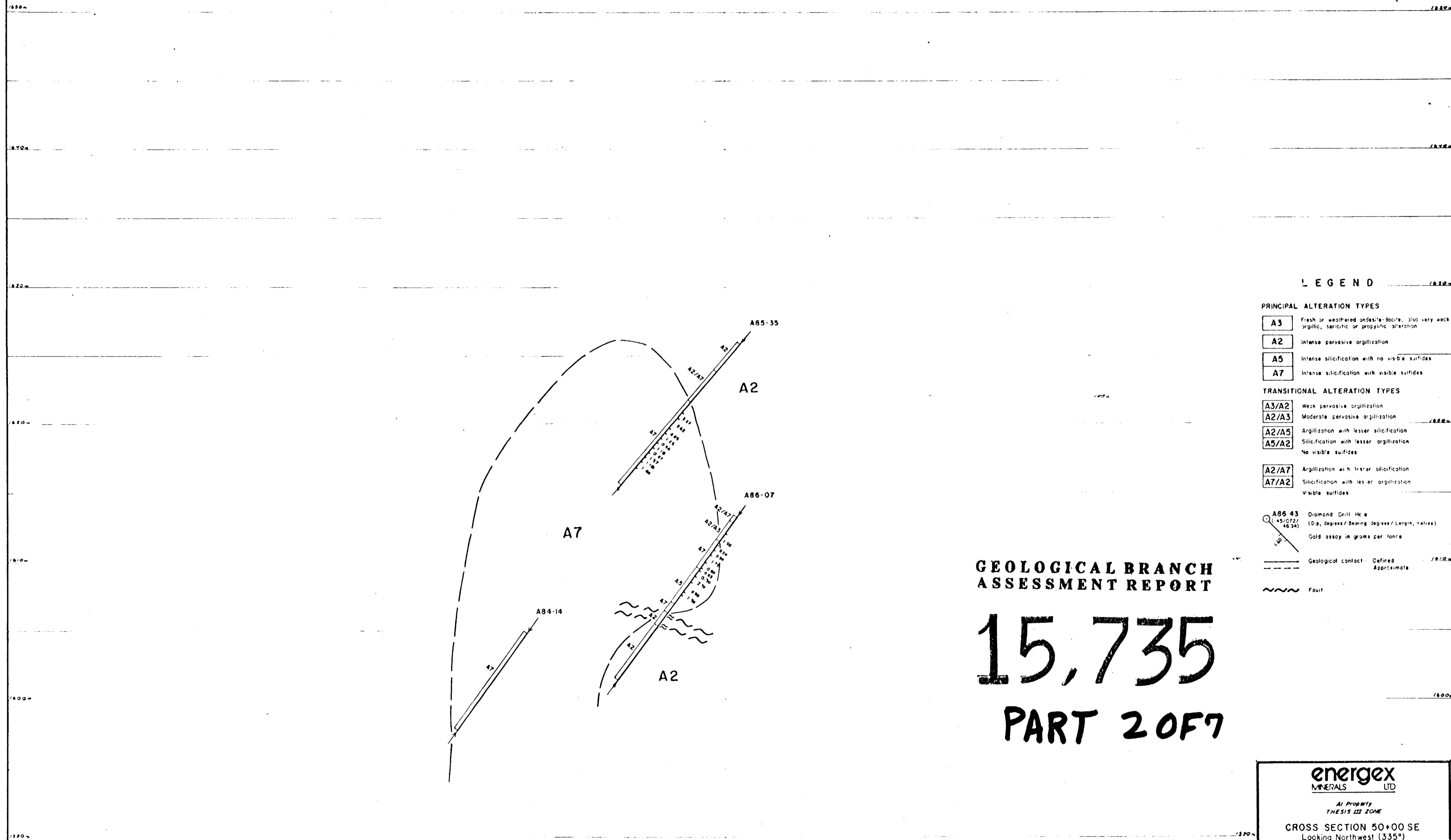
18 360 E

18 380 E

18 400 E

29 740 N

18 420 E



**LEGEND**

- PRINCIPAL ALTERATION TYPES**
- A3** Fresh or weathered andesite-dolite, also very weak argillic, sericitic or propylitic alteration
  - A2** Intense pervasive argillization
  - A5** Intense silicification with no visible sulfides
  - A7** Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2** Weak pervasive argillization
  - A2/A3** Moderate pervasive argillization
  - A2/A5** Argillization with lesser silicification
  - A5/A2** Silicification with lesser argillization
  - A2/A7** Argillization with lesser silicification
  - A7/A2** Silicification with lesser argillization
- A86 43** Diamond Drill Hole  
(Dip, degrees / Bearing degrees / Length, metres)  
Gold assay in grams per tonne
- Geological contact - Defined  
- - - - - Geological contact - Approximate
- ~~~~~ Fault

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

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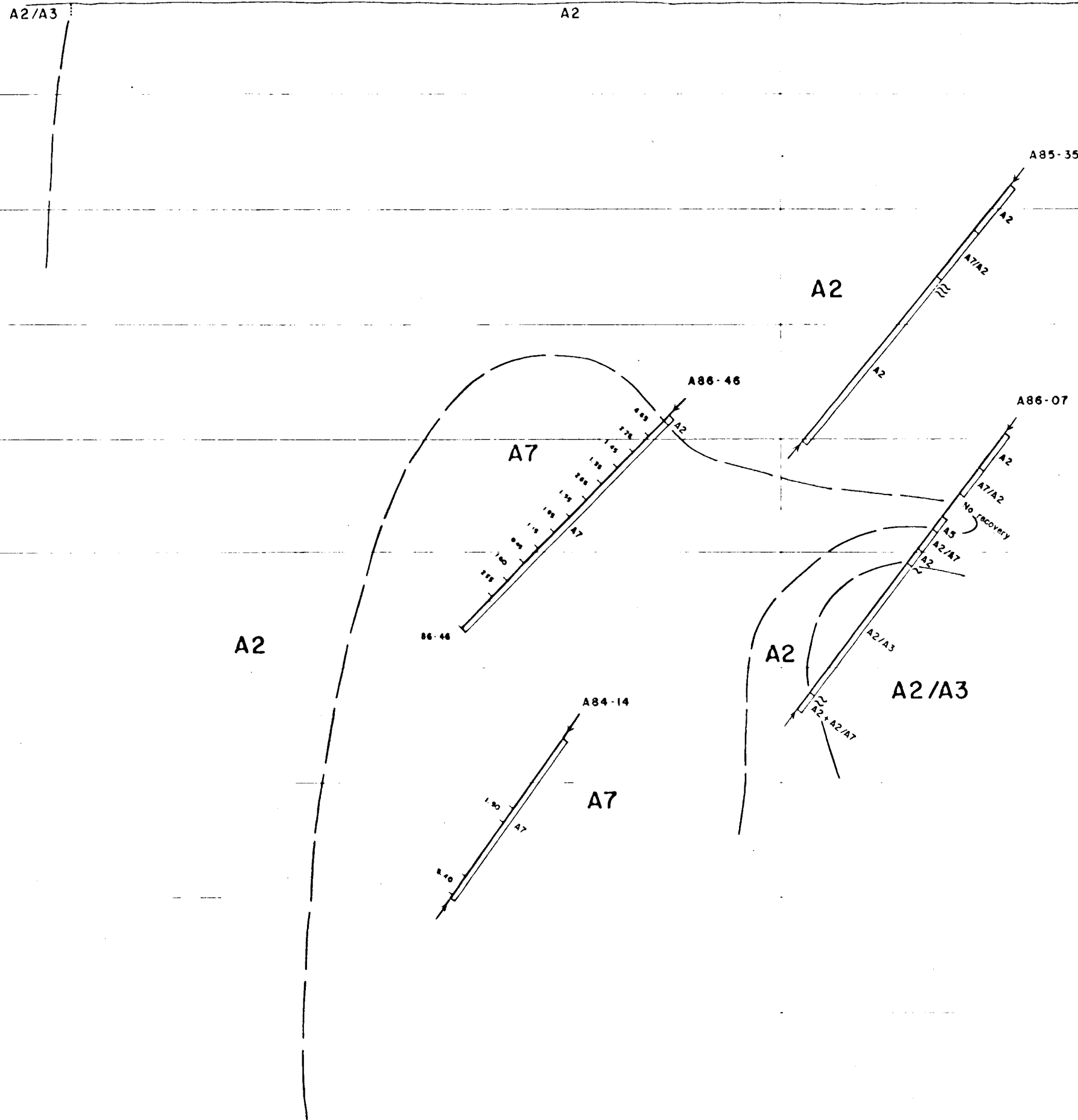
At Property  
THESES III ZONE

CROSS SECTION 50+00 SE  
Looking Northwest (335°)

**GEOLOGY**

SCALE 1:200

DATE Feb 1987 NTS REVIEW FSURE JAM



**LEGEND**

**PRINCIPAL ALTERATION TYPES**

- A3** Fresh or weathered andesite diorite, also very weak argillic, sericitic or propylitic alteration
- A2** Intense pervasive argillization
- A5** Intense silicification with no visible sulfides
- A7** Intense silicification with visible sulfides

**TRANSITIONAL ALTERATION TYPES**

- A3/A2** Weak pervasive argillization
- A2/A3** Moderate pervasive argillization
- A2/A5** Argillization with lesser silicification
- A5/A2** Silicification with lesser argillization
- A2/A7** Argillization with lesser silicification
- A7/A2** Silicification with lesser argillization
- Visible sulfides

- A86-43** Diamond Drill Hole  
Dip, degrees / Bearing, degrees / Length, metres  
45 / 072 / 66.34  
Gold assay in grams per tonne
- Geological contact: Defined (solid line), Approximate (dashed line)
- Fault (wavy line)

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

**energex**  
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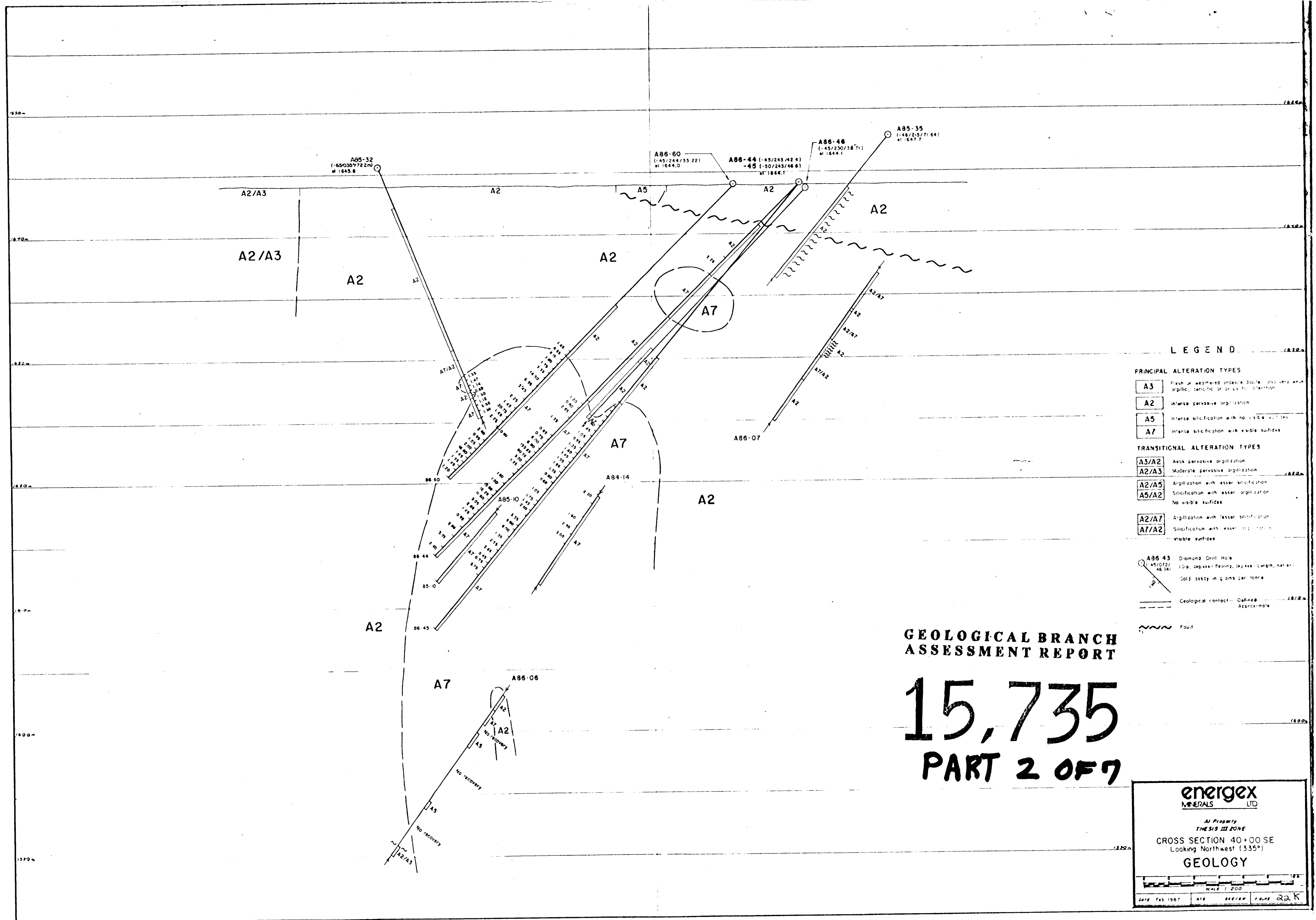
*At Property*  
**THESES III ZONE**

**CROSS SECTION 45+00SE**  
Locking Northwest (335°)

**GEOLOGY**

SCALE 1:200

DATE Feb 1987    BY:    REVIEW:    PAGE 22



**LEGEND**

- PRINCIPAL ALTERATION TYPES**
- A3** Fresh or weathered andesite diorite, silty and argillaceous, siliceous or silty alteration
  - A2** Intense pervasive argillization
  - A5** Intense silicification with no visible sulfides
  - A7** Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2** Weak pervasive argillization
  - A2/A3** Moderate pervasive argillization
  - A2/A5** Argillization with lesser silicification
  - A5/A2** Silicification with lesser argillization
  - A2/A7** Argillization with lesser silicification
  - A7/A2** Silicification with lesser argillization
- Other Symbols:**
- A86-43** Diamond Drill Hole (Dip, degrees / Bearing, degrees; Length, meters; Gold assay in grams per tonne)
  - Geological contact: Defined (solid line), Approximate (dashed line)
  - Fault (wavy line)

**GEOLOGICAL BRANCH ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

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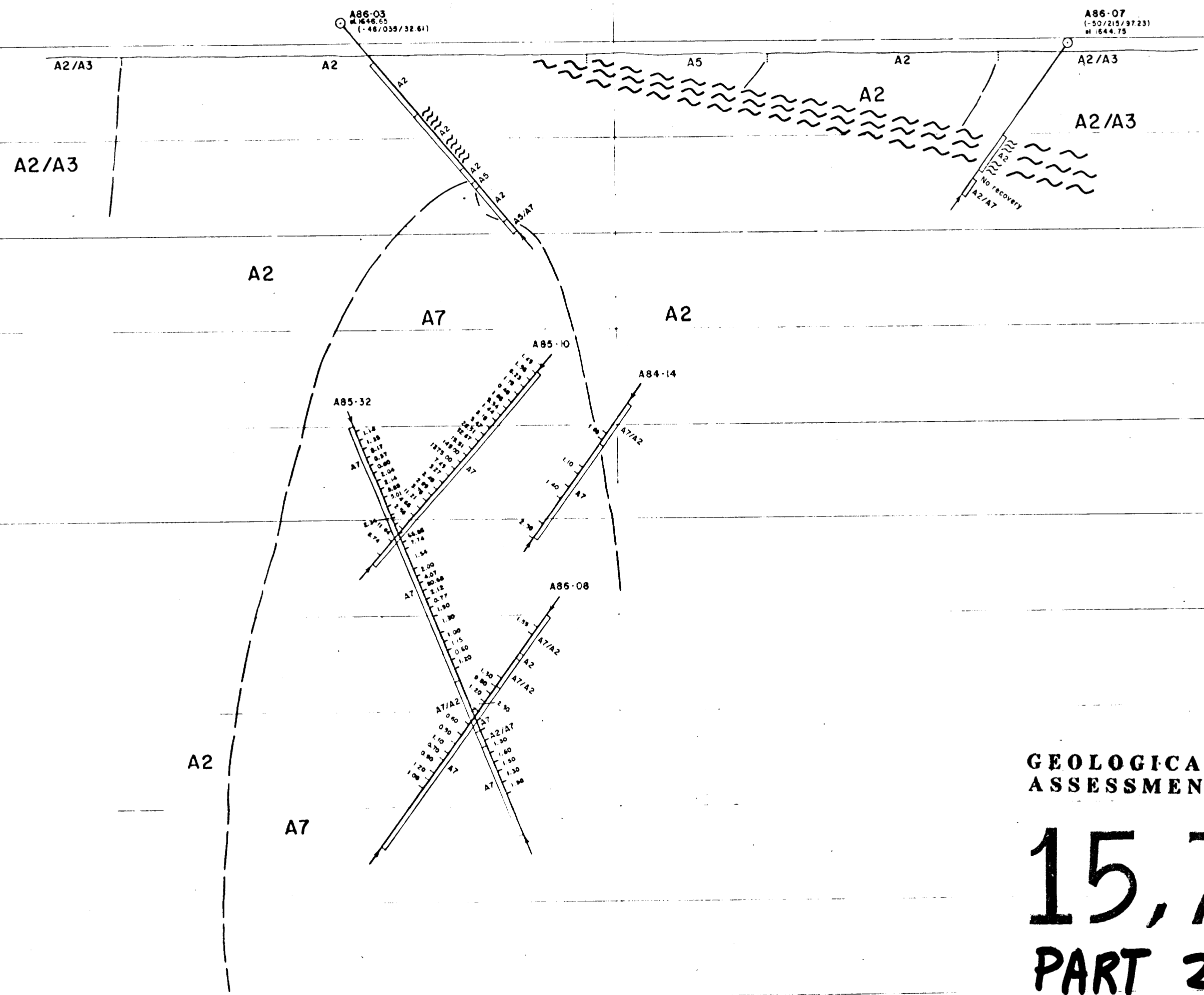
*At Property*  
**THE SIS III ZONE**

**CROSS SECTION 40+00 SE**  
Looking Northwest (335°)

**GEOLOGY**

SCALE 1:200

DATE Feb 1987    ATR    REVIEW    PAPER 22K



**LEGEND**

PRINCIPAL ALTERATION TYPES	
<b>A3</b>	Fresh or weathered andesite, also very weak argillite, sericitic or propylitic alteration
<b>A2</b>	intense pervasive argillization
<b>A5</b>	intense silicification with no visible sulfides
<b>A7</b>	intense silicification with visible sulfides
TRANSITIONAL ALTERATION TYPES	
<b>A3/A2</b>	Weak pervasive argillization
<b>A2/A3</b>	Moderate pervasive argillization
<b>A2/A5</b>	Argillization with lesser silicification
<b>A5/A2</b>	Silicification with lesser argillization No visible sulfides
<b>A2/A7</b>	Argillization with lesser silicification
<b>A7/A2</b>	Silicification with lesser argillization Visible sulfides
<b>A86-43</b>	Diamond Drill Hole (D, degrees / B string, degree / Length, metres) Gold assay in grains per tonne
<b>---</b>	Geological contact: <b>---</b> Defined <b>- - -</b> Approximate
<b>~~~~~</b>	Fault

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

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*At Property  
THESES III ZONE*

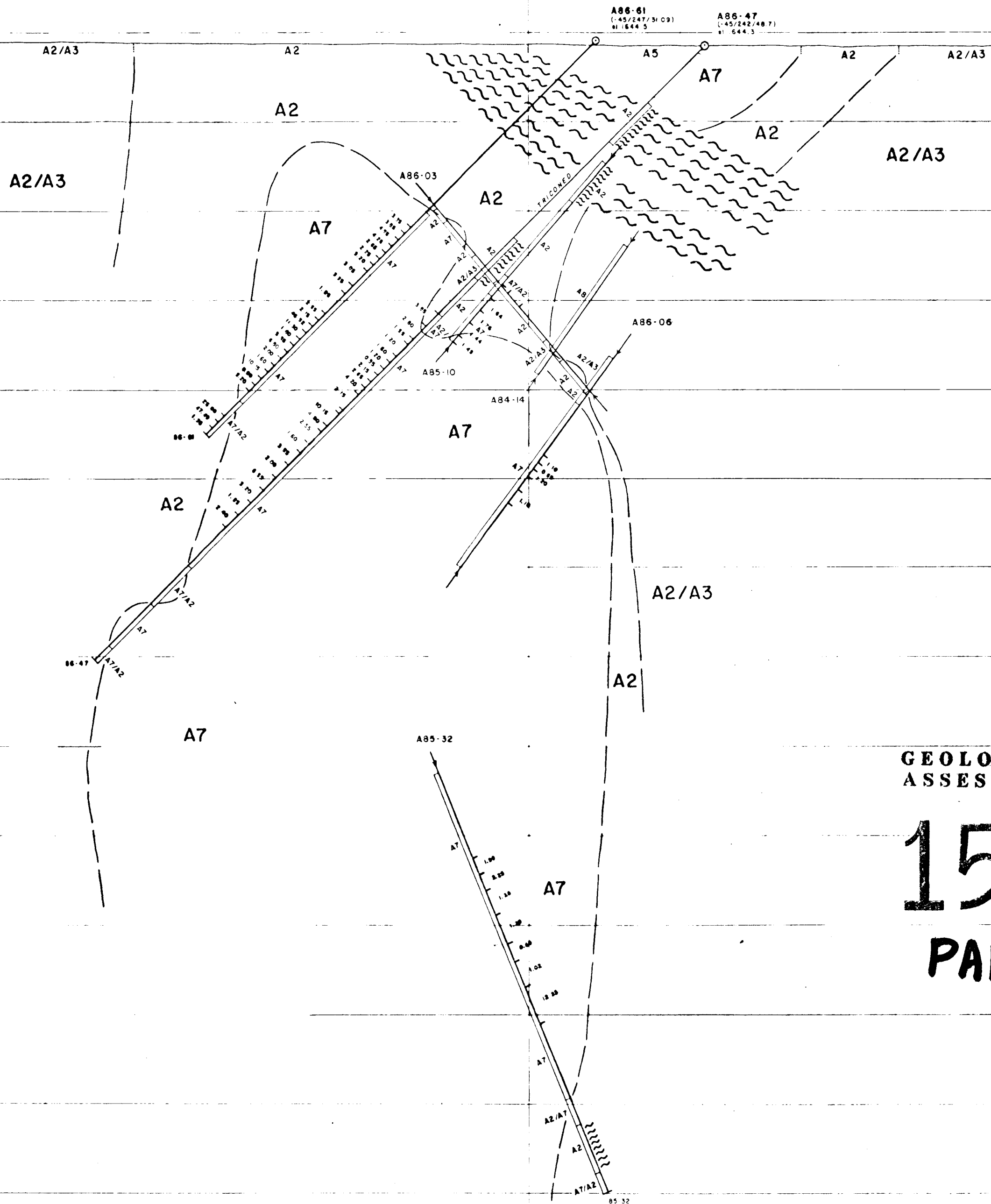
**CROSS SECTION 35+00 SE**  
Locking Northwest (335°)

**GEOLOGY**

SCALE 1:200

DATE Feb 1987    BY NTS    CHECKED P. J.    DRAWN P. J.    PLOTTED R. J.





**LEGEND**

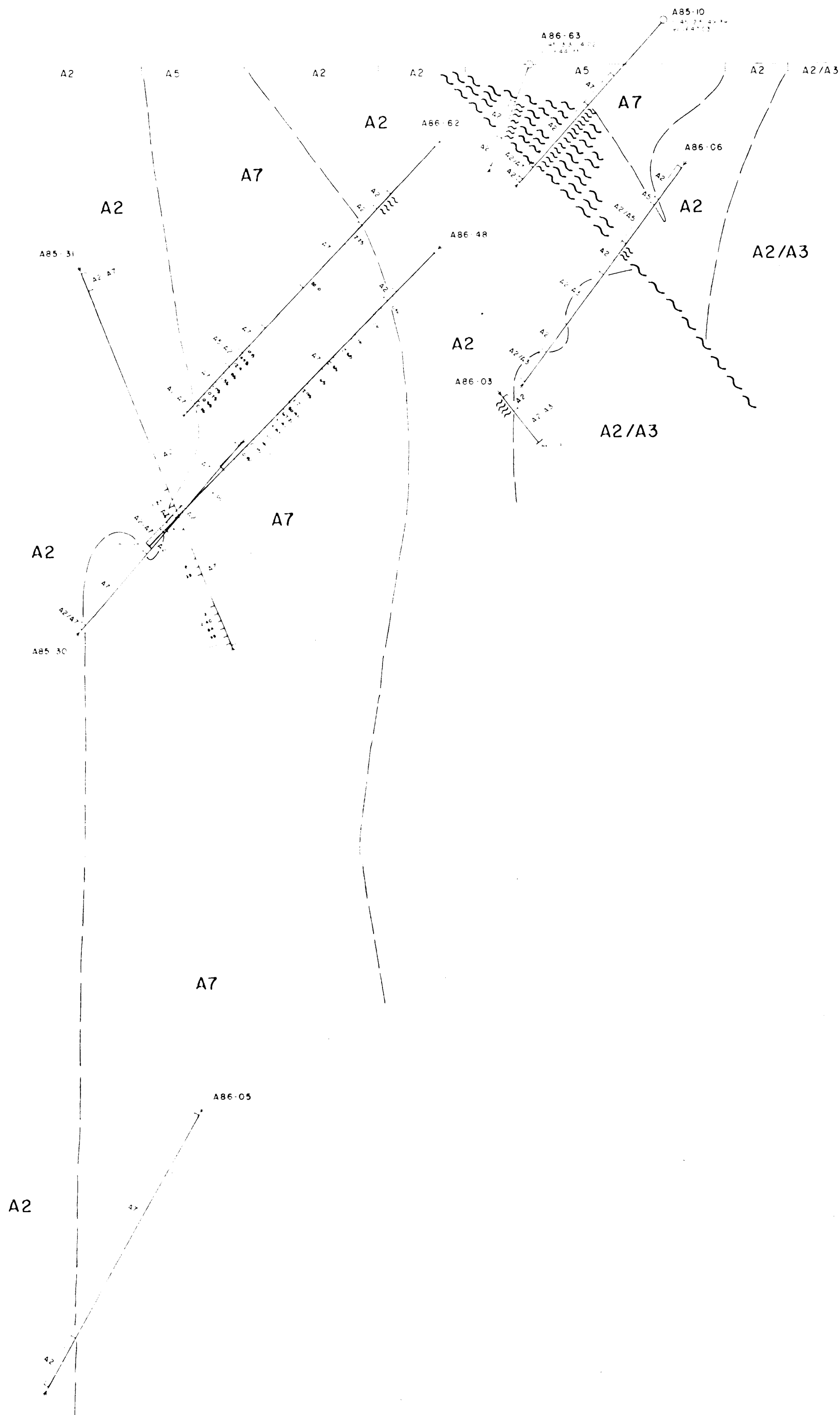
PRINCIPAL ALTERATION TYPES	
<b>A3</b>	Fresh or weathered andesite-dacite, also very weak argillic, sericitic or propylitic alteration
<b>A2</b>	Intense pervasive argillization
<b>A5</b>	Intense silicification with no visible sulfides
<b>A7</b>	Intense silicification with visible sulfides
TRANSITIONAL ALTERATION TYPES	
<b>A3/A2</b>	Weak pervasive argillization
<b>A2/A3</b>	Moderate pervasive argillization
<b>A2/A5</b>	Argillization with lesser silicification
<b>A5/A2</b>	Silicification with lesser argillization No visible sulfides
<b>A2/A7</b>	Argillization with lesser silicification
<b>A7/A2</b>	Silicification with lesser argillization Visible sulfides
<b>A86-43</b>	Diamond Drill Hole (C.D., degrees / Bearing, degrees / Length, metres)
<b>g</b>	Gold assay in grams per tonne
<b>---</b>	Geological contact — Defined Approximate
<b>---</b>	Fault

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
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THESES III ZONE  
CROSS SECTION 30+00SE  
Looking Northwest (335°)  
GEOLOGY

SCALE 1:200  
DATE Feb 1987  
FIGURE 22I



**LEGEND**

- PRINCIPAL ALTERATION TYPES**
- A3** Fine to medium grained oxide (oxide) alteration
  - A2** Intense pervasive argillization
  - A5** Intense silification with visible sulfides
  - A7** Intense silification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2** Weak pervasive argillization
  - A2/A3** Moderate pervasive argillization
  - A2/A5** Argillization with lesser silification
  - A5/A2** Silification with lesser argillization
  - A2/A7** Argillization with lesser silification
  - A7/A2** Silification with lesser argillization
- A86-43** Diamond Drill Hole  
 - 1/4" diameter - bearing segments (larger, smaller)  
 - 3/8" diameter - bearing segments (larger, smaller)  
 - 1/2" diameter - bearing segments (larger, smaller)
- Geological Contact**  
 - Dotted line: Defined  
 - Dashed line: Approximate
- Fault**

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*At Priority*  
 THESIS III ZONE

CROSS SECTION 25+00 SE  
 Looking Northwest (335°)  
**GEOLOGY**

Scale 1:2500  
 DATE: 11/11/11 BY: [signature] PAGE 20/11

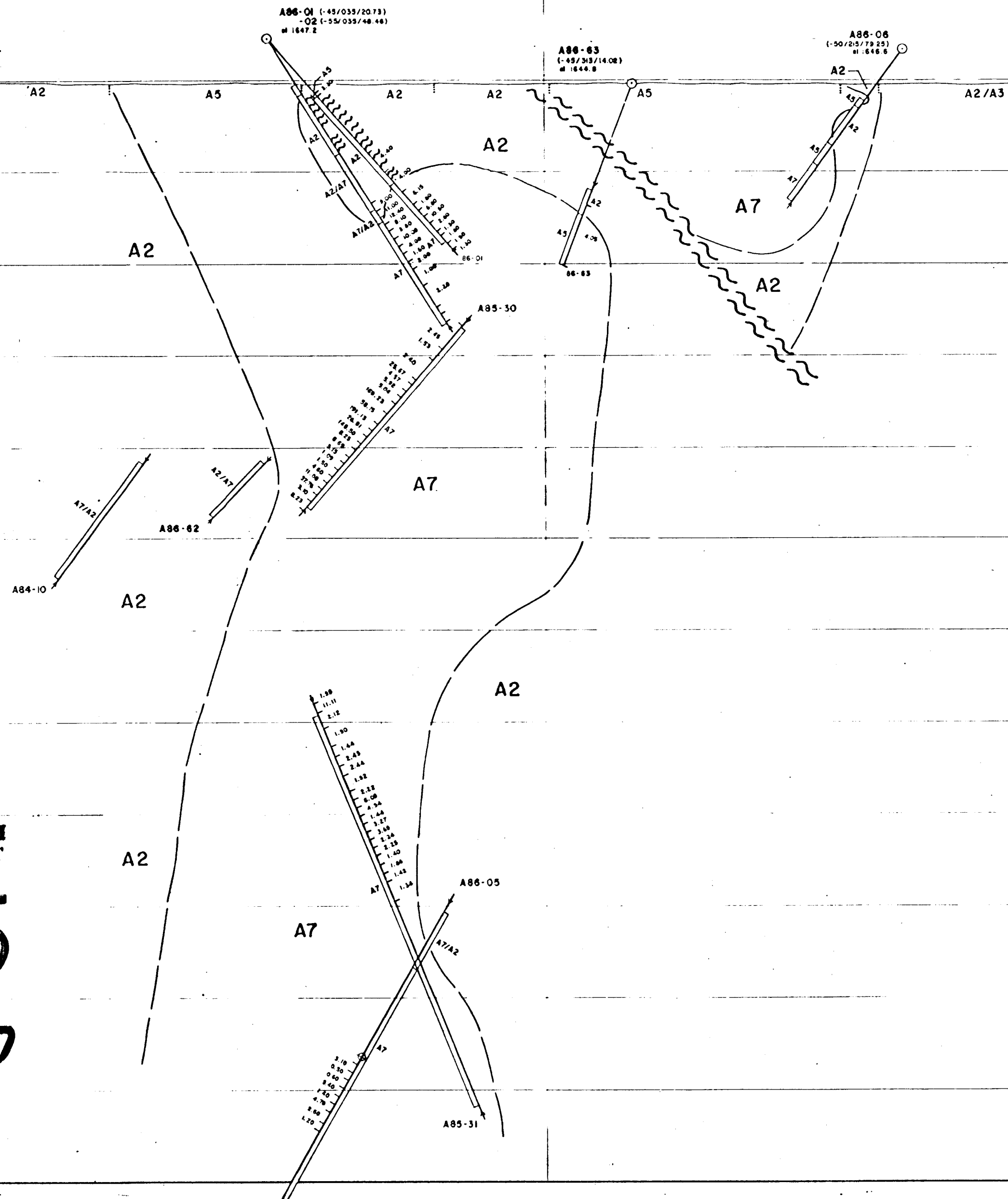
**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

15,735

PART 2 OF 7

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**



**LEGEND**

PRINCIPAL ALTERATION TYPES	
<b>A3</b>	Fresh or weathered andesite-dacite; also very weak argillic, sericitic or propylitic alteration
<b>A2</b>	Intense pervasive argillization
<b>A5</b>	Intense silicification with no visible sulfides
<b>A7</b>	Intense silicification with visible sulfides
TRANSITIONAL ALTERATION TYPES	
<b>A3/A2</b>	Weak pervasive argillization
<b>A2/A3</b>	Moderate pervasive argillization
<b>A2/A5</b>	Argillization with lesser silicification
<b>A5/A2</b>	Silicification with lesser argillization
	No visible sulfides
<b>A2/A7</b>	Argillization with lesser silicification
<b>A7/A2</b>	Silicification with lesser argillization
	Visible sulfides
<b>A86-03</b>	Diamond Drill Hole (Dip, degrees / Bearing, degrees / Length, metres) Gold assay in grams per tonne
	Geological contact — Defined / Approximate
	Fault

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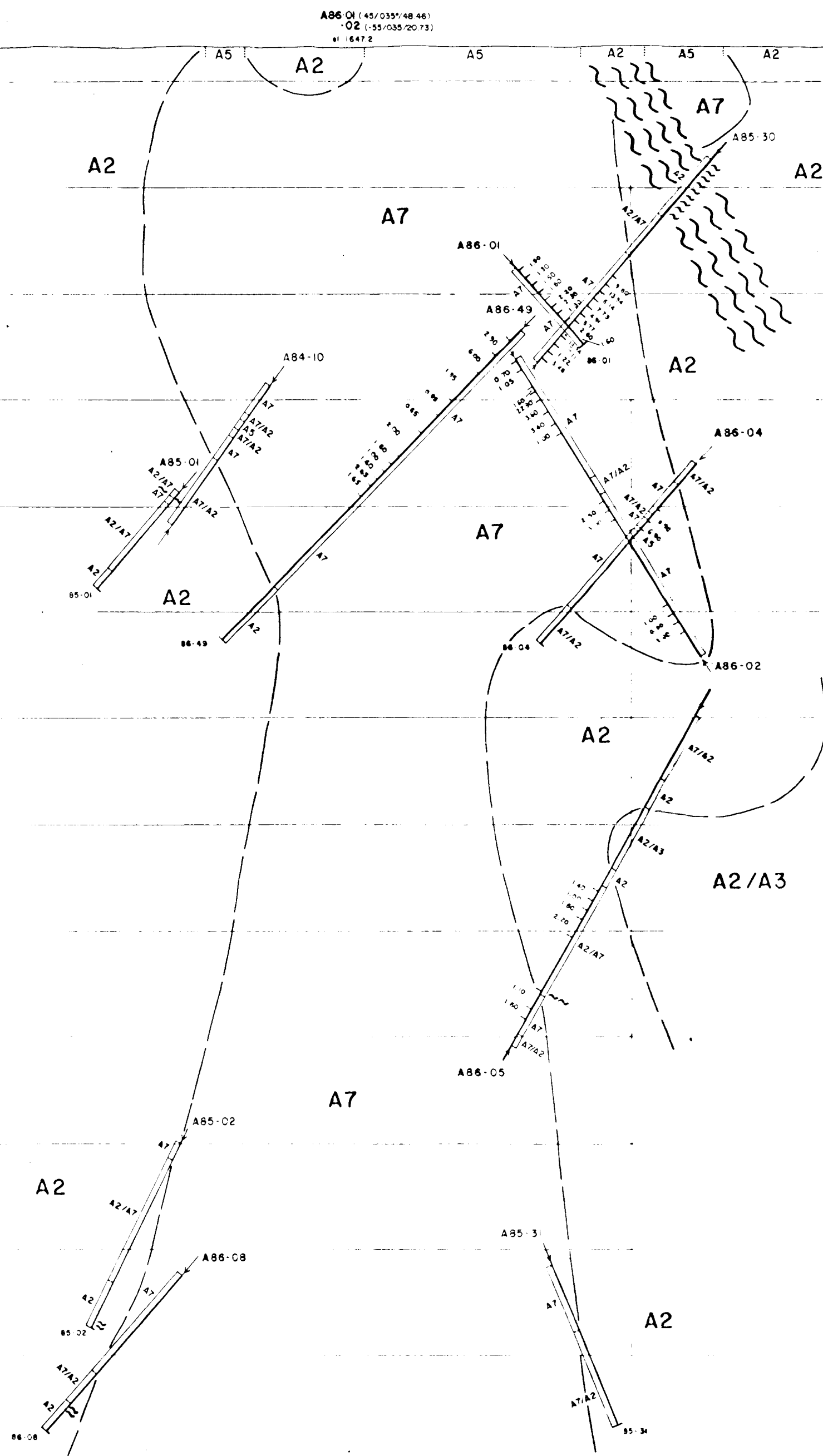
At Property  
THESES ZONE

CROSS SECTION 20+00 SE  
Looking Northwest (335°)

**GEOLOGY**

SCALE 1:200

DATE: JUN 1987    NTS:    DRAWN:    FIGURE: 22 G



**LEGEND**

**PRINCIPAL ALTERATION TYPES**

- A3** Fresh or weathered andesite dacite, also very weak argillic, sericitic or propylitic alteration
- A2** Intense pervasive argillization
- A5** Intense silicification with no visible sulfides
- A7** Intense silicification with visible sulfides

**TRANSITIONAL ALTERATION TYPES**

- A3/A2** Weak pervasive argillization
- A2/A3** Moderate pervasive argillization
- A2/A5** Argillization with lesser silicification
- A5/A2** Silicification with lesser argillization
- A2/A7** Argillization with lesser silicification
- A7/A2** Silicification with lesser argillization

- A86 43** Diamond Drill Hole (Dip, degrees/Bearing, degrees/Length, metres)
- Gold assay in grams per tonne
- Geological contact Defined
- - -** Geological contact Approximate
- ~~~~~** Fault

