

LEGEND:			
<span style="border: 1px solid black; padding: 2px;">v</span> Upper metavolcanics	<span style="border: 1px solid black; padding: 2px;">bh/ph</span> Banded hornfels	strike and dip	geological boundary
<span style="border: 1px solid black; padding: 2px;">bh/ph</span> Banded hornfels	<span style="border: 1px solid black; padding: 2px;">bph</span> Biotite pyroxene hornfels	strike and dip vertical	minor fault
<span style="border: 1px solid black; padding: 2px;">ch</span> Marble	<span style="border: 1px solid black; padding: 2px;">lv</span> Lower metavolcanics	joint	major fault
<span style="border: 1px solid black; padding: 2px;">bh</span> Biotite hornfels	<span style="border: 1px solid black; padding: 2px;">q</span> Quartzite	joint vertical	back
<span style="border: 1px solid black; padding: 2px;">pgh</span> Pyroxene garnet hornfels	<span style="border: 1px solid black; padding: 2px;">ap</span> Aplite	unconformity	floor
<span style="border: 1px solid black; padding: 2px;">gh</span> Garnet hornfels	<span style="border: 1px solid black; padding: 2px;">gr</span> Granite	relative movement	road
		rise extending through level	spoil
		head of rise	
		foot of rise	
		survey station	

**KING ISLAND SCHEELITE**

DATE: JULY 87 BUC

DRAWN: AD7

GEOLOGY: SOB

CHECKED:

**DOLPHIN MINE**

**GEOLOGICAL CROSS-SECTION**

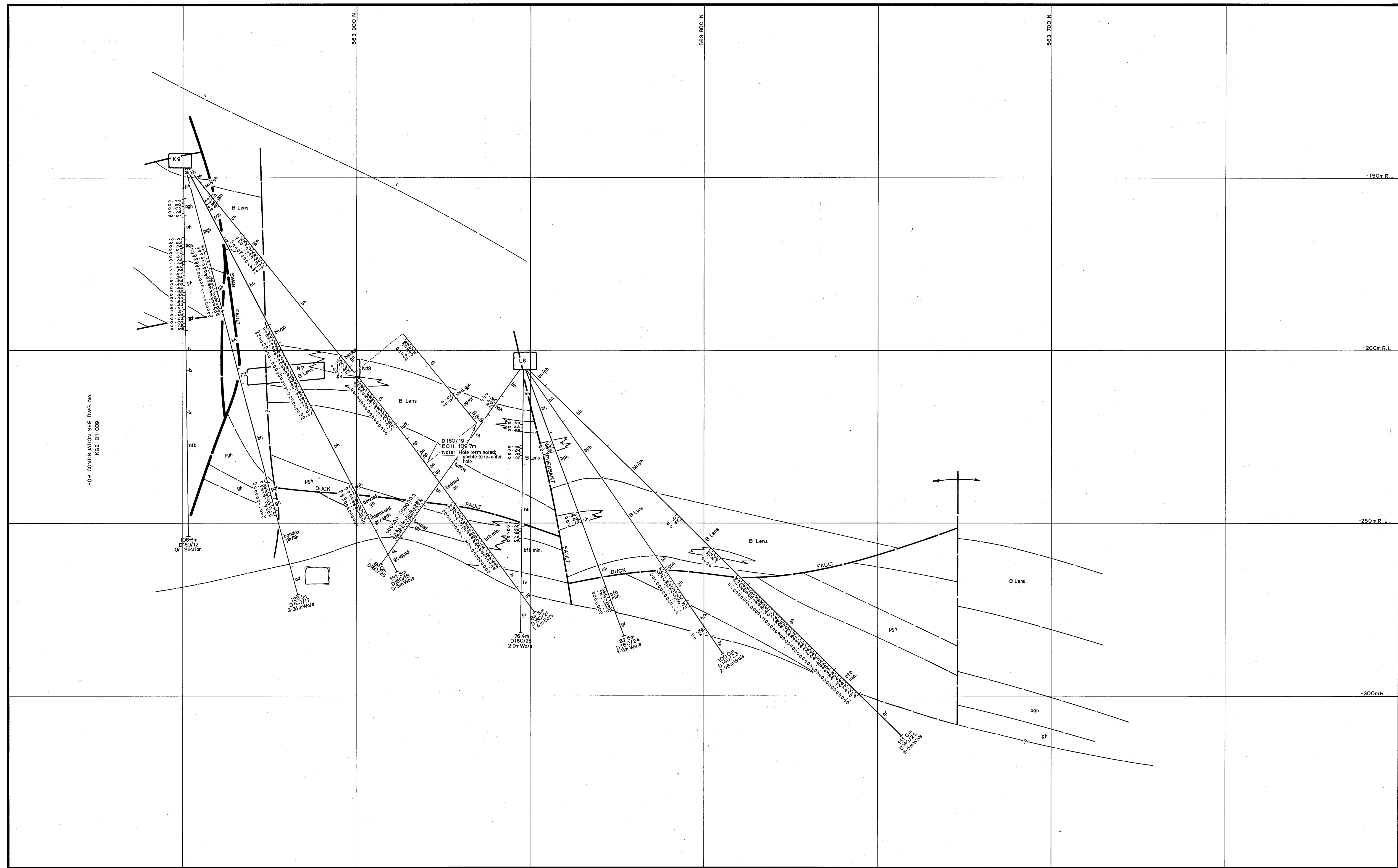
**220 120 E**

**SOUTHERN EXTENSION**

DWG. No. KG2-01-007S

SCALE 1:500

5 cm



FOR CONTINUATION SEE DWG. No. KG2-01-009

LEGEND:			
Upper metavolcanics	Banded footwall beds	strike and dip	geological boundary
Banded hornfels	Biotite pyroxene hornfels	strike and dip vertical joint	minor fault
Marble	Lower metavolcanics	joint vertical	major fault
Biotite hornfels	Quartzite	unconformity	back
Pyroxene garnet hornfels	Aplite	relative movement	floor
Garnet hornfels	Granite	rise extending through level	road
		head of rise	spoil
		foot of rise	
		survey station	

**KING ISLAND SCHEELITE**

DWG. No. KG2-01-009S

**DOLPHIN MINE**

**GEOLOGICAL CROSS-SECTION**

**220 160 E**

**SOUTHERN EXTENSION**

DATE: 28-2-82

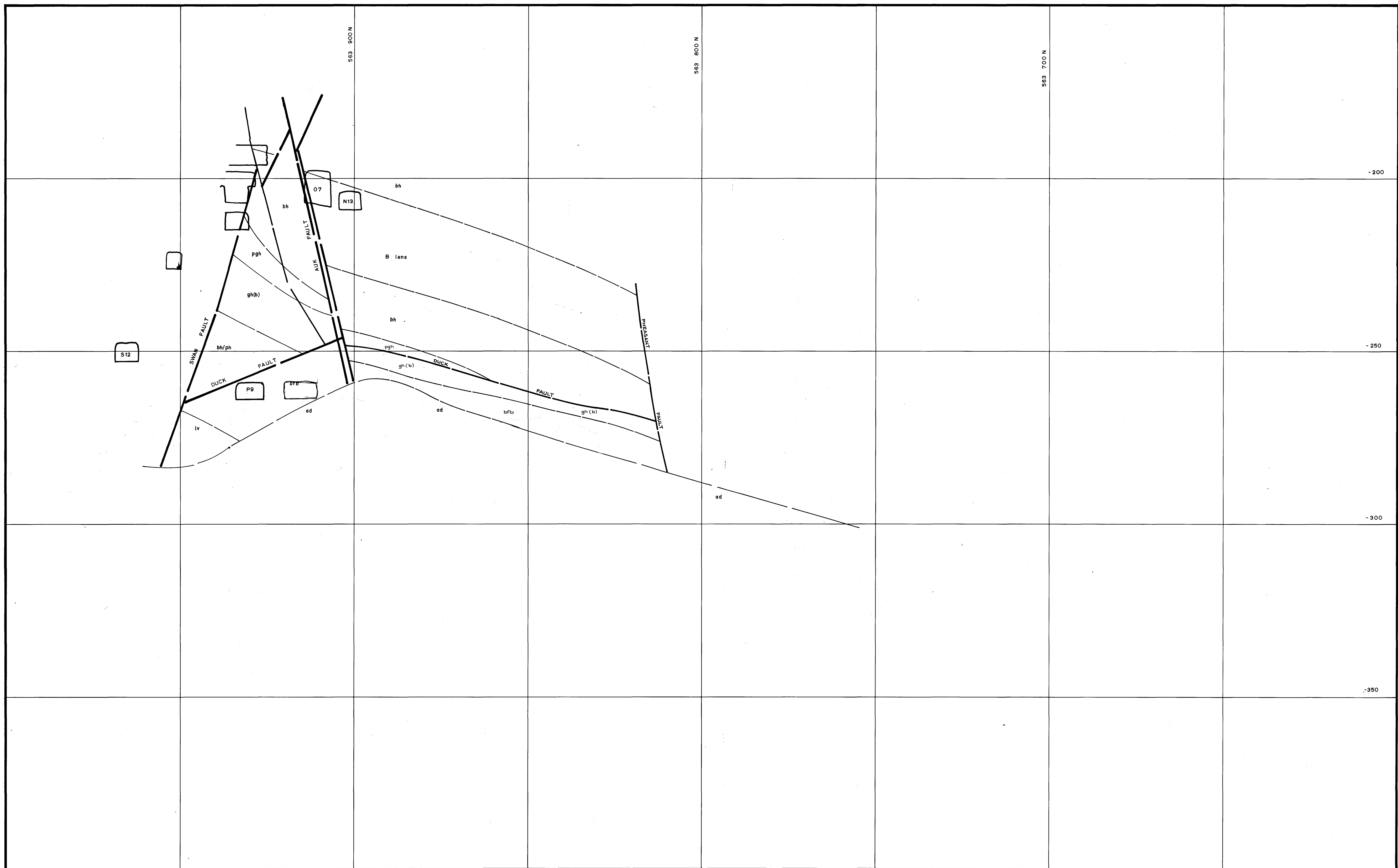
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GEOLOGY: [Signature]

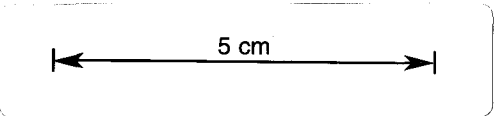
CHECKED: [Signature]

SCALE 1:500

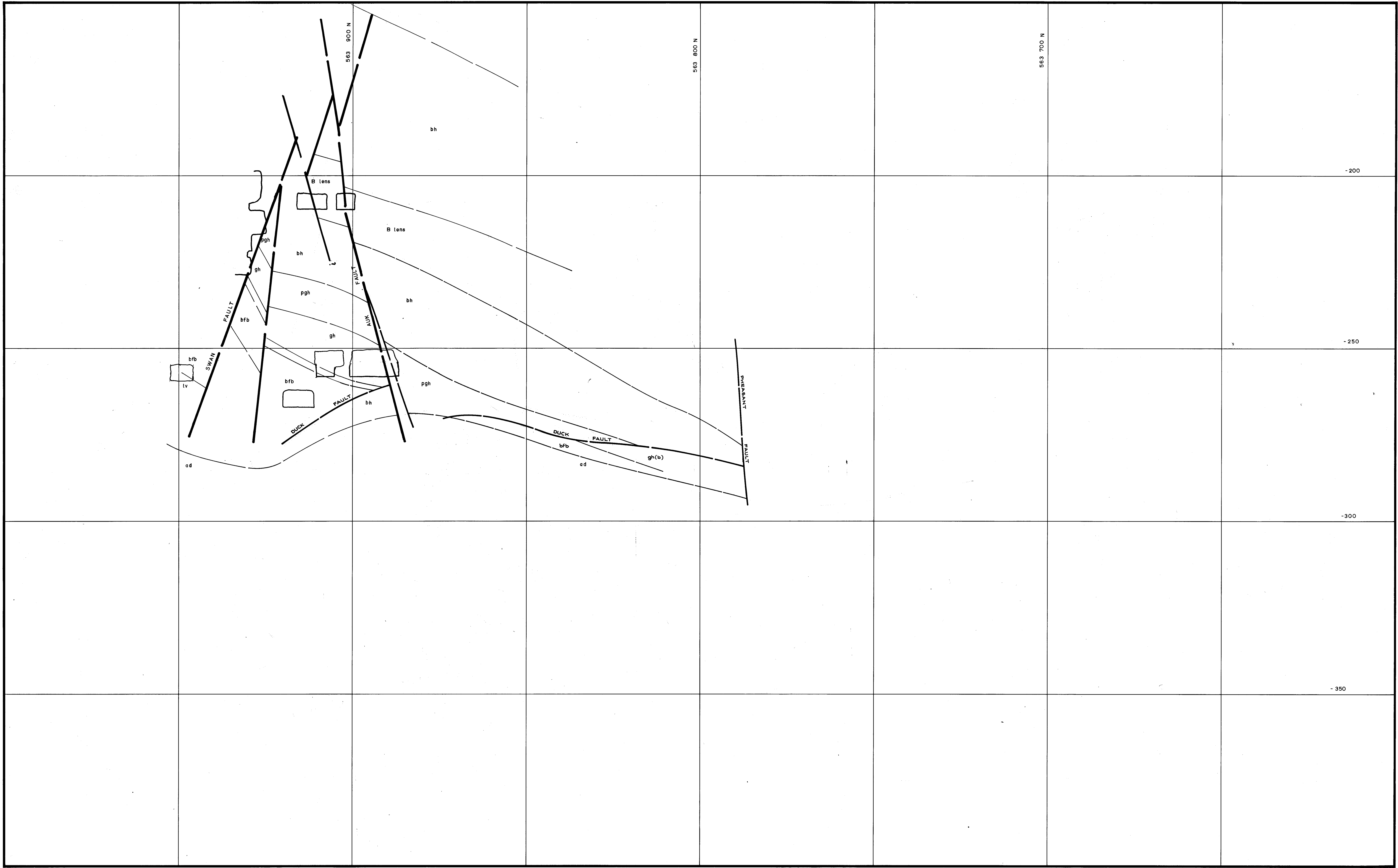
5 cm



LEGEND:			
v	Upper metavolcanics	—	strike and dip
bh/ph	Banded hornfels	—	strike and dip vertical
ch	Marble	—	joint
bh	Biotite hornfels	—	joint vertical
pgh	Pyroxene garnet hornfels	~	unconformity
gh	Garnet hornfels	—	relative movement
bh/ph	Banded footwall beds	—	rise extending through level
bph	Biotite pyroxene hornfels	—	head of rise
lv	Lower metavolcanics	—	foot of rise
q	Quartzite	Δ	survey station
ap	Aplite	—	geological boundary
gr	Granite	—	minor fault
		—	major fault
		b	back
		f	floor
		r	road
		s	spod