**GEOLOGICAL BRANCH ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

**energex**  
MINERALS LTD

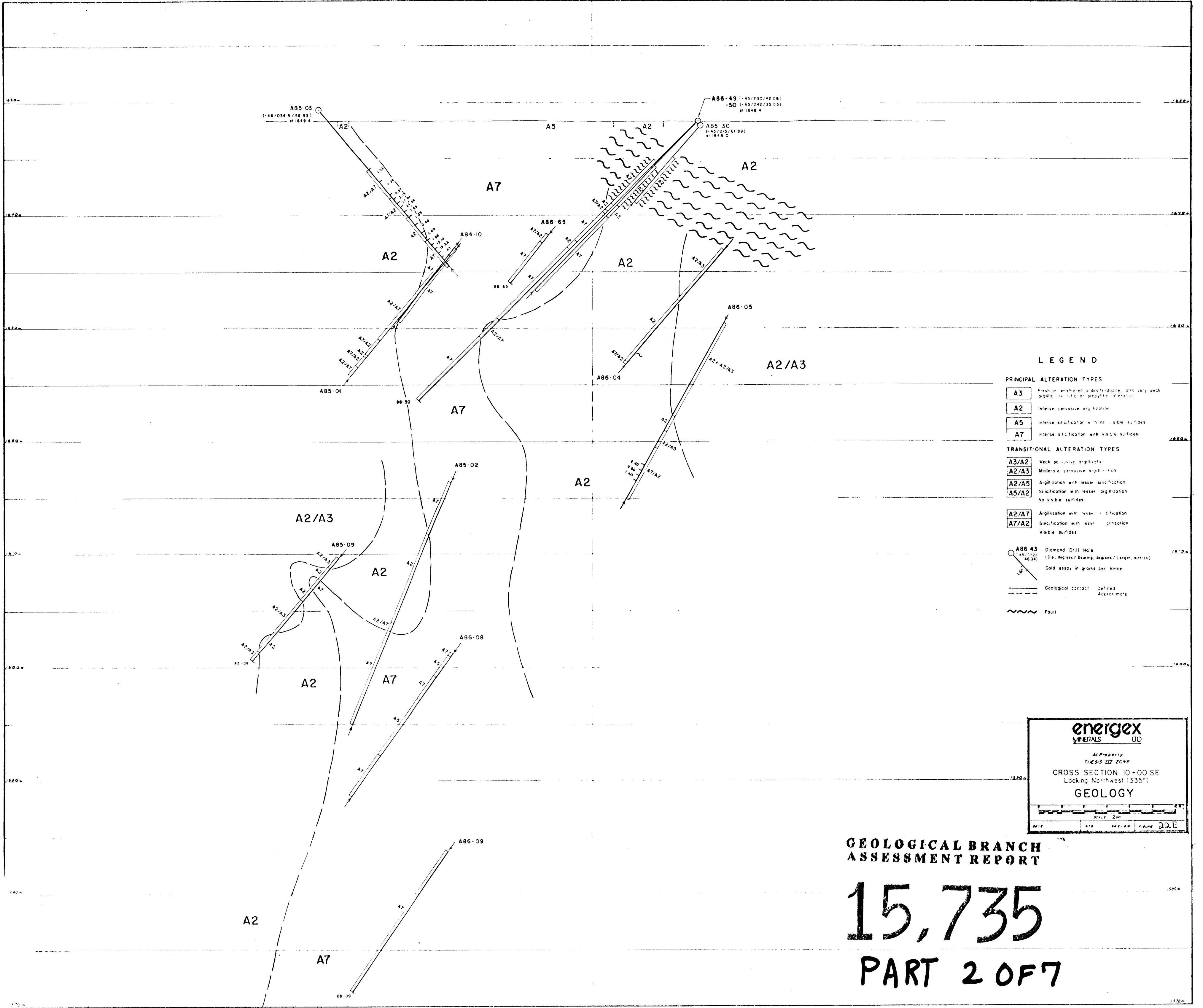
*All Property  
THESE III ZONE*

CROSS SECTION 15-00 SE  
Looking Northwest (335°)

**GEOLOGY**

Scale 2:1

DATE Feb 1987



**LEGEND**

PRINCIPAL ALTERATION TYPES	
A3	Fresh or weathered andesite-diorite, also very weak argillite, siliceous or propylitic alteration
A2	Intense pervasive argillization
A5	Intense silicification with no visible sulfides
A7	Intense silicification with visible sulfides

TRANSITIONAL ALTERATION TYPES	
A3/A2	Weak pervasive argillization
A2/A3	Moderate pervasive argillization
A2/A5	Argillization with lesser silicification
A5/A2	Silicification with lesser argillization No visible sulfides
A2/A7	Argillization with lesser silicification
A7/A2	Silicification with lesser argillization Visible sulfides

	A86-43 (45.022 / 46.34) Gold assay in grams per tonne
	Geological contact Defined Approximate
	Fault

**energex**  
MINERALS LTD

At Property  
TUESIS III ZONE

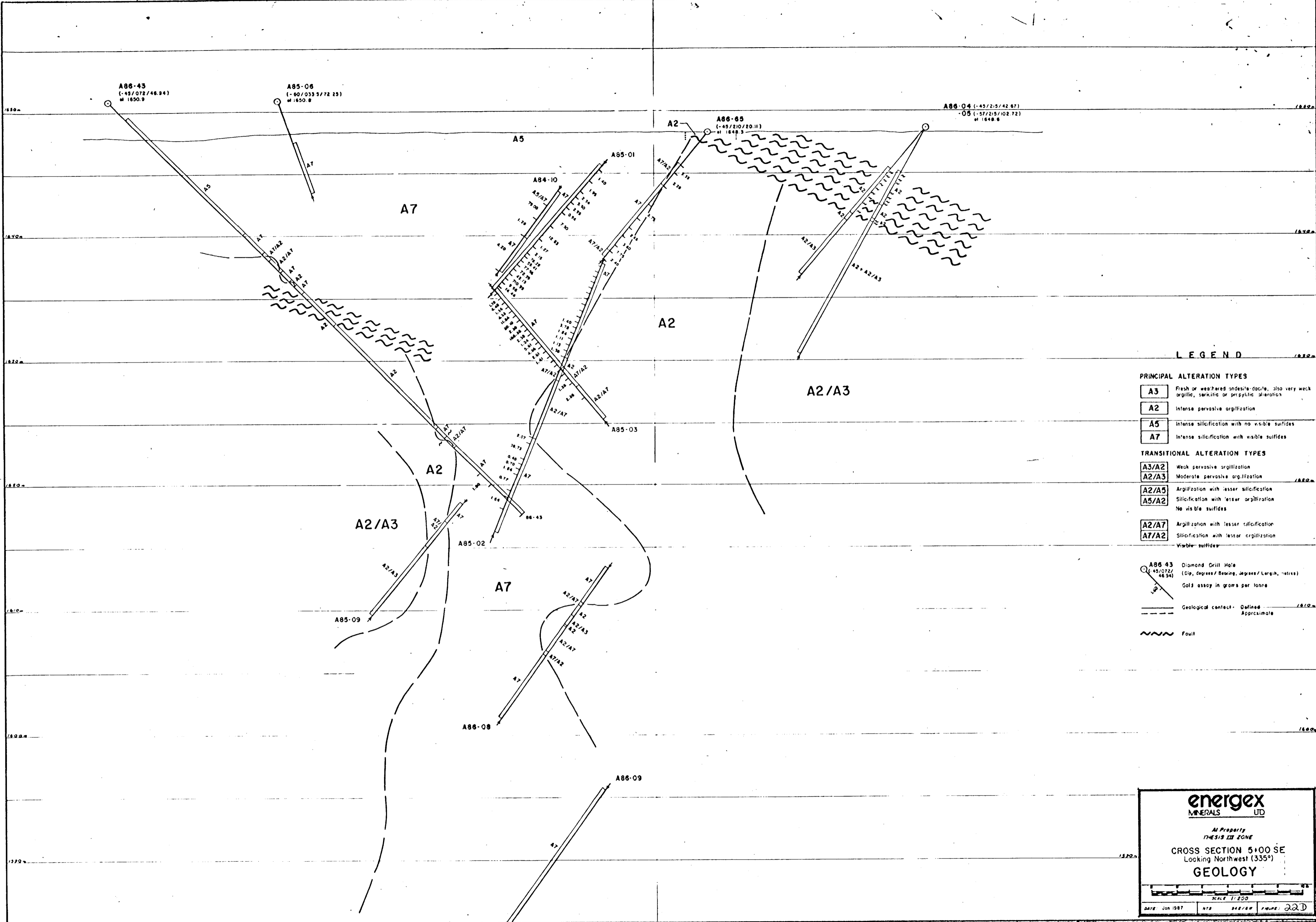
CROSS SECTION 10+00 SE  
Locking Northwest (335°)

**GEOLOGY**

Scale: 200  
Meters / Miles

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**



**LEGEND**

- PRINCIPAL ALTERATION TYPES**
- A3** Fresh or weathered andesite-dacite, also very weak argillite, sericite or pyrophyllite alteration
  - A2** Intense pervasive argillization
  - A5** Intense silicification with no visible sulfides
  - A7** Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2** Weak pervasive argillization
  - A2/A3** Moderate pervasive argillization
  - A2/A5** Argillization with lesser silicification
  - A5/A2** Silicification with lesser argillization
  - A2/A7** Argillization with lesser silicification
  - A7/A2** Silicification with lesser argillization
- Other Symbols:**
- A86-43** Diamond Drill Hole (Dip, degrees/Bearing, degrees/Length, metres)
  - Gold assay in grams per tonne
  - Geological contact - Defined
  - - -** Approximate
  - ~~~~~** Fault

**energex**  
MINERALS LTD

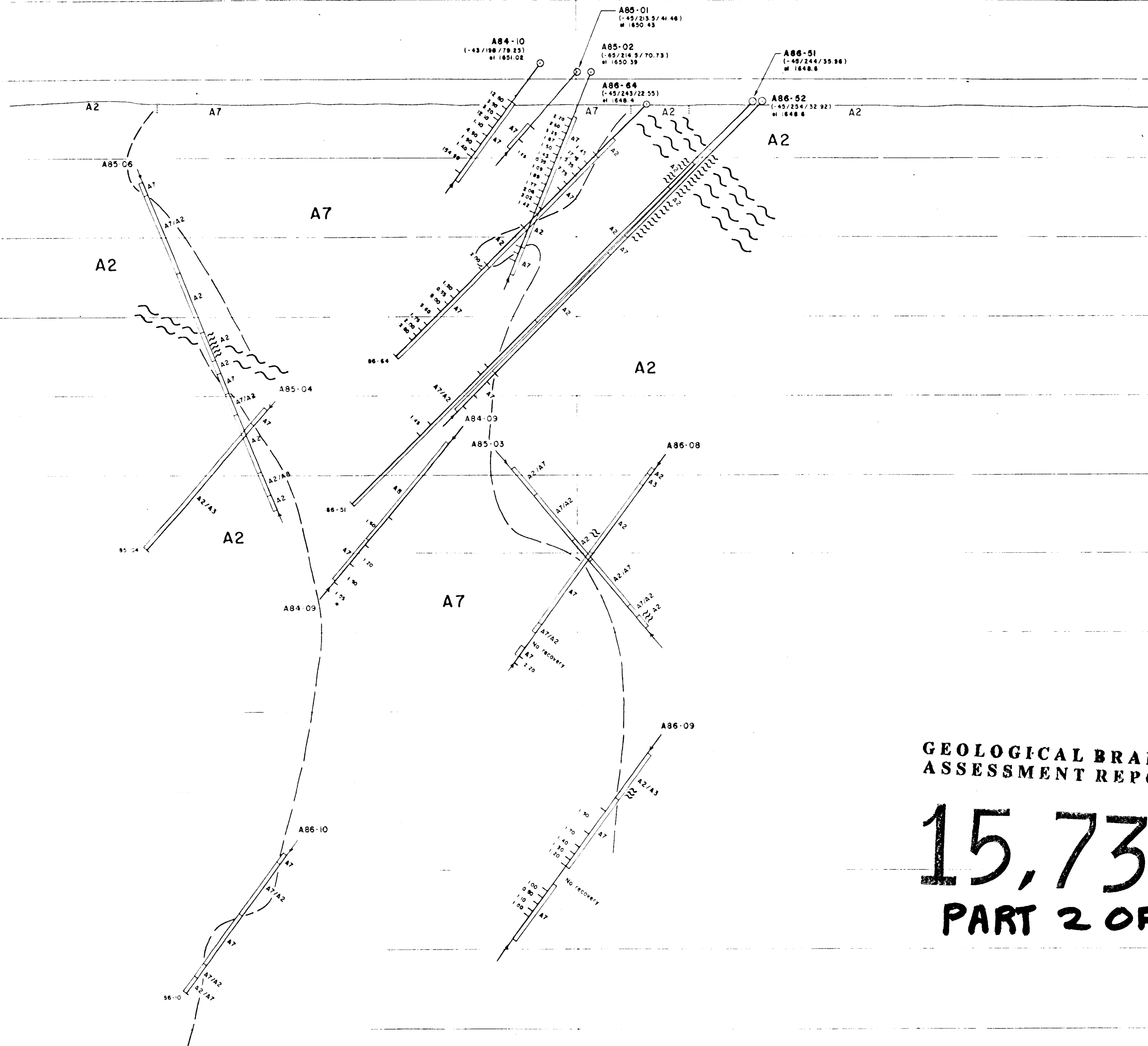
*All Property  
THE SIS III ZONE*

**CROSS SECTION 5+00 SE**  
Looking Northwest (335°)

**GEOLOGY**

SCALE 1:200

DATE: Jan 1987    NTS    88/87    FIGURE: 22D



**LEGEND**

- PRINCIPAL ALTERATION TYPES**
- A3** Fresh or weathered andesite-dolite, also very weak argillic, sericitic or propylitic alteration
  - A2** Intense pervasive argillization
  - A5** Intense silicification with no visible sulfides
  - A7** Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2** Weak pervasive argillization
  - A2/A3** Moderate pervasive argillization
  - A2/A5** Argillization with lesser silicification
  - A5/A2** Silicification with lesser argillization
  - No visible sulfides**
  - A2/A7** Argillization with lesser silicification
  - A7/A2** Silicification with lesser argillization
  - visible sulfides**
- A86-43** Diamond Drill Hole  
 Dip degrees / Bearing degrees / Length metres  
 Gold assay in grams per tonne
- Geological contact: Defined / Approximate
- Fault

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

**energex**  
MINERALS LTD

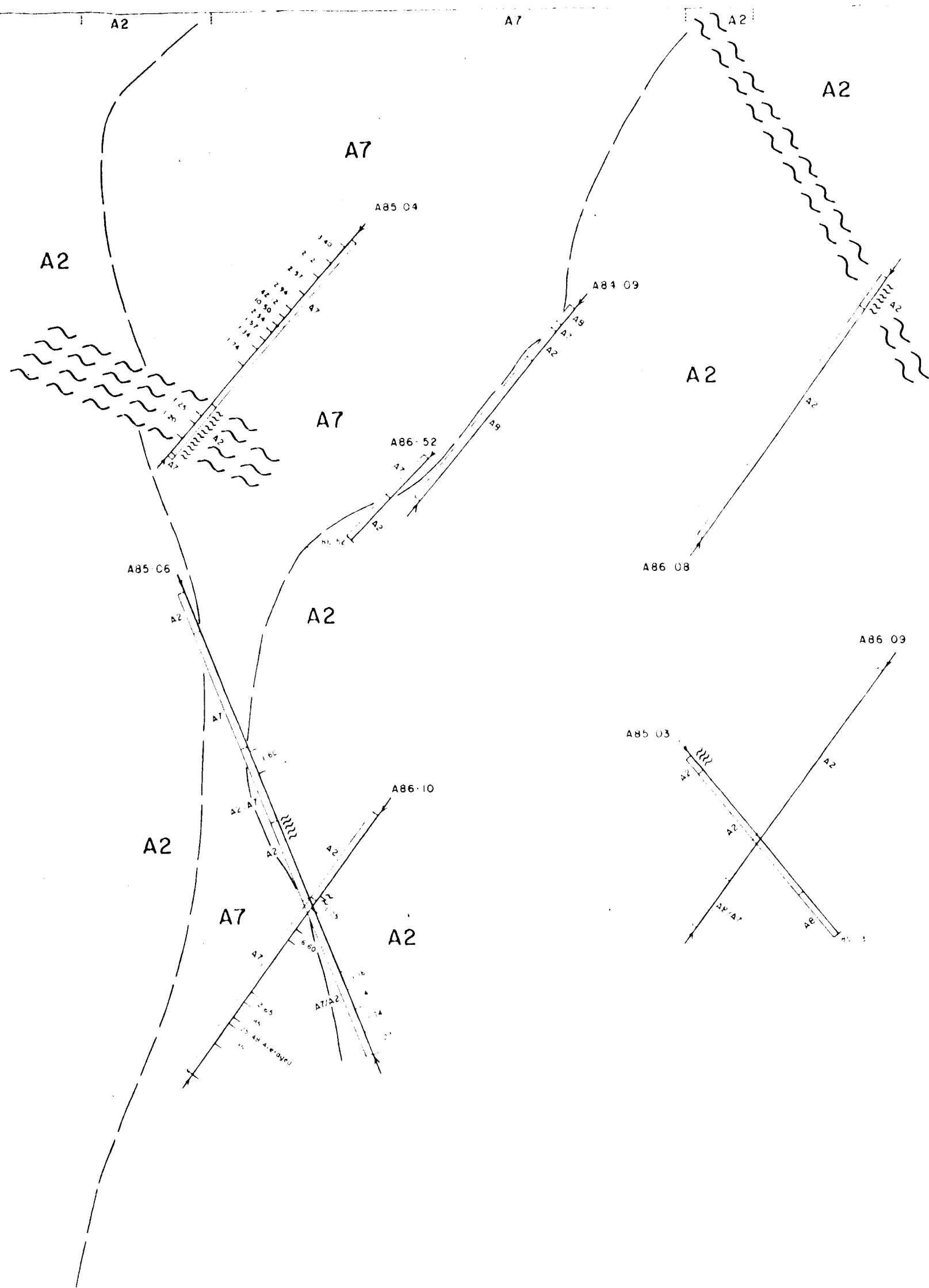
At Property  
THESES III ZONE

CROSS SECTION 0+00NW  
Looking Northwest (335°)

**GEOLOGY**

SCALE 200

DATE Feb 1987 473 DRAWN BY 22 C



**LEGEND**

**PRINCIPAL ALTERATION TYPES**

- A3** Fresh or weathered indurite sulfate, also very weak argillite, vermicite or pyrophylic alteration
- A2** Intense pervasive argillization
- A5** Intense silicification with no visible sulfides
- A7** Intense silicification with visible sulfides

**TRANSITIONAL ALTERATION TYPES**

- A3/A2** Weak pervasive argillization
- A2/A3** Moderate pervasive argillization
- A2/A5** Argillization with lesser silicification
- A5/A2** Silicification with lesser argillization
- A2/A7** Argillization with lesser silicification
- A7/A2** Silicification with lesser argillization
- Visible sulfides

- A86 13** Diamond Drill Hole
- Top depth/Bottom depth (meters, feet)
- Gold assay in grams per tonne
- Geological control
- Defined
- Aspir sample
- Fault

**energex**  
MINERALS LTD

Approved by  
THE S.M. ZONE

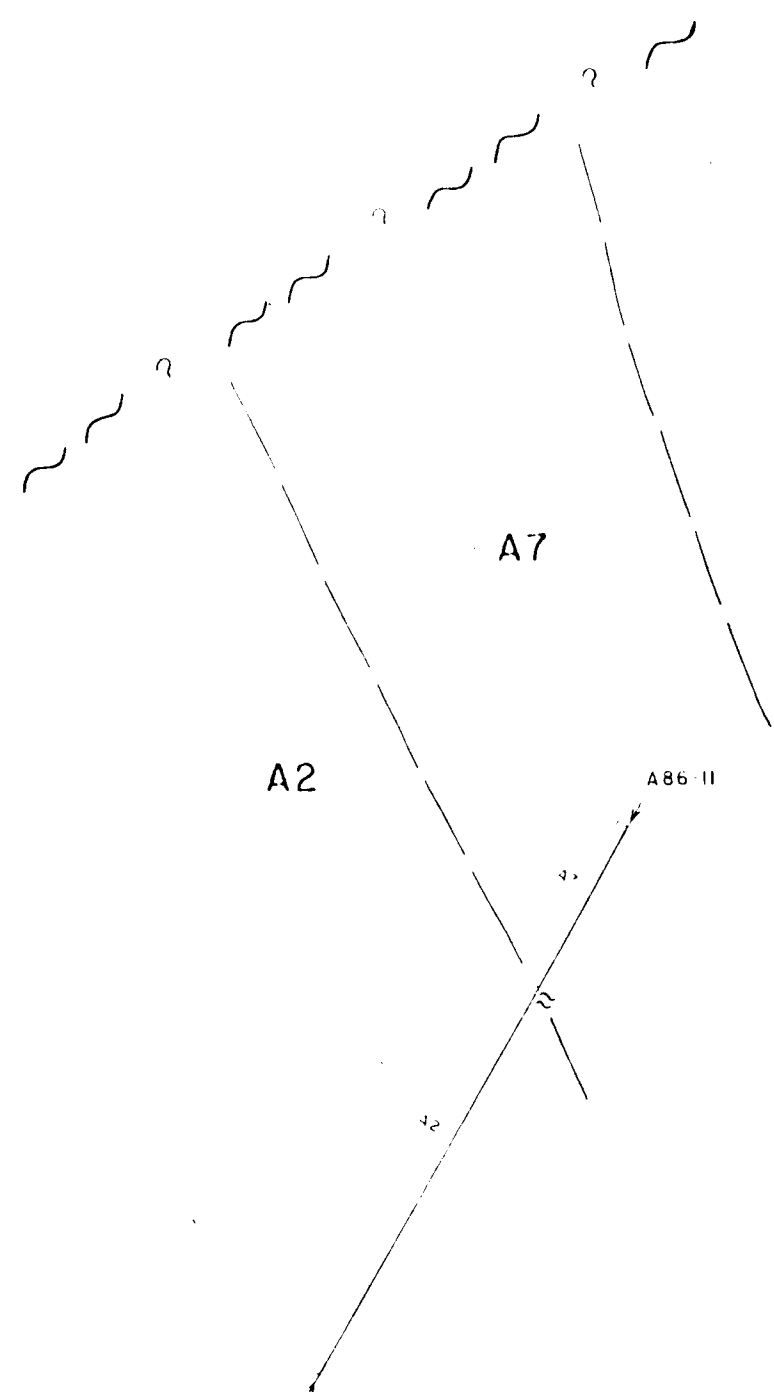
CROSS SECTION 5100 NW  
(Looking North, A-1 (1350))

**GEOLOGY**

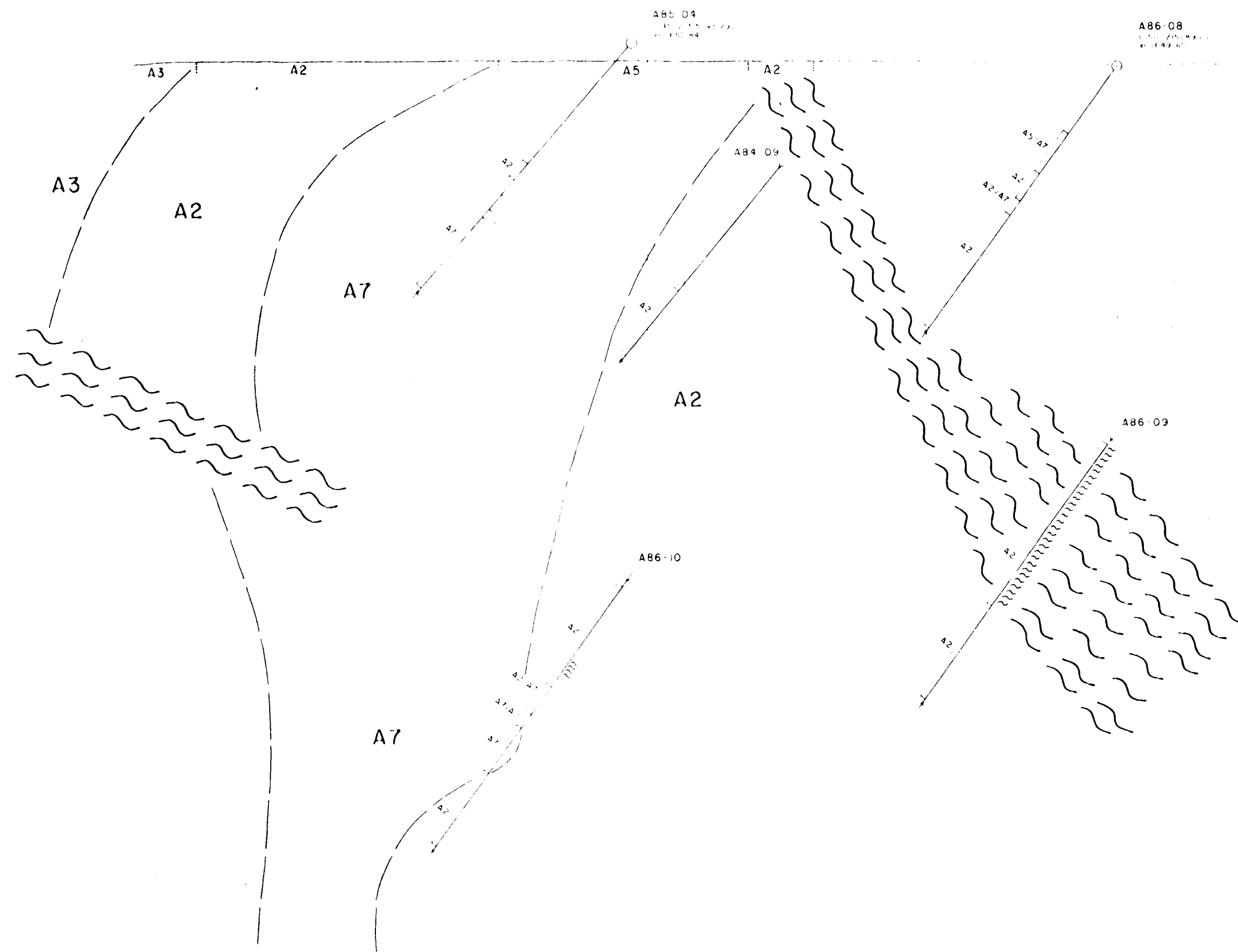
223

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

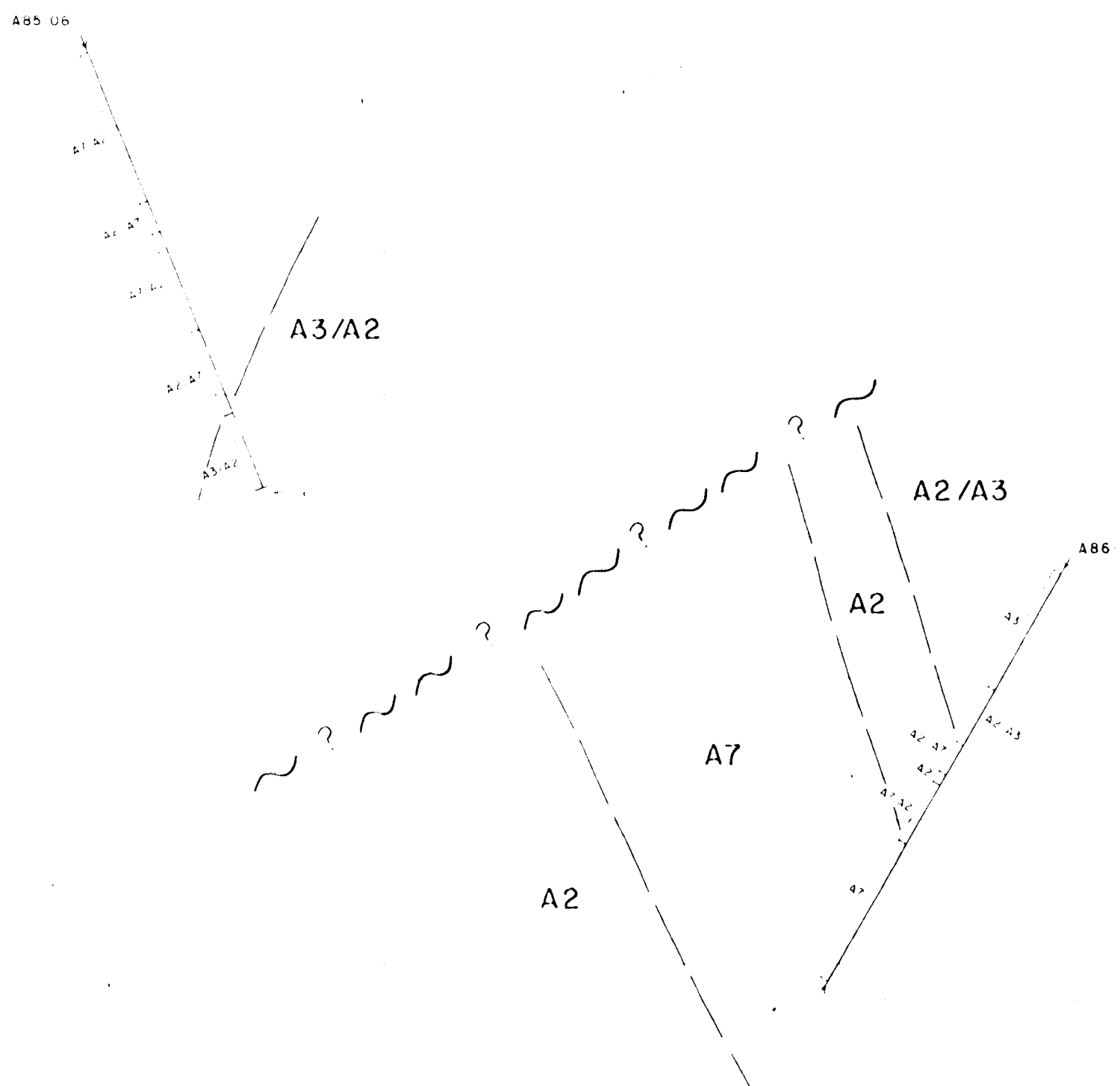






**LEGEND**

- PRINCIPAL ALTERATION TYPES**
- A3** Fresh or weathered andesite dacite, also very weak argillic, sericitic or propylitic alteration
  - A2** Intense pervasive argillization
  - A5** Intense silicification with no visible sulfides
  - A7** Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2** Weak pervasive argillization
  - A2/A3** Moderate pervasive argillization
  - A2/A5** Argillization with lesser silicification
  - A5/A2** Silicification with lesser argillization
  - A5/A7** No visible sulfides
  - A2/A7** Argillization with lesser silicification
  - A7/A2** Silicification with lesser argillization
  - Visible sulfides
- AB5 03** Diamond Drill Hole  
 ID#, Degree/Heading, Dip/Length, Interval  
 Gold assay in grams per tonne
- Geological contact Defined  
 - - - - - Approximate
- ~~~~~ Fault



**energex**  
 MINERALS LTD.  
 At Priority  
 THESES III ZONE

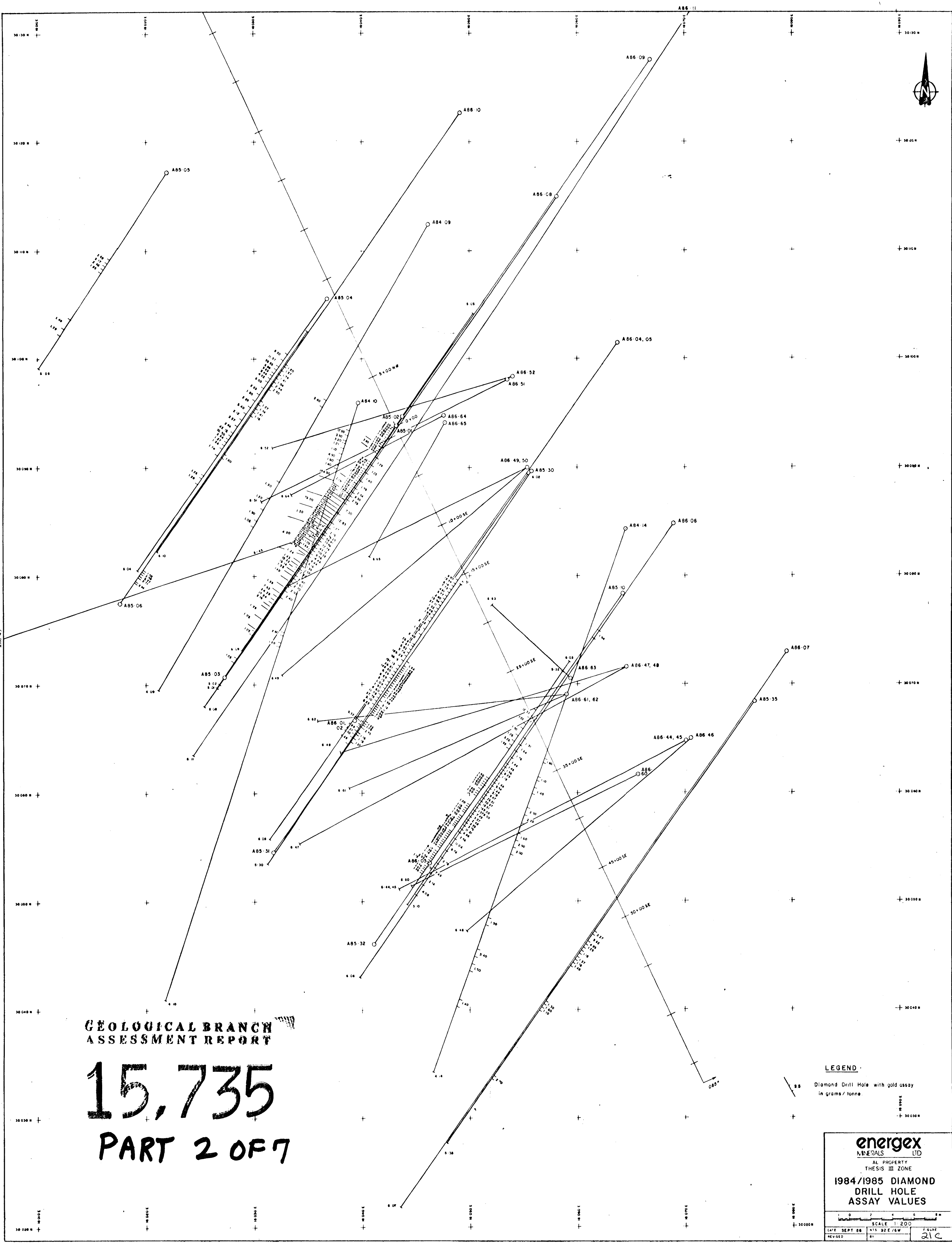
CROSS SECTION 10+00 NW  
 Locking Northwest (335°)  
 GEOLOGY

Scale: 1:200  
 Date: 1987  
 Volume: 22A

**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

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GEOLOGICAL BRANCH  
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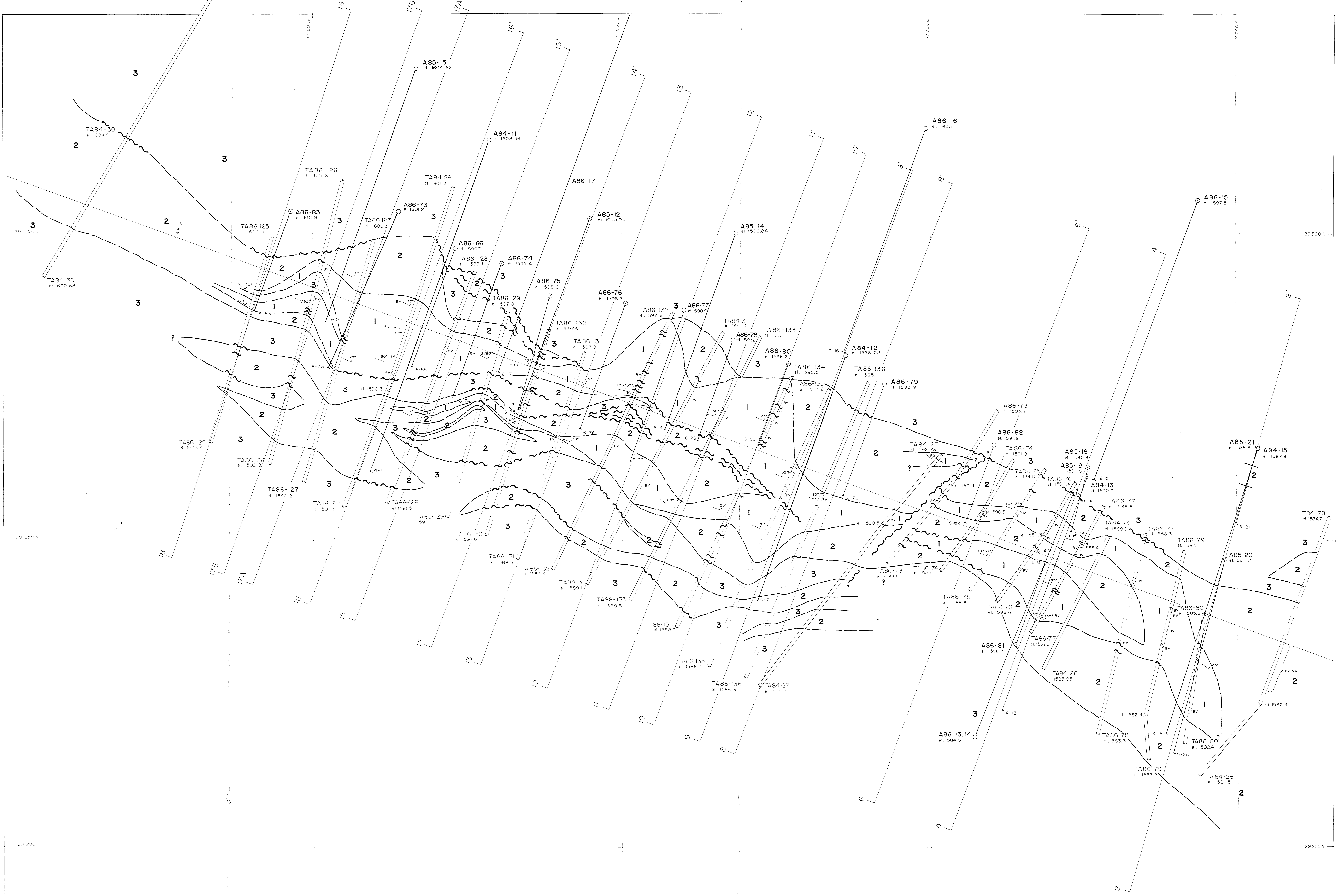
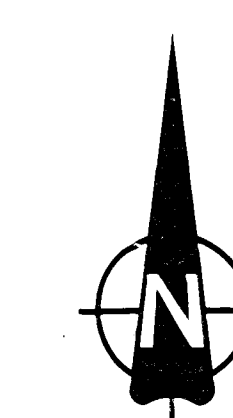
LEGEND

85 Diamond Drill Hole with gold assay  
in grams/tonne

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AL PROPERTY  
THESES III ZONE  
1984/1985 DIAMOND  
DRILL HOLE  
ASSAY VALUES

DATE	SEPT 88	BY	AT 92 E/GW	FIGURE	21c
REVISED					





- LEGEND**
- 3** Purple unaltered host rock.
  - 2** Altered, unmineralized host rock - silicified + clayed. Au values < 1 gm / tonne.
  - 1** Altered, mineralized host rock ± Barite. Au values > 1 gm / tonne.
  - ~ Fault, inferred.
  - 70° Attitude of mineralized zone.
  - BV Barite vein.
  - Diamond drill hole.
  - ▭ Trench.
  - - - Geologic contact.

**GEOLOGICAL BRANCH  
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# 15,735

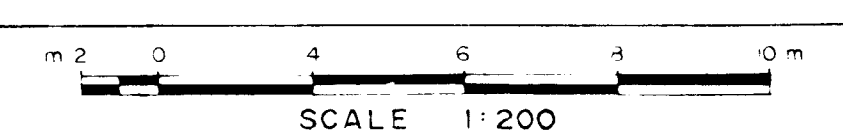
**PART 2 OF 7**

REV#	DATE	DESCRIPTION	BY	CHKD

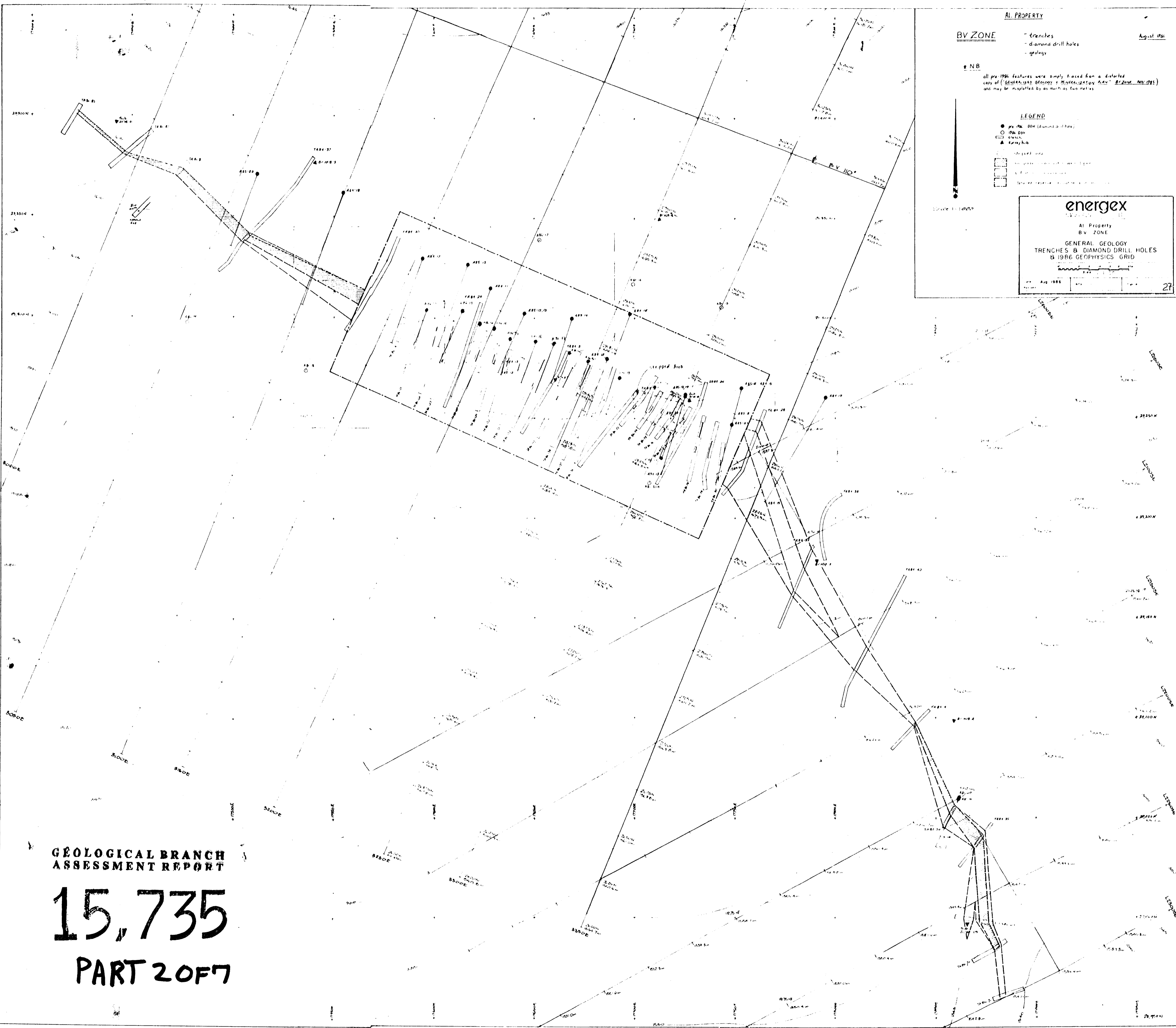
**energex**  
MINERALS LTD

713-350-8800  
2200 University Blvd.  
Vancouver, B.C.  
V6C 1R1  
Telephone 604-434-2598

ALL PROPERTY  
BY ZONE-DETAIL AREA  
**GEOLOGY & STRUCTURE  
MAP**



DATE: Nov 1996 NTS: 94E/6W FIGURE NO:  
BY: [ ] CHKD: [ ] 28



AL PROPERTY

BY ZONE

- trenches
- diamond drill holes
- geology

August 1986

# NB

all pre 1986 features were simply traced from a distorted copy of "GENERAL GEOLOGY & MINERALOGY AND BY ZONE MAY 1983" and may be misplotted by as much as two metres

LEGEND

- pre 1986 DDH (diamond drill hole)
- 1986 DDH
- trench
- ▲ trench
- ▭ stepped area
- ▨ stepped area
- ▩ stepped area
- stepped area
- stepped area
- ▬ stepped area
- ▭ stepped area
- ▩ stepped area
- stepped area
- stepped area
- ▬ stepped area

Scale 1:1000

**energex**  
 Energy Services Ltd.  
 AL PROPERTY  
 BY ZONE  
 GENERAL GEOLOGY  
 TRENCHES & DIAMOND DRILL HOLES  
 & 1986 GEOPHYSICS GRID  
 AUG 1986

27

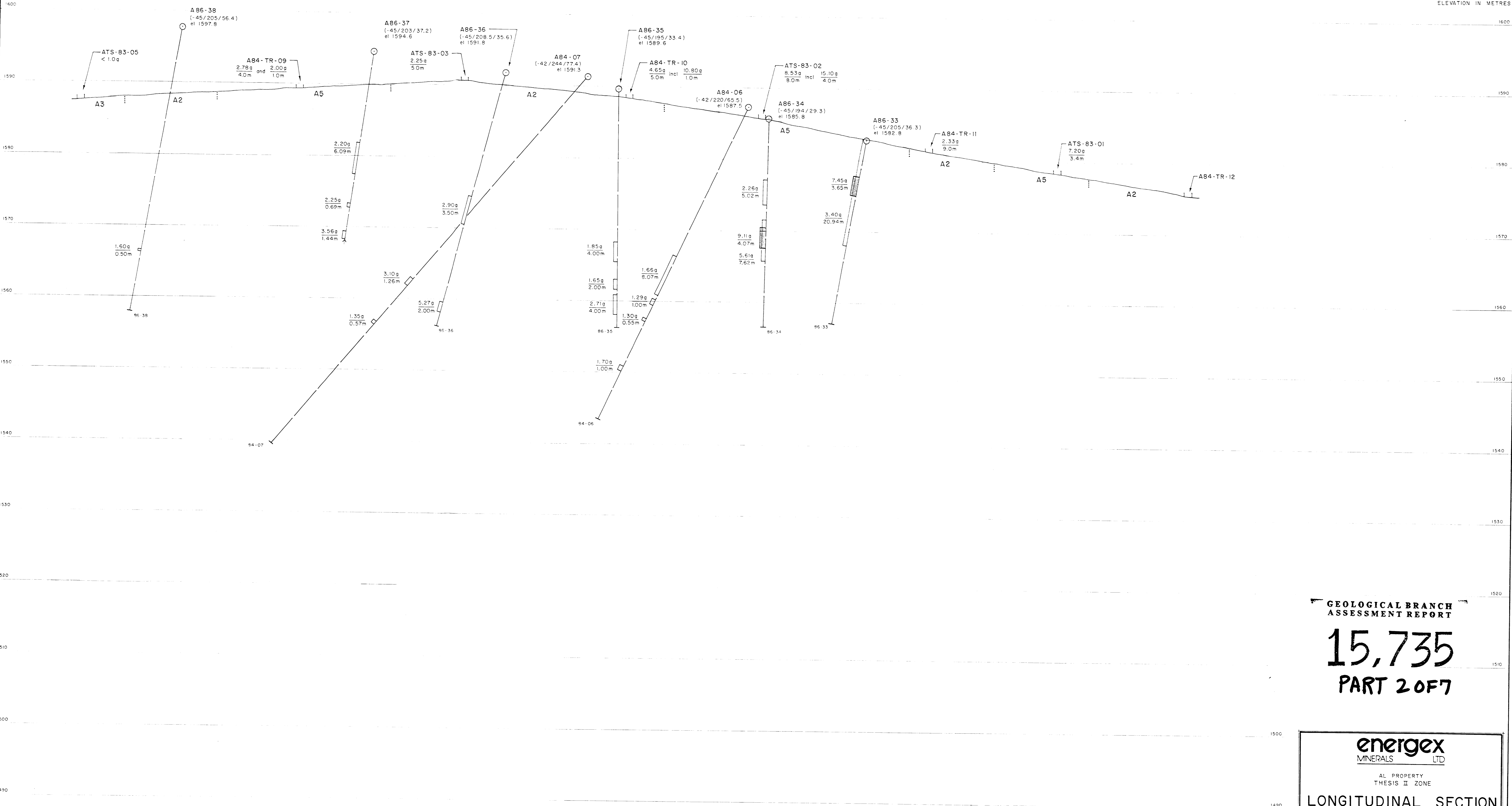
GEOLOGICAL BRANCH  
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15,735

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ELEVATION IN METRES

ELEVATION IN METRES



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ASSESSMENT REPORT

**15,735**  
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**LONGITUDINAL SECTION**  
LOOKING 015°  
TRENCH AND DDH VALUES

SCALE 1:200

DATE: Oct 1986    NTS    DAE/ELW    FIGURE: 26

ELEVATION IN METRES

ELEVATION IN METRES

1600

1600

1590

1590

1580

1580

1570

1570

1560

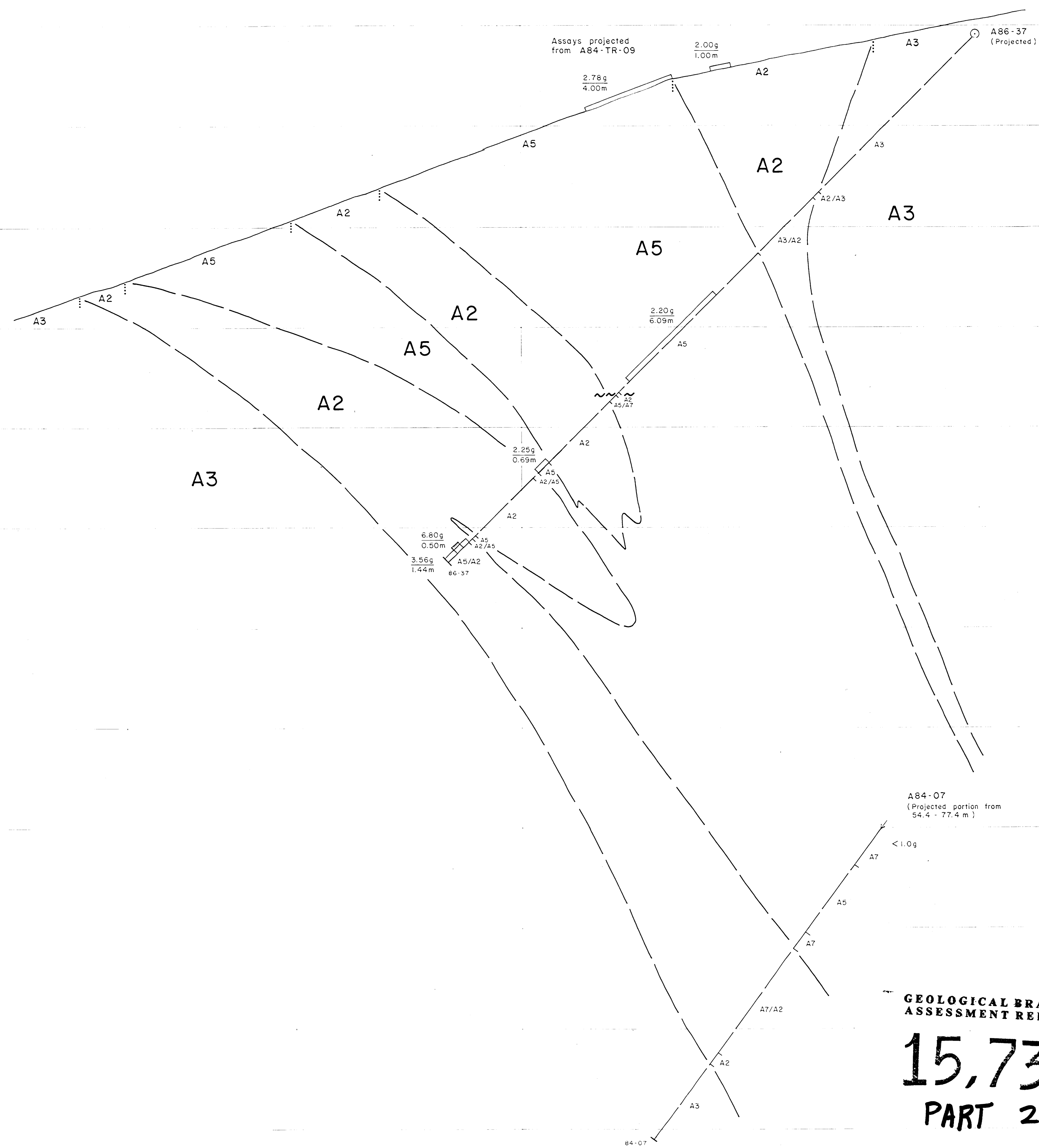
1560

1550

1550

1540

1540



LEGEND

- PRINCIPAL ALTERATION TYPES**
- A3** Fresh or weathered andesite-dacite, also very weak argillic, sericitic or propylitic alteration
  - A2** Intense pervasive argillization
  - A5** Intense silicification with no visible sulfides
  - A7** Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2** Weak pervasive argillization
  - A2/A3** Moderate pervasive argillization
  - A2/A5** Argillization with lesser silicification
  - A5/A2** Silicification with lesser argillization
  - A2/A7** Argillization with lesser silicification
  - A7/A2** Silicification with lesser argillization
- Other Symbols:**
- A86-43** Diamond Drill Hole (Dip, degrees / Bearing, degrees / Length, metres)
  - 1.6g** Gold assay in grams per tonne
  - Geological contact** Defined (solid line), Approximate (dashed line)
  - Fault** (wavy line)

GEOLOGICAL BRANCH ASSESSMENT REPORT

15,735 PART 2 OF 7

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AL PROPERTY  
THESES II ZONE

**SECTION THII-E**  
LOOKING 285°

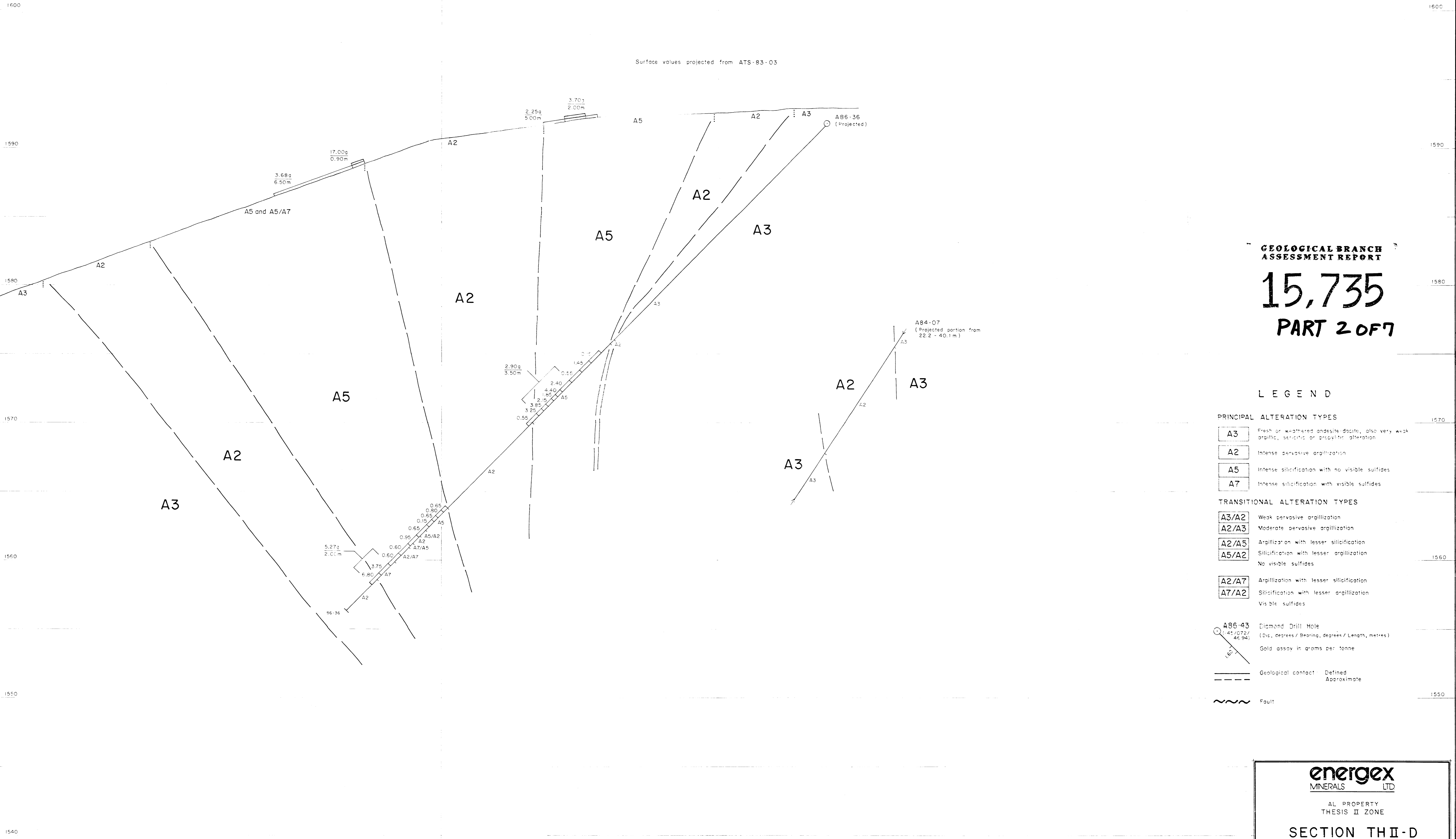
SCALE 1:100

DATE: Oct 1986 NTS: 99E/6W FIGURE: 25E



ELEVATION IN METRES

ELEVATION IN METRES



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

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**LEGEND**

- PRINCIPAL ALTERATION TYPES**
- A3** Fresh or weathered andesite dacite, also very weak argillic, sericitic or propylitic alteration
  - A2** Intense pervasive argillization
  - A5** Intense silicification with no visible sulfides
  - A7** Intense silicification with visible sulfides
- TRANSITIONAL ALTERATION TYPES**
- A3/A2** Weak pervasive argillization
  - A2/A3** Moderate pervasive argillization
  - A2/A5** Argillization with lesser silicification
  - A5/A2** Silicification with lesser argillization  
No visible sulfides
  - A2/A7** Argillization with lesser silicification
  - A7/A2** Silicification with lesser argillization  
Visible sulfides
- A86-43** Diamond Drill Hole  
(Dip, degrees / Bearing, degrees / Length, metres)  
Gold assay in grams per tonne
- Geological contact: Defined (solid line), Approximate (dashed line)
- Fault (wavy line)

**energex**  
MINERALS LTD

AL PROPERTY  
THIS IS II ZONE

**SECTION THII-D  
LOOKING 285°**

SCALE 1:100

DATE: Oct. 1986    NTS: 94E/6W    FIGURE: 25D

ELEVATION IN METRES

ELEVATION IN METRES

1600

1600

1590

1590

1580

1580

1570

1570

1560

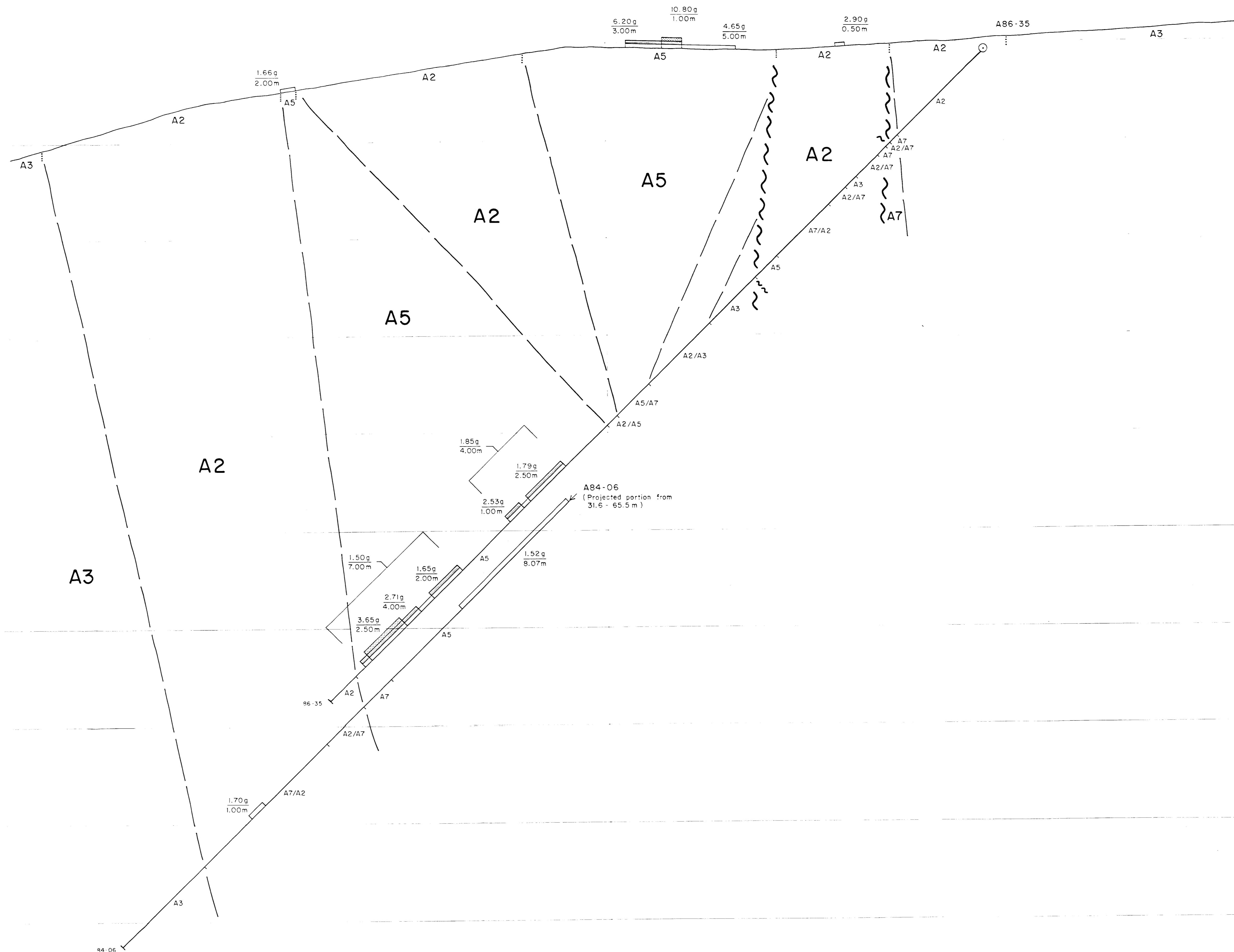
1560

1550

1550

1540

Surface values from A84-TR-010



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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PART 2 OF 7

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AL PROPERTY  
THESIS II ZONE

**SECTION THII-C**  
LOOKING 285°

SCALE 1:100

DATE: Oct 1996    NTS:    DAE/6W    FIGURE: 25C

ELEVATION IN METRES

ELEVATION IN METRES

1600

1600

1590

1590

1580

1580

1570

1570

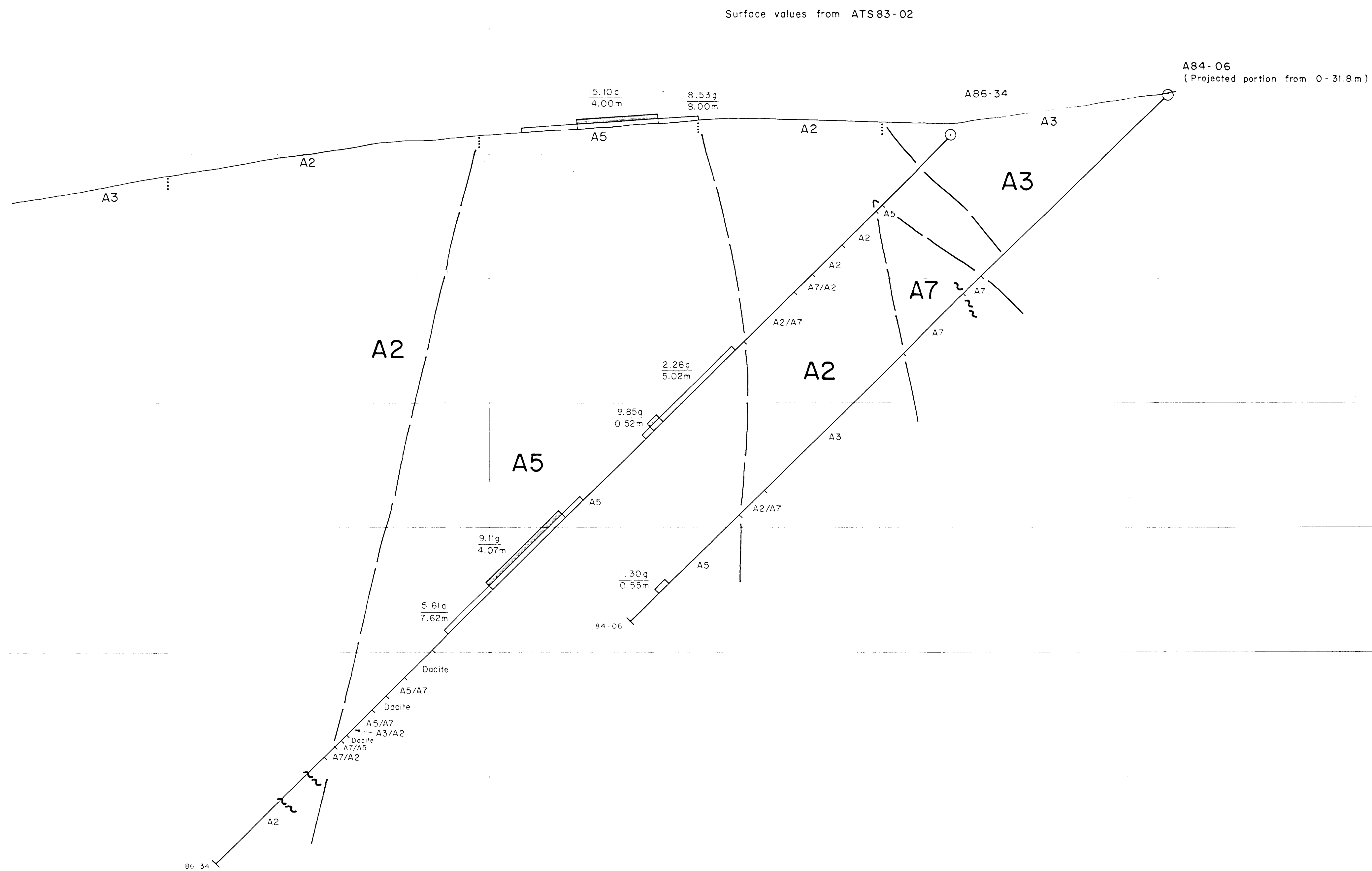
1560

1560

1550

1550

1540



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ASSESSMENT REPORT

15,735

PART 2 OF 7

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AL PROPERTY  
THESES II ZONE

SECTION THII-B  
LOOKING 285°

SCALE 1:100

DATE: Oct. 1986 NTS: 94E/GW FIGURE: 25 B

ELEVATION IN METRES

ELEVATION IN METRES

1600

1600

1590

1590

1580

1580

1570

1570

1560

1560

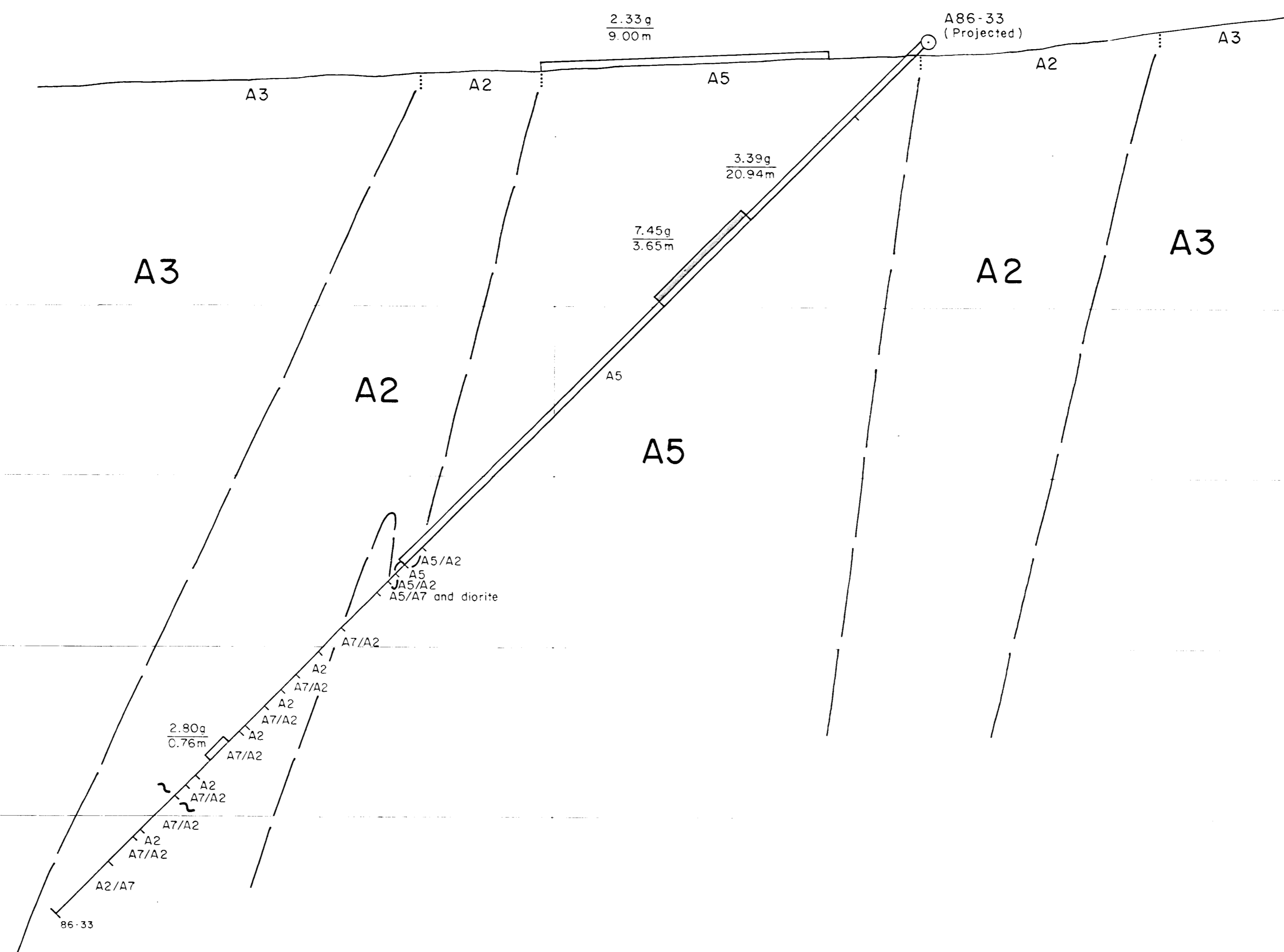
1550

1550

1540

1540

Surface values from A84-TR-O11



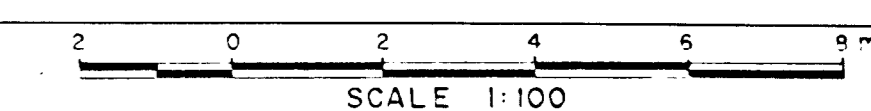
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

15,735  
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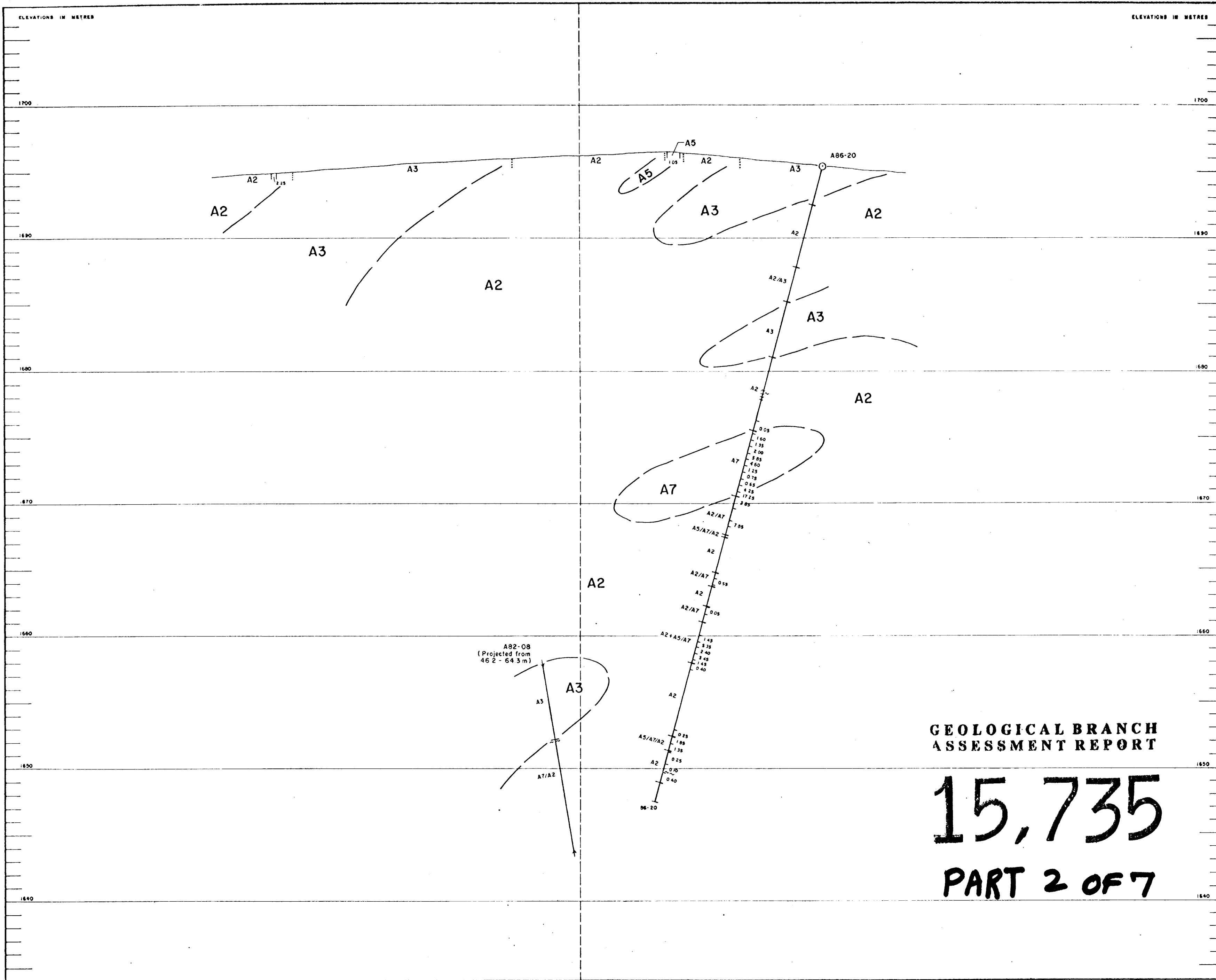
**energex**  
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AL PROPERTY  
THESIS II ZONE

SECTION THII-A  
LOOKING 285°



DATE: Oct. 1996 NTS: 94E/GW FIGURE: 25A



**ELEVATIONS IN METRES**

**LEGEND**

- A2** Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay/sericite; mafic minerals altered or clay-altered; groundmass argillized & sericitized & slightly silicified & hematized.
- A2/A3** Weak pervasive argillization with hematite flooding in matrix.
- A3/A2**
- A3** Weak argillitic, sericitic and/or propylitic alteration; partial replacement by variable clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5** Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as tonoplasts. Groundmass silicified usually with weak hematization. Vugs, trace to 15%, variable quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5** Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays; may be leached.
- A7** Silicification with pyrite. Minor clay remnants.
- A7/A2** Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8** "Propylitic" alteration, weak to strong replacement. Original texture variably preserved. Feldspars are argillized, mafic minerals are pyritized; pyrite is commonly limonitized. Moderate silica flooding throughout groundmass. Generally unconsolidated.