	<b>KING ISLAND SCHEELITE</b>	
	DATE: JULY 87 BJC DRAWN: A.D. Jones GEOLOGY: SGB CHECKED:	
	DWG. No. KG2-01-010 S <b>DOLPHIN MINE</b> GEOLOGICAL CROSS-SECTION 220 180 E SOUTHERN EXTENSION	



LEGEND:			
[v] Upper metavolcanics	[bh/ph] Banded hornfels	[—] strike and dip	[---] geological boundary
[bph] Biotite pyroxene hornfels	[lv] Lower metavolcanics	[—] strike and dip vertical	[---] minor fault
[ch] Marble	[q] Quartzite	[—] joint	[---] major fault
[bh] Biotite hornfels	[ap] Aplite	[—] joint vertical	[b] back
[pgh] Pyroxene garnet hornfels	[gr] Granite	[—] relative movement	[f] floor
[gh] Garnet hornfels		[~] unconformity	[r] road
		[~] rise extending through level	[s] spot
		[☐] head of rise	
		[☐] foot of rise	
		[Δ] survey station	

DATE: JULY '87 BJC  
DRAWN: ADP  
GEOLOGY: 56B  
CHECKED:

**KING ISLAND SCHEELITE**

SCALE 1:500

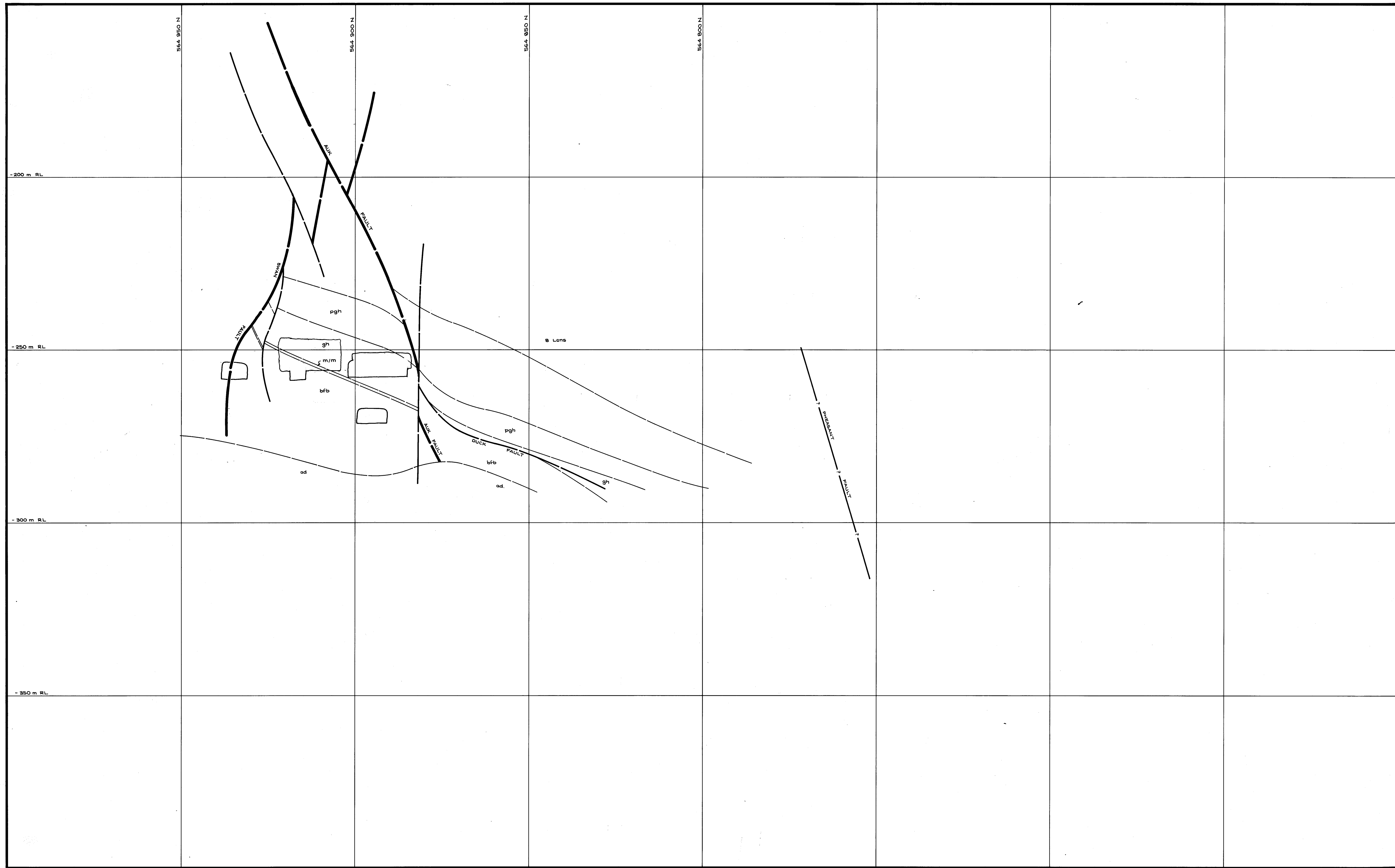
DWG. No. KG2-01-01S

**DOLPHIN MINE**

**GEOLOGICAL CROSS-SECTION**

**220 200 E**

SOUTHERN EXTENSION



LEGEND:			
Upper metavolcanics	Banded footwall beds	strike and dip	geological boundary
Banded hornfels	Biotite pyroxene hornfels	strike and dip vertical	minor fault
Marble	Lower metavolcanics	joint	major fault
Biotite hornfels	Quartzite	joint vertical	b back
Pyroxene garnet hornfels	Aplite	unconformity	f floor
Garnet hornfels	Granite	relative movement	r road
		rise extending through level	s spad
		head of rise	
		foot of rise	
		survey station	

DATE: July '87 BJC  
DRAWN: BJC  
GEOLOGY: SGB  
CHECKED:

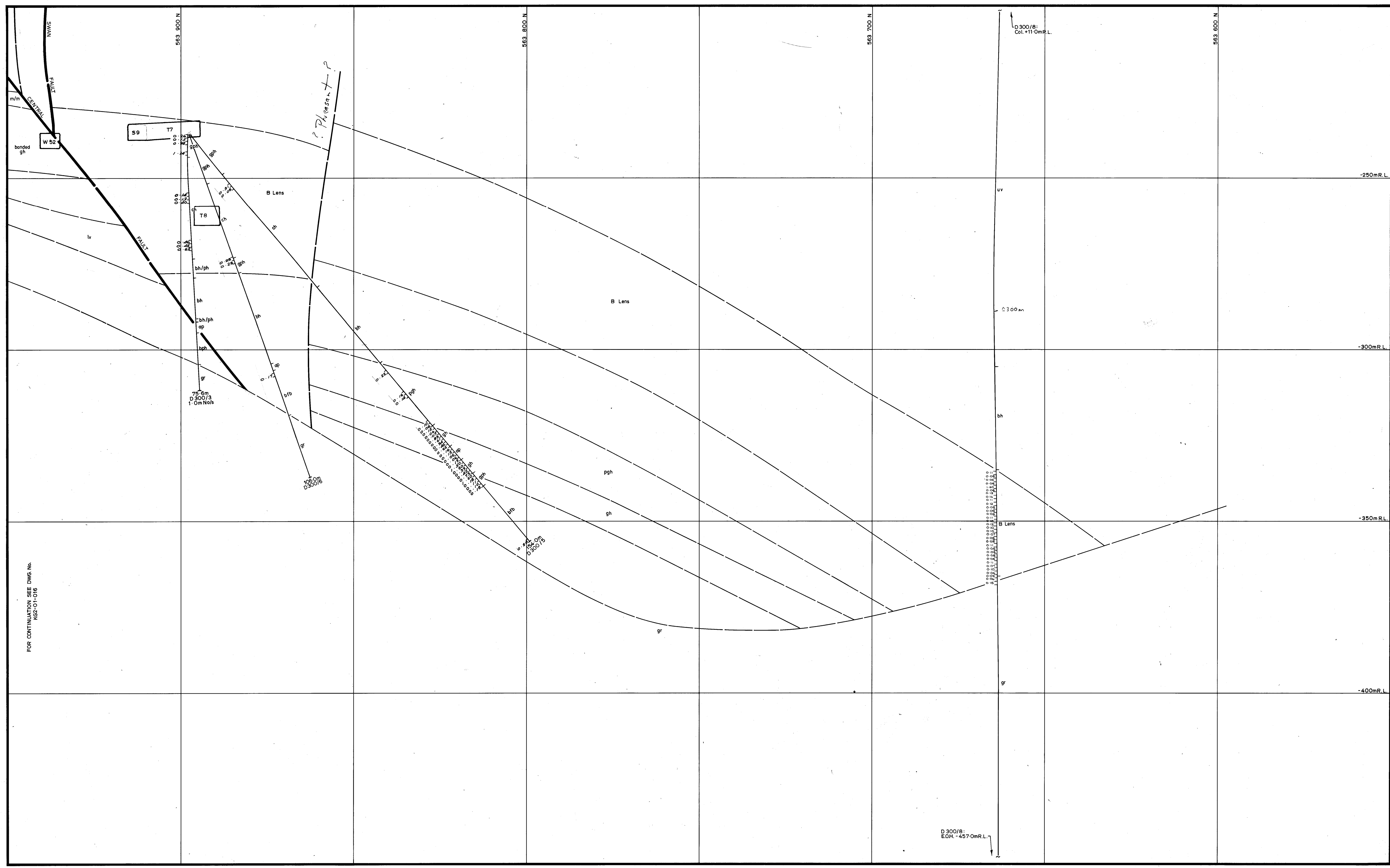
**KING ISLAND SCHEELITE**

DOLPHIN MINE  
GEOLOGICAL CROSS-SECTION  
220 220 E  
SOUTHERN 2' EXTENSION

DWG. No. KG2-01-012S

SCALE 1:500

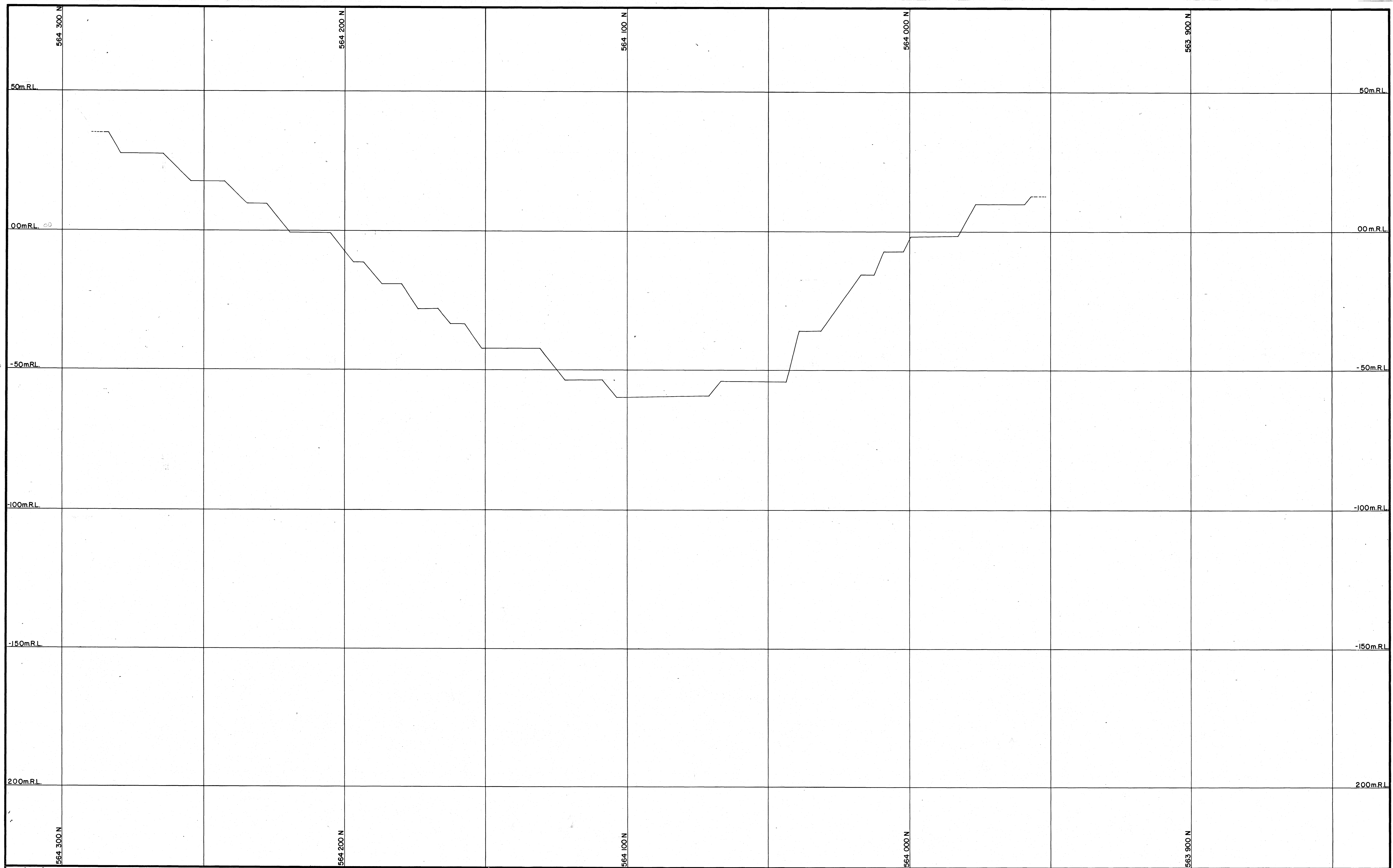
5 cm



FOR CONTINUATION SEE DWG No.  
 KG2-01-016

<b>LEGEND:</b> v Upper metavolcanics bh/ph Banded hornfels ch Marble bh Biotite hornfels pgh Pyroxene garnet hornfels gh Garnet hornfels		bh/ph Banded footwall beds bph Biotite pyroxene hornfels lv Lower metavolcanics q Quartzite ap Aplite gr Granite		- - - - - strike and dip - - - - - strike and dip vertical - - - - - joint - - - - - joint vertical ~ ~ ~ ~ ~ unconformity - - - - - relative movement [ ] rise extending through level [ ] head of rise [ ] foot of rise Δ survey station		- - - - - geological boundary - - - - - minor fault - - - - - major fault b back f floor r road s spod		KING ISLAND SCHEELITE DWG. No. KG2-01-016S DOLPHIN MINE GEOLOGICAL CROSS-SECTION 220 300 E SOUTHERN EXTENSION	
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219 800 E  
01 219 800 E