- Diamond Drill Hole
- Au Assay Interval (g/t)
- Fault
- Longitudinal Section Line
- Geologic Contact
- Surficial Geologic Contact

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

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**PART 2 OF 7**

REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** MINERALS LTD  
703 850 W Hastings St  
Vancouver, B.C.  
V6C 1E1  
Telephone (604) 264-1238

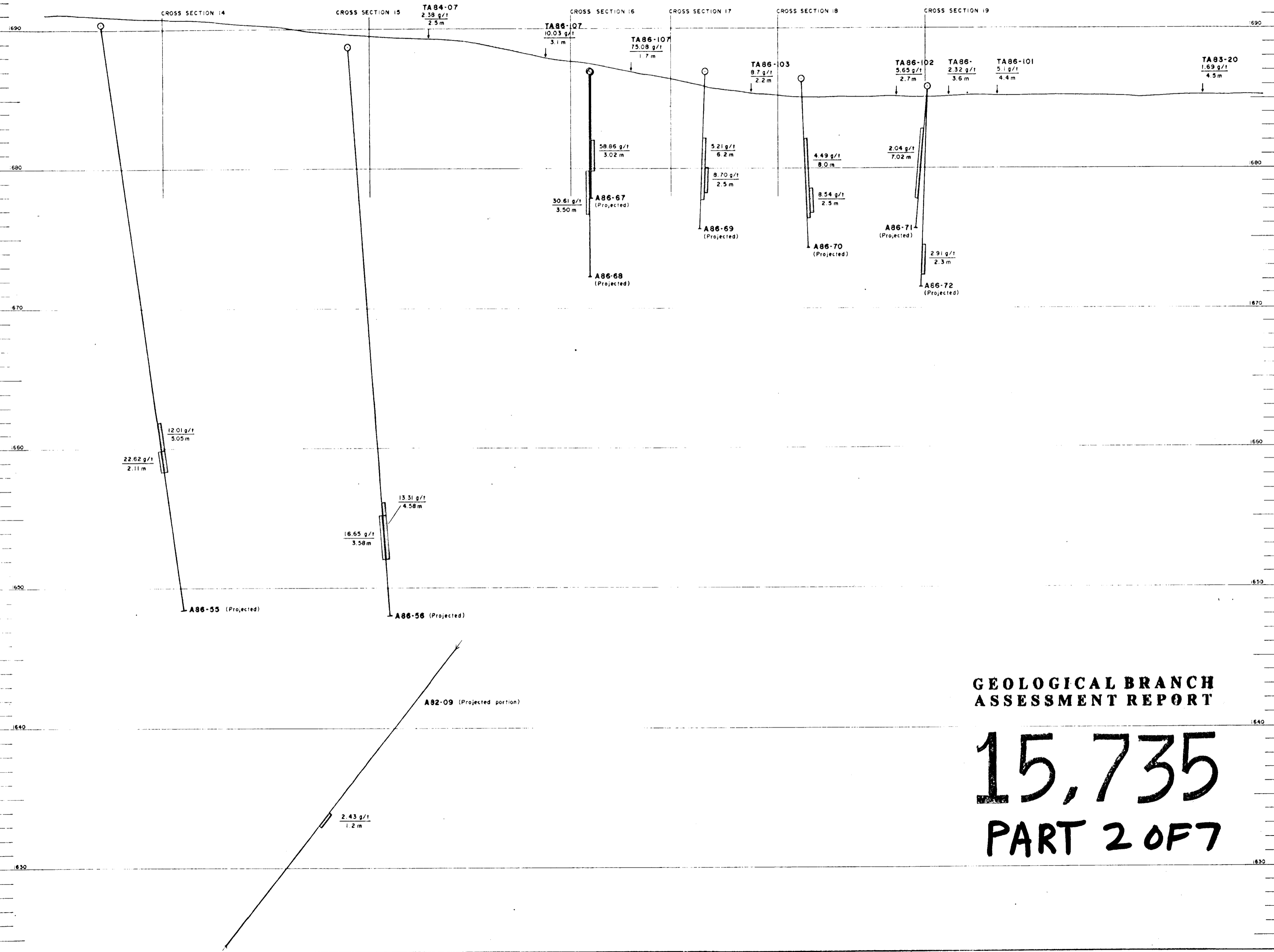
ALL PROPERTY  
BONANZA ZONE  
GEOLOGY  
CROSS SECTION 9  
LOOKING 318°

SCALE 1:200

DATE: Nov 1988 BY: LKE/VJB FIGURE NO: 33I

ELEVATIONS IN METRES

ELEVATIONS IN METRES



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

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REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** 705 850 W Hastings St  
MINERALS LTD Vancouver, B.C.  
V6C 1E1 Telephone: 604-684-258

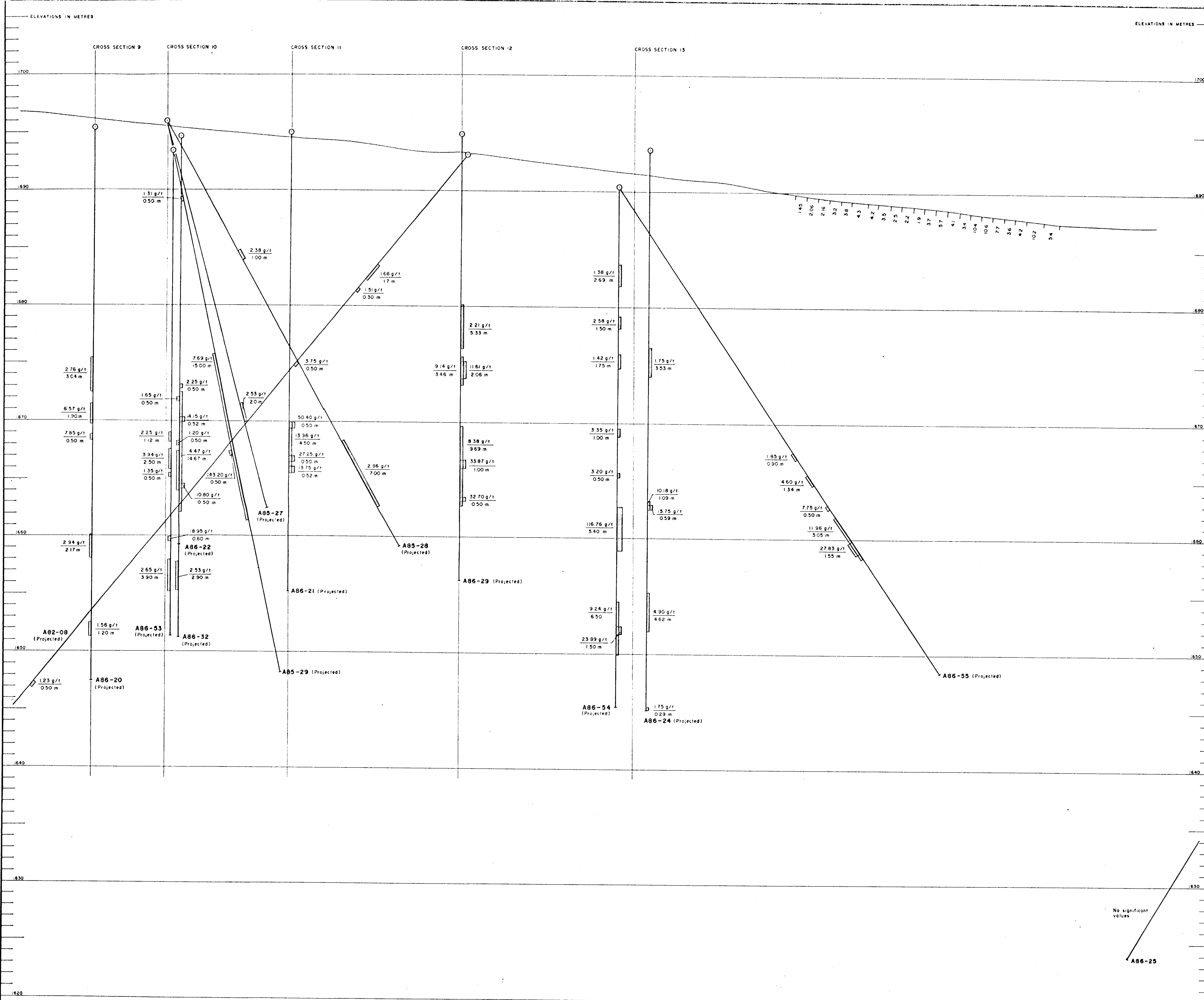
AL PROPERTY  
**BONANZA SOUTH EXTENSION**

**LONG SECTION**  
LOOKING 082° EAST

SCALE 1:200

DATE NOV. 86 NTS  
BY CHND

FIGURE NO  
32C



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

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No significant values

REVISION	DATE	DESCRIPTION	BY	CHKD

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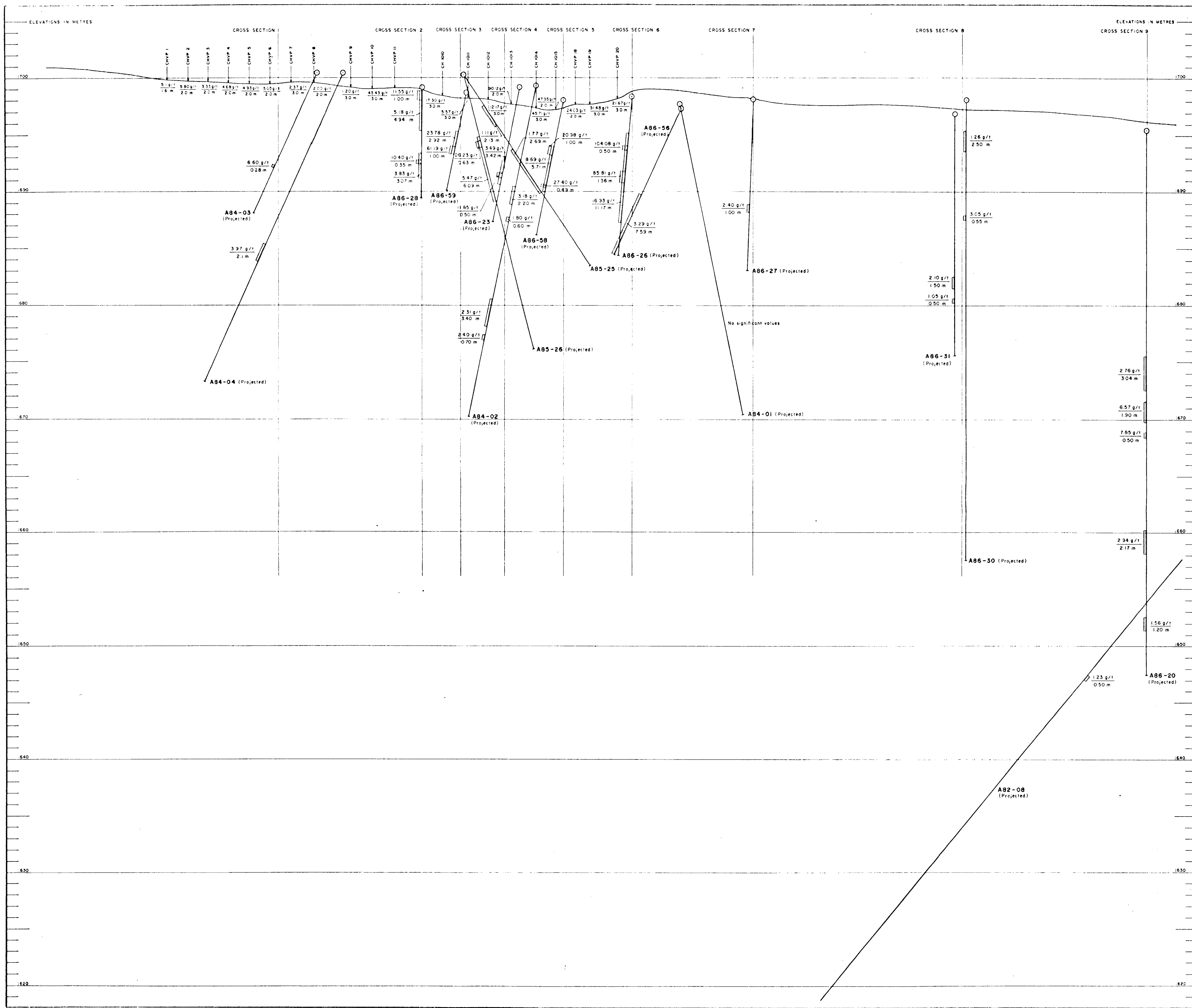
703-850 W. Hastings Street  
Vancouver, B.C.  
V6C 1E1  
Telephone (604) 684-1288

AL PROPERTY  
BONANZA DEPOSIT  
LONG SECTION - SOUTH HALF  
LOOKING 048° NORTHEAST

SCALE: 1:200

DATE: NOV 86  
BY: L.K.E., H.A.

FIGURE No. 32B



**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

# 15,735

## PART 2 OF 7

REV	DATE	DESCRIPTION	BY	CHKD

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 MINERALS LTD

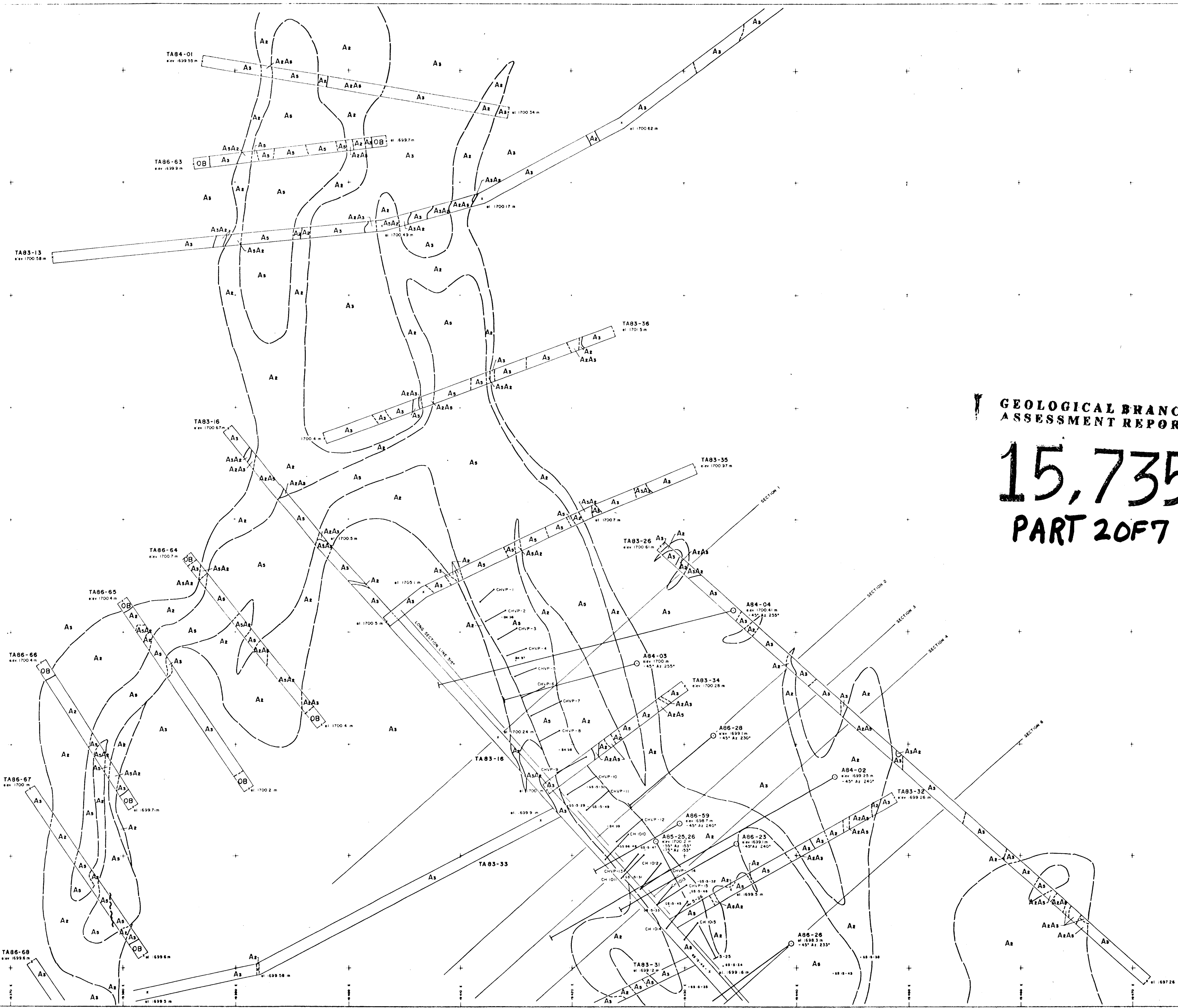
105-850 Hastings Street,  
 Vancouver, B.C.  
 V6C 1E1  
 Telephone: (604) 684-1228

AL PROPERTY  
 BONANZA DEPOSIT  
 LONG SECTION - NORTH HALF  
 LOOKING 048° NORTHEAST

SCALE 1:200

DRAWN BY: L.K.E., M.A. DATE: NOV 86  
 CHECKED BY: [ ]  
 FILE NO: 32A





**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735  
PART 2 OF 7**

**LEGEND**

- A2 Perovite & argillization. Local original texture preserved. Feldspars completely altered to clay/sericite, matrix obscured, or clay-altered, groundmass argillized & sericitized & slightly silicified & hematized.
- A2/A3 A2/A3 weak pervasively argillization with hematite flooding in matrix.
- A3 As & argillite, sericite and/or pyritic alteration, partial replacement by variable clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5 Silicification. No pyrite. Original texture preserved locally. Feldspars silicified. Vugs may be present as thin plates. Groundmass silicified usually with weak hematization. Vugs, trace to 5%, variable quartz disse, may be coated with Fe oxide. Vugs from fractured feldspar & between breccia fragments.
- A2/A5 argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2 Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays, may be leached.
- A7 Silicification with pyrite. Minor clay remnants.
- A7/A2 Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8 "Pre-phyllite" alteration, weak to strong replacement. Original texture variably preserved. Feldspars are argillized, mafic minerals are pyriticized, pyrite is commonly limonitized. A moderate silica flooding throughout groundmass. Generally unconsolidated.

Geologic Contact

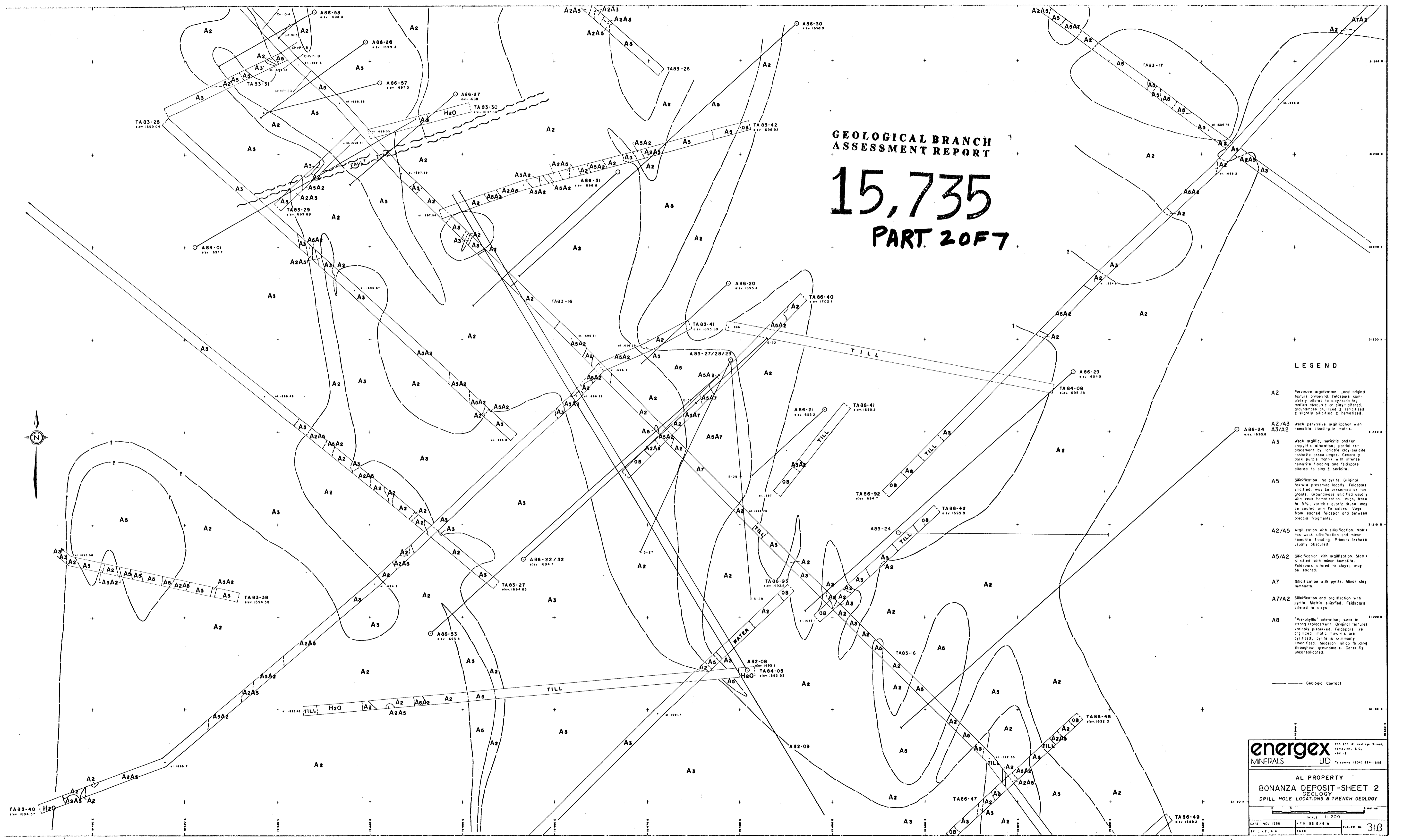
**energex**  
MINERALS LTD

AL PROPERTY  
BONANZA DEPOSIT-SHEET 3  
GEOLOGICAL  
DRILL HOLE LOCATIONS & TRENCH RESULTS

DATE NOV. 1986 BY L.K.E., M.A. CHRD: FIGURE NO 31c

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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PART 2 OF 7



LEGEND

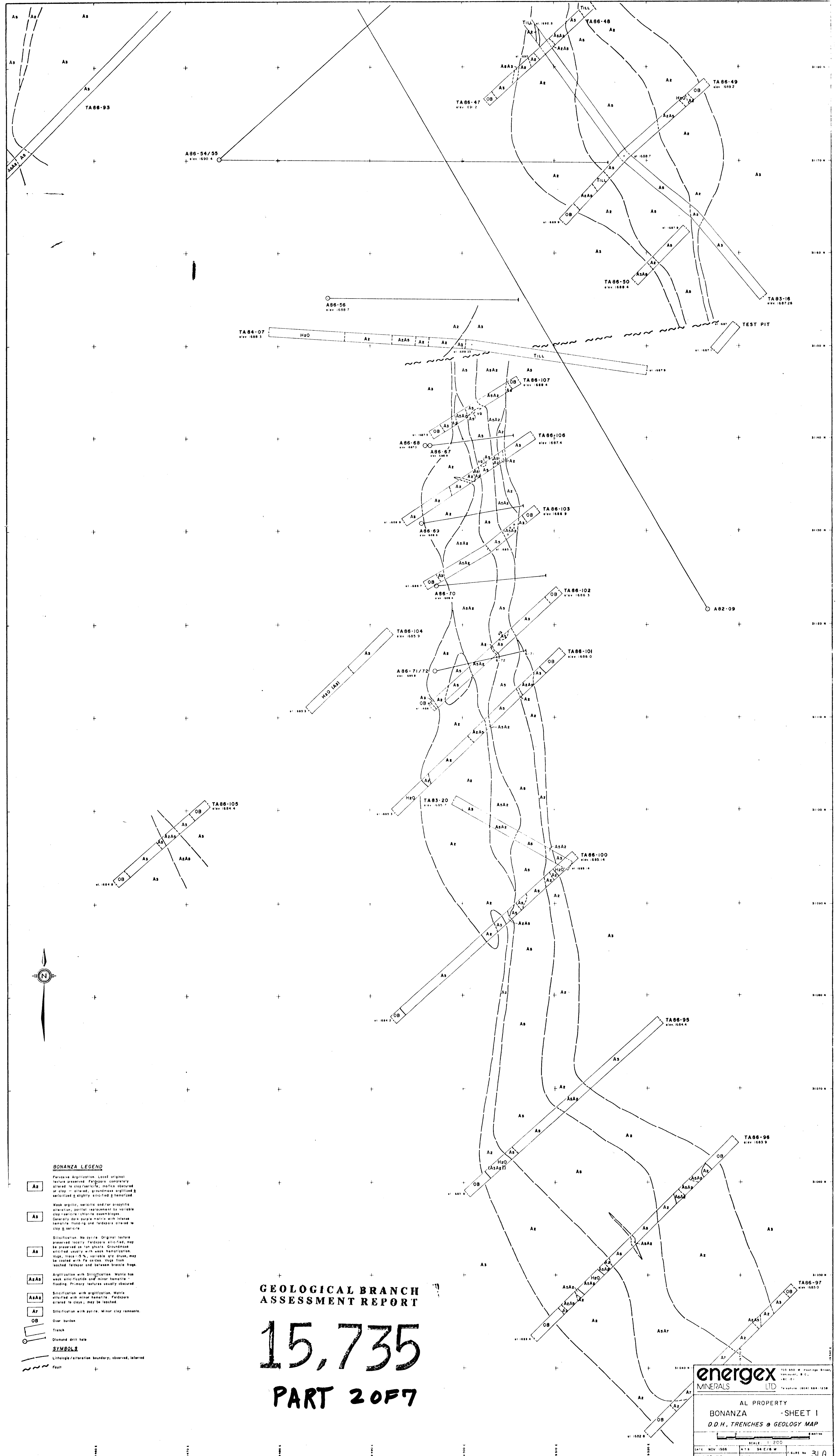
- A2 Perseverant argillization. Local original texture preserved. Feldspars completely altered to clay/sericite, matrix obscure or clay-altered, groundmass silicified & sericitized & slightly silicified & hematized.
- A2/A3 A3/A2 Weak perseverant argillization with hematite flooding in matrix.
- A3 Weak argillic, sericite and/or propylitic alteration, partial replacement by orange clay/sericite -chlorite, green jags. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5 Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as ion ghosts. Groundmass silicified usually with weak hematization. Vugs, trace to 5%, variable quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and between biotite fragments.
- A2/A5 Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2 Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays; may be washed.
- A7 Silicification with pyrite. Minor clay remnants.
- A7/A2 Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8 "Pre-phyllitic" alteration, weak to strong replacement. Original textures weakly preserved. Feldspars are argillized, mafic minerals are pyritized, pyrite is commonly limonitized. Moderate silica Fe-oxide throughout groundmass. Generally unconsolidated.

Geologic Contact

**energex**  
MINERALS LID

AL PROPERTY  
BONANZA DEPOSIT-SHEET 2  
GEOLOGY  
DRILL HOLE LOCATIONS & TRENCH GEOLOGY

DATE: NOV 1986  
SCALE: 1:200  
FIGURE NO: 31B



**BONANZA LEGEND**

- A2** Perched Argillization. Local original texture preserved. Feldspars completely altered to clay/sericite; matrix obscured or clay - altered; groundmass argillized & sericitized & slightly silicified & hematitized.
- A3** Weak argillite, sericite and/or prargillite situation, partial replacement by variable clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A3A** Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as thin plates. Groundmass silicified usually with weak hematization. Vugs, trace - 5%, variable size druse, may be coated with Fe oxides. Vugs from leached feldspar and between brachiella frags.
- A3A2** Argillization with Silicification. Matrix has weak silicification and minor hematite - flooding. Primary textures usually obscured.
- A3A3** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clay; may be leached.
- A3A4** Silicification with pyrite. Minor clay remnants.
- OB** Over burden
- Trench** Trench
- Diamond drill hole** Diamond drill hole
- SYMBOLS**
- Lithologic/alteration boundary; observed, inferred**
- Fault** Fault

**GEOLOGICAL BRANCH ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

**energex**  
MINERALS LID

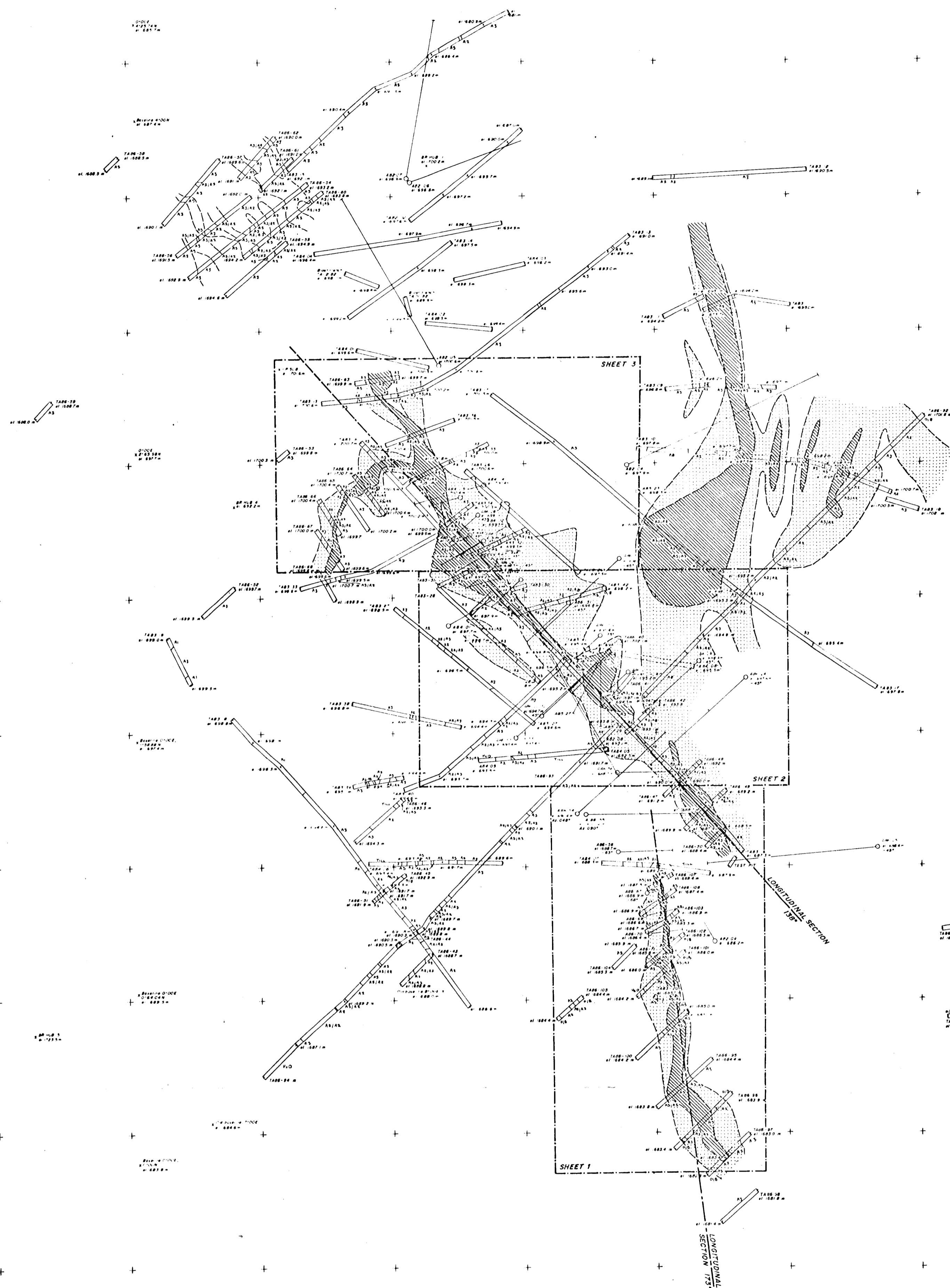
AL PROPERTY  
BONANZA - SHEET 1  
D.D.H. TRENCHES & GEOLOGY MAP

SCALE 1:200  
DATE NOV 1988  
BY L.K.E.W.A.

701 830 W. HURONTARIO STREET, SUITE 101, LONDON, ONT. N6C 1E1  
TELEPHONE (504) 884-1258

FIGURE No. 31A



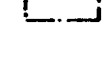
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**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**

**PART 2 OF 7**

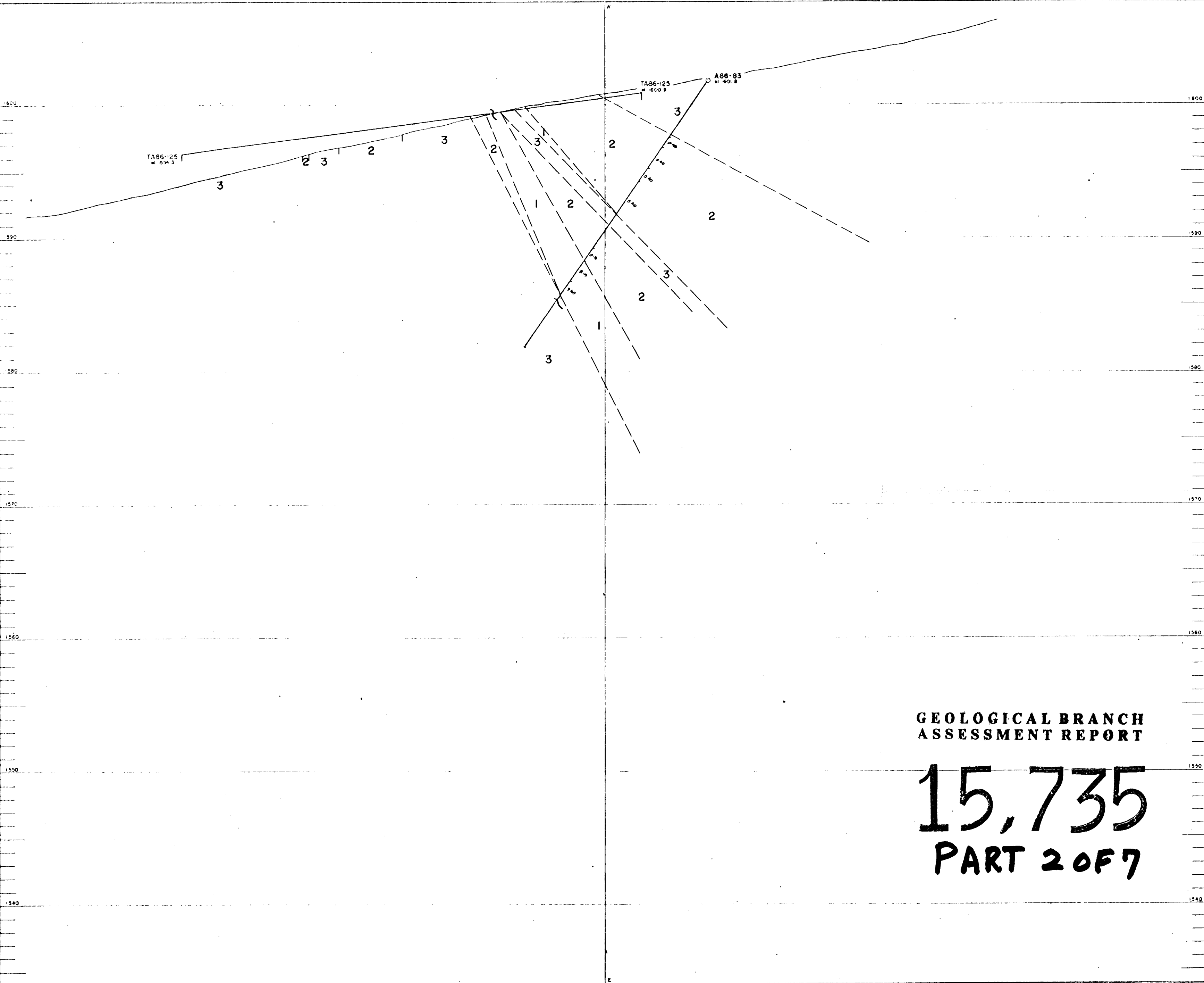
- LEGEND**
-  Silicified volcanic tuffs mineralized with Au (1:100 g/t)
  -  Silicified and/or pyritic volcanic
  -  Area covered by 1:100 detail map

**energex** 703-830 W. Hastings Street, Vancouver, B.C. Telephone: (604) 684-1828  
**MINERALS LTD**

**GHOST & VERRENASSE ZONES  
BONANZA**  
 1986 D.D.H.'s 84, 86 & 88 TRENCHES  
 GENERAL GEOLOGY

SCALE: 1:1000

DATE: Nov 1986	BY: N.T.S. SRE/SW	FIGURE NO: 30
	CHKD:	



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

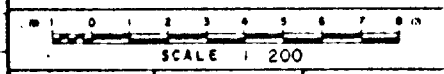
**LEGEND**

- 3** Unaltered hoste rock - purple porphyritic volcanics.
- 2** Silicified + clayed hoste rock - unmineralized with gold.  
Au grades < 1gm / tonne
- 1** Mineralized, altered hoste rock ± Barite  
Au grades > 1gm / tonne
- Drill hole
- Au Assay
- ~ Fault