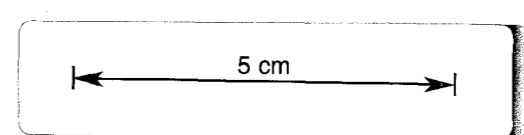


- Legend:**
- v Upper metavolcanics
  - ph/bh Banded hornfels
  - ch Marble
  - bh Biotite hornfels
  - pgh Pyroxene garnet hornfels
  - gh Garnet hornfels
  - br/ph Banded footwall beds
  - bph Biotite pyroxene hornfels
  - lv Lower metavolcanics
  - q Quartzite
  - ap Aplite

- 60 Strike and dip
- 35 Joint, inclined
- Joint, vertical
- Fault
- Degree of uncertainty in Fault position
- Direction of bedding with respect to core axis

RQD Rock Quality Designator  
J/M Joints per Metre of recovered core

RQD %  
>90 Minimum or no support  
60-90 Intermediate support; rockbolts and one shotcrete application  
<60 Maximum support  
(after E. Miller; March, 1972)



DATE: \_\_\_\_\_  
GEOLOGIST: \_\_\_\_\_  
DRAWN: \_\_\_\_\_  
CHECKED: \_\_\_\_\_

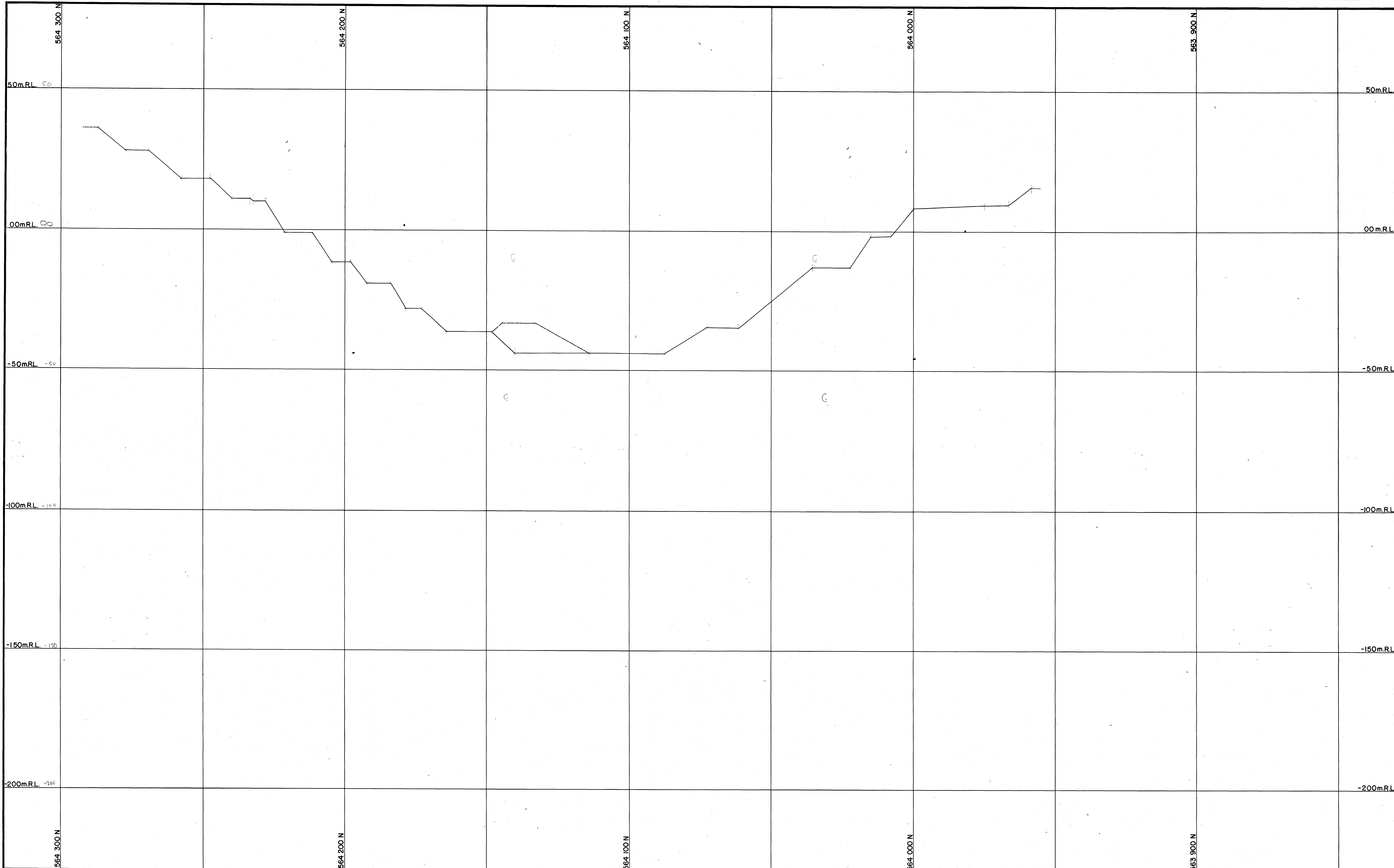
**KING ISLAND SCHEELITE**

No. KG2-

SCALE: 1:500

**DOLPHIN MINE**  
GEOLOGICAL CROSS-SECTION  
219 800 E

370-01  
01 219 760 E



Legend:

- v Upper metavolcanics
- ph/bh Banded hornfels
- ch Marble
- bh Biotite hornfels
- pgh Pyroxene garnet hornfels
- gh Garnet hornfels

- br/br Banded footwall beds
- bph Biotite pyroxene hornfels
- lv Lower metavolcanics
- q Quartzite
- ap Aplite

- 60 Strike and dip
- 55 Joint, inclined
- iv Joint, vertical
- Fault
- Degree of uncertainty in Fault position
- Direction of bedding with respect to core axis

RQD Rock Quality Designator  
J/M Joints per Metre of recovered core

RQD %  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support  
 (after E. Miller; March, 1972)

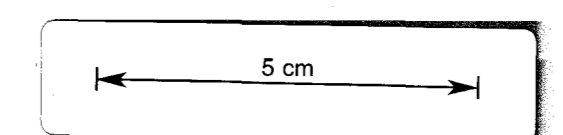
DATE:  
 GEOLOGIST:  
 DRAWN:  
 CHECKED:

**KING ISLAND SCHEELITE**

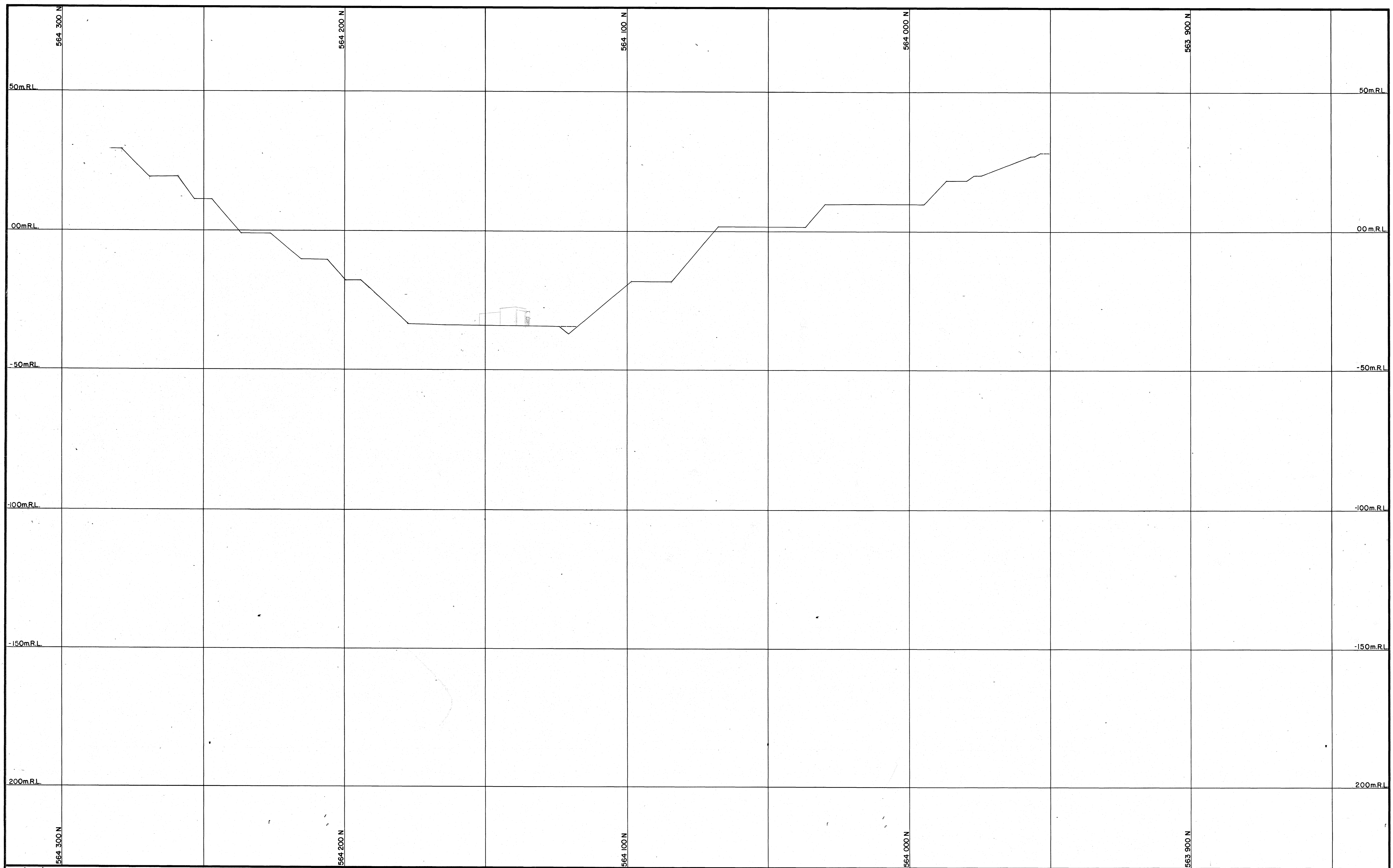
No. KG2-

SCALE: 1:500

DOLPHIN MINE  
 GEOLOGICAL CROSS-SECTION  
 219 760 E



219 720 E

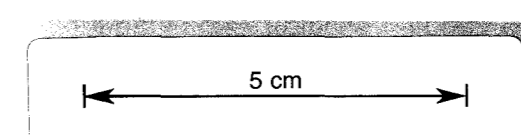


- Legend:**
- v Upper metavolcanics
  - ph/bh Banded hornfels
  - ch Marble
  - bh Biotite hornfels
  - pgh Pyroxene garnet hornfels
  - gh Garnet hornfels
  - ph/bh Banded footwall beds
  - bph Biotite pyroxene hornfels
  - lv Lower metavolcanics
  - q Quartzite
  - ap Aplite

- 60 Strike and dip
- 35 Joint, inclined
- Joint, vertical
- Fault
- Degree of uncertainty in Fault position
- Direction of bedding with respect to core axis

ROD Rock Quality Designator  
J/M Joints per Metre of recovered core

ROD %  
>90 Minimum or no support  
60-90 Intermediate support; rockbolts and one shotcrete application  
<60 Maximum support  
(after E. Miller; March, 1972)



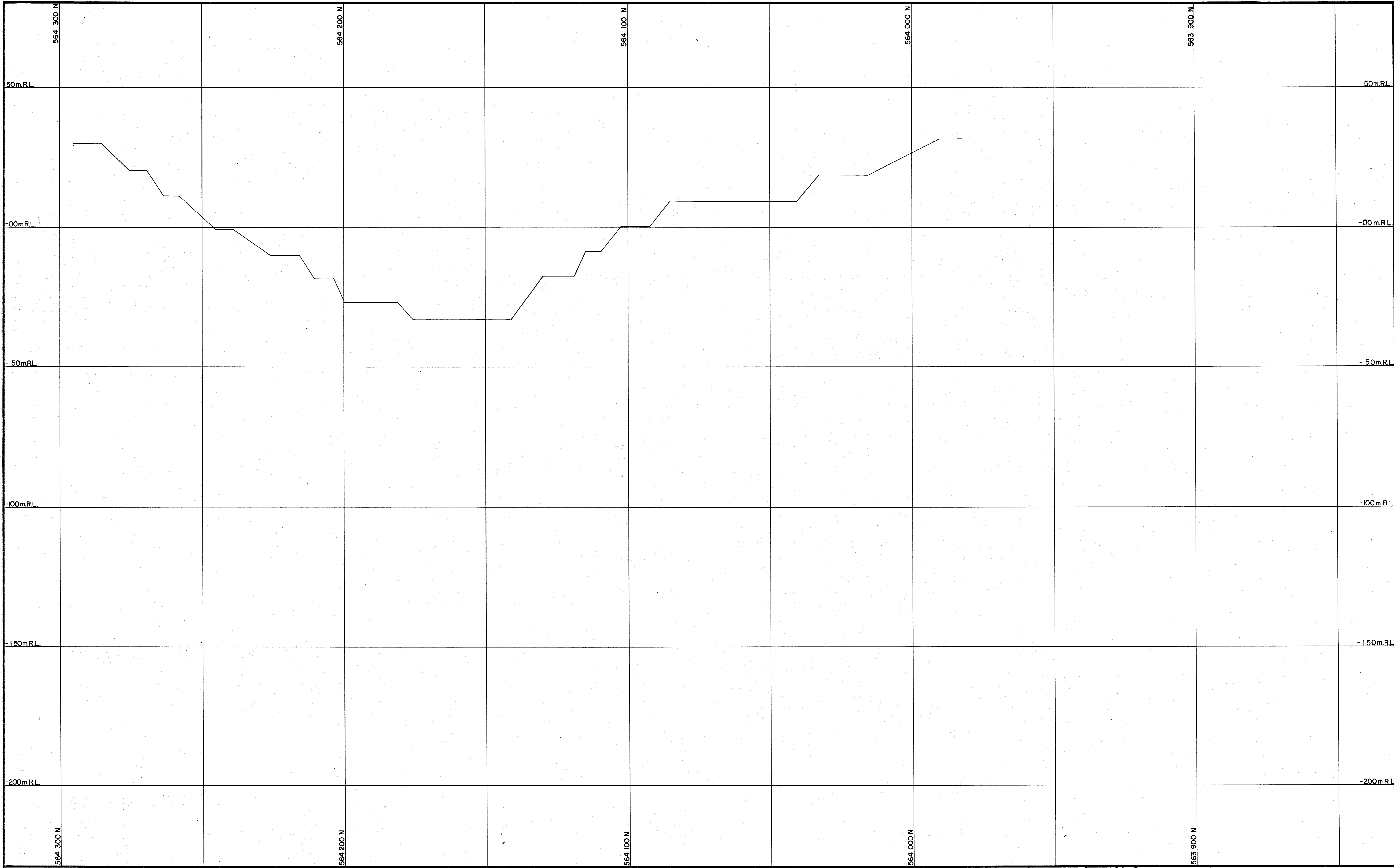
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GEOLOGIST: \_\_\_\_\_  
DRAWN: \_\_\_\_\_  
CHECKED: \_\_\_\_\_

**KING ISLAND SCHEELITE**

No. KG2-

DOLPHIN MINE  
GEOLOGICAL CROSS-SECTION  
219 720 E

Ms2-01  
O/219 680 E



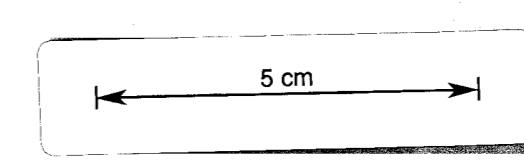
- Legend:**
- v Upper metavolcanics
  - ph/bh Banded hornfels
  - ch Marble
  - bh Biotite hornfels
  - pgh Pyroxene garnet hornfels
  - gh Garnet hornfels

- bh/pgh Banded footwall beds
- bph Biotite, pyroxene hornfels
- lv Lower metavolcanics
- q Quartzite
- ap Aplitite

- 60 Strike and dip
- 35 Joint, inclined
- lv Joint, vertical
- Fault
- Degree of uncertainty in Fault position
- Direction of bedding with respect to core axis

RQD Rock Quality Designator  
J/M Joints per Metre of recovered core

RQD %  
>90 Minimum or no support  
60-90 Intermediate support; rockbolts and one shotcrete application  
<60 Maximum support  
(after E. Miller; March, 1972)



DATE: \_\_\_\_\_  
GEOLOGIST: \_\_\_\_\_  
DRAWN: \_\_\_\_\_  
CHECKED: \_\_\_\_\_

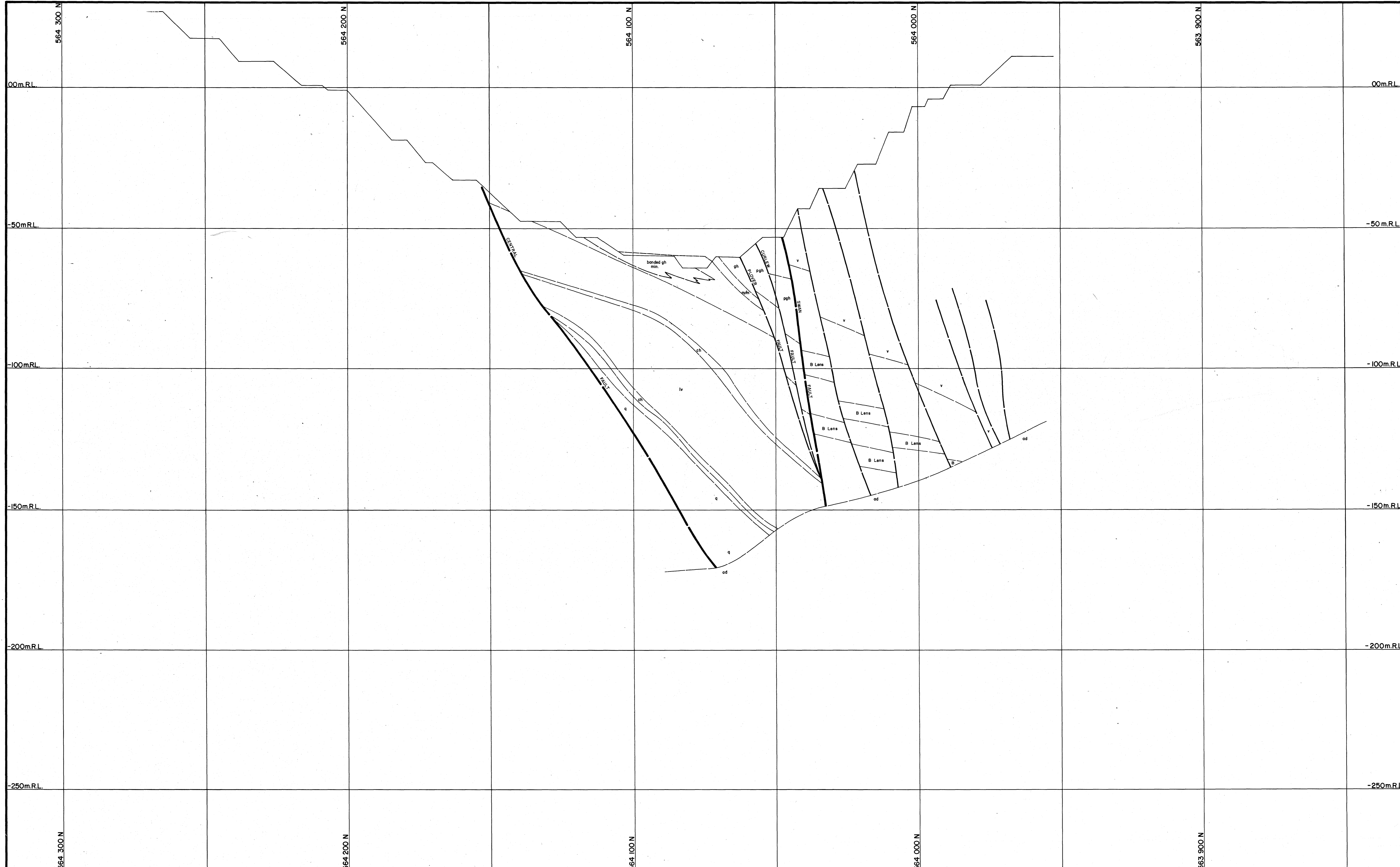
**KING ISLAND SCHEELITE**

SCALE: 1:500

No. KG2-

**DOLPHIN MINE  
GEOLOGICAL CROSS-SECTION  
219 680 E**

01 219 840 E



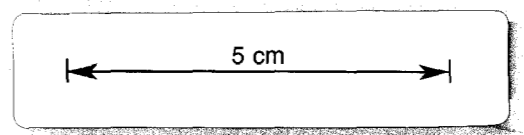
**Legend:**

v	Upper metavolcanics	ph/gh	Banded footwall beds
ph/gh	Banded hornfels	bph	Biotite pyroxene hornfels
ch	Marble	lv	Lower metavolcanics
bh	Biotite hornfels	q	Quartzite
pgh	Pyroxene garnet hornfels	ap	Aplite
gh	Garnet hornfels		

50	Strike and dip
55	Joint, inclined
(thick line)	Joint, vertical
(dashed line)	Fault
(line with arrows)	Degree of uncertainty in Fault position
(line with arrow)	Direction of bedding with respect to core axis

RQD Rock Quality Designator  
 J/M Joints per Metre of recovered core

RQD %  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support  
 (after E. Miller, March, 1972)



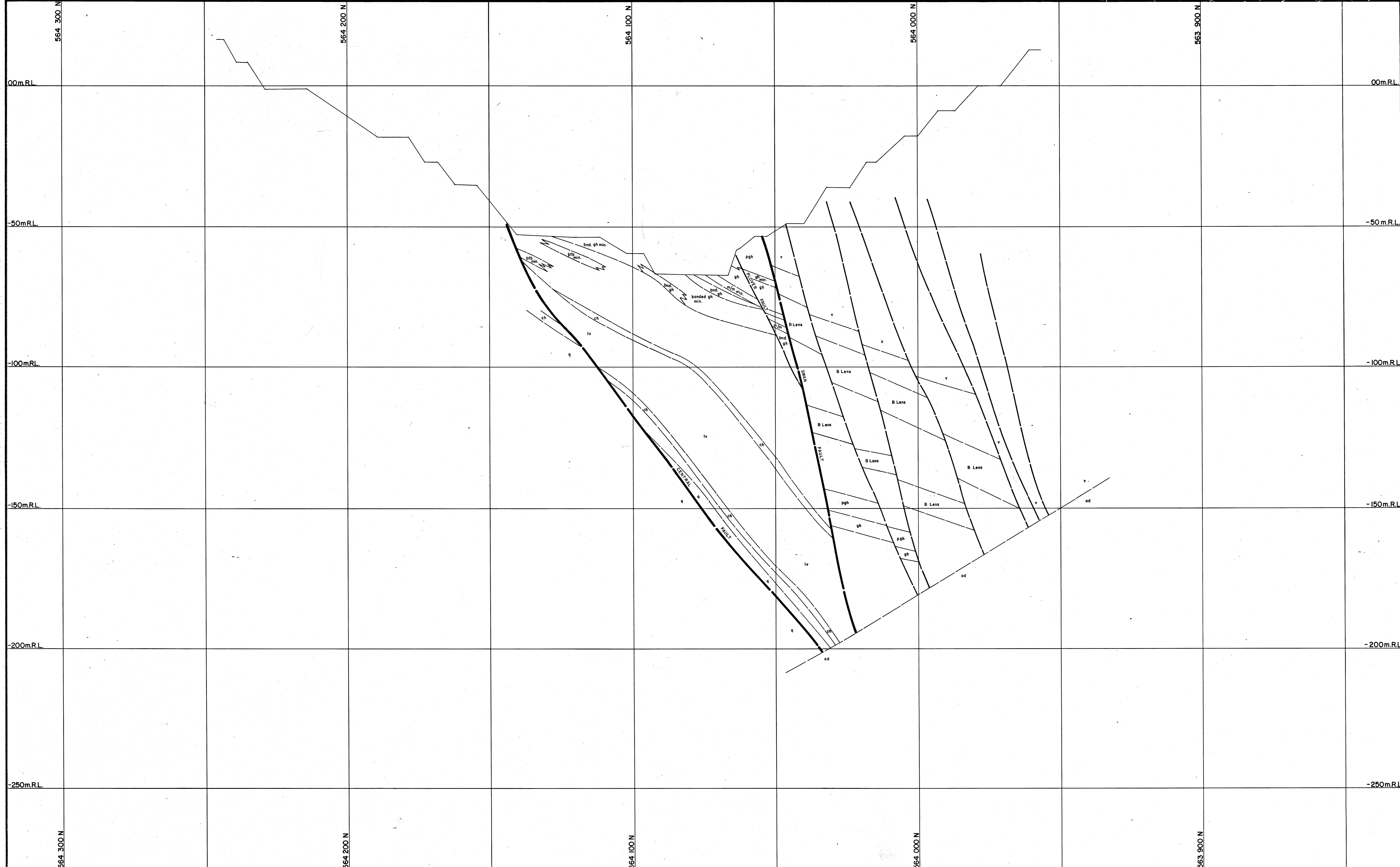
**KING ISLAND SCHEELITE**

No. KG2-

**DOLPHIN MINE**  
**GEOLOGICAL CROSS-SECTION**  
**219 840 E**

DATE: \_\_\_\_\_  
 GEOLOGIST: T.F.P.  
 DRAWN: R.F.  
 CHECKED: \_\_\_\_\_

01 219 880 E



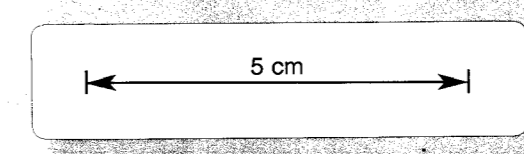
**Legend:**

v	Upper metavolcanics	gh/bh	Banded hornfels	ch	Marble	bh	Biotite hornfels	pgh	Pyroxene garnet hornfels	gh	Garnet hornfels
gh/bh	Banded footwall beds	bph	Biotite, pyroxene hornfels	lv	Lower metavolcanics	q	Quartzite	ap	Aplite		

60	Strike and dip
55	Joint, inclined
—	Joint, vertical
—	Fault
—	Degree of uncertainty in Fault position
—	Direction of bedding with respect to core axis

RQD Rock Quality Designator  
 J/M Joints per Metre of recovered core

RQD %  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support  
 (after E. Miller; March, 1972)