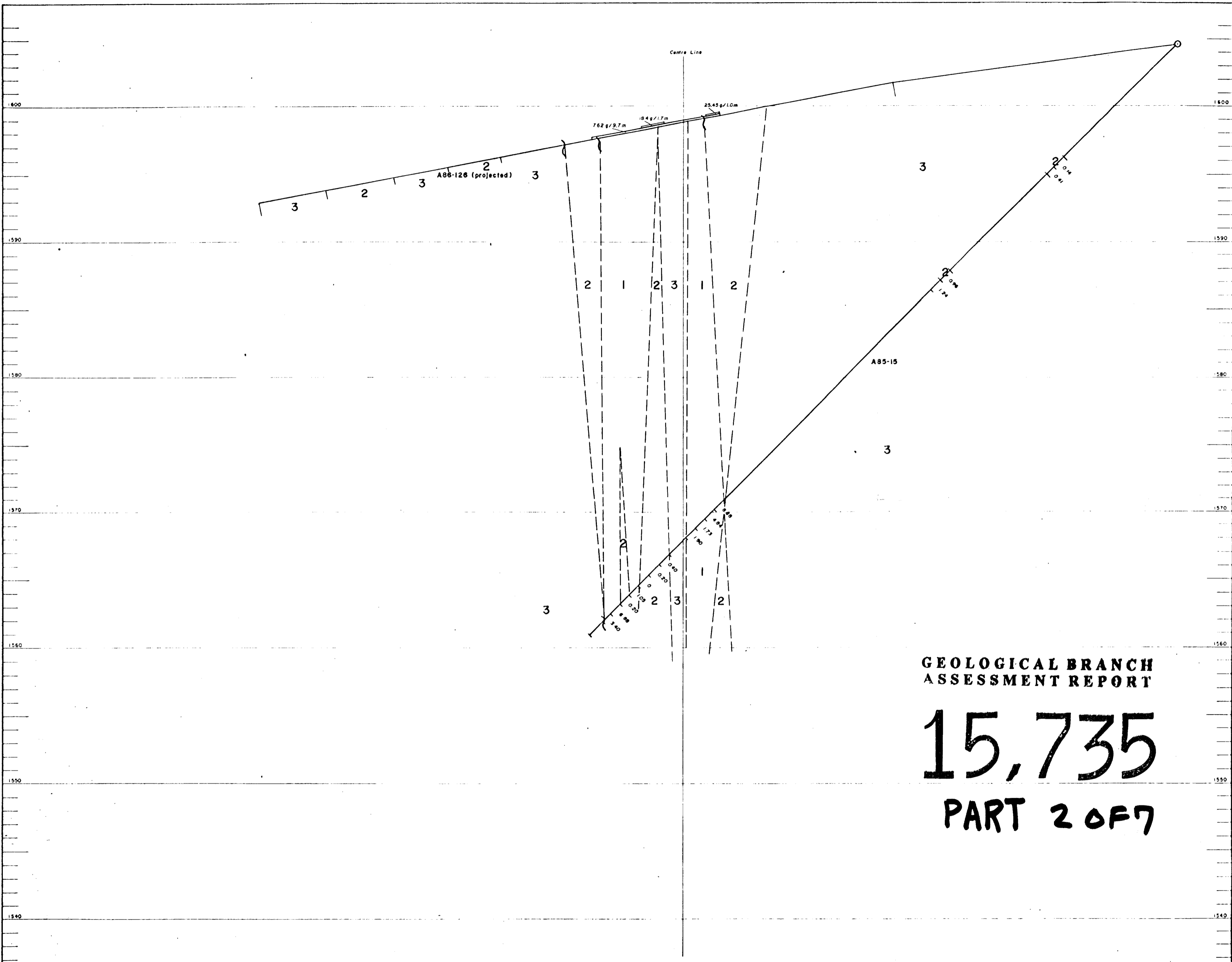
REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** MINERALS LTD  
703 BDC # 1007 Ave W  
 1st Floor, B.C.  
 Vancouver, B.C. V6C 1E1  
 Telephone: (604) 684-2288

AL PROPERTY  
 BY ZONE  
**CROSS SECTION 18**  
 GEOLOGY  
 LOOKING 290° NORTHWEST



DATE Nov. 86 BY LKE  
 CHKD: [ ]  
 FIGURE NO. 290



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

- LEGEND**
- 3** Unaltered hoste rock - purple porphyritic volcanics.
  - 2** Silicified + clayed hoste rock - unmineralized with gold. Au grades < 1gm/tonne
  - 1** Mineralized, altered hoste rock ± Barite Au grades > 1gm/tonne
  - Drill hole
  - Au Assay
  - ~ Fault

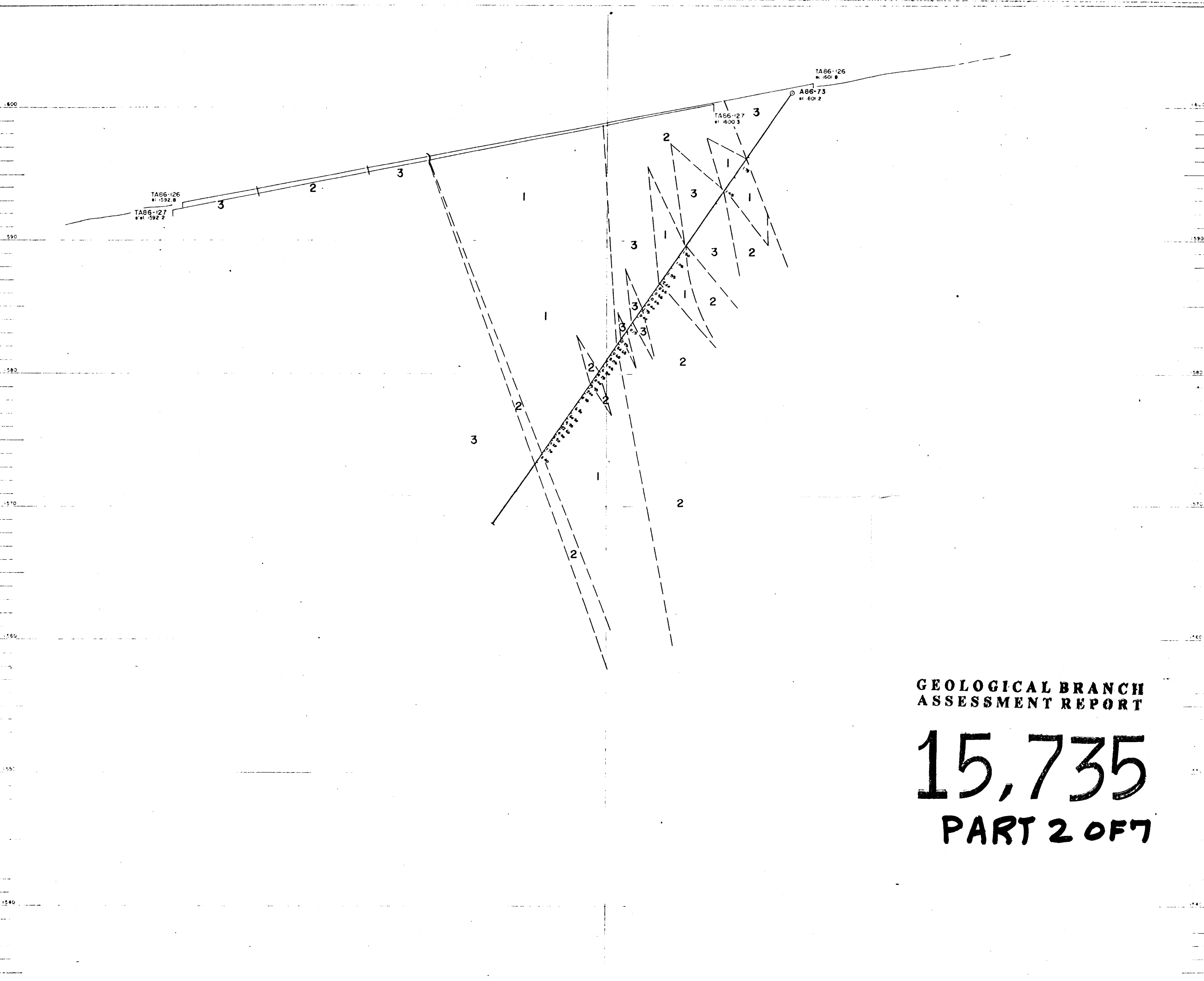
REV'SION	DATE	DESCRIPTION	BY	CHKD

**energex** MINERALS LTD  
 703-850 W. Hastings St. Vancouver, B.C. V5C 1E1  
 Telephone (604) 684-2508

AL PROPERTY  
 BV ZONE  
 SECTION 17 B  
 GEOLOGY  
 LOOKING 290° NW

SCALE 1:200

DATE NOV 88	RTS	FIGURE
BY LKE	CHKD	29N



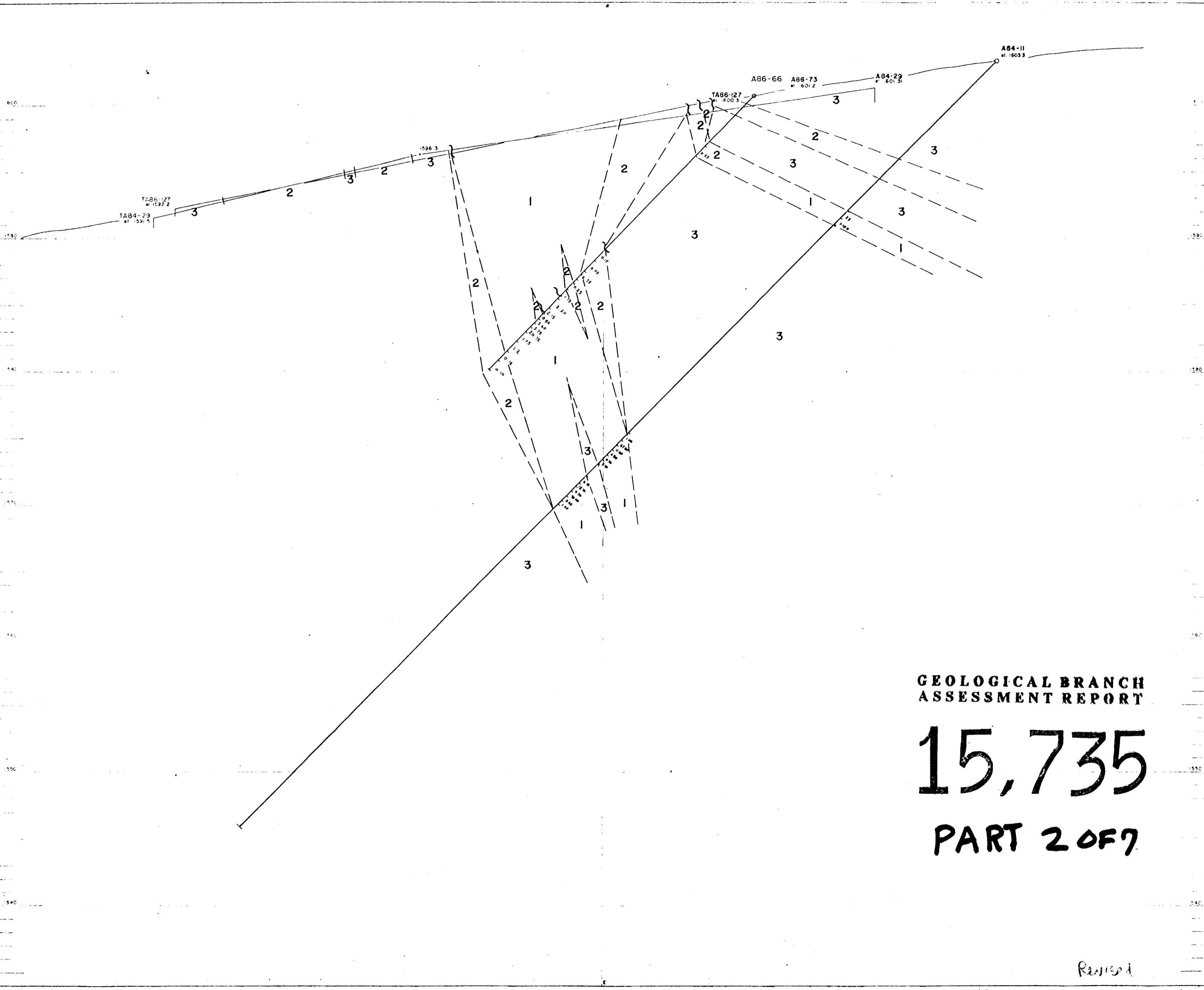
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

# 15,735

**PART 2 OF 7**

- LEGEND**
- 3** Unaltered host rock - purple porphyritic volcanics.
  - 2** Silicified + clayed host rock - unmineralized with gold.  
Au grades < 1 gm / tonne
  - 1** Mineralized, altered host rock ± Barite  
Au grades > 1 gm / tonne
  - Drill hole
  - Au Assay
  - Fault

ALL PROPERTY <b>BV ZONE</b> <b>CROSS SECTION 17A</b> <b>GEOLOGY</b> LOOKING 290° NORTHWEST	
SCALE 1:200	
DATE Nov. 86 BY LKE	FIGURE NO 29M



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**

**PART 2 OF 7**

LEGEND

- 3** Unaltered hoste rock - purple porphyritic volcanics.
- 2** Silicified + clayed hoste rock - unmineralized with gold.  
Au grades < 1 gm / tonne
- 1** Mineralized, altered hoste rock ± Barite  
Au grades > 1 gm / tonne
- Drill hole
- Au Assay
- ~ Fault

**energex** 703 800 W. Hurlingham  
M.P. 145 S. LD. LANSBURG B.C.  
V6C 4E1 Telephone 804 884 1500

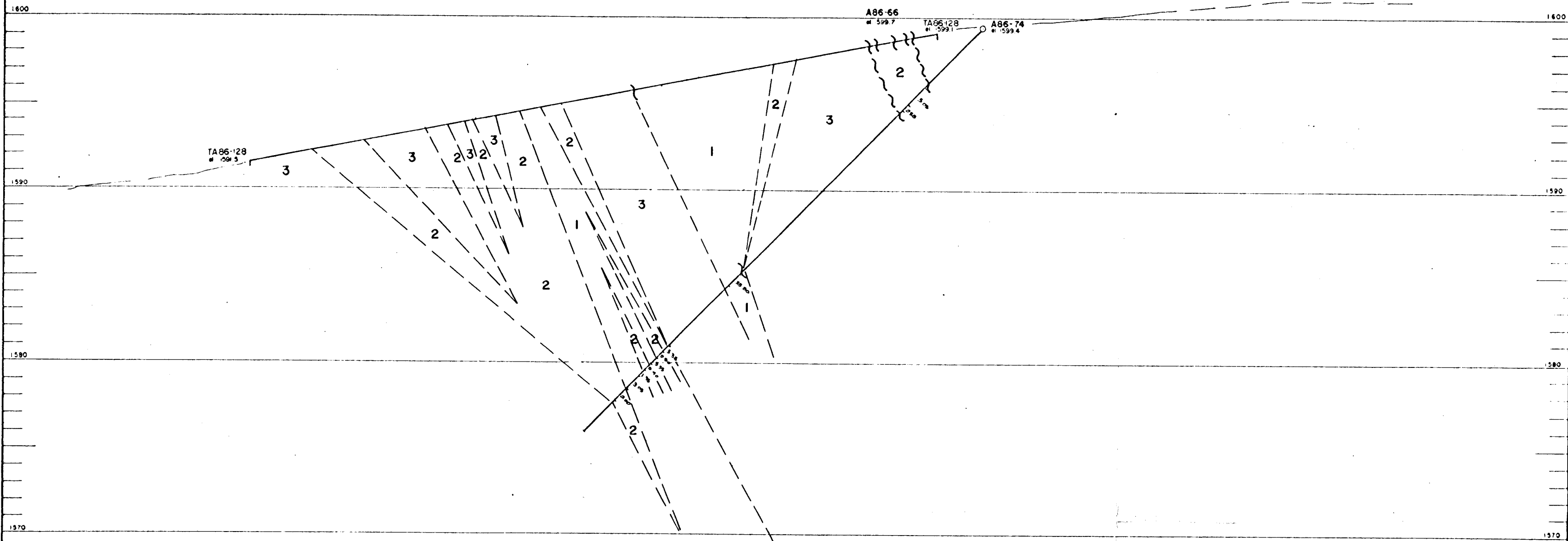
ALL PROPERTY  
BY ZONE  
**CROSS SECTION 16**  
GEOLOGY  
LOCKING 290° NORTHWEST

SCALE 1:200

DATE Nov. 86 BY LKE CHAD FIGURE NO 29 L

*Revised*





**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

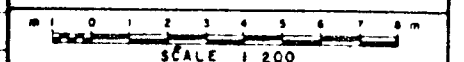
**15,735**  
**PART 2 OF 7**

- LEGEND**
- 3** Unaltered hoste rock - purple porphyritic volcanics.
  - 2** Silicified + clayed hoste rock-unmineralized with gold. Au grades < 1gm/tonne
  - 1** Mineralized, altered hoste rock ± Barite Au grades > 1gm/tonne
  - Drill hole
  - Au Assay
  - ~ Fault

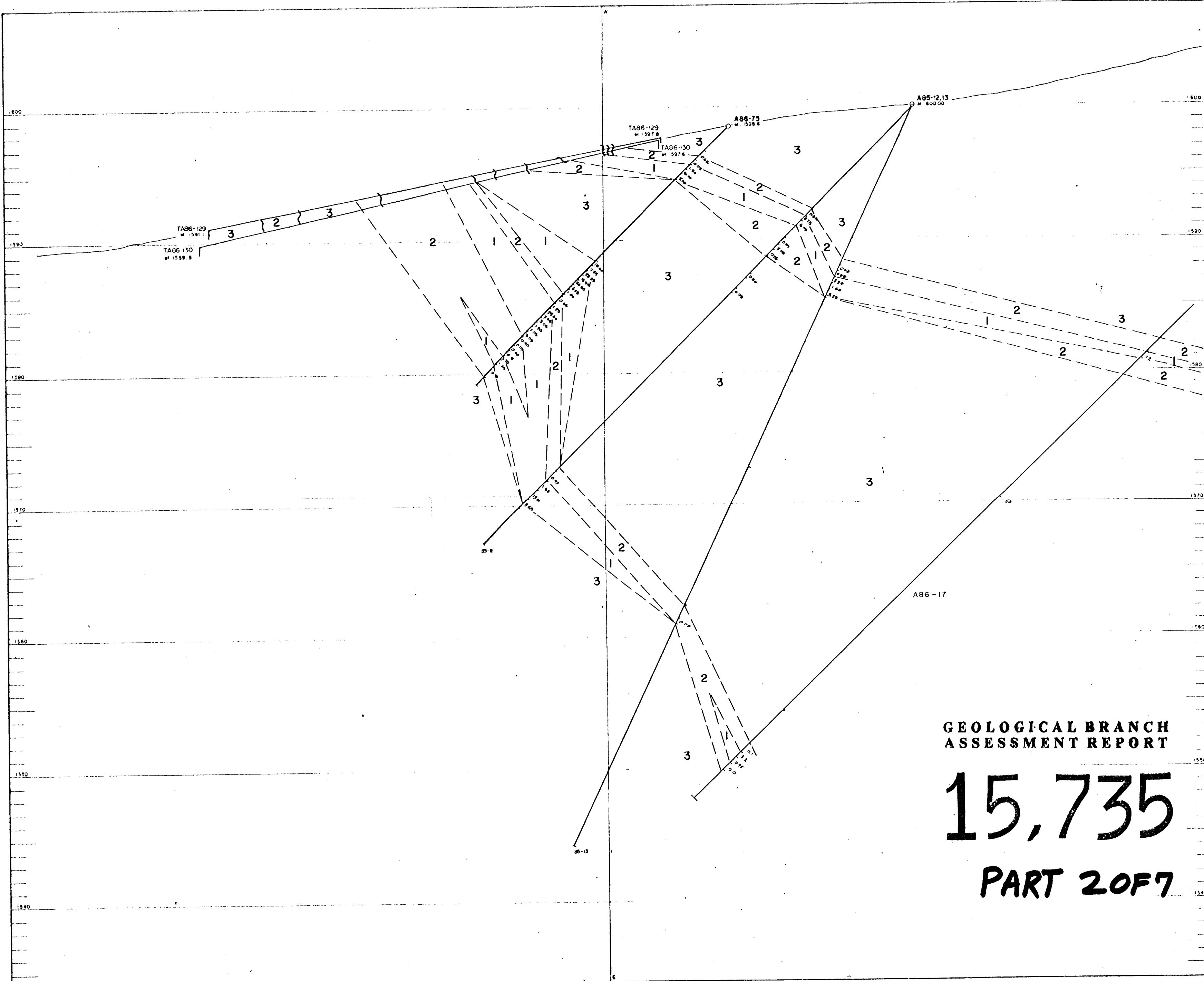
REVISION	DATE	DESCRIPTION	BY	CHKD

**energex**  
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703 450 West 1st St  
Vancouver, B.C.  
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AL PROPERTY  
BV ZONE  
CROSS SECTION 15  
GEOLOGY  
LOOKING 290° NORTHWEST



DATE Nov.86 BY LKE  
 HYS CHD  
 FIGURE NO 29K



- LEGEND**
- 3** Unaltered hoste rock - purple porphyritic volcanics.
  - 2** Silicified + clayed hoste rock - unmineralized with gold.  
Au grades < 1gm/tonne
  - 1** Mineralized, altered hoste rock ± Barite  
Au grades > 1gm/tonne
  - Drill hole
  - Au Assay
  - ~ Fault

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

REVISION	DATE	DESCRIPTION	BY	CHKD

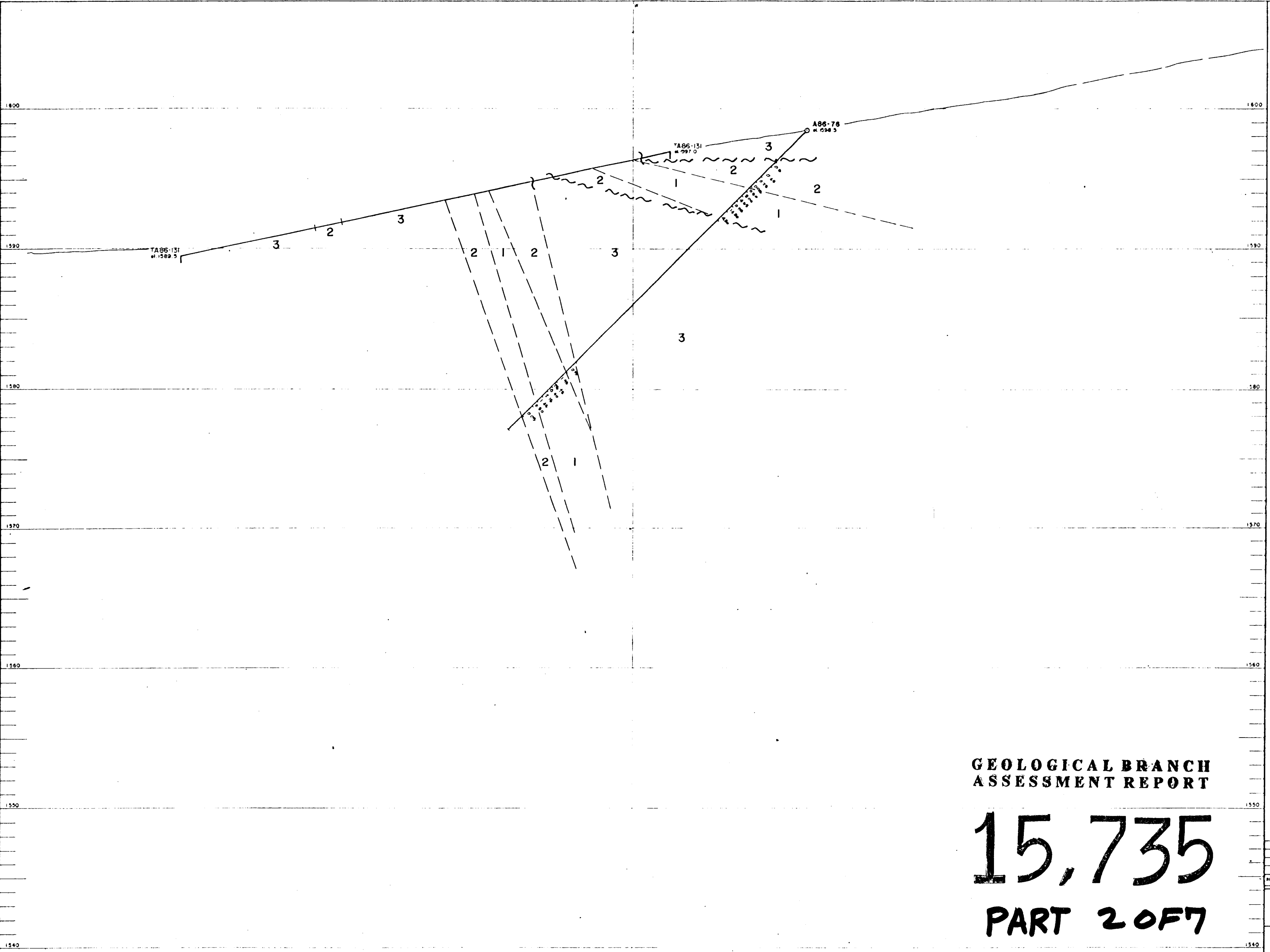
**energex**  
MINERALS LTD

ALL PROPERTY  
BV ZONE  
CROSS SECTION 14  
GEOLOGY  
LOOKING 290° NORTHWEST

SCALE 1:200

DATE Nov. 86 BY LKE  
BY LKE CHKD

CURVE NO. 29J



**LEGEND**

- 3** Unaltered hoste rock - purple porphyritic volcanics.
- 2** Silicified + clayed hoste rock - unmineralized with gold.  
Au grades < 1 gm / tonne
- 1** Mineralized, altered hoste rock ± Barite  
Au grades > 1 gm / tonne
- Drill hole
- Au Assay
- ~ Fault

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

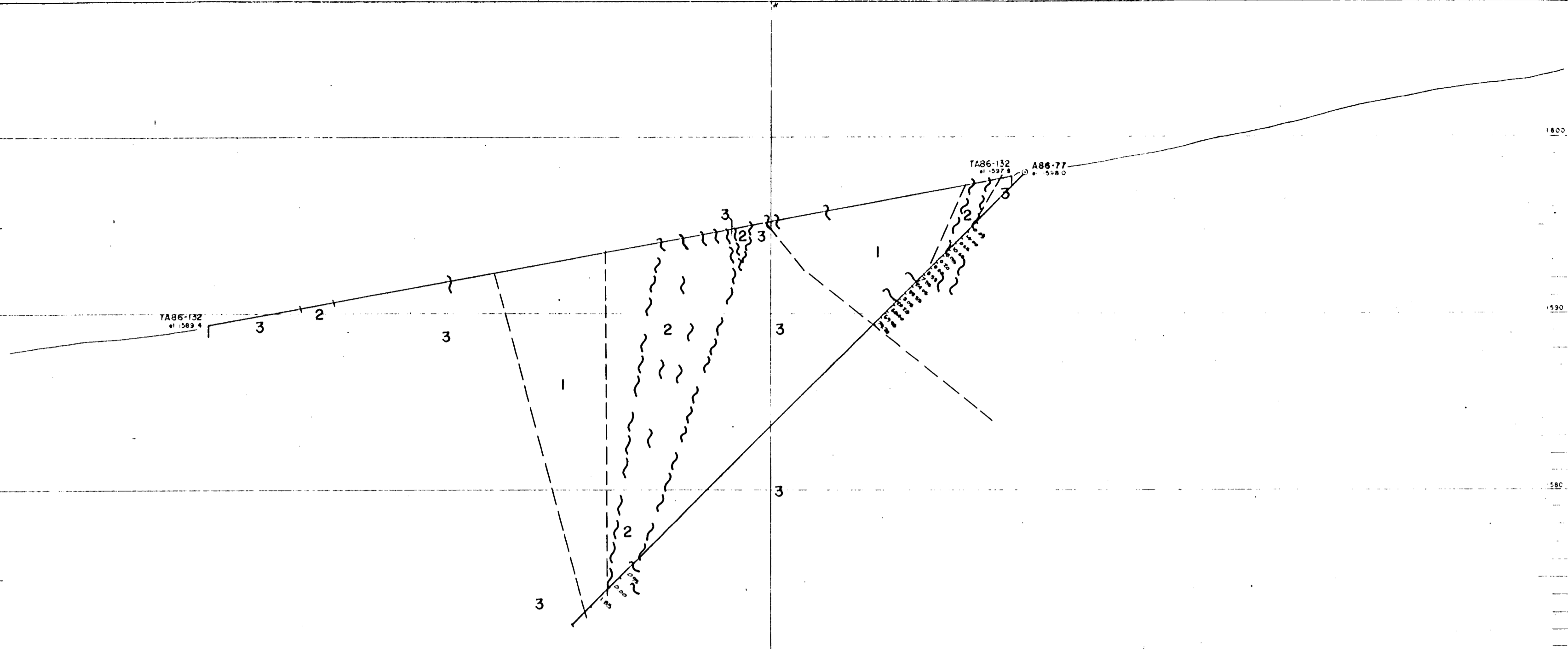
REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** MINERALS LTD  
103-850 W. HASTINGS ST. VANCOUVER, B.C. V6P 1E7  
 Telephone 604-684-2500

AL PROPERTY  
 BV ZONE  
**CROSS SECTION 13**  
 GEOLOGY  
 LOOKING 290° NORTHWEST



DATE Nov. 86 BY LKE CHKD CHD  
 FIGURE NO 29 I



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

**LEGEND**

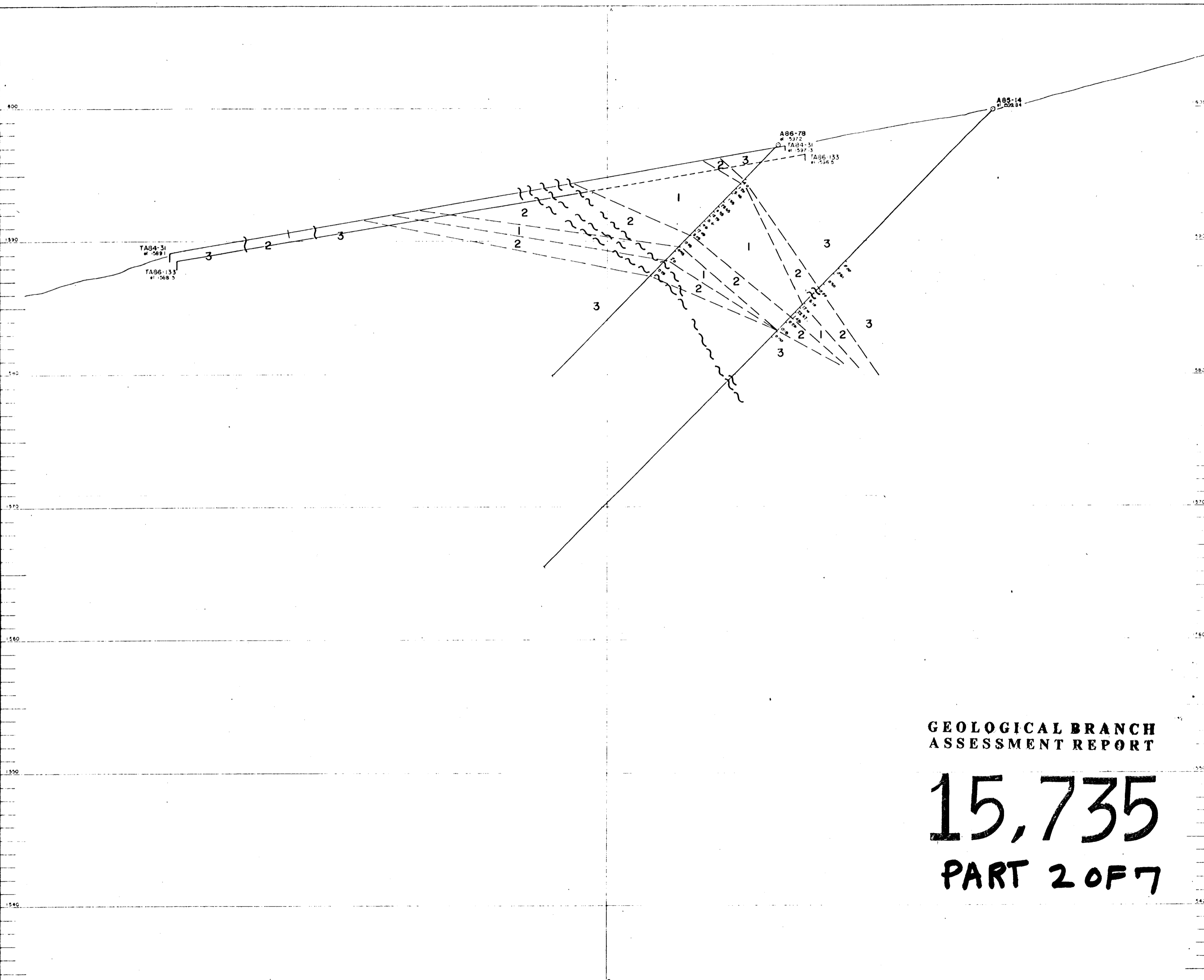
- 3** Unaltered hoste rock - purple porphyritic volcanics.
- 2** Silicified + clayed hoste rock - unmineralized with gold. Au grades < 1 gm/tonne
- 1** Mineralized, altered hoste rock ± Barite Au grades > 1 gm/tonne
- Drill hole
- Au Assay
- ~ Fault

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AL PROPERTY  
BV ZONE  
**CROSS SECTION 12**  
GEOLOGY  
LOOKING 290° NORTHWEST

SCALE 1:200

DATE Nov. 86 BY LKE CHD FIGURE NO 29H



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

**LEGEND**

- 3** Unaltered host rock - purple porphyritic volcanics.
- 2** Silicified + clayed host rock - unmineralized with gold.  
Au grades < 1 gm / tonne
- 1** Mineralized, altered host rock ± Barite  
Au grades > 1 gm / tonne
- Drill hole
- Au Assay
- ~ Fault

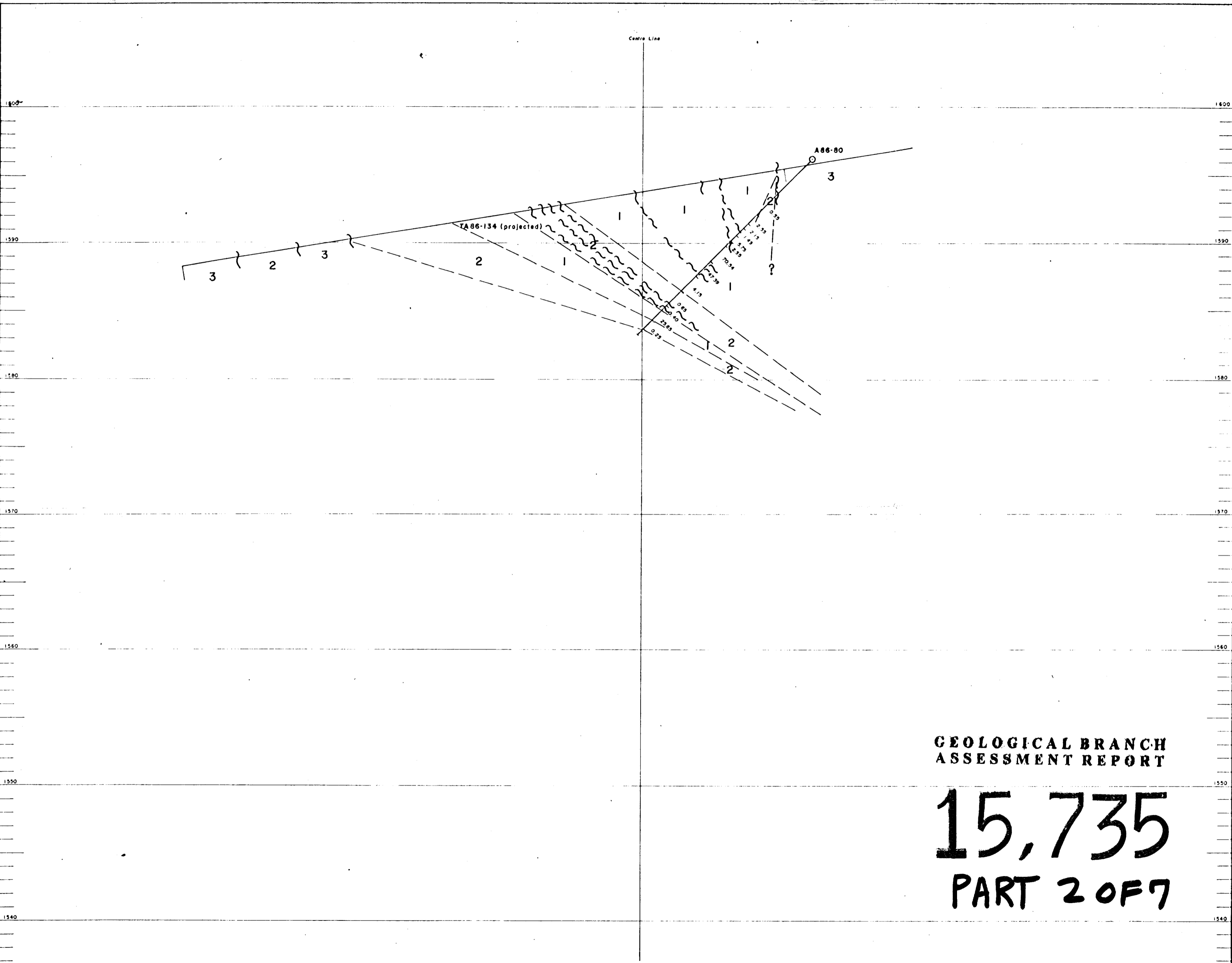
REVISION	DATE	DESCRIPTION	BY	CHKD

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BV ZONE  
**CROSS SECTION II**  
GEOLOGY  
LOOKING 290° NORTHWEST

SCALE 1:200

DATE Nov. 86  
BY LKE  
FIGURE NO 296



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

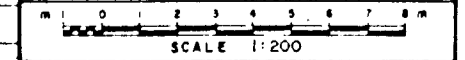
**LEGEND**

- 3** Unaltered hoste rock - purple porphyritic volcanics.
- 2** Silicified + clayed hoste rock - unmineralized with gold. Au grades < 1gm/tonne
- 1** Mineralized, altered hoste rock ± Barite Au grades > 1gm/tonne
- Drill hole
- Au Assay
- ~ Fault

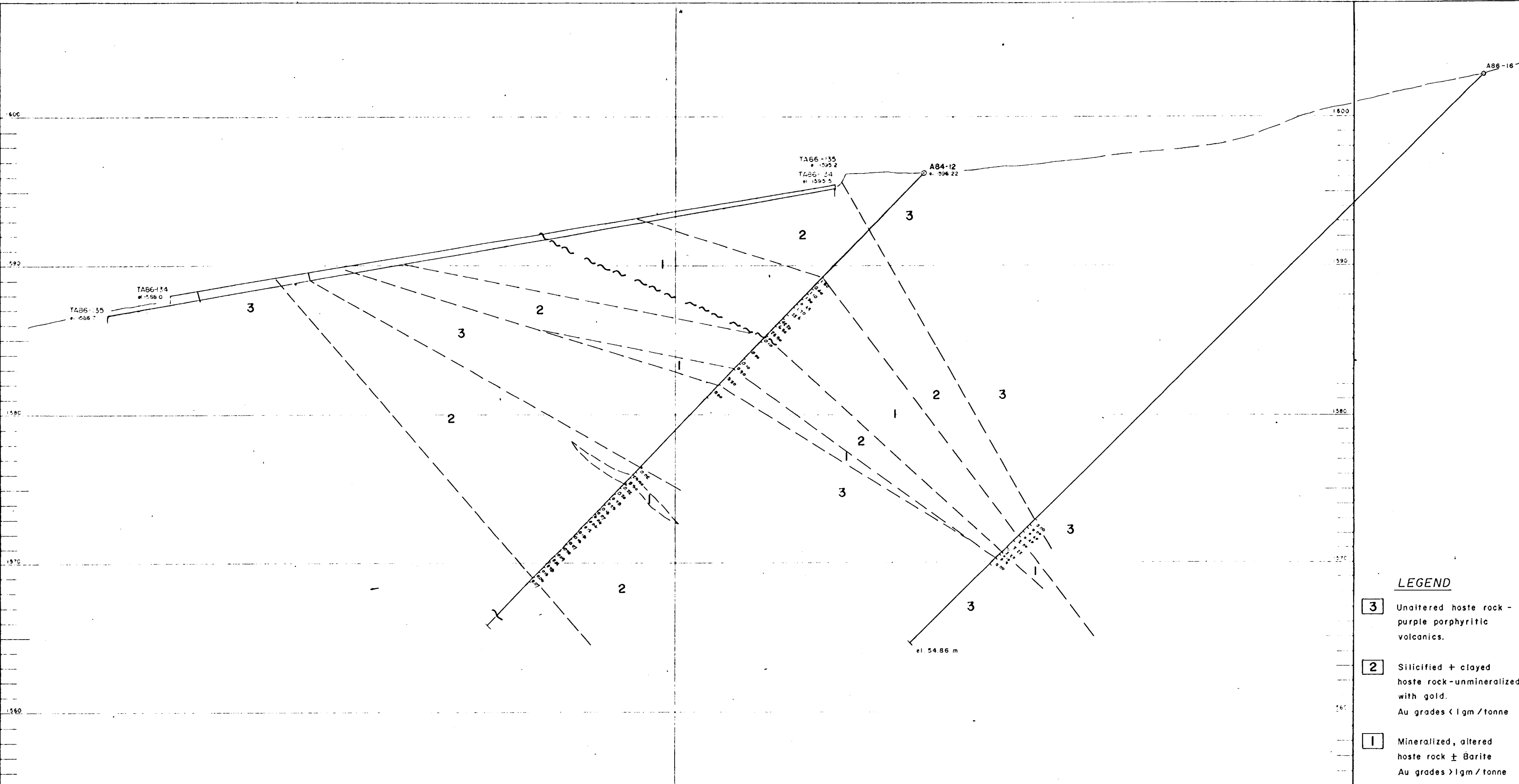
REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** 703 850 W. Hastings St.  
MINERALS LTD. Vancouver, B.C.  
V6C 1E1 Telephone: 604-684-250

AL PROPERTY  
BV ZONE  
CROSS SECTION 10  
LOOKING 290° NW  
GEOLOGY



DATE NOV. 86	HTS	FIGURE NO.
BY LKE	CHKD	29F



**LEGEND**

- 3** Unaltered hoste rock - purple porphyritic volcanics.
- 2** Silicified + clayed hoste rock-unmineralized with gold.  
Au grades < 1gm/tonne
- 1** Mineralized, altered hoste rock ± Barite  
Au grades > 1gm/tonne
- Drill hole
- Au Assay
- Fault

**GEOLOGICAL BRANCH ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

REVISION	DATE	DESCRIPTION	BY	CHKD

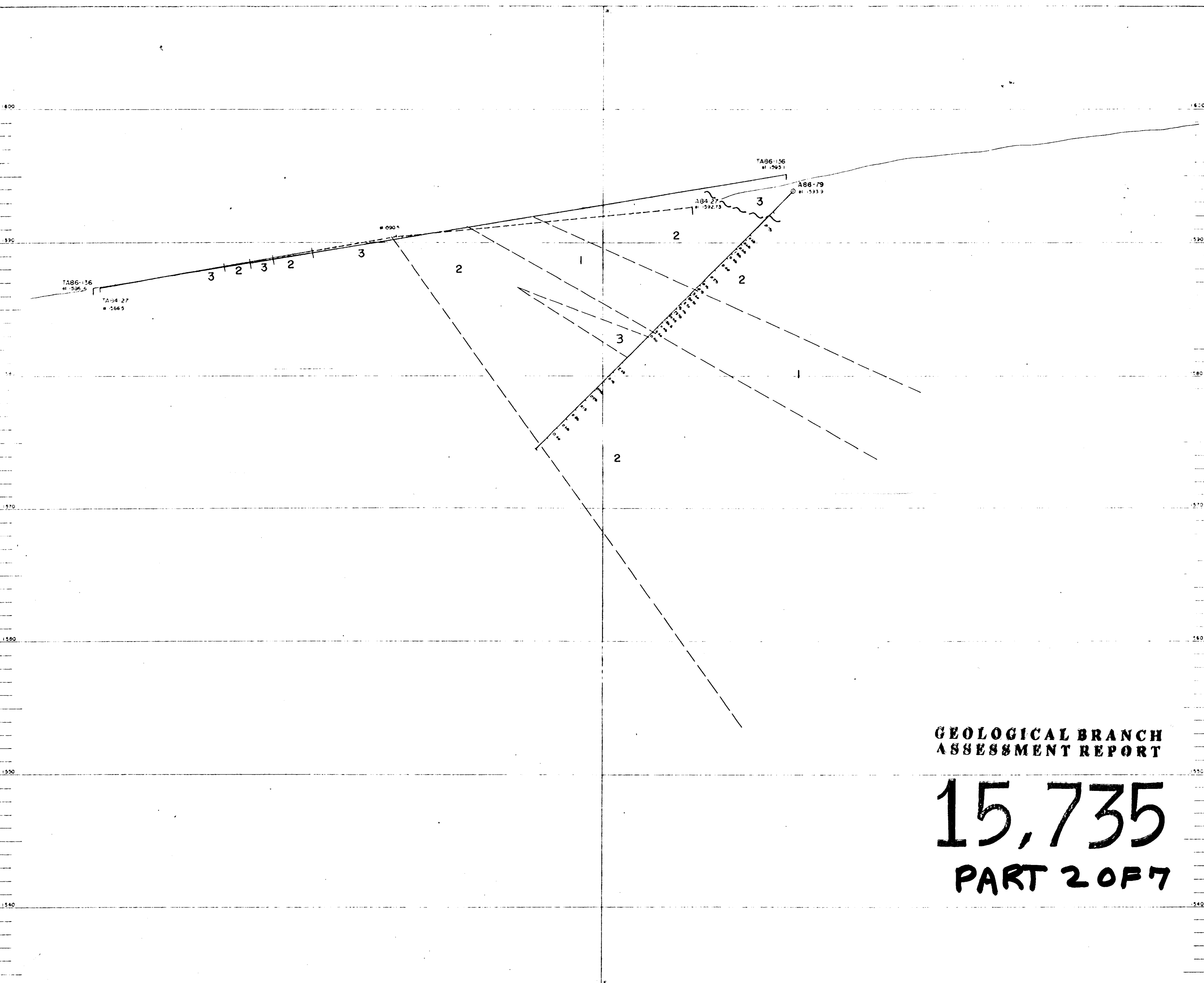
**energex** 703 850 # 1000000000  
MINERALS LTD 1400 101  
AL PROPERTY  
BV ZONE  
CROSS SECTION 9  
GEOLOGY  
LOOKING 290° NORTHWEST

SCALE 1:200

DATE NOV 1986 BY LKE

FIGURE NO 29E

*revised*



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

LEGEND

- 3** Unaltered hoste rock - purple porphyritic volcanics.
- 2** Silicified + clayed hoste rock - unmineralized with gold.  
Au grades < 1 gm/tonne
- 1** Mineralized, altered hoste rock ± Barite  
Au grades > 1 gm/tonne
- Drill hole
- Au Assay
- ~ Fault

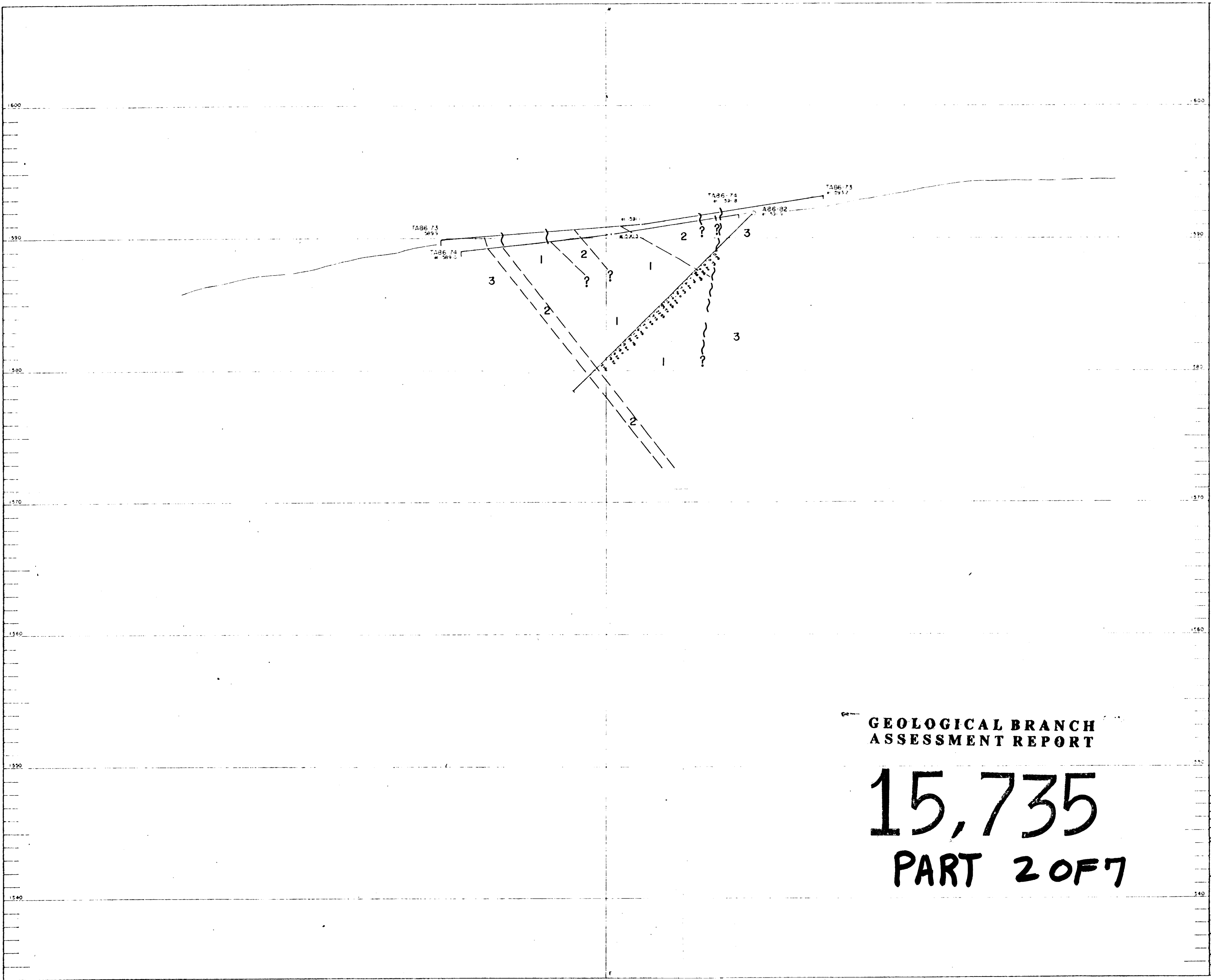
REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** MINERALS LTD  
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 Telephone 604 684 274

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 BV ZONE  
**CROSS SECTION 8**  
 GEOLOGY  
 LOOKING 290° NORTHWEST

SCALE 1:200  
 DATE Nov. 86  
 BY LKE  
 FIGURE NO 29D





**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

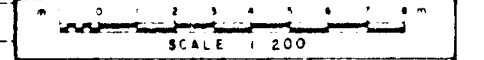
**LEGEND**

- 3** Unaltered host rock - purple porphyritic volcanics.
- 2** Silicified + clayed host rock - unmineralized with gold.  
Au grades > 1 gm/tonne
- 1** Mineralized, altered host rock ± Barite  
Au grades > 1 gm/tonne
- Drill hole
- Au Assay
- ~ Fault

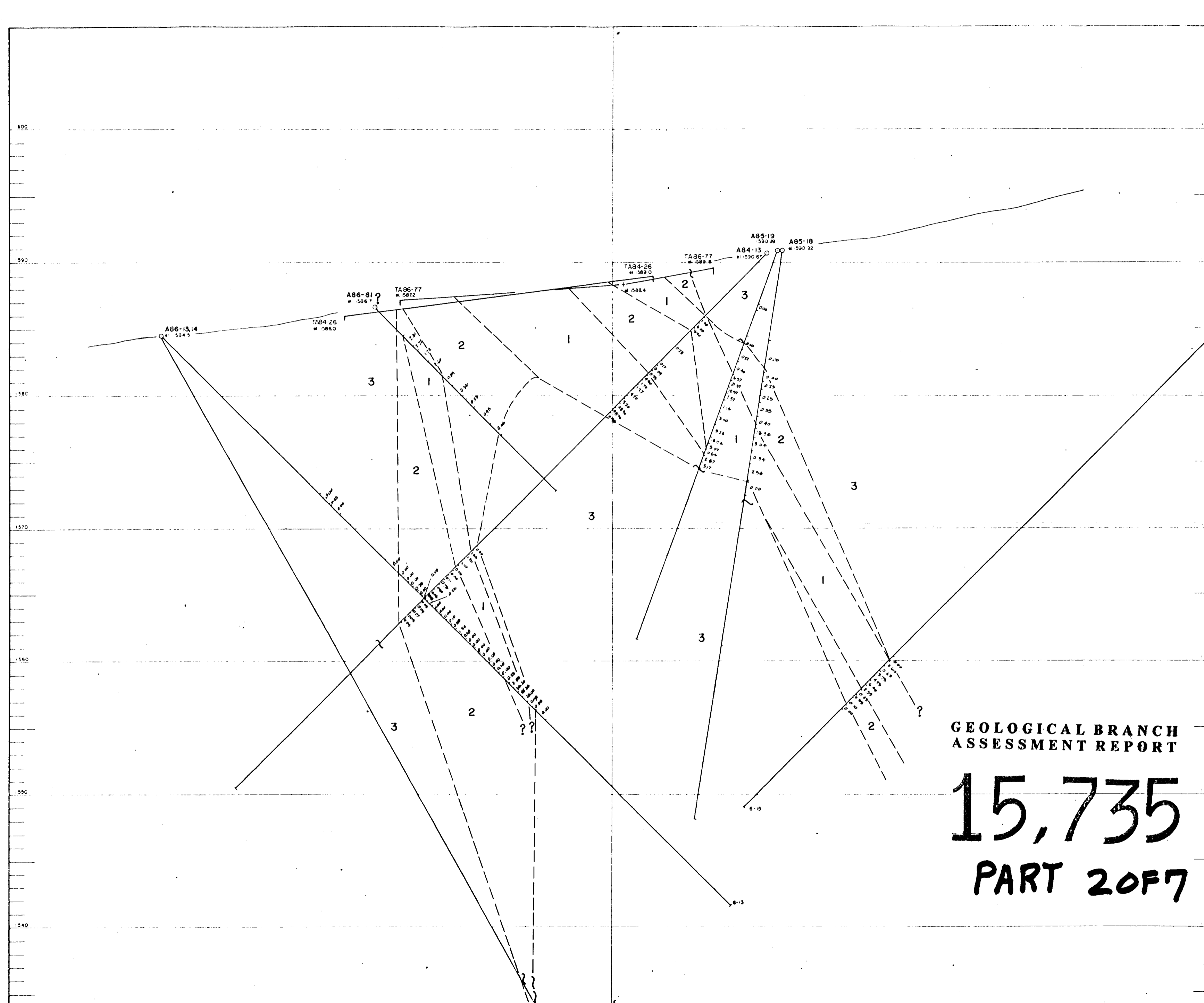
REV	DATE	DESCRIPTION	BY

**energex**  
MINERALS LTD

AL PROPERTY  
BV ZONE  
**CROSS SECTION 6**  
GEOLOGY  
LOOKING 290° NORTHWEST



DATE NOV 86  
BY LKE  
FIGURE NO 29C



LEGEND

- 3** Unaltered hoste rock - purple porphyritic volcanics.
- 2** Silicified + clayed hoste rock - unmineralized with gold.  
Au grades < 1gm / tonne
- 1** Mineralized, altered hoste rock ± Barite  
Au grades > 1gm / tonne
- Drill hole
- Au Assay
- Fault

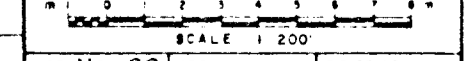
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

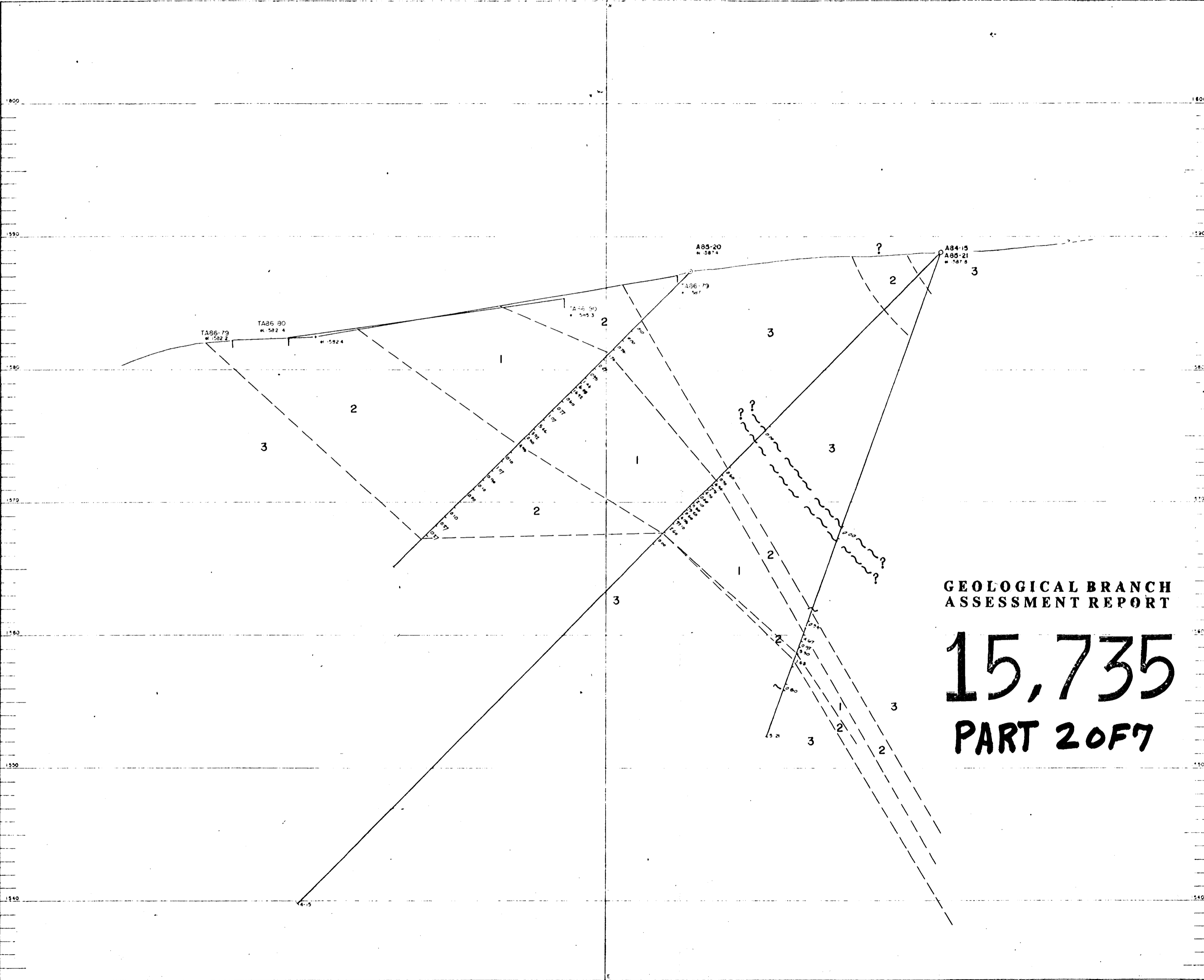
REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** 103 850 W. Highway 16  
VANCOUVER, B.C.  
V6C 1E1  
Telephone 604-684-250  
**MINERALS LTD.**

ALL PROPERTY  
BV ZONE  
**CROSS SECTION 4**  
GEOLOGY  
LOOKING 290° NORTHWEST



DATE Nov. 86 BY LKE  
PLP NO. 29B



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

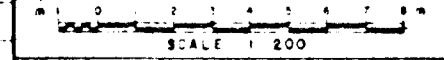
**LEGEND**

- 3** Unaltered hoste rock - purple porphyritic volcanics
- 2** Silicified + clayed hoste rock - unmineralized with gold.
- 1** Au grades < 1gm/tonne Mineralized, altered hoste rock ± Barite  
Au grades > 1gm/tonne
- ~ Fault
- Drill hole
- Au Assay

REV.	DATE	DESCRIPTION	BY	CHKD.

**energex**  
MINERALS LTD.  
103 852 Street 16  
Saskatoon, S. S. S7N 0E7  
Telephone: 924-884 ext. 258

AL PROPERTY  
BV ZONE  
**CROSS SECTION 2**  
LOCKING 200 NORTHWEST  
GEOLOGY



DATE NOV. 1966  
BY LKE  
SHEET NO. 29A

ELEVATIONS IN METRES

ELEVATIONS IN METRES

LEGEND

1700

1700

1690

1690

1680

1680

1670

1670

1660

1660

1650

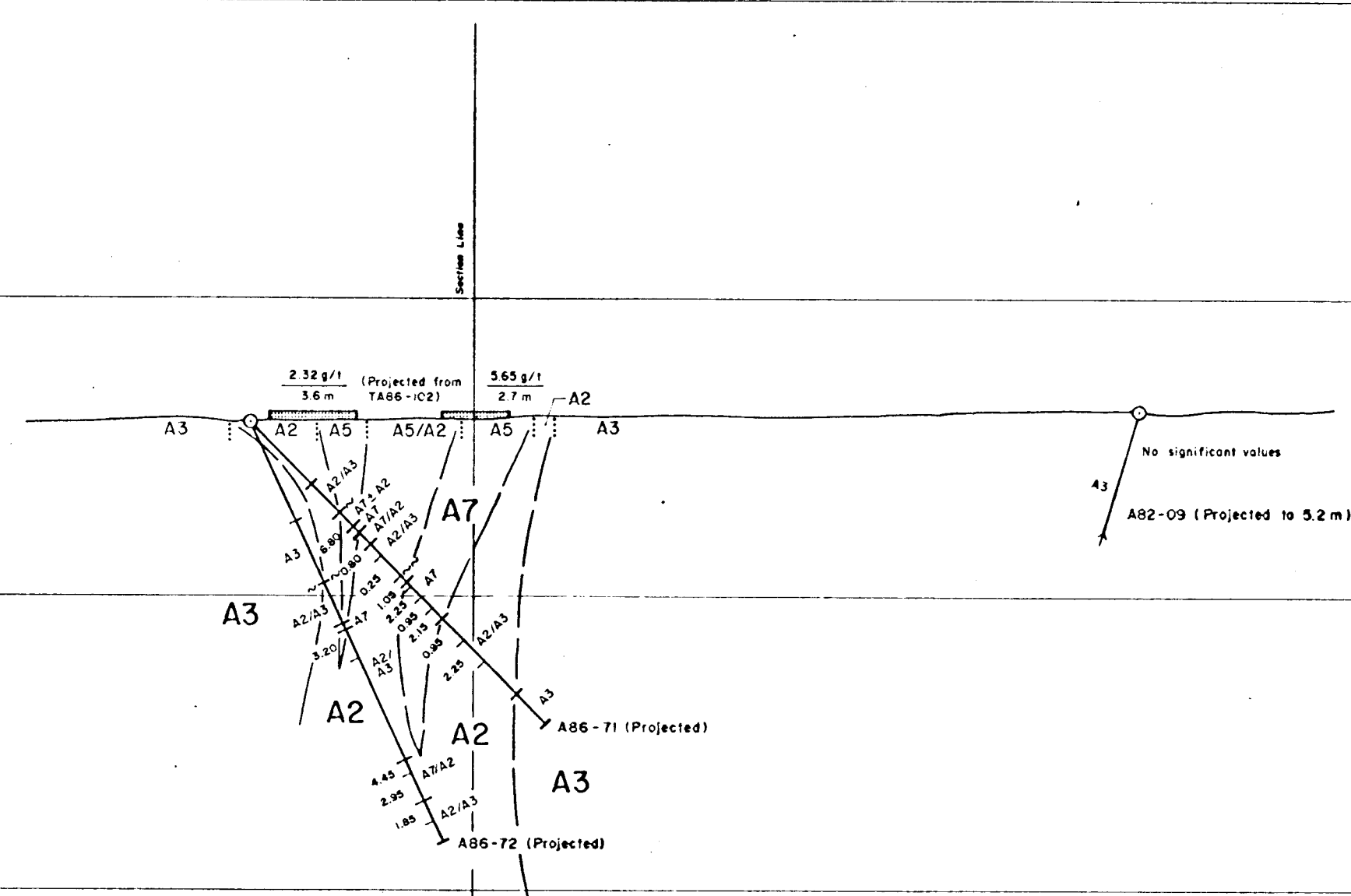
1650

1640

1640

- A2** Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay/sericite, matrix obscured or clay-dotted, groundmass argillized & sericitized & slightly limonized & hematized.
- A2/A3** Weak pervasive argillization with hematite flooding in matrix.
- A3/A2** Weak argillic, sericitic and/or propylitic alteration; partial replacement by variable clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A3** Weak argillic, sericitic and/or propylitic alteration; partial replacement by variable clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5** Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as long as possible. Groundmass silicified usually with weak hematization. Vugs, trace to 15%, variable quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5** Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary features usually obscured.
- A5/A2** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays, may be leached.
- A7** Silicification with pyrite. Minor clay remnants.
- A7/A2** Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8** "Pre-hyphalitic" alteration, weak to strong replacement. Original textures variably preserved. Feldspars are argillized, mafic minerals are pyritized, pyrite is commonly limonized. Moderate silica flooding throughout groundmass. Generally unconsolidated.

- Diamond Drill Hole
- Au Assay Interval (g/t)
- Longitudinal Section Line
- Geologic Contact
- Surficial Geologic Contact
- Fault



GEOLOGICAL BRANCH ASSESSMENT REPORT

15,735

PART 2 OF 7

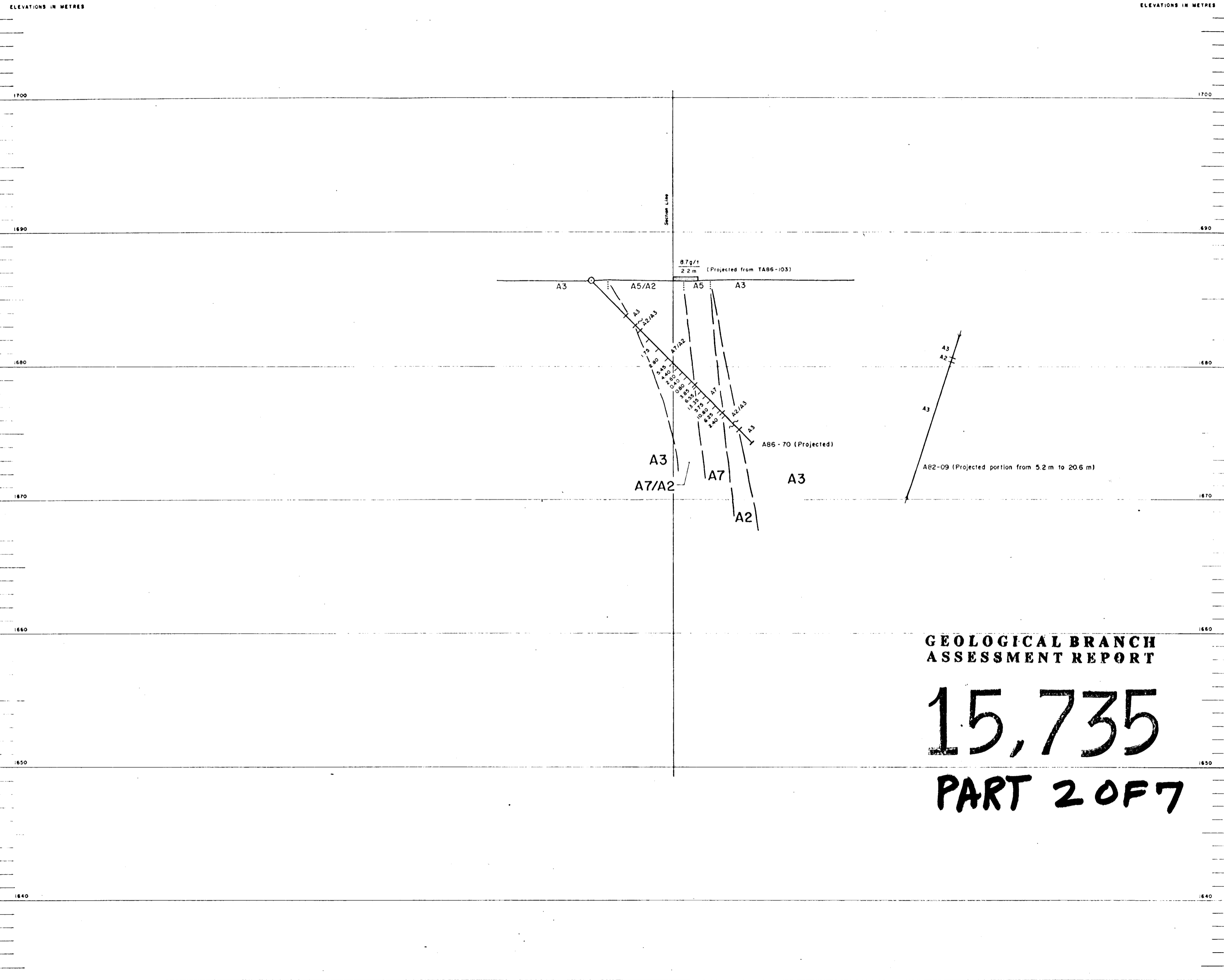
REVISION	DATE	DESCRIPTION	BY	CHKD

**energex**  
MINERALS LTD  
703 850 W. Hastings St.  
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V6C 1E1  
Telephone (604) 684-1258

AL PROPERTY  
**BONANZA SOUTH EXTENSION**  
**GEOLOGY**  
CROSS SECTION 19  
LOOKING 352°

SCALE 1:200

DATE NOV 88 BY H.A. CHKD



**LEGEND**

- A2** Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay-sericite, mafics obscured or clay-altered, groundmass argillized & sericitized & slightly silicified & hematized.
- A2/A3** Weak pervasive argillization with hematite flooding in matrix.
- A3** Weak argillic, sericitic and/or propylitic alteration, partial replacement by variable clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5** Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as tan grains. Groundmass silicified usually with weak hematization. Vugs, holes & cavities, variable quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5** Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays, may be leached.
- A7** Silicification with pyrite. Minor clay remnants.
- A7/A2** Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8** "Pre-phylic" alteration, weak to strong replacement. Original textures variably preserved. Feldspars are argillized, mafic minerals are pyritized, pyrite is commonly limonitized. Moderate silica flooding throughout groundmass. Generally unconsolidated.

- Diamond Drill Hole
- Au Assay Interval (g/t)
- Longitudinal Section Line
- Geologic Contact
- Surficial Geologic Contact
- Fault

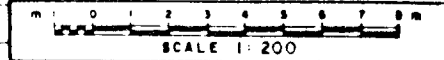
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** 703 800 W Hastings St  
MINERALS LTD Vancouver, B.C.  
V6C 1E1  
Telephone (604) 684-1238

AL PROPERTY  
**BONANZA SOUTH EXTENSION  
GEOLOGY  
CROSS SECTION 18  
LOOKING 352°**



DATE NOV. 86 BY H.A. CHKD CMB FIGURE NO. 33 R

ELEVATIONS IN METRES

ELEVATIONS IN METRES

LEGEND

1700

1700

1690

1690

1680

1680

1670

1670

1660

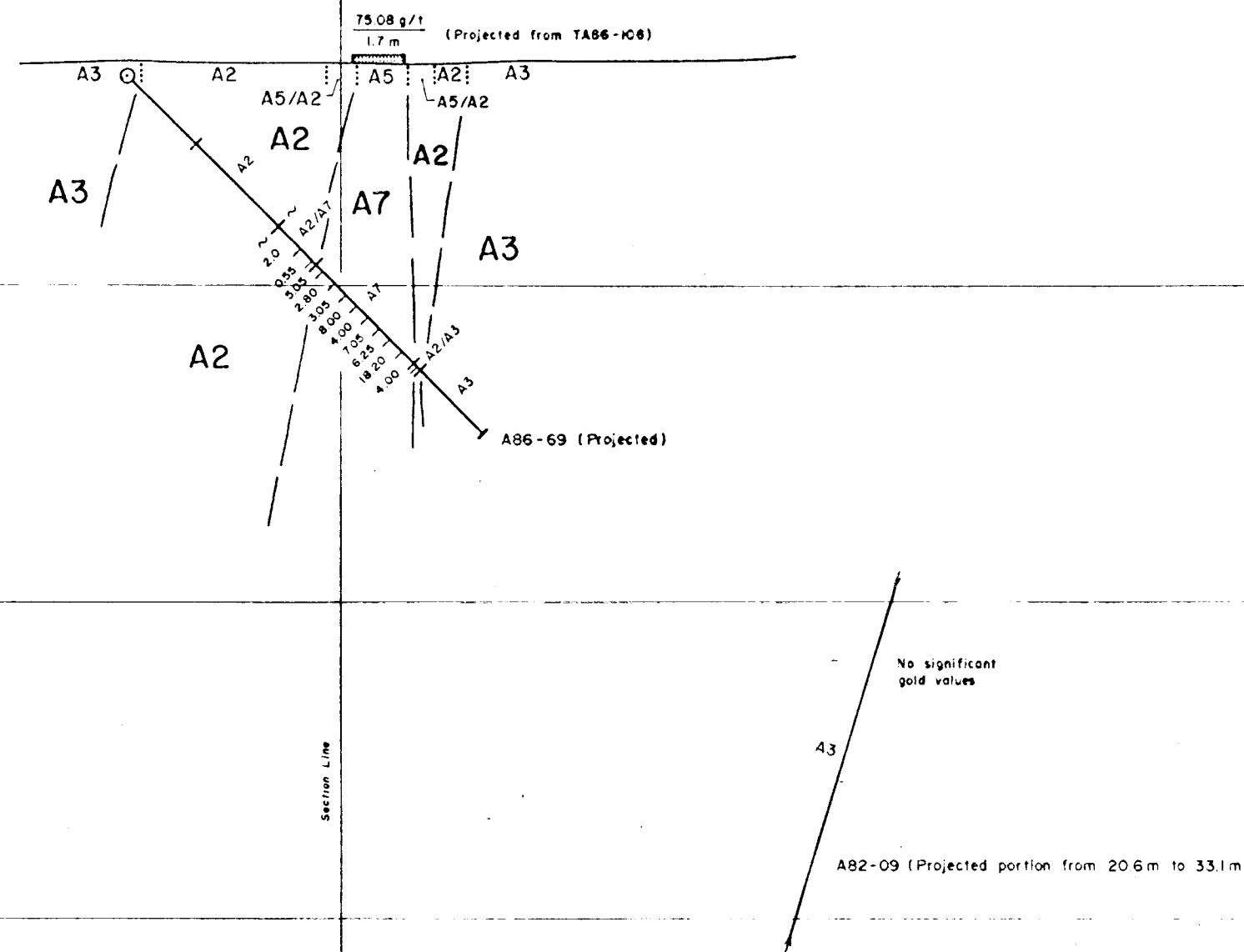
1660

1650

1650

1640

1640



GEOLOGICAL BRANCH ASSESSMENT REPORT

15,735 PART 2 OF 7

REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** MINERALS LTD  
 708 896 E. Hastings St.  
 Vancouver, B.C.  
 V6C 1E1  
 Telephone: 604-684-8258

ALL PROPERTY  
**BONANZA SOUTH EXTENSION**  
**GEOLOGY**  
**CROSS SECTION 17**  
 LOCKING 352°

SCALE 1:200

DATE NOV. 88 H.T.S. 94E/GW FIGURE NO.  
 BY H.A. CHB: 33 Q

ELEVATIONS IN METRES

ELEVATIONS IN METRES

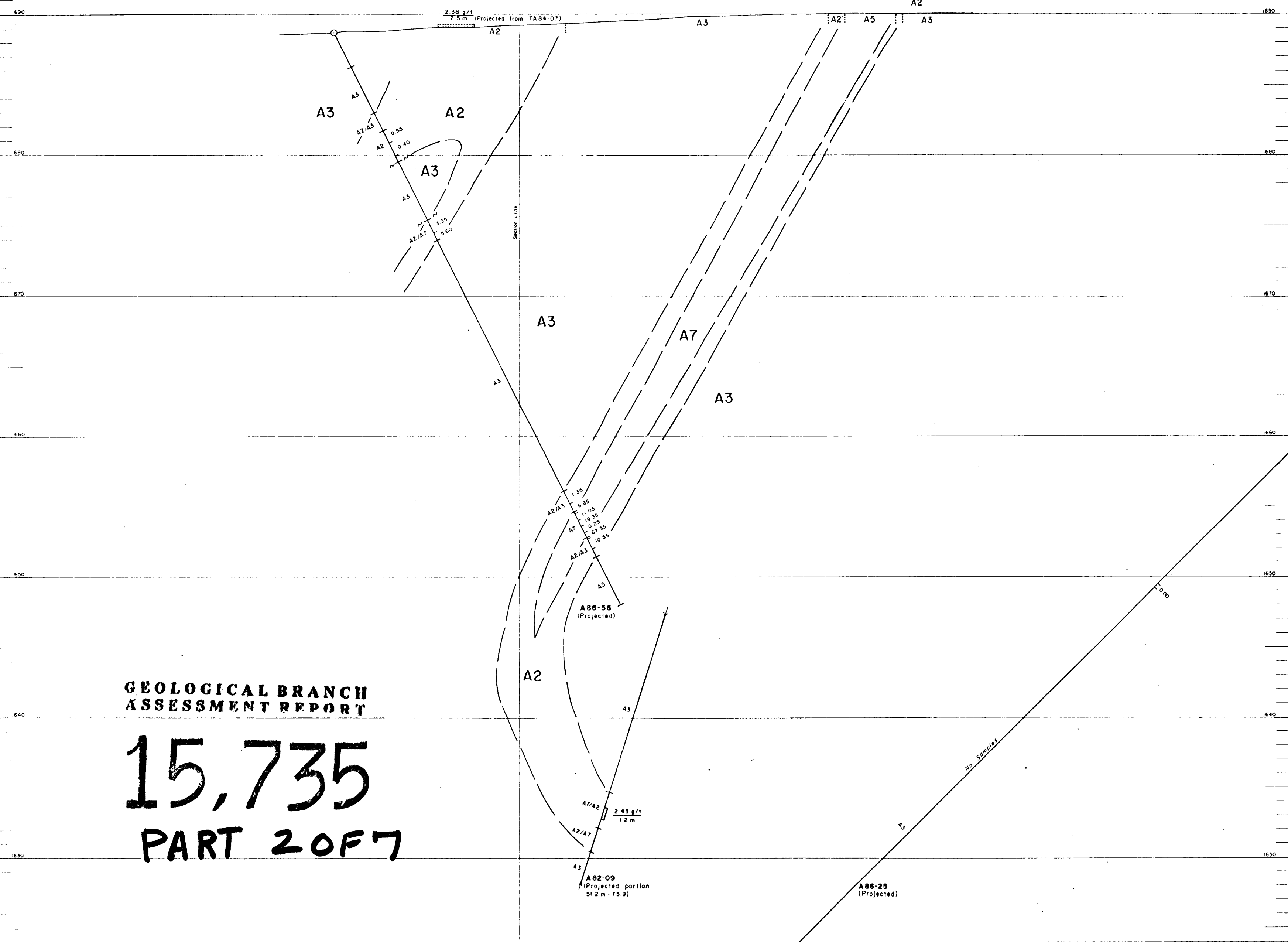
LEGEND

- A2** Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay/sericite, mafics obscured or clay-altered, groundmass argillized & sericitized & slightly silicified & hematized.
- A2/A3** Weak pervasive argillization with hematite flooding in matrix.
- A3/A2**
- A3** Weak argillite, sericitic and/or propylitic alteration; partial replacement by variable clay-sericite-chlorite assemblages. Generally dark to the matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5** Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as tonalitic. Groundmass silicified usually with weak hematization. Vugs, trace to 15%, variable quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and tetrahedral breccia fragments.
- A2/A5** Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays, may be leached.
- A7** Silicification with pyrite. Minor clay remnants.
- A7/A2** Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8** "Pre-phyllitic" alteration; weak to strong replacement. Original textures variably preserved. Feldspars are argillized, mafic minerals are pyritized, pyrite is commonly hematized. Moderate silica flooding throughout groundmass. Generally unconsolidated.