DATE: \_\_\_\_\_  
 GEOLOGIST: F.P.P.  
 DRAWN: M.v.d.S.  
 CHECKED: \_\_\_\_\_

**KING ISLAND SCHEELITE**

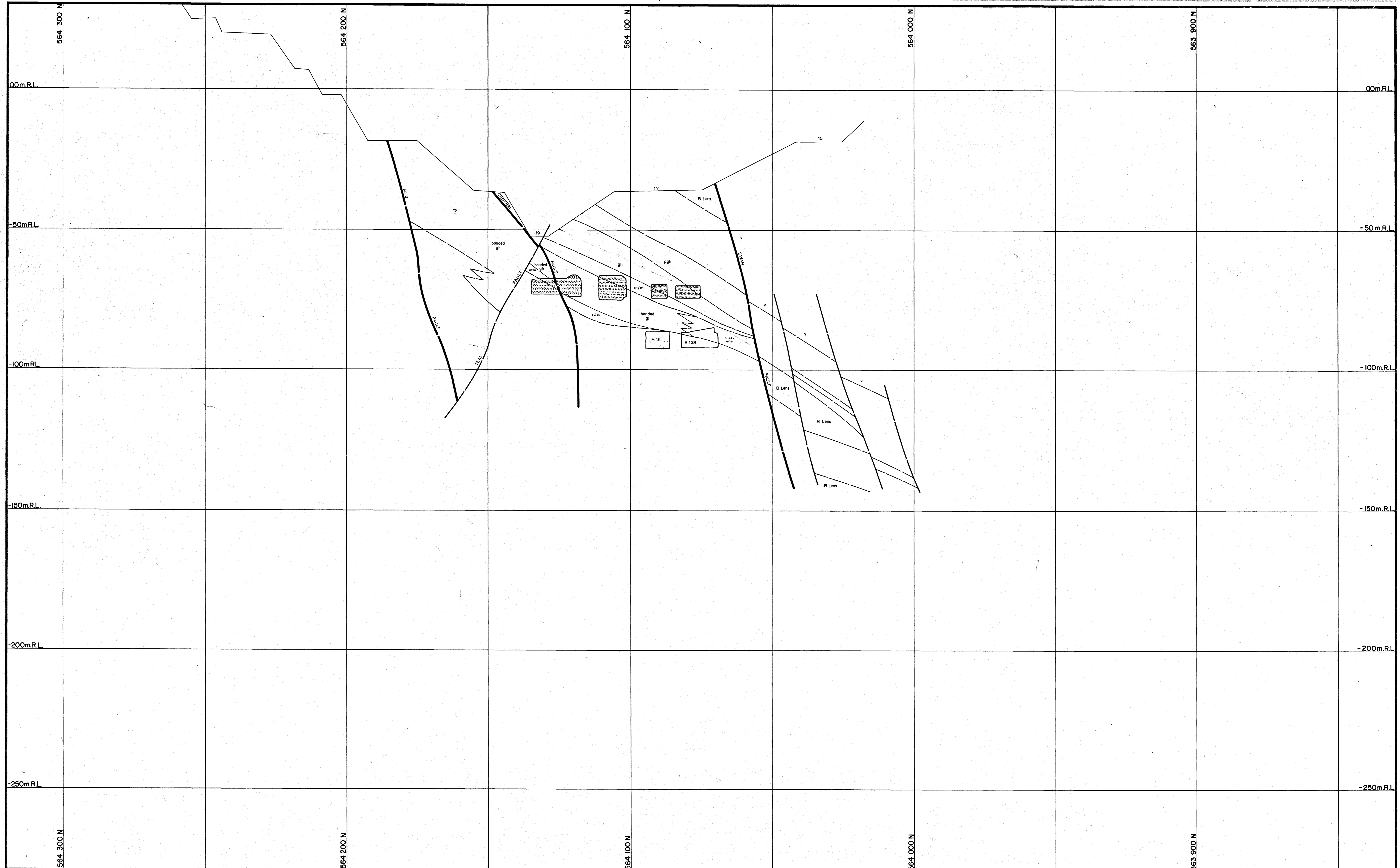
No. KG2-

SCALE: 1:500

**DOLPHIN MINE**  
 GEOLOGICAL CROSS-SECTION  
 219 880 E



KG-01  
01 219 940 E



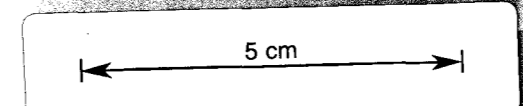
**Legend:**

Upper metavolcanics	Bonded footwall beds
Bonded hornfels	Biotite, pyroxene hornfels
Marble	Lower metavolcanics
Biotite hornfels	Quartzite
Pyroxene garnet hornfels	Aplite
Garnet hornfels	

60° Strike and dip	Joint, inclined
Joint, vertical	Fault
Degree of uncertainty in Fault position	Direction of bedding with respect to core axis

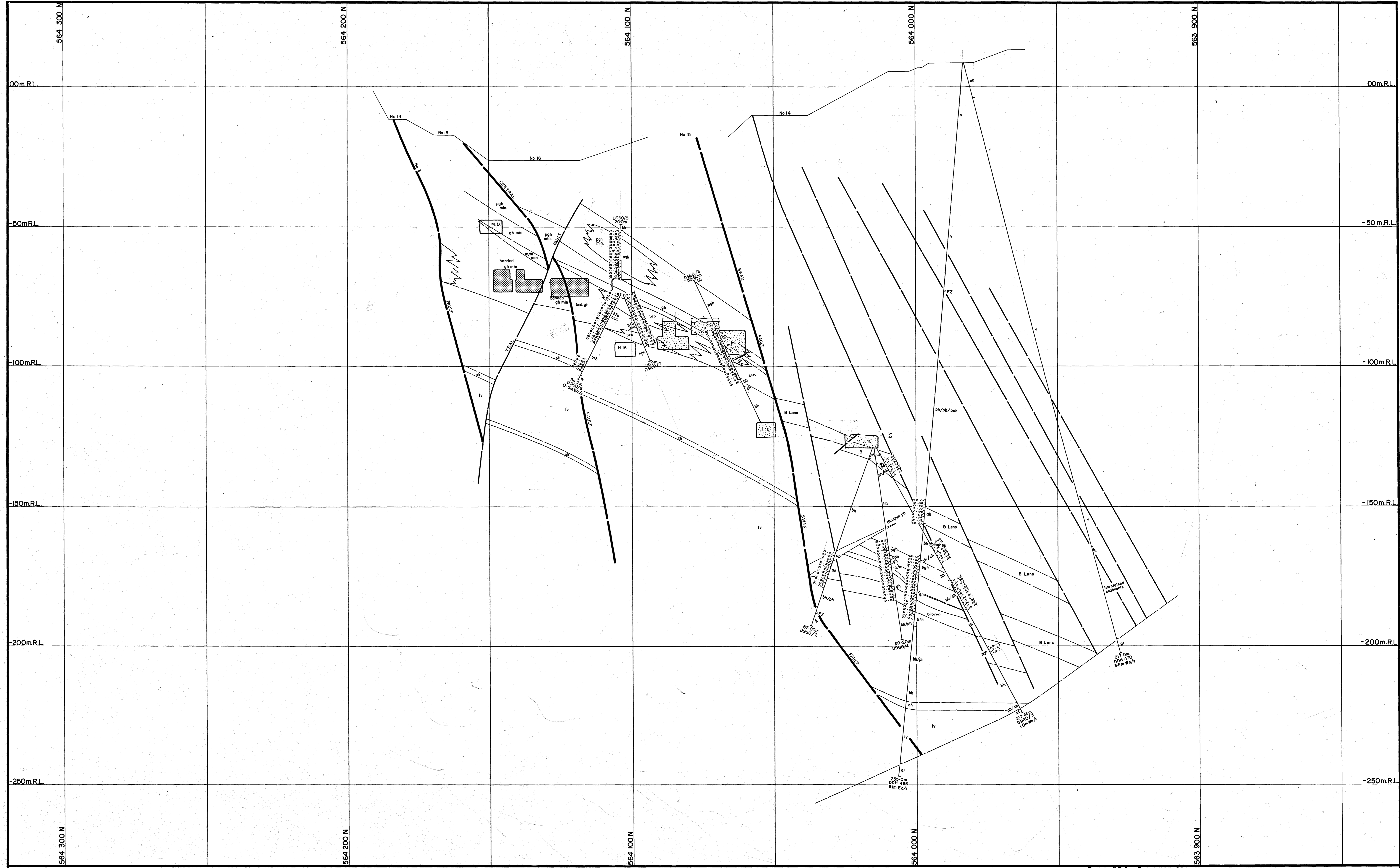
RQD Rock Quality Designator  
J/M Joints per Metre of recovered core

RQD %  
>90 Minimum or no support  
60-90 Intermediate support; rockbolts and one shotcrete application  
<60 Maximum support  
(after E. Miller; March, 1972)



<b>KING ISLAND SCHEELITE</b>	
 DATE: NOV 1984 GEOLOGIST: S.G.B. DRAWN: [Signature] CHECKED: [Signature]	No. KG2-  <b>DOLPHIN MINE</b> <b>GEOLOGICAL CROSS-SECTION</b> <b>219 940 E</b>

KG-01  
01 219 960 E

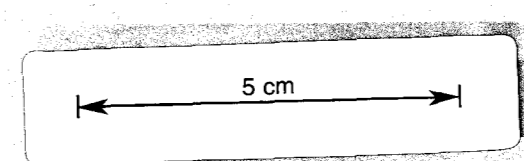


**Legend:**

Upper metavolcanics	Banded footwall beds	Strike and dip
Banded hornfels	Biotite pyroxene hornfels	Joint, inclined
Marble	Lower metavolcanics	Joint, vertical
Biotite hornfels	Quartzite	Fault
Pyroxene garnet hornfels	Aplite	Degree of uncertainty in Fault position
Garnet hornfels		Direction of bedding with respect to core axis

ROD Rock Quality Designator  
 J/M Joints per Metre of recovered core

ROD %  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support  
 (after E. Miller, March, 1972)



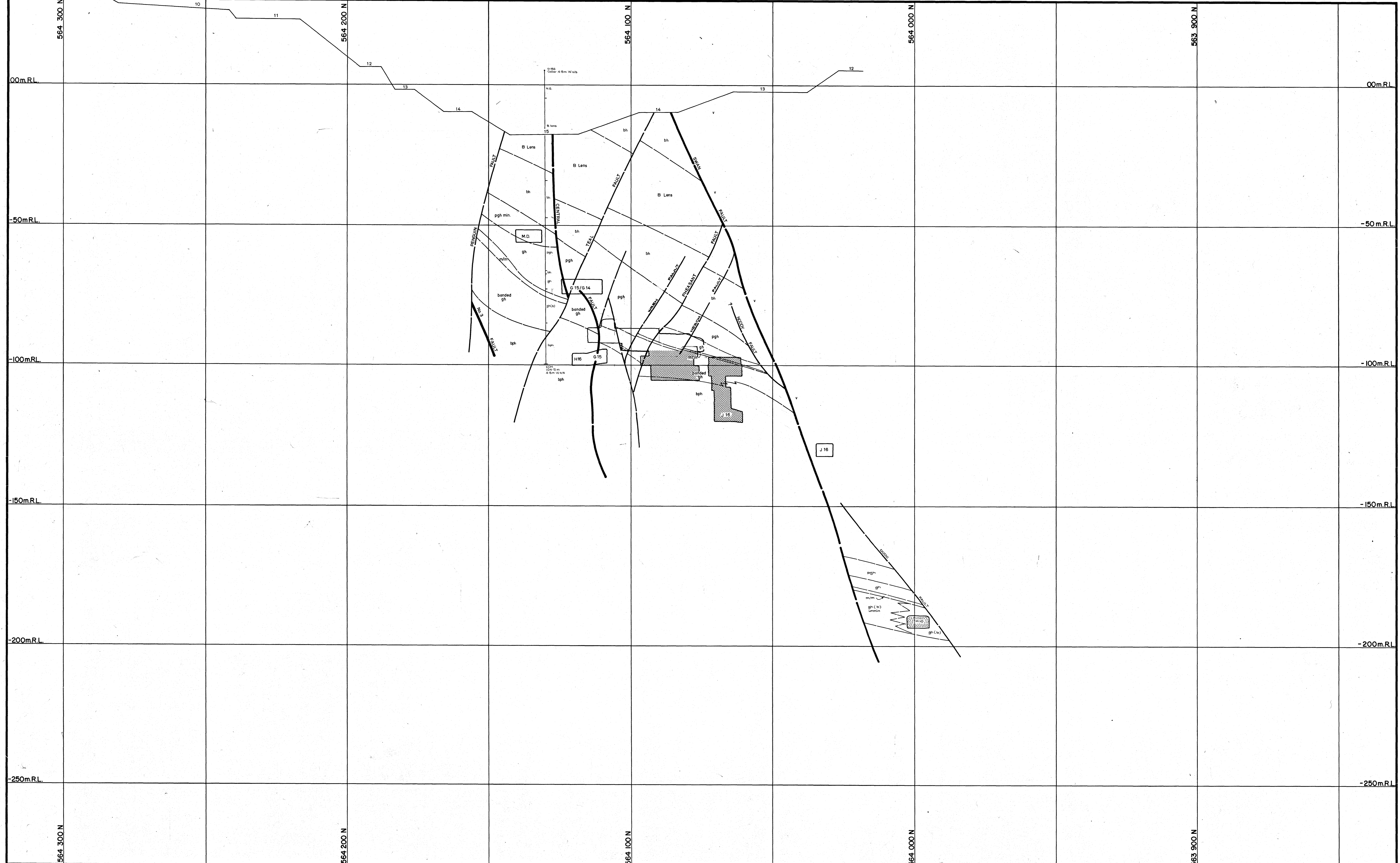
**KING ISLAND SCHEELITE**

No. KG2-

DOLPHIN MINE  
 GEOLOGICAL CROSS-SECTION  
 219 960 E

DATE: 14/07/81  
 GEOLOGIST: GMB  
 DRAWN: GMB  
 CHECKED: GMB

KG2-01-  
01 219 980 E



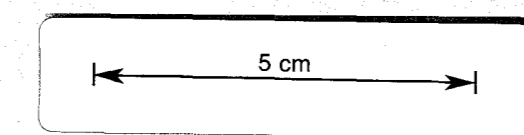
- Legend:**
- v Upper metavolcanics
  - ph/bh Banded hornfels
  - ch Marble
  - bh Biotite hornfels
  - pgh Pyroxene garnet hornfels
  - gh Garnet hornfels

- Bh/pb Banded footwall beds
- bph Biotite, pyroxene hornfels
- lv Lower metavolcanics
- q Quartzite
- ap Apatite

- 60 Strike and dip
- 55 Joint, inclined
- Joint, vertical
- Fault
- Degree of uncertainty in Fault position
- Direction of bedding with respect to core axis

RQD Rock Quality Designator  
J/M Joints per Metre of recovered core

RQD %  
>90 Minimum or no support  
60-90 Intermediate support; rockbolts and one shotcrete application  
<60 Maximum support  
(after E. Miller, March, 1972)