- Diamond Drill Hole
- Au Assay Interval (g/t)
- Longitudinal Section Line
- Geologic Contact
- Surficial Geologic Contact
- Fault

GEOLOGICAL BRANCH ASSESSMENT REPORT

15,735 PART 2 OF 7



REV	NO	DATE	DESCRIPTION	BY	CHKD

**energex** 763 800 W Hastings St  
 MINERALS LTD Vancouver, B.C.  
 V6C 1E1 Telephone (604) 684-2258

AL PROPERTY  
 BONANZA SOUTH EXTENSION  
 GEOLOGY  
 CROSS SECTION 15  
 LOOKING 352°








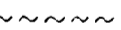
DATE	NOV 86	HTS 94E/SW	FIGURE NO
BY			33

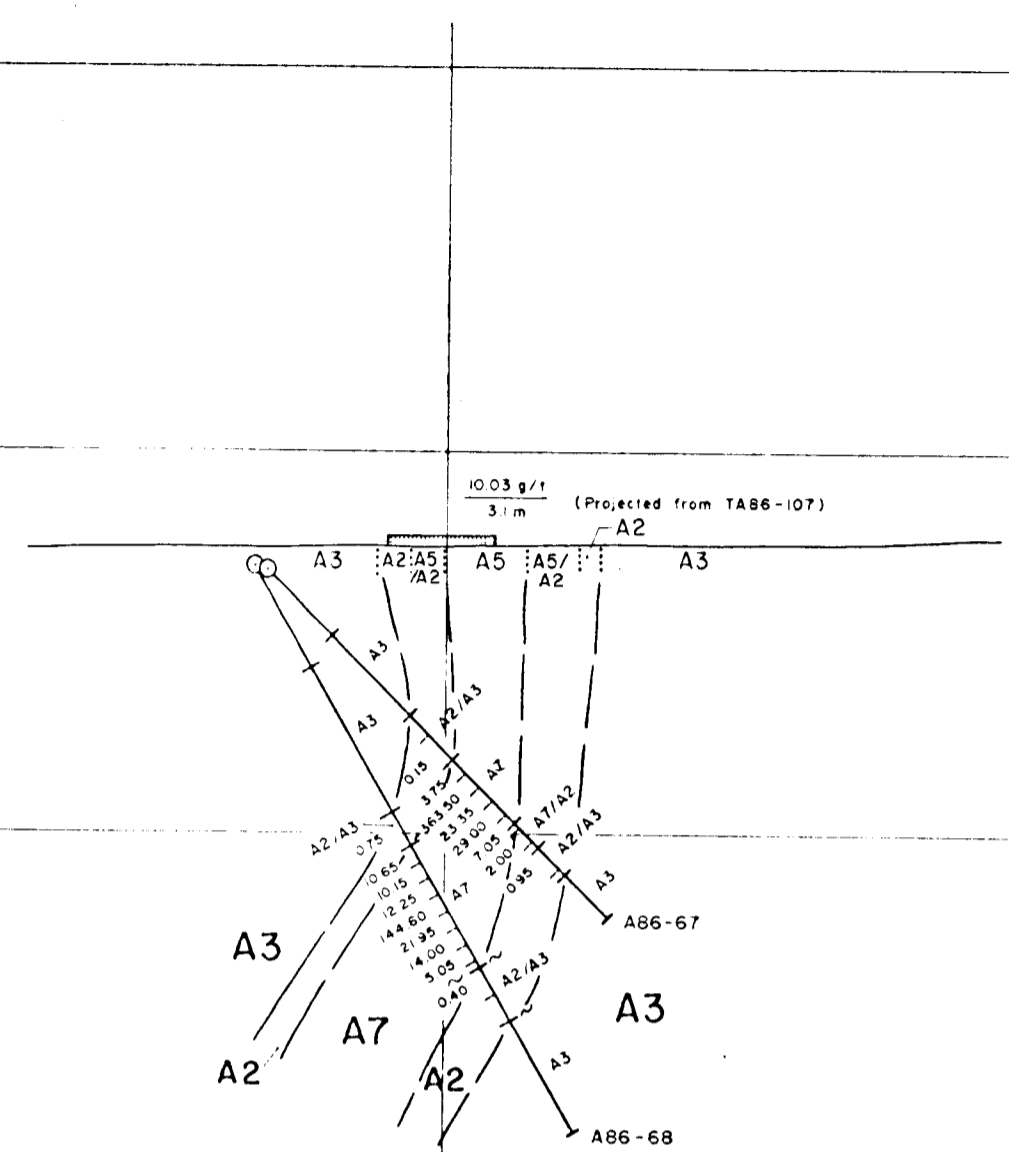
ELEVATIONS IN METRES

ELEVATIONS IN METRES

LEGEND

- A2** Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay-sericite; undmass argillized & sericitized. Slightly silicified & hematized.
- A2/A3** Weak pervasive argillization with hematite flooding in matrix.
- A3** Weak argillite, sericitic and/or argillitic alteration, partial replacement by variable clay-sericite-chlorite assemblage. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5** Silicification. No pyrite. Original texture preserved locally. Feldspars altered, may be preserved as tonchists. Groundmass silicified usually with weak hematization. Vugs, trace to 15%, variable quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5** Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A7** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays, may be leached.
- A7** Silicification with pyrite. Minor clay remnants.
- A7/A2** Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8** "Hydrothermal" alteration, weak to strong replacement. Original textures variably preserved. Feldspars are argillized, mafic minerals are pyritized, pyrite is commonly limonitized. Moderate silica flooding throughout groundmass. Generally unconsolidated.

-  Diamond Drill Hole
-  Au Assay Interval (g/t)
-  Longitudinal Section Line
-  Geologic Contact
-  Surficial Geologic Contact
-  Fault



A3 No significant gold values

A2/A3

A3 A82-09 (Projected portion from 33.1 - 51.2 m)

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

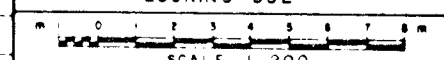
**15,735**

**PART 2 OF 7**

REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** TOB 800 W. Hastings St.  
MINERALS LTD. Vancouver, B.C.  
V6C 1E1 Telephone: 604-686-2258

ALL PROPERTY  
BONANZA SOUTH EXTENSION  
**GEOLOGY**  
CROSS SECTION 16  
LOCKING 352°



DATE NOV 86	NTS 94E/6W	FIGURE NO
BY H.A.	CHKD	33 P

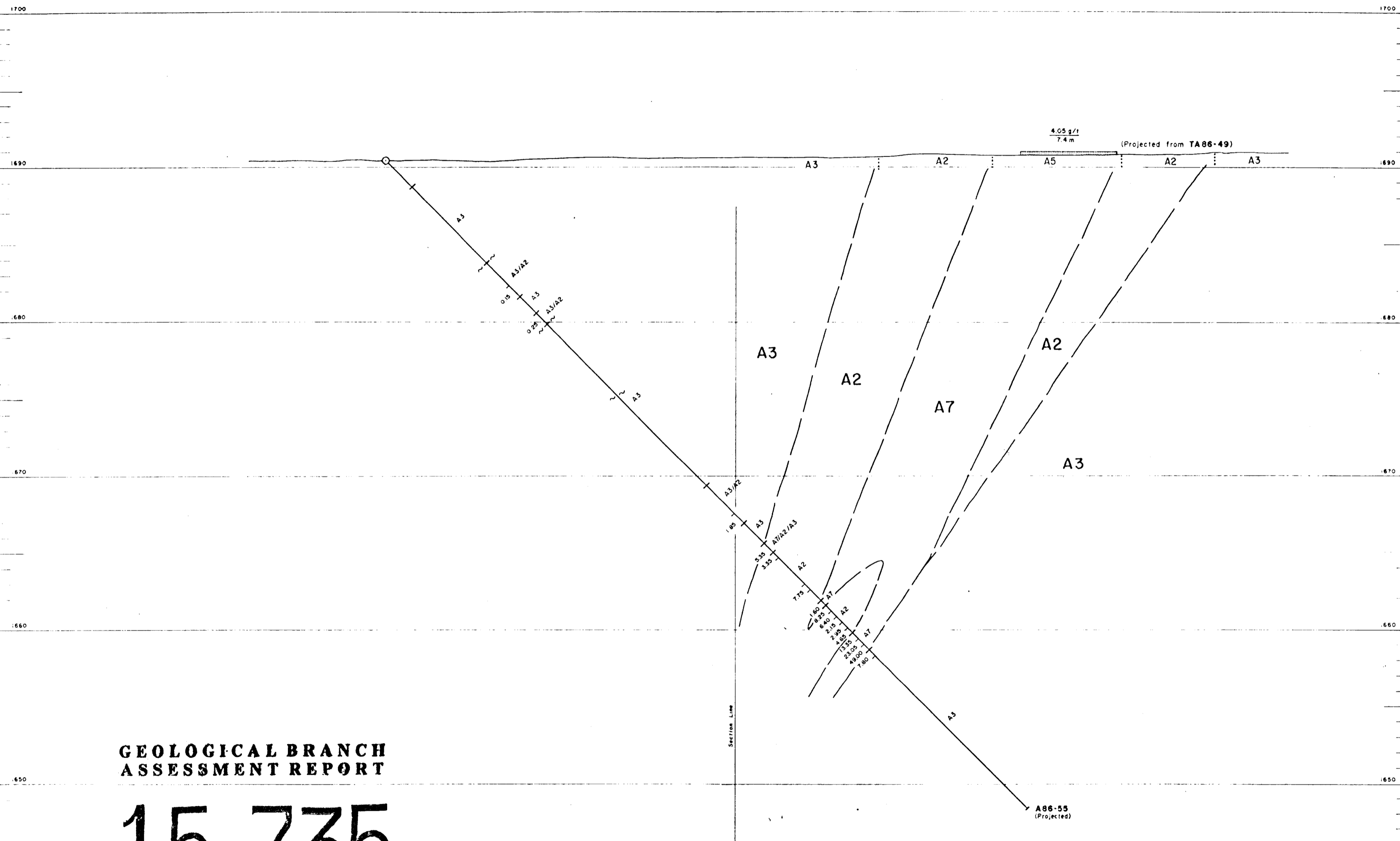
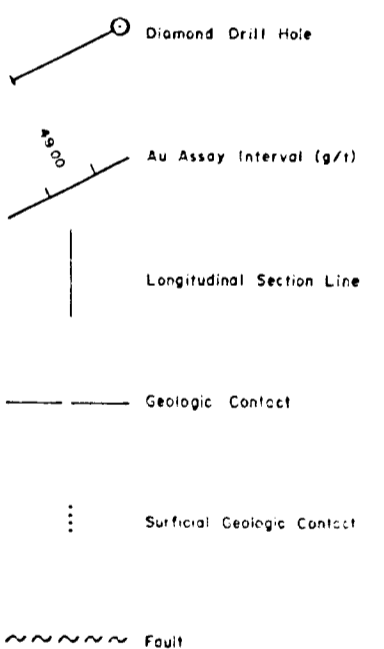


ELEVATIONS IN METRES

ELEVATIONS IN METRES

LEGEND

- A2** Pervasive argillization. Local original texture preserved. Feldspars can partly altered to clay-sericite. Matrix obscured or clay-altered, groundmass silicified & sericitized & slightly silicified & hematized.
- A2/A3** Weak pervasive argillization with hematite flooding in matrix.
- A3** Weak argill. sericitic and/or propylitic alteration, partial replacement by variable clay-sericite (chlorite as embolites). Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5** Silicification, no pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as feldspars. Groundmass silicified usually with weak hematization. Vugs trace to 15%, variable quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5** Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays, may be leached.
- A7** Silicification with pyrite. Minor clay remnants.
- A7/A2** Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8** "Pre-phyllitic" alteration; weak to strong replacement. Original textures variably preserved. Feldspars are argillized, matrix minerals are pyritized, pyrite is commonly limonitized. Moderate silica flooding throughout groundmass. Generally unconsolidated.



GEOLOGICAL BRANCH ASSESSMENT REPORT

15,735 PART 2 OF 7

REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** 703 850 W Hastings St  
MINERALS LTD Vancouver, B.C.  
V6C 1E1 Telephone (604) 684 1258

AL PROPERTY  
**BONANZA SOUTH EXTENSION**  
**GEOLOGY**  
**CROSS SECTION 14**  
LOOKING 352°

SCALE 1:200

DATE NOV. 86 BY WTS 34E/BW FIGURE NO 33N

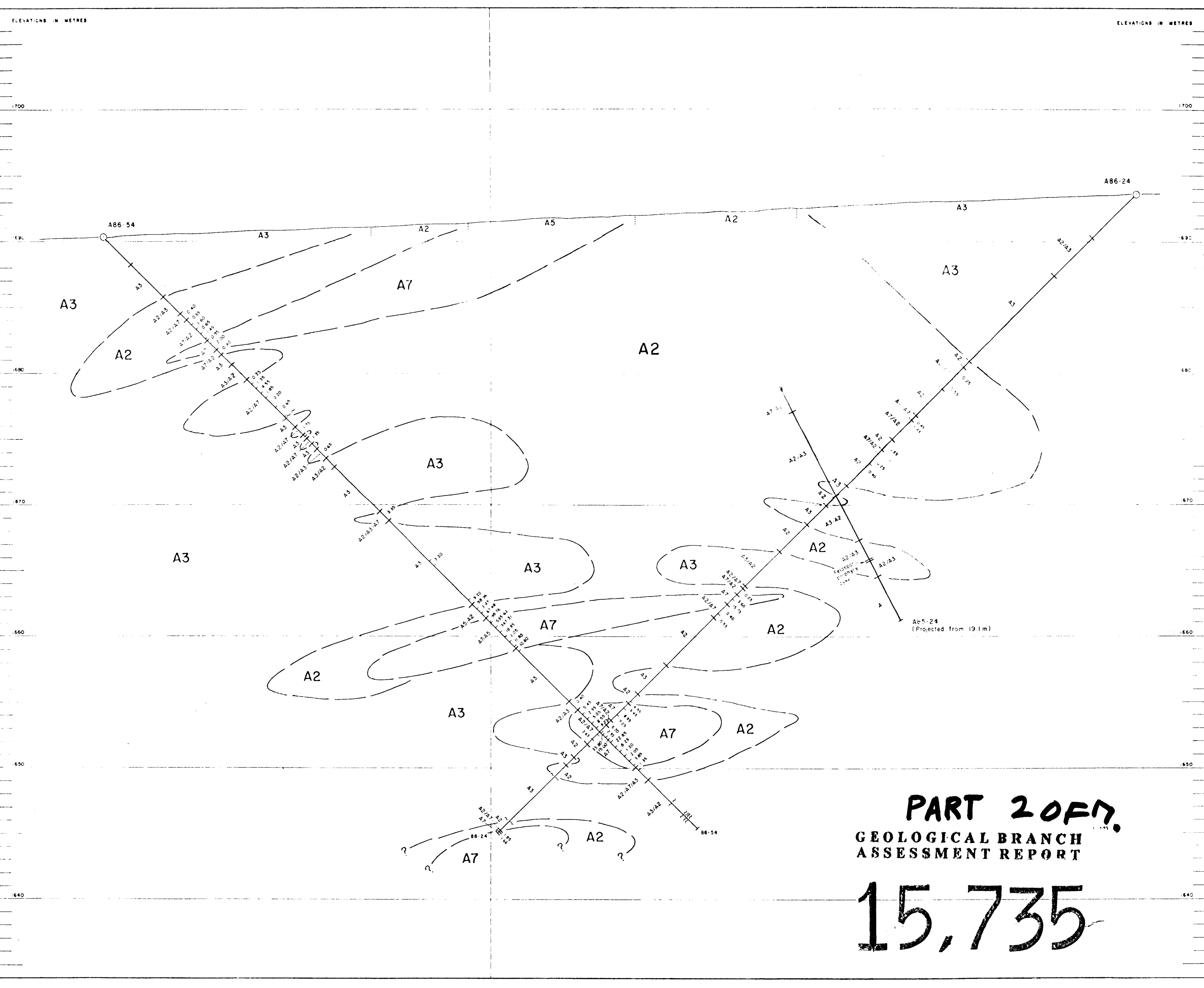
ELEVATIONS IN METRES

ELEVATIONS IN METRES

LEGEND

- A2 Pyrite crystallization. Lined and/or matrix preserved. Feldspars commonly altered to clay minerals. Quartz preserved and is unaltered. A highly fractured and brecciated matrix.
- A2/A3 Weak pyrite crystallization with matrix. Feldspars in matrix.
- A3 Weak pyrite crystallization. Feldspars commonly altered to clay minerals. Quartz preserved and is unaltered. A highly fractured and brecciated matrix.
- A5 Silicification. No pyrite. Original texture preserved locally. Feldspars commonly altered to clay minerals. Quartz preserved and is unaltered. A highly fractured and brecciated matrix.
- A2/A5 Argillization with silicification. Matrix has weak silicification and minor pyrite crystallization. Primary textures usually obscured.
- A5/A2 Silicification with argillization. Matrix altered with minor pyrite crystallization. Feldspars altered to clays, may be leached.
- A7 Silicification with pyrite. Minor clay remnants.
- A7/A2 Silicification and argillization with pyrite. Matrix is altered. Feldspars altered to clays.
- A8 Fine pyrite crystallization, weak silicification. Feldspars commonly altered to clay minerals. Quartz preserved and is unaltered. A highly fractured and brecciated matrix. Moderate to coarse grained. General unconsolidated.

- Diamond Drill Hole
- Au Assay Interval (g/t)
- Fault
- Longitudinal Section Line
- Geologic Contact
- Surficial Geologic Contact



**PART 2 OF 7.**  
**GEOLOGICAL BRANCH**  
**ASSESSMENT REPORT**

**15,735**

REV.	DATE	DESCRIPTION	BY	CHKD

**energex** MINERALS LTD. 103 850 W. HASTINGS ST. VANCOUVER, B.C. V6C 1E1. Telephone: (604) 684-2588

AL PROPERTY  
 BONANZA ZONE  
 GEOLOGY  
 CROSS SECTION 13  
 LOOKING 318°

SCALE 1:200

DATE Nov. 1986 BY HJA/VJD CHKD [ ] FIGURE NO. 33 M

1700

1700

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1670

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1660

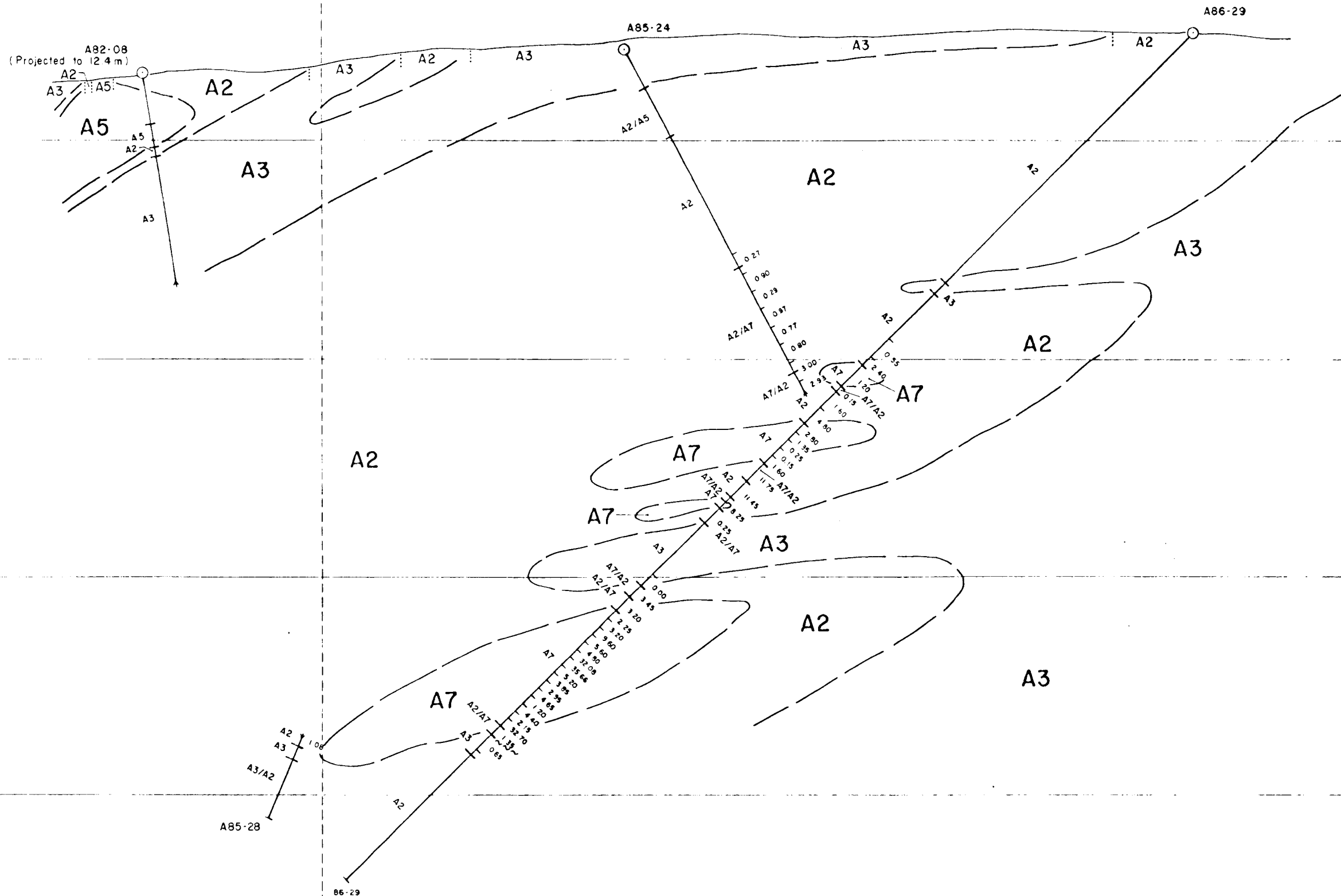
1660

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- A2** Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay/sericite matrix. Obscured or clay-altered, groundmass argillized & sericized & slightly silicified & hematized.
- A2/A3  
A3/A2** Weak pervasive argillization with hematite flooding in matrix.
- A3** Weak argillitic, sericitic and/or propylitic alteration, partial replacement by variable clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5** Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as tan ghosts. Groundmass silicified usually with weak hematization. Vugs, trace to 15%, variable quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5** Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays, may be leached.
- A7** Silicification with pyrite. Minor clay remnants.
- A7/A2** Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8** "Pre-phyllitic" alteration, weak to strong replacement. Original textures variably preserved. Feldspars are argillized, mafic minerals are pyritized, pyrite is commonly limonitized. Moderate silica flooding throughout groundmass. Generally unconsolidated.

- Diamond Drill Hole
- Au Assay Interval (g/t)
- Fault
- Longitudinal Section Line
- Geologic Contact
- Surficial Geologic Contact

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**

**PART 2 OF 7**

REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** MINERALS LTD  
 705-680 W. Hastings St.  
 Vancouver, B.C.  
 V6C 1E1  
 Telephone (604) 686-1200

AL PROPERTY  
**BONANZA ZONE  
 GEOLOGY**  
**CROSS SECTION I2**  
 LOCKING 318°



DATE Nov 1986	BY LFE/VJB	CHKD	FIGURE NO. 33L
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ELEVATIONS IN METRES

ELEVATIONS IN METRES

LEGEND

1700

1700

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1670

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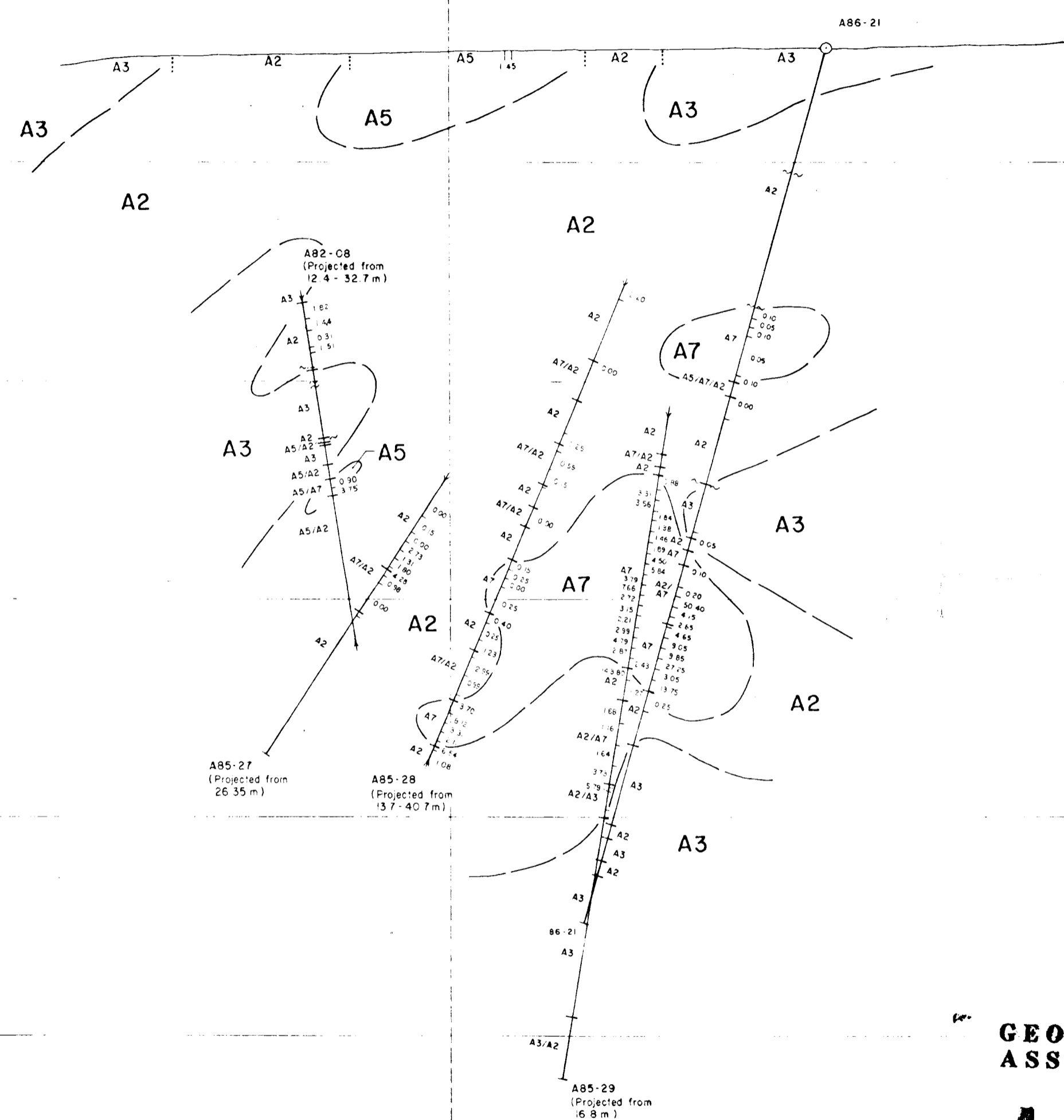
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- A2 Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay/sericite. Matrix altered to clay-altered, groundmass limonitized & sericitized. Silica, pyrite & hematized.
- A2/A3 A3/A2 Weak pervasive argillization with hematite flooding in matrix.
- A3 Weak argillite, sericite and/or propylitic alteration, partial replacement by variable clay-sericite schistose assemblages. Generally dark purple matrix with diffuse hematite, feldspar and feldspars altered to clay & sericite.
- A5 Silicification, No. Pyrite. Original texture preserved. Locally Feldspars silicified, may be preserved as fan ghosts. Groundmass silicified usually with weak hematization. Vugs, trace to 10% of matrix quartz, may be lined with Fe-oxide. Vugs from leached feldspar and between breccia fragments.
- A2/A5 Argillization with silicification. Matrix fine, with silicification and minor hematite, feldspar. Primary textures usually obscured.
- A5/A2 Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clay, may be leached.
- A7 Silicification with pyrite. Minor pyrite remnants.
- A7/A2 Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clay.
- A8 "Propylitic" alteration, weak to strong replacement. Original texture variably preserved. Feldspars are argillized, mafic minerals are pyritized, pyrite is commonly limonitized. Moderate silicification throughout groundmass. Generally unconsolidated.

- Diamond Drill Hole
- Au Assay interval (g/t)
- Fault
- Longitudinal Section Line
- Geologic Contact
- Surficial Geologic Contact

GEOLOGICAL BRANCH ASSESSMENT REPORT

15,735

PART 2 OF 7

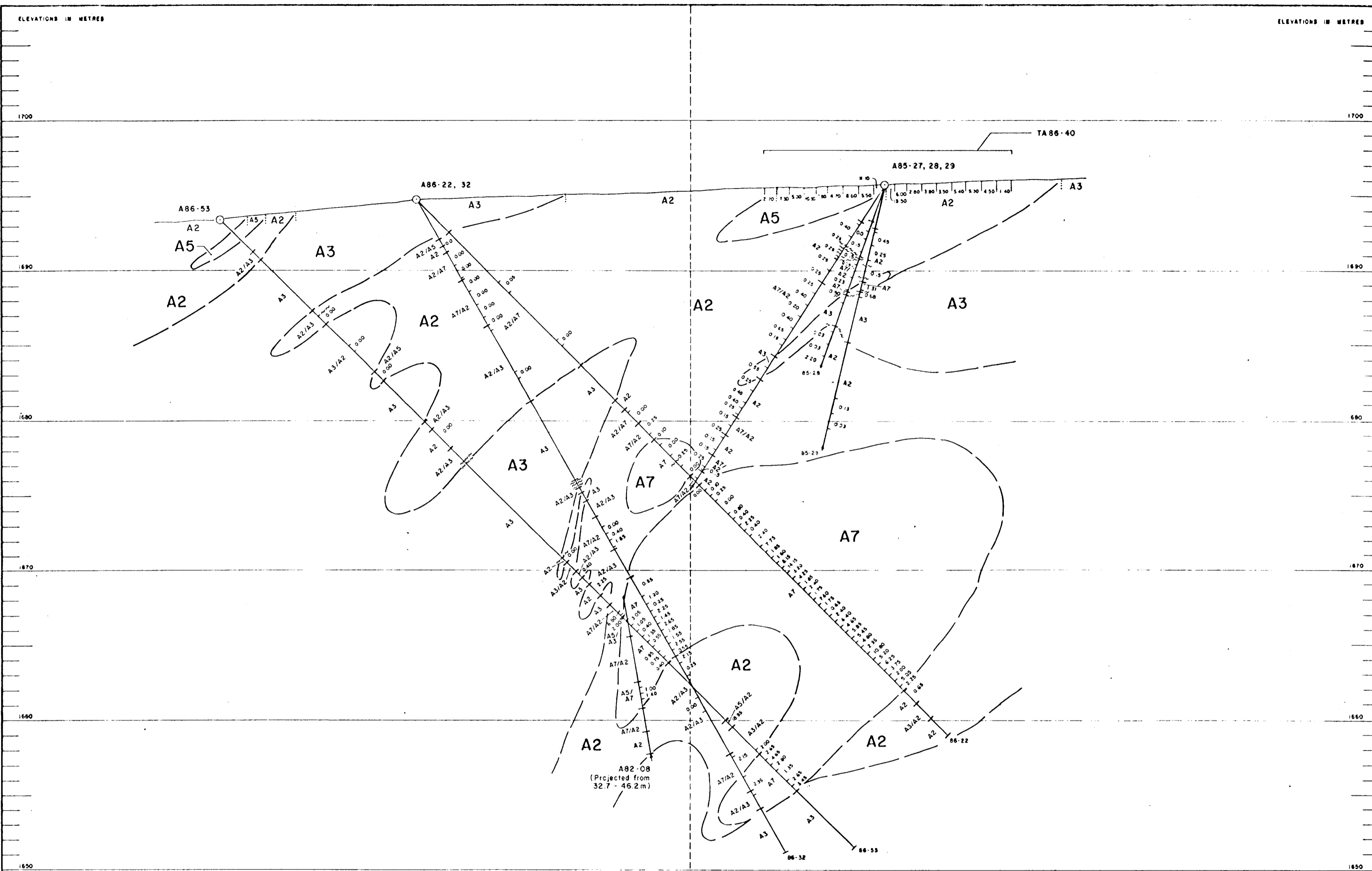
REV/SUM	DATE	DESCRIPTION	BY	CHKD

**energex** 703 800 W Hastings St  
MINERALS LTD Vancouver, B.C.  
V6C 4E1 Telephone 604-686-1258

AL PROPERTY  
BONANZA ZONE  
GEOLOGY  
CROSS SECTION 11  
LOOKING 318°

SCALE 1:200

DATE Nov 1986 NTS 94E/GW FIGURE NO  
BY LKE/VJG CHNB 33K



**ELEVATIONS IN METRES**

**LEGEND**

- A2** Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay/sericite. Matrix obscured or clay-altered. Groundmass argillized & sericitized & slightly silicified & hematitized.
- A2/A3** Weak pervasive argillization with hematite flooding in matrix.
- A3** Weak argillic, sericitic and/or propylitic alteration; partial replacement by variable clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5** Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as tonchests. Groundmass silicified usually with weak hematization. Vugs, trace to 15%, variably quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5** Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays; may be leached.
- A7** Silicification with pyrite. Minor clay remnants.
- A7/A2** Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8** "Propylitic" alteration; weak to strong replacement. Original textures variably preserved. Feldspars are argillized; mafic minerals are pyritized; pyrite is commonly limonitized. Moderate silica flooding throughout groundmass. Generally unconsolidated.