**DATE:** JULY 87 RUC  
**GEOLOGIST:** SSB  
**DRAWN:** [Signature]  
**CHECKED:** [Signature]

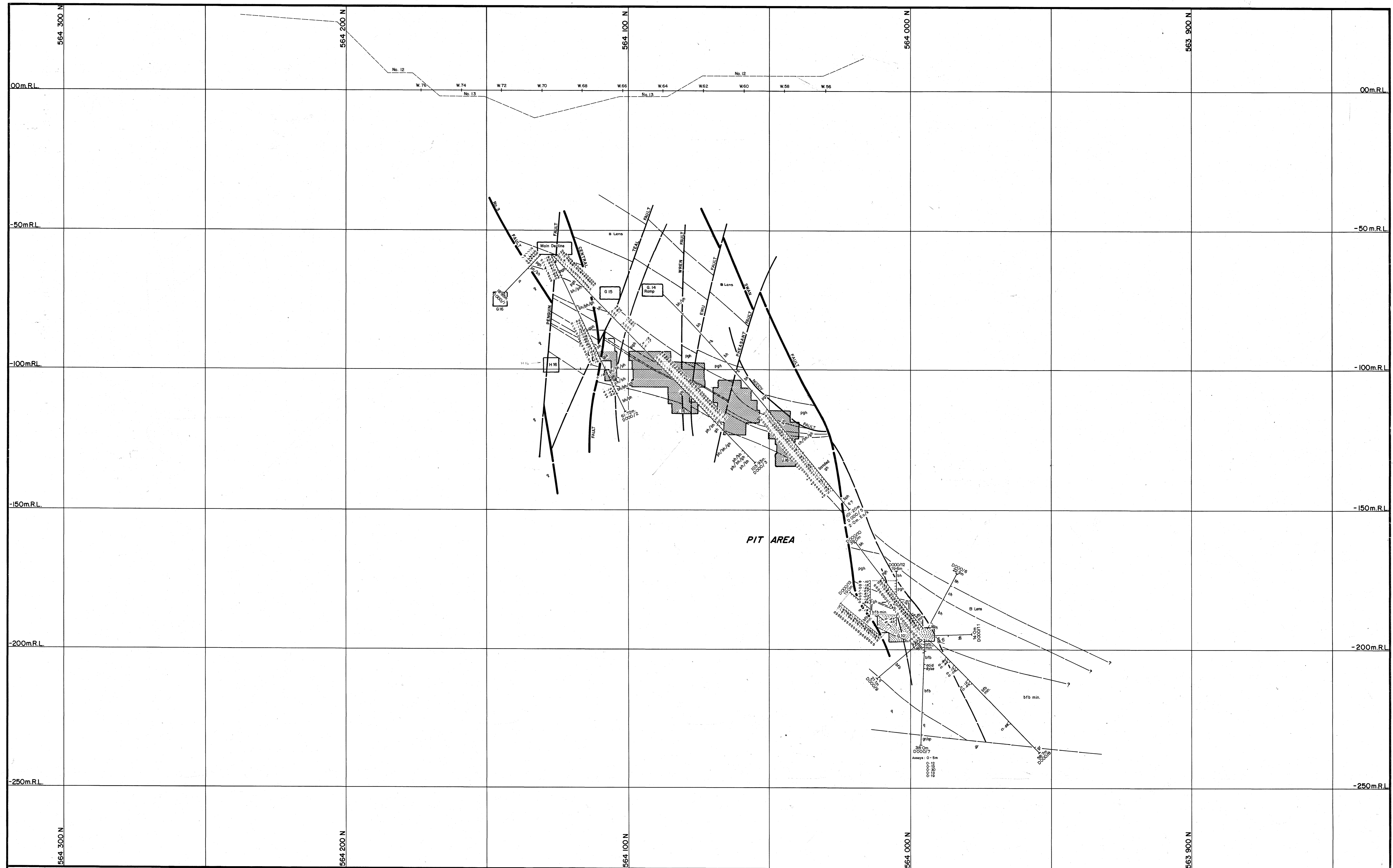
**KING ISLAND SCHEELITE**

No. KG2-

SCALE: 1:500

**DOLPHIN MINE**  
**GEOLOGICAL CROSS-SECTION**  
**219 980 E**

01 220000 E



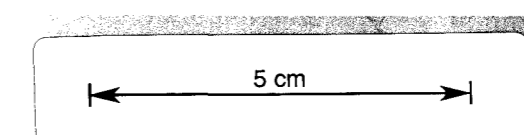
**Legend:**

v	Upper metavolcanics	ph/bh	Banded footwall beds
ph/bh	Banded hornfels	bph	Biotite pyroxene hornfels
ch	Marble	lv	Lower metavolcanics
bh	Biotite hornfels	q	Quartzite
pgh	Pyroxene garnet hornfels	ap	Aplite
gh	Garnet hornfels		

60	Strike and dip
55	Joint, inclined
— —	Joint, vertical
— — —	Fault
— — — —	Degree of uncertainty in Fault position
↖	Direction of bedding with respect to core axis

RQD Rock Quality Designator  
 J/M Joints per Metre of recovered core

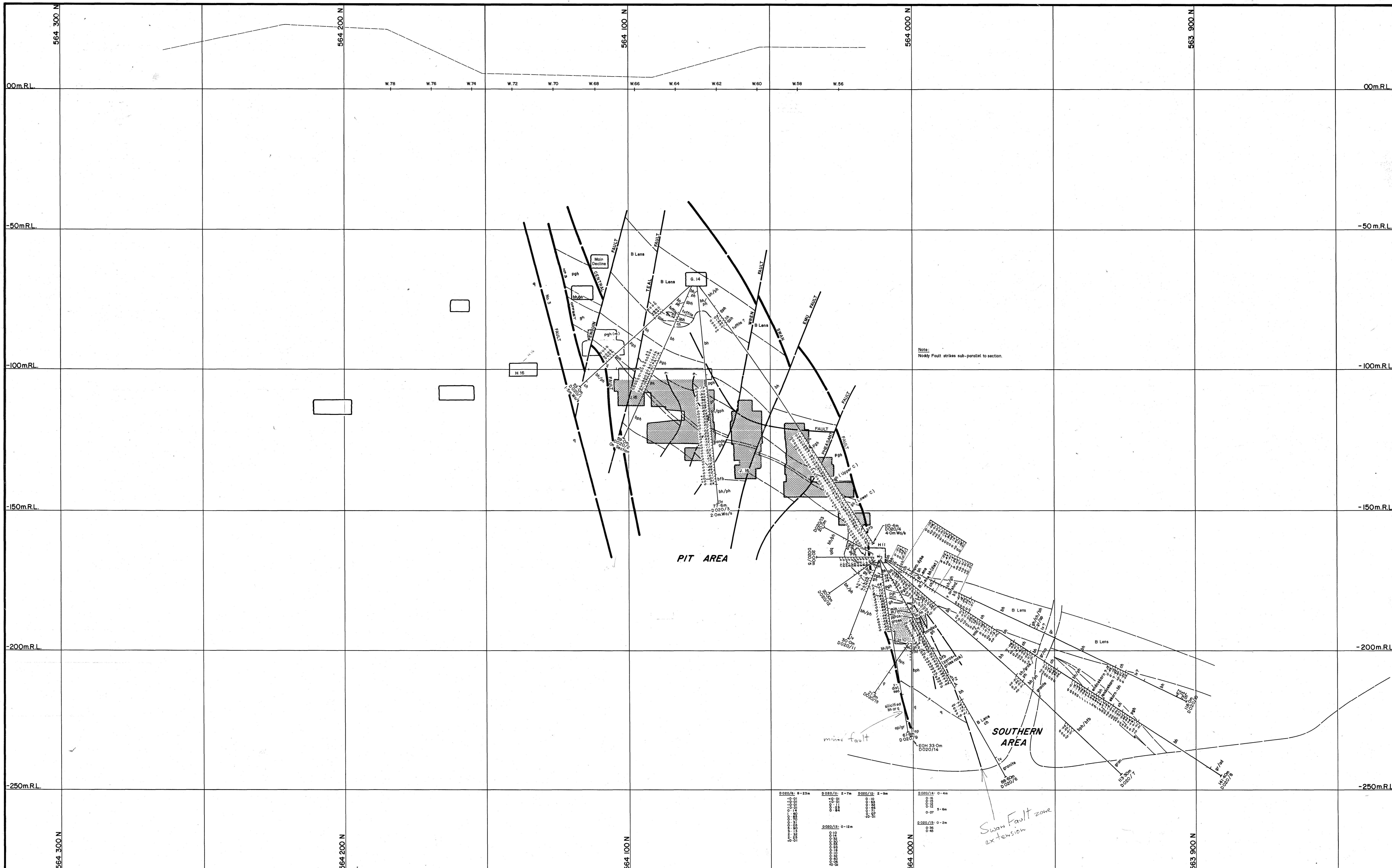
RQD %  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support  
 (after E. Miller, March, 1972)



DATE: JULY 87 RJC  
 GEOLOGIST: B.G.B.  
 DRAWN: [Signature]  
 CHECKED: [Signature]

**KING ISLAND SCHEELITE**  
 No. KG2-01-001  
**DOLPHIN MINE**  
 GEOLOGICAL CROSS-SECTION  
 220 000 E

K62-01-002  
01 220020E



Note:  
Noddy Fault strikes sub-parallel to section.

PIT AREA

SOUTHERN AREA

Swan Fault zone extension

- Legend:**
- v Upper metavolcanics
  - bh/ph Banded hornfels
  - ch Marble
  - bh Biotite hornfels
  - pgh Pyroxene garnet hornfels
  - gh Garnet hornfels
  - bh/ph Banded footwall beds
  - pgh Biotite pyroxene hornfels
  - iv Lower metavolcanics
  - a Quartzite
  - ap Aplite
  - 60 Strike and dip
  - 35 Joint, inclined
  - Joint, vertical
  - Fault
  - Degree of uncertainty in Fault position
  - Direction of bedding with respect to core axis

ROD Rock Quality Designator  
J/M Joints per Metre of recovered core

ROD %  
>90 Minimum or no support  
60-90 Intermediate support; rockbolts and one shotcrete application  
<60 Maximum support  
(after E. Miller, March, 1972)

D020/11	0-23m	D020/12	2-7m	D020/13	2-9m
0-01	0-01	0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01	0-01	0-01

D020/14	0-4m	D020/15	0-2m
0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01
0-01	0-01	0-01	0-01

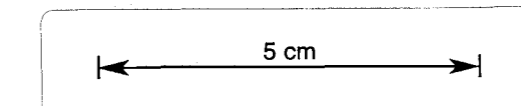
**KING ISLAND SCHEELITE**

No. K62-01-002

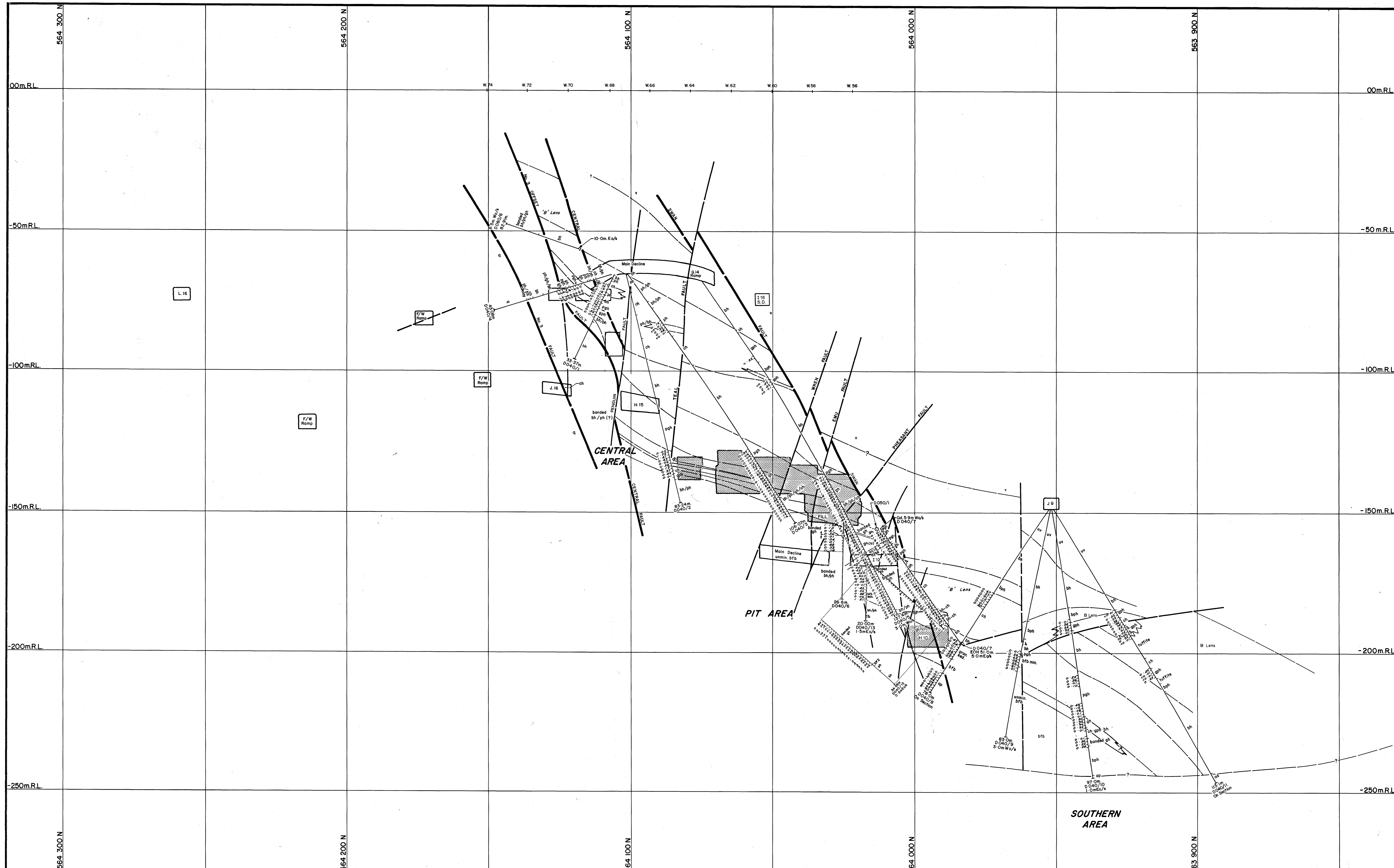
SCALE: 1:500

**DOLPHIN MINE**  
GEOLOGICAL CROSS-SECTION  
220 020 E

DATE: JULY '87  
GEOLOGIST: [Signature]  
DRAWN: [Signature]  
CHECKED: [Signature]



KG2-01-003  
01 220040E



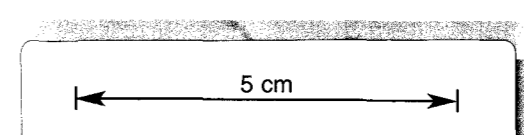
**Legend:**

Upper metavolcanics	Banded footwall beds
Banded hornfels	Biotite pyroxene hornfels
Marble	Lower metavolcanics
Biotite hornfels	Quartzite
Pyroxene garnet hornfels	Aplite
Garnet hornfels	

Strike and dip	Joint, inclined
Joint, vertical	Fault
Degree of uncertainty in Fault position	Direction of bedding with respect to core axis

RQD Rock Quality Designator  
J/M Joints per Metre of recovered core

RQD %  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support  
 (after E. Miller, March, 1972)



DATE: Dec '87  
 GEOLOGIST: b.o.b.  
 DRAWN: [Signature]  
 CHECKED: [Signature]

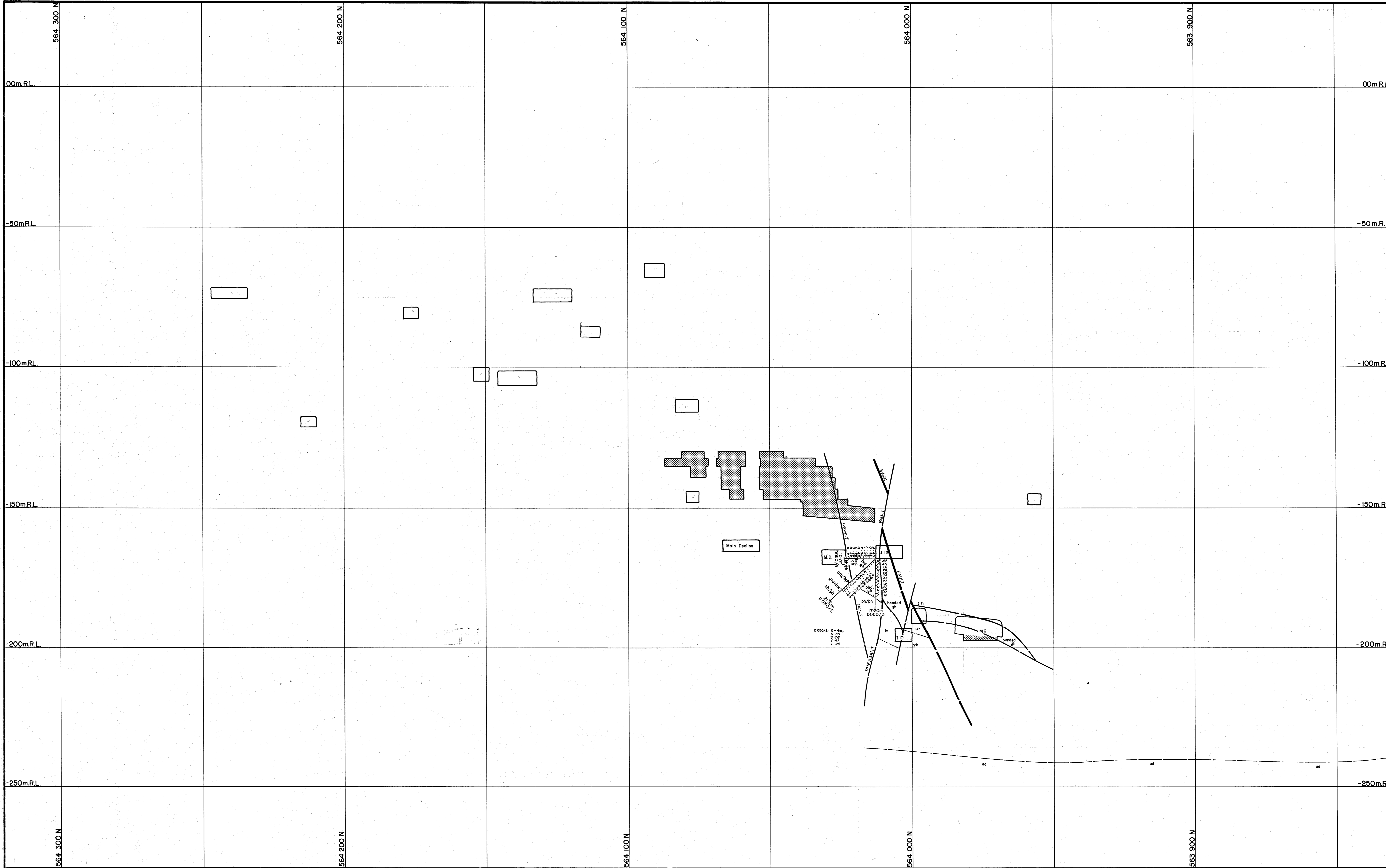
**KING-ISLAND SCHEELITE**

No. KG2-01-003

SCALE: 1:500

**DOLPHIN MINE**  
 GEOLOGICAL CROSS-SECTION  
 220 040 E

01 220 050 E



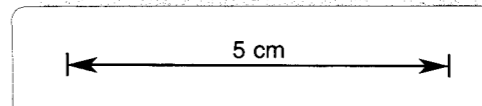
**Legend:**

	Upper metavolcanics		Banded footwall beds
	Banded hornfels		Biotite pyroxene hornfels
	Marble		Lower metavolcanics
	Biotite hornfels		Quartzite
	Pyroxene garnet hornfels		Aplite
	Garnet hornfels		

	Strike and dip
	Joint, inclined
	Joint, vertical
	Fault
	Degree of uncertainty in Fault position
	Direction of bedding with respect to core axis

RQD Rock Quality Designator  
J/M Joints per Metre of recovered core

RQD %  
>90 Minimum or no support  
60-90 Intermediate support; rockbolts and one shotcrete application  
<60 Maximum support (after E. Miller; March, 1972)



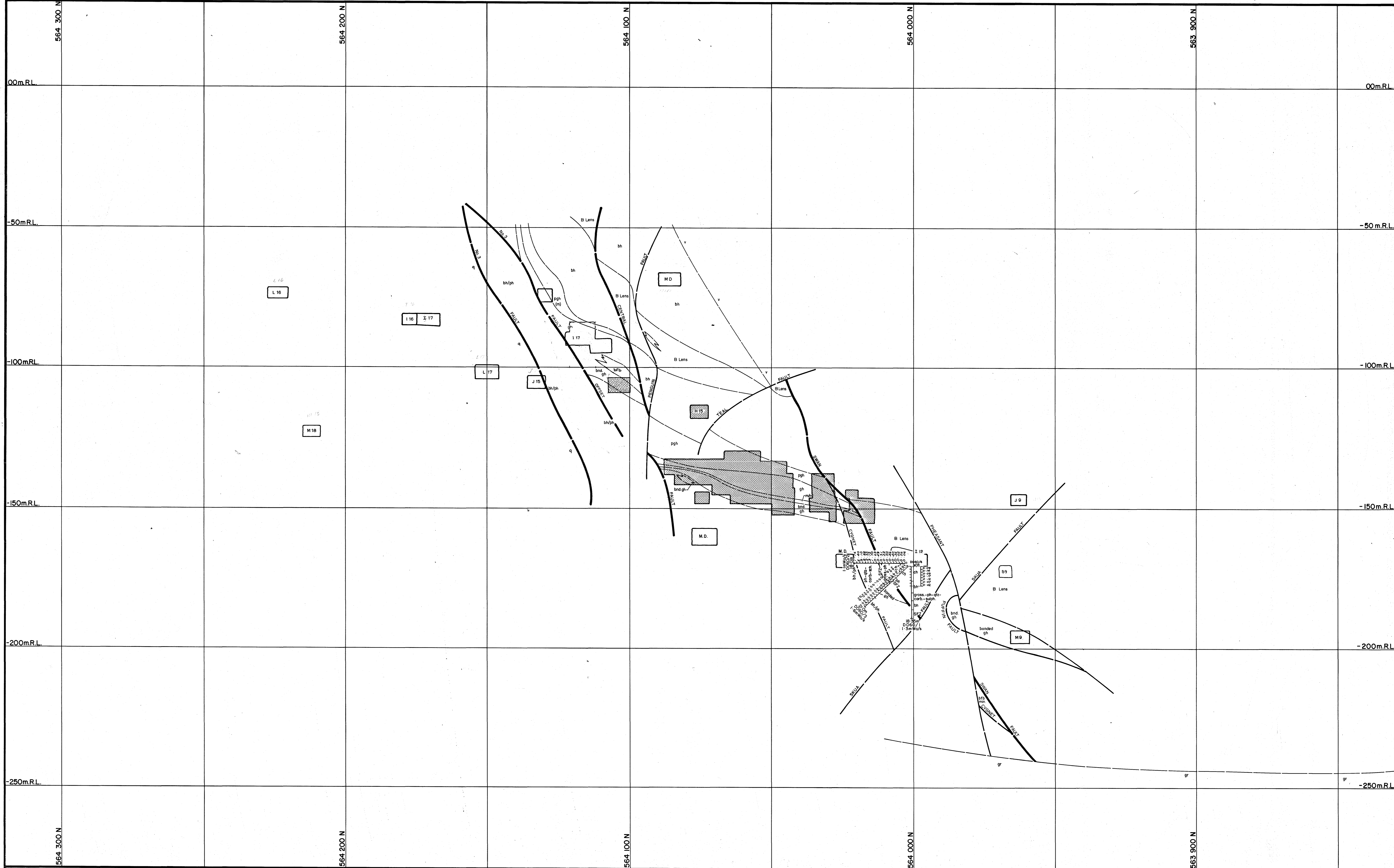
DATE: 04/27/87 BUC  
GEOLOGIST: S.S.D.  
DRAWN: [Signature]  
CHECKED: [Signature]

**KING ISLAND SCHEELITE**

No. KG2-01-003-5

DOLPHIN MINE  
GEOLOGICAL CROSS-SECTION  
220 050 E

KG2-01-004  
01 220 060 E



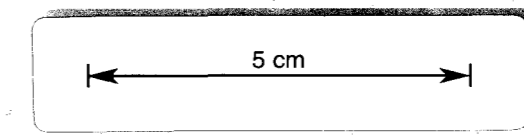
**Legend:**

Upper metavolcanics	Banded footwall beds
Banded hornfels	Biotite pyroxene hornfels
Marble	Lower metavolcanics
Biotite hornfels	Quartzite
Pyroxene garnet hornfels	Apatite
Garnet hornfels	

60° Strike and dip	Joint, inclined
Joint, vertical	Fault
Degree of uncertainty in Fault position	Direction of bedding with respect to core axis

RQD Rock Quality Designator  
J/M Joints per Metre of recovered core

RQD %  
>90 Minimum or no support  
60-90 Intermediate support; rockbolts and one shotcrete application  
<60 Maximum support  
(after E. Miller; March, 1972)



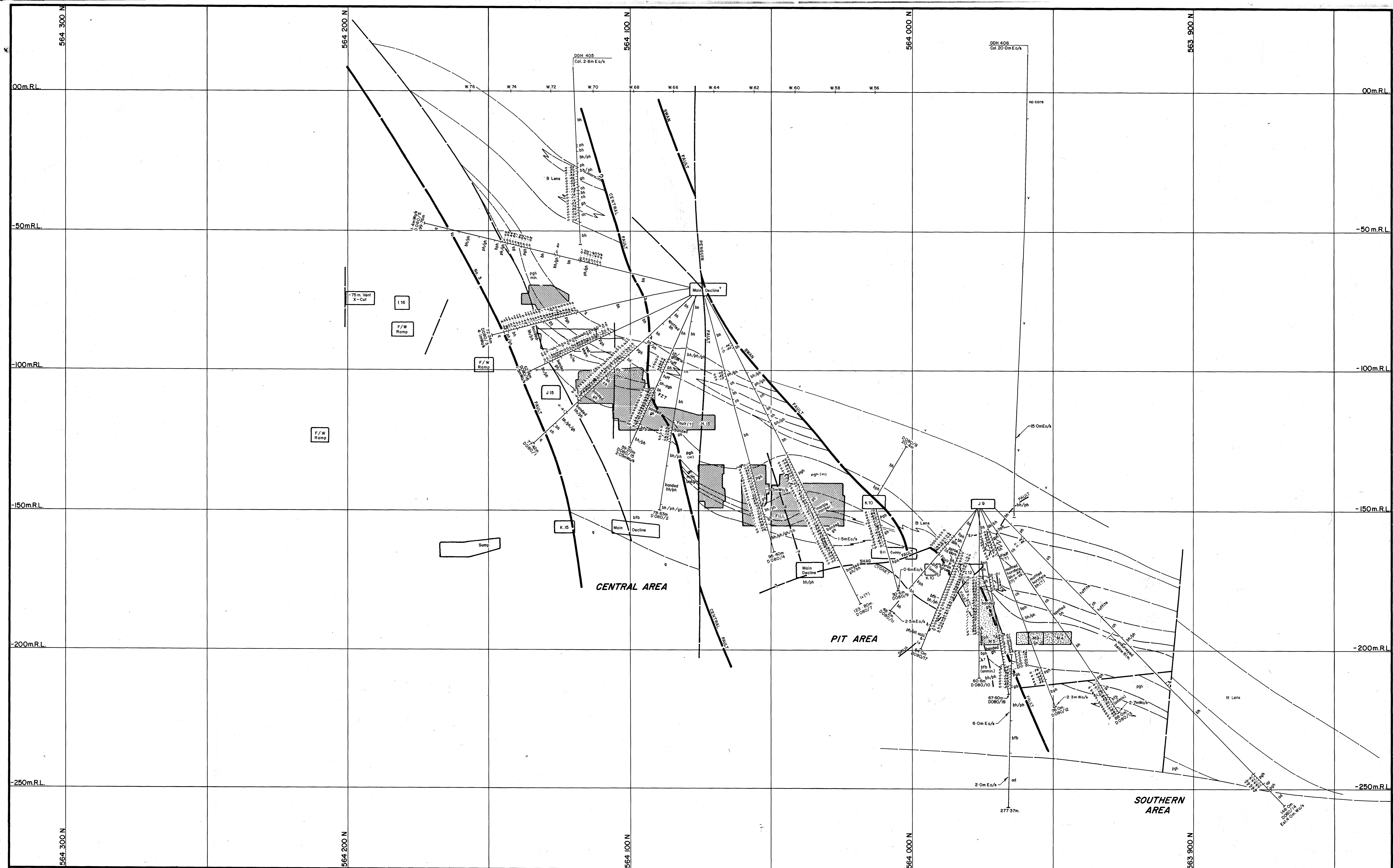
DATE: Jun '87 SJC  
GEOLOGIST: S.G.B.  
DRAWN: [Signature]  
CHECKED: [Signature]

**KING ISLAND SCHEELITE**

No. KG2-01-004

**DOLPHIN MINE**  
GEOLOGICAL CROSS-SECTION  
220 060 E

KG2-01-005  
01 220080E



**Legend:**

Upper metavolcanics	Banded fuchsil beds	Strike and dip
Banded hornfels	Biotite pyroxene hornfels	Joint, inclined
Marble	Lower metavolcanics	Joint, vertical
Biotite hornfels	Quartzite	Fault
Pyroxene garnet hornfels	Aplite	Degree of uncertainty in Fault position
Garnet hornfels		Direction of bedding with respect to core axis