- Diamond Drill Hole
- Au Assay Interval (g/t)
- Fault
- Longitudinal Section Line
- Geologic Contact
- Surficial Geologic Contact

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

REVISION	DATE	DESCRIPTION	BY	CHKD

**energex**  
MINERALS LTD  
703-888-8111  
Vancouver, B.C.  
V6C 1E1  
Telephone (604) 684-1238

AL PROPERTY  
BONANZA ZONE  
GEOLOGY  
CROSS SECTION 10  
LOOKING 318°

SCALE 1:200

DATE	NOV 1986	BY	LKE/VJB	CHKD	CHNB	FIGURE NO.	33J
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ELEVATIONS IN METRES

ELEVATIONS IN METRES

LEGEND

1700

1700

1690

1690

1680

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1670

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1660

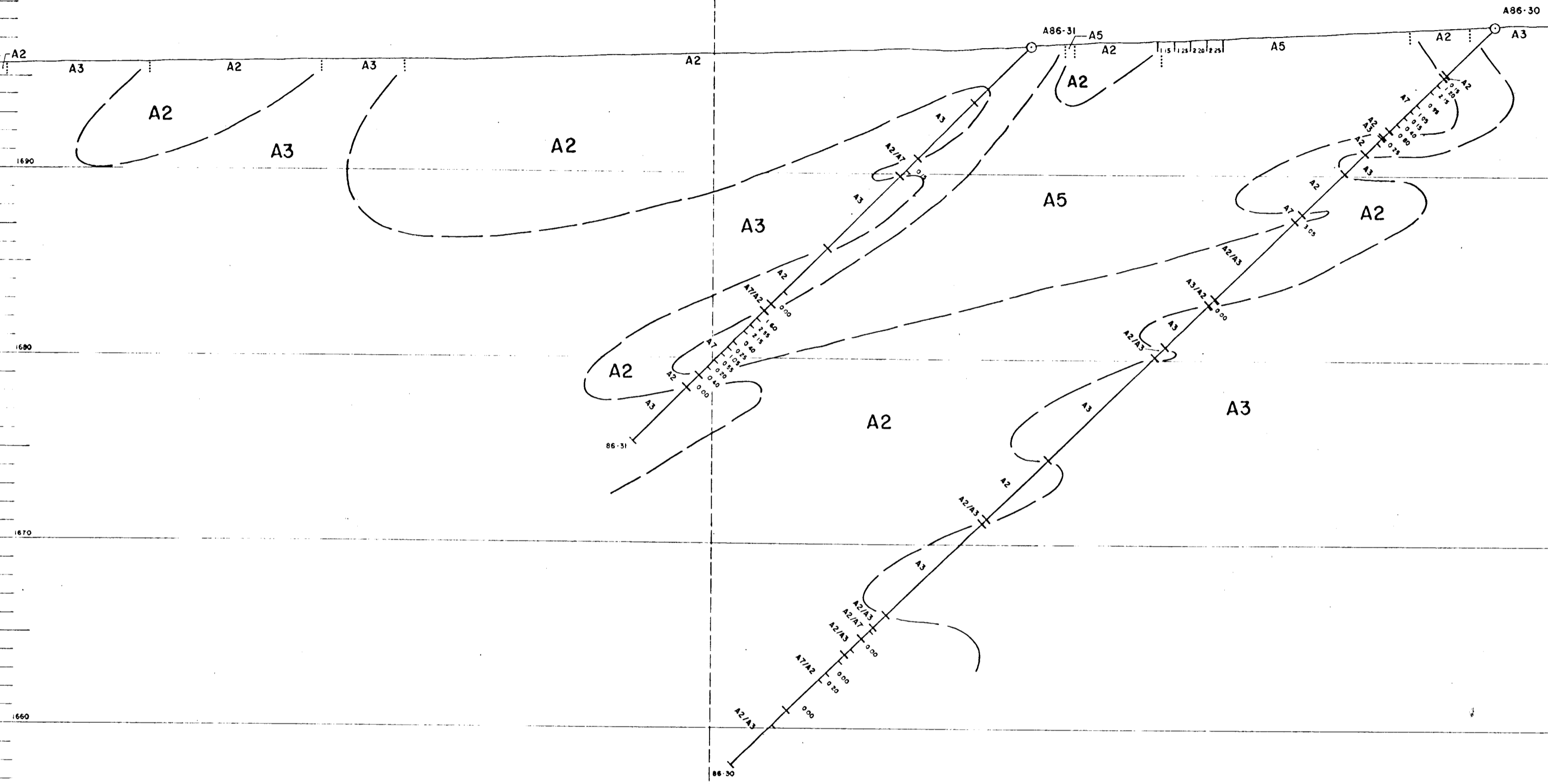
1660

1650

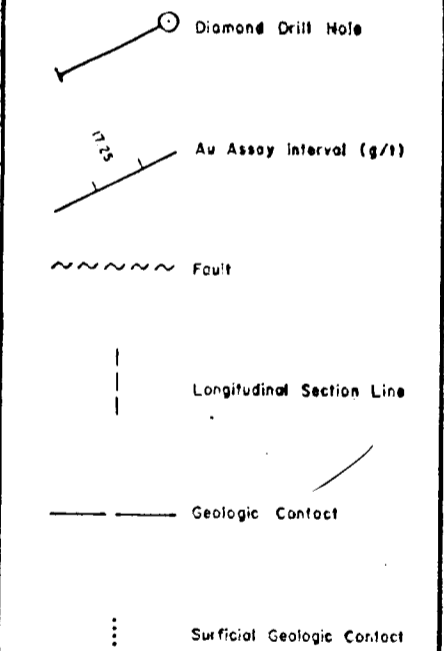
1650

1640

1640



- A2** Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay/sericite; mafics obscured or clay-altered; groundmass argillized & sericitized & slightly silicified & hematized.
- A2/A3** Weak pervasive argillization with hematite flooding in matrix.
- A3** Weak argillic, argillic and/or propylitic. High, partial replacement by argillic clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5** Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as feldspars. Groundmass silicified usually with weak hematization. Vugs, trace to 15%, variable quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5** Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays, may be etched.
- A7** Silicification with pyrite. Minor clay remnants.
- A7/A2** Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8** "Pre-phylic" alteration, weak to strong replacement. Original textures variably preserved. Feldspars are argillized; mafic minerals are pyritized; pyrite is commonly limonitized. Moderate silica flooding throughout groundmass. Generally unconsolidated.



GEOLOGICAL BRANCH ASSESSMENT REPORT

15,735 PART 2 OF 7

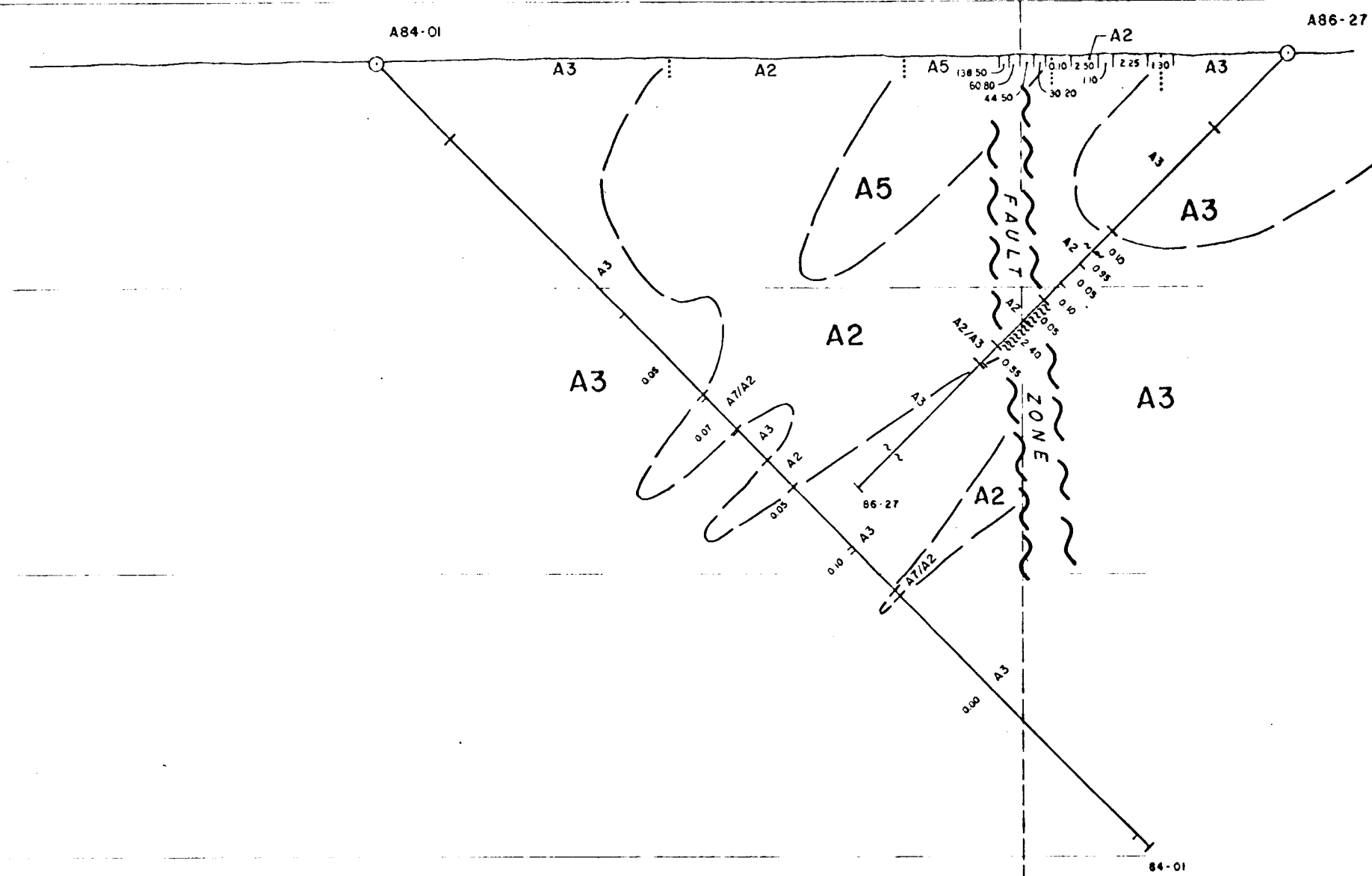
REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** MINERALS LTD.  
 703-880 W. Hastings St.  
 Vancouver, B.C.  
 V6C 1E1  
 Telephone (604) 684-1828

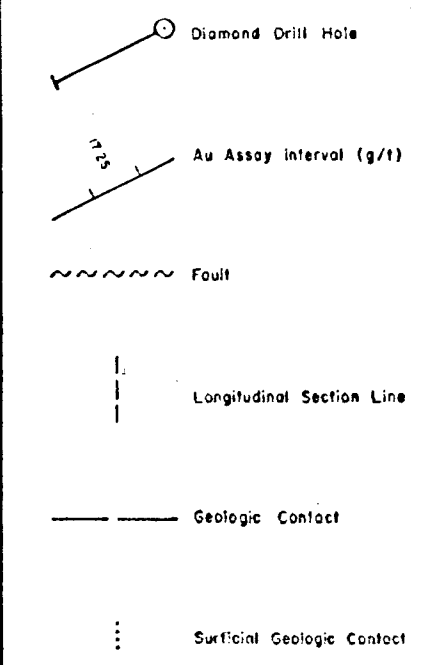
ALL PROPERTY  
**BONANZA ZONE**  
**GEOLOGY**  
**CROSS SECTION 8**  
 LOOKING 318°

SCALE 1:200

DATE: Nov 1986 BY: LKE/VJB  
 FIGURE NO: 33 H



- A2** Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay/sericite; mafics obscured or clay-altered; groundmass argillized & sericitized & slightly silicified & hematized.
- A2/A3** Weak pervasive argillization with hematite flooding in matrix.
- A3** Weak argillic, sericitic and/or propylitic alteration; partial replacement by variable clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5** Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as tonchals. Groundmass silicified usually with weak hematization. Vugs, trace to 15%, variable quartz & jsp, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5** Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays, may be leached.
- A7** Silicification with pyrite. Minor clay remnants.
- A7/A2** Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8** "Pre-phyllitic" alteration; weak to strong replacement. Original textures variably preserved. Feldspars are argillized; mafic minerals are pyritized; pyrite is commonly limonitized. Moderate silica flooding throughout groundmass. Generally unconsolidated.



**GEOLOGICAL BRANCH ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

REV/NO	DATE	DESCRIPTION	BY	CHKD

**energex** 705 850 Main St  
 MINERALS LTD Vancouver, B.C.  
 V6C 1E1  
 Telephone (604) 694-1258

ALL PROPERTY  
 BONANZA ZONE  
 GEOLOGY  
 CROSS SECTION 7  
 LOCKING 318"



ELEVATIONS IN METRES

ELEVATIONS IN METRES

LEGEND

1700

1700

1690

1690

1680

1680

1670

1670

1660

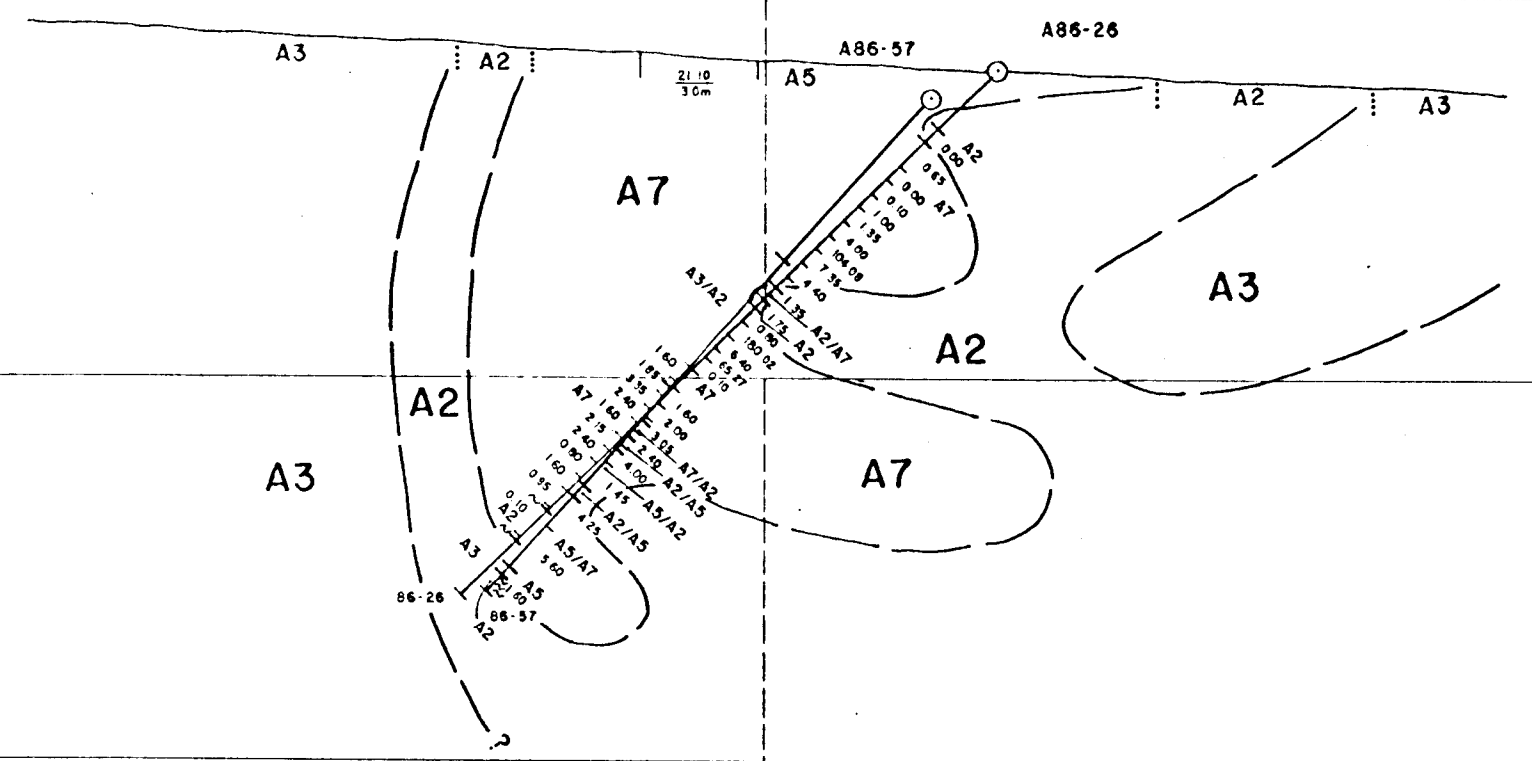
1660

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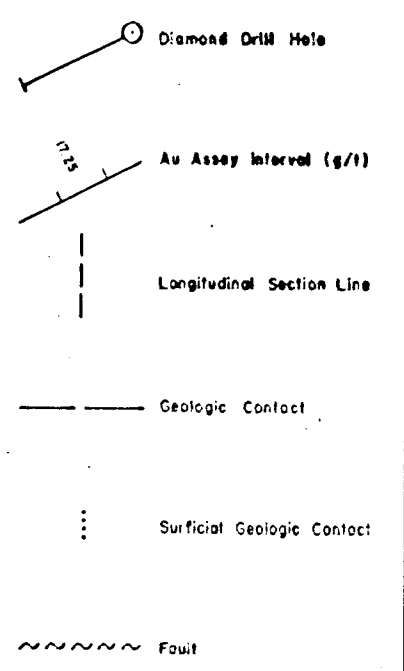
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- A2** Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay-sericite; mafics obscured or clay-altered; groundmass crystallized & sericitized & slightly silicified & hematized.
- A2/A3** Weak pervasive argillization with hematite floccing in matrix.
- A3** Weak argillic, sericitic and/or propylitic alteration; partial replacement by variable clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite floccing and feldspars altered to clay & sericite.
- A5** Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as fan ghosts. Groundmass silicified usually with weak hematization. Vugs, trace to 15%, variable quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5** Argillization with silicification. Matrix has weak silicification and minor hematite floccing. Primary textures usually obscured.
- A5/A2** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays; may be leached.
- A7** Silicification with pyrite. Minor clay remnants.
- A7/A2** Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8** "Frothy" alteration, weak to strong replacement. Original textures variably preserved. Feldspars are crystallized; mafic minerals are pyritized; pyrite is commonly limonitized. Moderate silica flooding throughout groundmass. Generally unconsolidated.



GEOLOGICAL BRANCH ASSESSMENT REPORT

15,735  
PART 2 OF 7

REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** MINERALS LTD.  
 700-800 St. Hamilton St.  
 Vancouver, B.C.  
 V6C 1E1  
 Telephone 604/686-4550

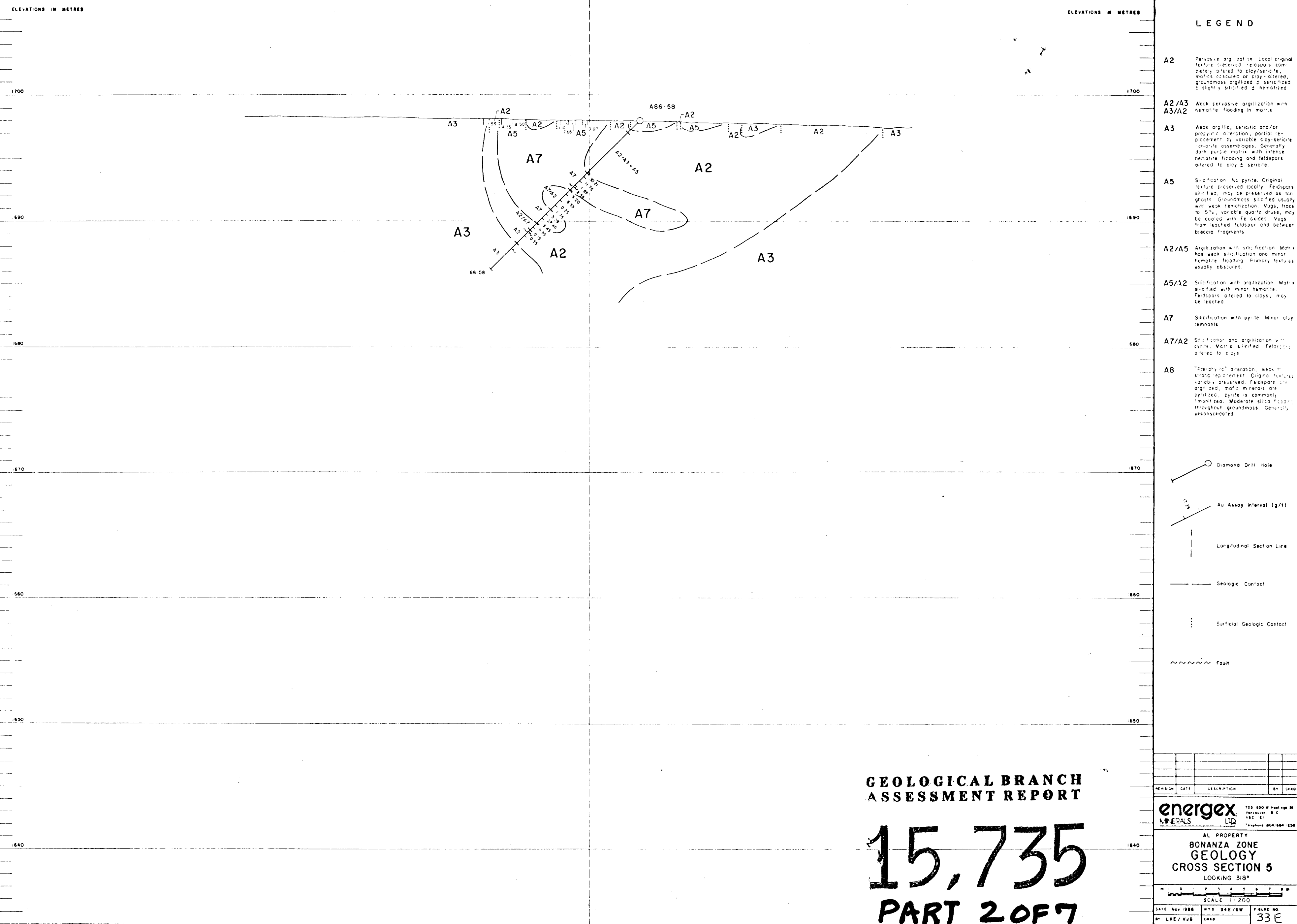
AL PROPERTY  
**BONANZA ZONE**  
**GEOLOGY**  
**CROSS SECTION 6**  
 LOOKING 318°

SCALE 1:200

DATE Nov 1988  
 BY LKE/VJB  
 CHKD:      CMB

FIGURE NO.  
 33 F





**LEGEND**

- A2** Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay/sericite, mafics obscured or clay-altered, groundmass argillized & sericitized & slightly silicified & hematized
- A2/A3** Weak pervasive argillization with hematite flooding in matrix
- A3/A2** Weak pervasive argillization with hematite flooding in matrix
- A3** Weak argillite, sericitic and/or propylitic alteration, partial replacement by variable clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5** Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as ton ghosts. Groundmass silicified usually with weak hematization. Vugs, trace to 5%, variable quartz druses, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5** Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays, may be leached.
- A7** Silicification with pyrite. Minor clay remnants.
- A7/A2** Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8** "Pre-propylitic" alteration, weak to strong replacement. Original textures variable preserved. Feldspars are argillized, mafic minerals are pyritized, pyrite is commonly ironized. Moderate silica flooding throughout groundmass. Generally unconsolidated.

- Diamond Drill Hole
- Au Assay Interval (g/t)
- Longitudinal Section Line
- Geologic Contact
- Surficial Geologic Contact
- Fault

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

15,735

PART 2 OF 7

REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** 703 850 W. Hastings St.  
**MINERALS** LTD. Vancouver, B.C.  
V6C 2E1 Telephone (604) 684-1258

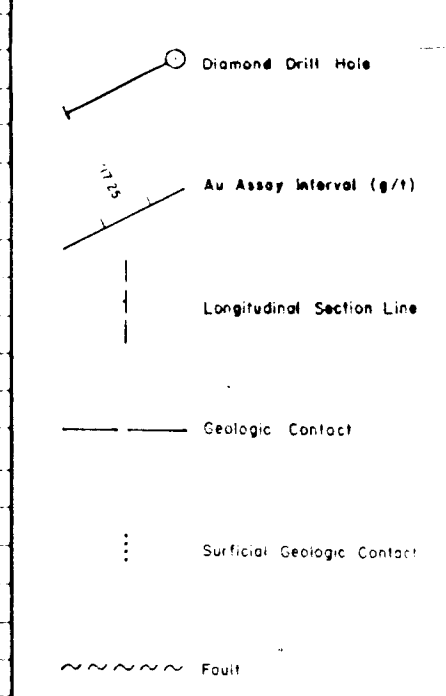
ALL PROPERTY  
 BONANZA ZONE  
 GEOLOGY  
 CROSS SECTION 5  
 LOOKING 318°

SCALE 1:200  
 DATE Nov 1986 HRS 04E/6W FIGURE NO  
 BY LKE/VJB CHKD 33E



**LEGEND**

- A2 Pervasive argillization. Original texture preserved. Feldspars completely altered to clay-sericite. Groundmass argillized & sericitized & slightly silicified & hematized.
- A2/A3 Weak pervasive argillization with hematite flooding in matrix.
- A3 Weak argillite, sericite and/or propylitic alteration, partial replacement by variable clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5 Silicified. No pyrite. Original texture preserved. Feldspars silicified, may be preserved as feldspaths. Groundmass silicified usually with weak hematization. Vugs, trace to 15%, variable quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5 Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2 Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays, may be leached.
- A7 Silicification with pyrite. Minor clay remnants.
- A7/A2 Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8 "Pre-propylitic" alteration, weak to strong replacement. Original texture largely preserved. Feldspars are argillized, mafic minerals are pyritized. Pyrite is commonly limonitized. Moderate silica filling throughout groundmass. Generally unconsolidated.



REV/NO	DATE	DESCRIPTION	BY	CHKD

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

15,735

PART 2 OF 7

**energex** 705 800 St. James St. Vancouver, B.C. V6C 1E1 Telephone (604) 684-1030

AL PROPERTY  
**BONANZA ZONE**  
**GEOLOGY**  
**CROSS SECTION 4**  
LOOKING 3.8°

SCALE 1:200

DATE Nov 1986 BY LKE/VJB CHND

FIGURE NO. 33D

LEGEND

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1700

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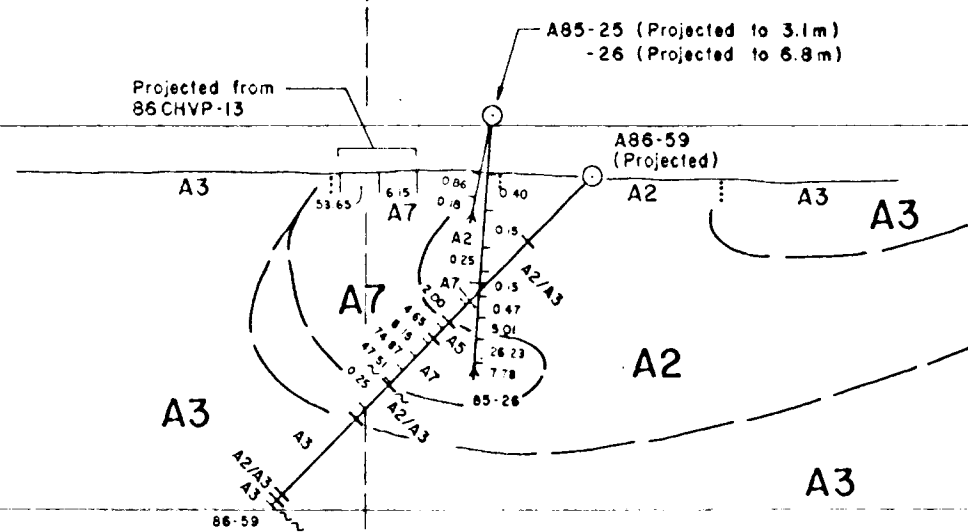
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- A2 Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay/sericite, micas obscured or clay-sericite, groundmass argillized & sericitized & slightly silicified & hematized.
- A2/A3 Weak pervasive argillization with hematite flooding in matrix.
- A3 Weak argillitic, sericitic and/or propylitic alteration; partial replacement by variable clay-sericite-chlorite assemblages. Generally dark grey matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5 Silicification. No pyrite. Original texture preserved locally. Feldspars silicified; may be preserved as tan ghosts. Groundmass silicified usually with weak hematization. Vugs, trace to 1%, variable quartz druse, may be lined with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5 Argillization with silicification. Matrix with weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2 Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays; may be leached.
- A7 Silicification with pyrite. Minor clay remnants.
- A7/A2 Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8 "Pre-phyllitic" alteration, weak to strong replacement. Original texture variably preserved. Feldspars are argillized, mafic minerals are pyritized, pyrite is commonly limonitized. Moderate silica fringing throughout groundmass. Generally unconsolidated.

- Diamond Drill Hole
- Au Assay Interval (g/t)
- Longitudinal Section Line
- Geologic Contact
- Surficial Geologic Contact
- Fault

GEOLOGICAL BRANCH ASSESSMENT REPORT

15,735 PART 2 OF 7

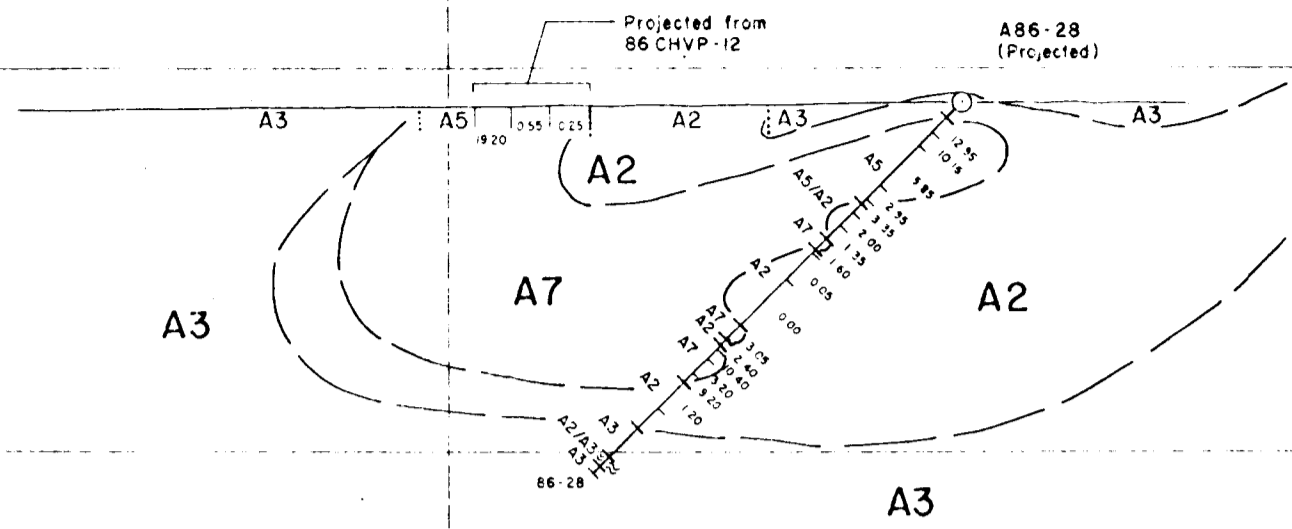
REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** 705 850 W. Hastings St.  
 VANCOUVER, B.C.  
 V6C 1E1 Telephone (604) 684-1250

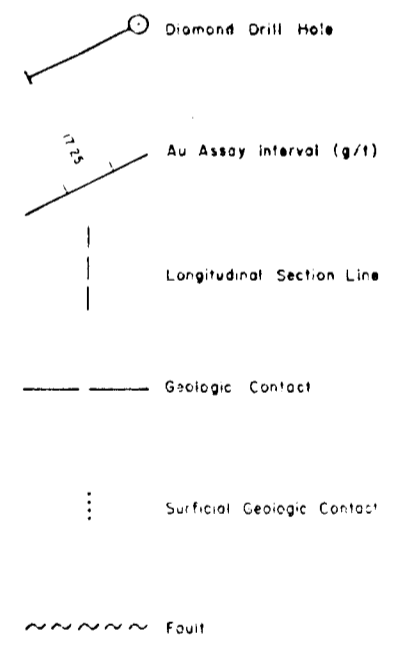
ALL PROPERTY  
 BONANZA ZONE  
**GEOLOGY**  
 CROSS SECTION 3  
 LOOKING 318°

SCALE 1:200

DATE Nov 1986 HTS 84E/8W FIGURE NO.  
 BY LRE/VJB CHND 33C



- A2** Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay-sericite. Matrix obscured or clay-altered. Groundmass argillized & sericitized & slightly silicified & hematized.
- A2/A3**  
**A3/A2** Weak pervasive argillization with hematite flooding in matrix.
- A3** Weak argillite, sericite and/or propylitic alteration, partial replacement by variable clay-sericite-chlorite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5** Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as tan grains. Groundmass silicified usually with weak hematization. Vugs, trace to 10%, variable quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5** Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2** Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays, may be leached.
- A7** Silicification with pyrite. Minor clay remnants.
- A7/A2** Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8** "Pre-phyllitic" alteration; weak to strong replacement. Original texture variably preserved. Feldspars are argillized, mafic minerals are pyritized, pyrite is commonly limonitized. Moderate silica flooding throughout groundmass. Generally unconsolidated.



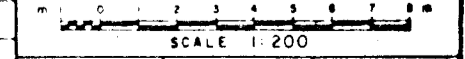
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,735**  
**PART 2 OF 7**

REVISION	DATE	DESCRIPTION	BY	CHKD

**energex** 703 850 W. Hamilton St.  
MINERALS LTD. Vancouver, B.C.  
V6C 1E1 Telephone (604) 696-1858

ALL PROPERTY  
**BONANZA ZONE  
GEOLOGY  
CROSS SECTION 2  
LOOKING 318°**



DATE Nov 1988 BY LKE/VJB  
HTS SAE/SM CNRD  
FIGURE NO 33B

ELEVATIONS IN METRES

ELEVATIONS IN METRES

LEGEND

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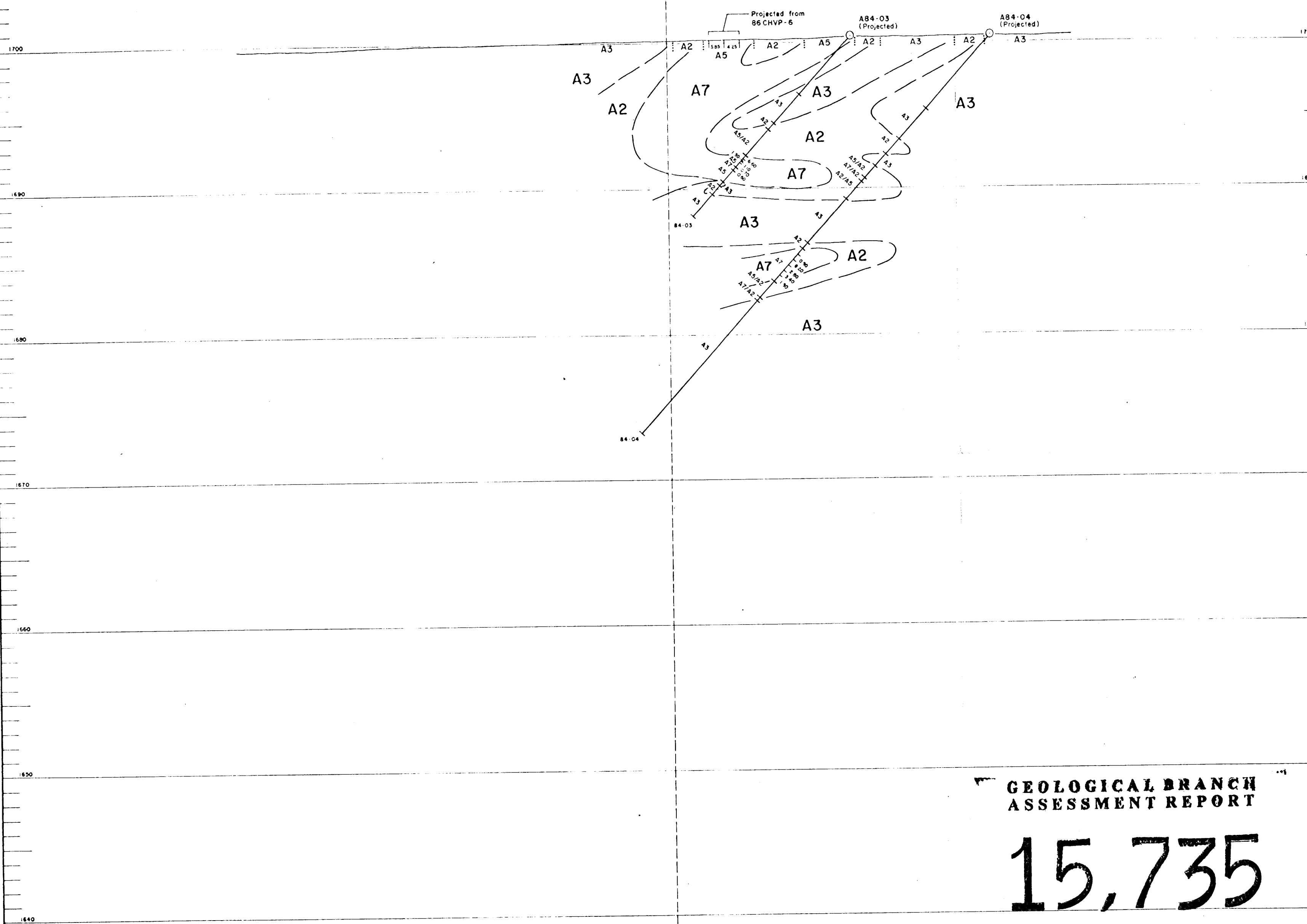
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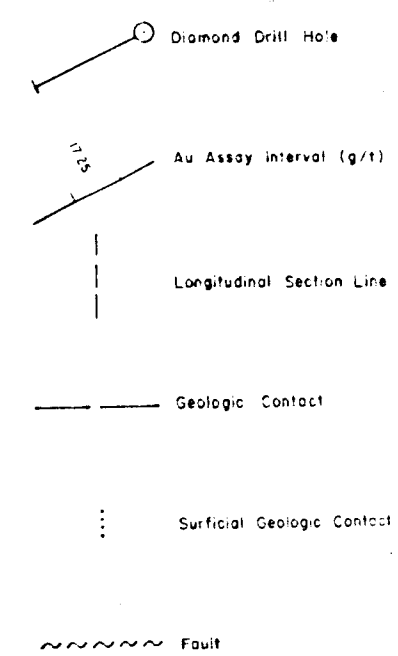
1650

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- A2 Pervasive argillization. Local original texture preserved. Feldspars completely altered to clay/sericite. Matrix obscured or clay-altered. Groundmass argillized & sericitized & slightly silicified & hematized.
- A2/A3 Weak pervasive argillization with hematite flooding in matrix.
- A3/A2 Weak argillitic, sericitic and/or propylitic alteration; partial replacement by variable clay-sericite-calcite assemblages. Generally dark purple matrix with intense hematite flooding and feldspars altered to clay & sericite.
- A5 Silicification. No pyrite. Original texture preserved locally. Feldspars silicified, may be preserved as fragments. Groundmass silicified usually with weak hematization. Vugs, trace to 15%, variable quartz druse, may be coated with Fe oxides. Vugs from leached feldspar and between breccia fragments.
- A2/A5 Argillization with silicification. Matrix has weak silicification and minor hematite flooding. Primary textures usually obscured.
- A5/A2 Silicification with argillization. Matrix silicified with minor hematite. Feldspars altered to clays, may be leached.
- A7 Silicification with pyrite. Minor clay remnants.
- A7/A2 Silicification and argillization with pyrite. Matrix silicified. Feldspars altered to clays.
- A8 "Erephylic" alteration, weak to strong replacement. Original texture variably preserved. Feldspars are argillized, mafic minerals are pyritized, pyrite is commonly limonitized. Moderate silica flooding throughout groundmass. Generally unconsolidated.



GEOLOGICAL BRANCH ASSESSMENT REPORT

15,735 PART 2 OF 7

REV. NO.	DATE	DESCRIPTION	BY	CHKD.

**energex** 703 800 # Hastings St.  
MINERALS LTD. Vancouver, B.C.  
V6C 1E1 Telephone (604) 684-1254

ALL PROPERTY  
BONANZA ZONE  
GEOLOGY  
CROSS SECTION 1  
LOCKING 318\*

SCALE 1:200

DATE Nov 1988 BY LEE/VJB  
HTS 94E/8W  
CHND  
FIGURE NO. 33A