RQD Rock Quality Designator  
J/M Joints per Metre of recovered core

RQD %:  
>90 Minimum or no support  
60-90 Intermediate support; rockbolts and one shotcrete application  
<60 Maximum support  
(after E. Miller; March, 1972)

**KING ISLAND SCHEELITE**

DATE: July '87  
GEOLOGIST: S.S.B.  
DRAWN: [Signature]  
CHECKED: [Signature]

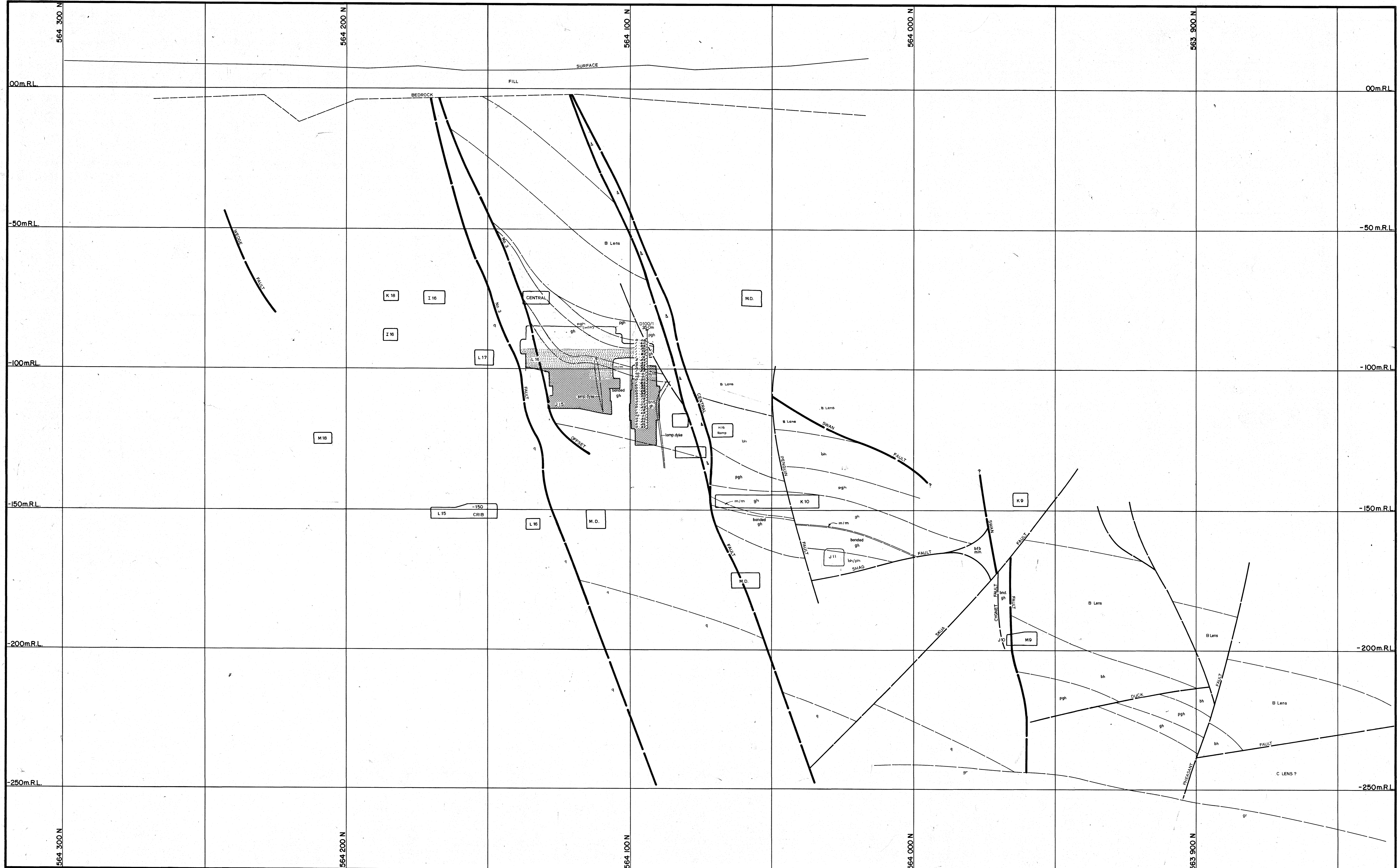
SCALE: 1:500

5 cm

**DOLPHIN MINE**  
GEOLOGICAL CROSS-SECTION  
220 080 E

No. KG2-01-005

K02-01-006  
01 220 100 E

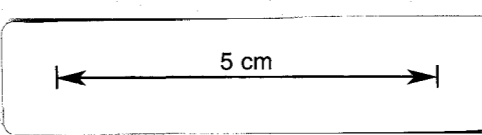


**Legend:**

Upper metavolcanics	Banded footwall beds
Banded hornfels	Biotite pyroxene hornfels
Marble	Lower metavolcanics
Biotite hornfels	Quartzite
Pyroxene garnet hornfels	Aplite
Garnet hornfels	

60° Strike and dip	RQD Rock Quality Designator
Joint, inclined	J/M Joints per Metre of recovered core
Joint, vertical	
Fault	
Degree of uncertainty in Fault position	
Direction of bedding with respect to core axis	

**RQD %:**  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support  
 (after E. Miller, March, 1972)



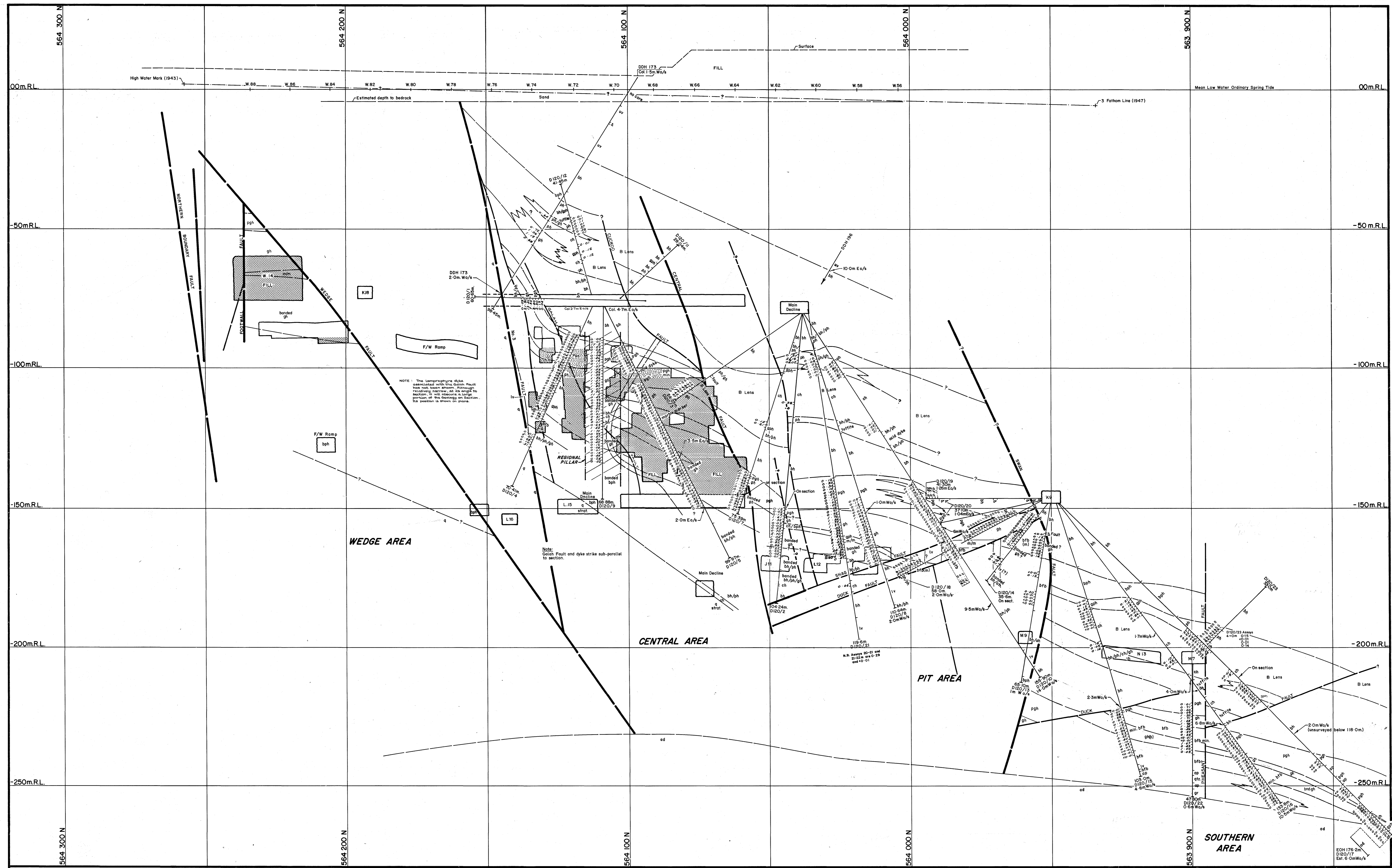
DATE: July '87 auc  
 GEOLOGIST: S.O.B.  
 DRAWN: S.O.B.  
 CHECKED: [Signature]

**KING ISLAND SCHEELITE**

No. K02-01-006

**DOLPHIN MINE**  
 GEOLOGICAL CROSS-SECTION  
 220 100 E

220120E



NOTE: The lamprophyre dyke associated with the Gatch Fault has been taken down. Although relatively narrow at its single location, it will obscure a large portion of the geology on section. Its position is shown on plan.

Note: Gatch Fault and dyke strike sub-parallel to section.

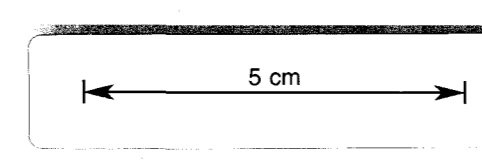
- Legend:**
- Upper metavolcanics
  - Banded hornfels
  - Marble
  - Biotite hornfels
  - Pyroxene garnet hornfels
  - Garnet hornfels

- Banded footwall beds
- Biotite pyroxene hornfels
- Lower metavolcanics
- Quartzite
- Aplite

- Strike and dip
- Joint, inclined
- Joint, vertical
- Fault
- Degree of uncertainty in Fault position
- Direction of bedding with respect to core axis

RQD Rock Quality Designator  
 J/M Joints per Metre of recovered core

RQD %  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support  
 (after E. Miller, March, 1972)

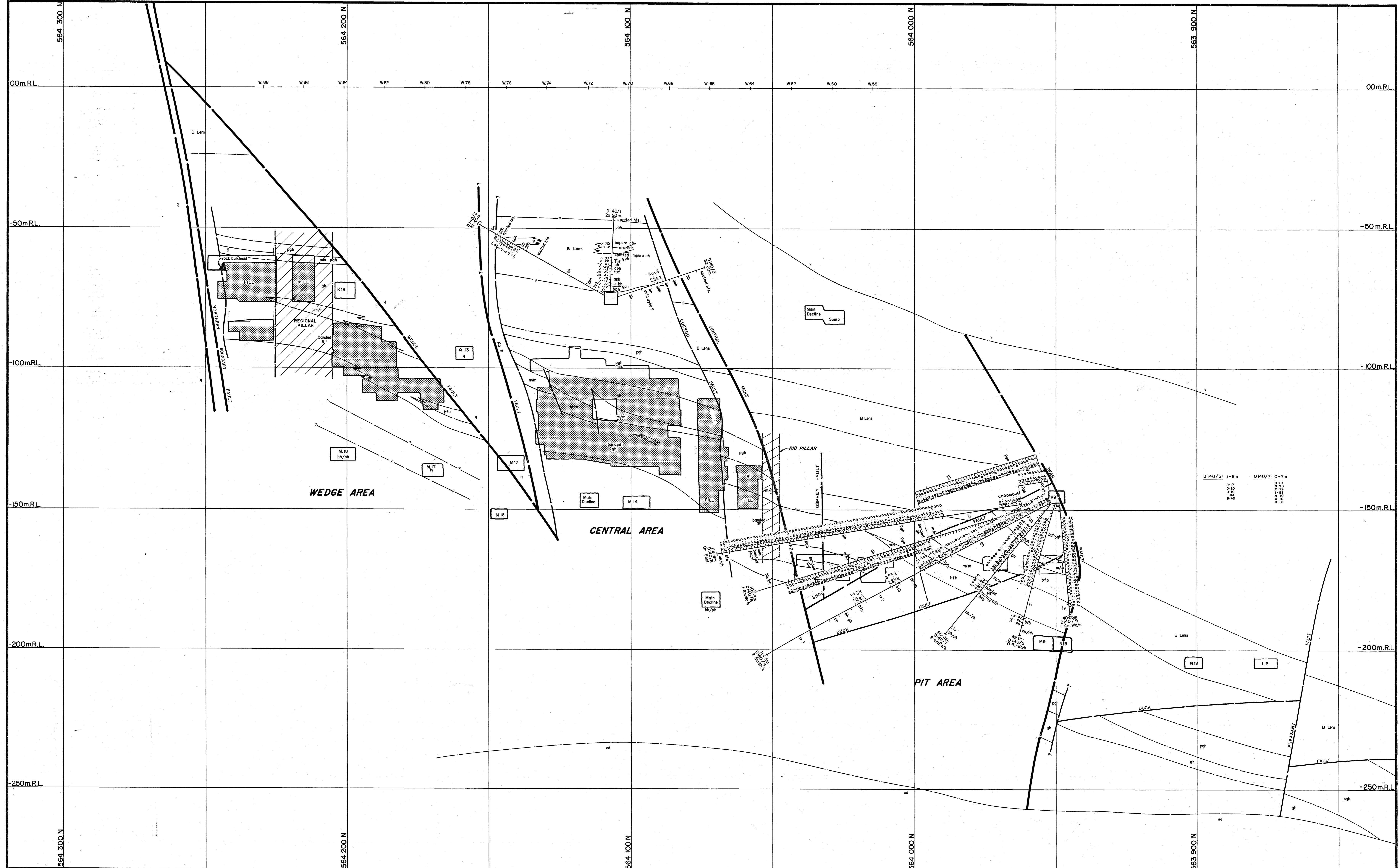


DATE: MAY '81 BUC  
 GEOLOGIST: S.G.B.  
 DRAWN: [Signature]  
 CHECKED: [Signature]

**KING ISLAND SCHEELITE**  
 No. KG2-01-007

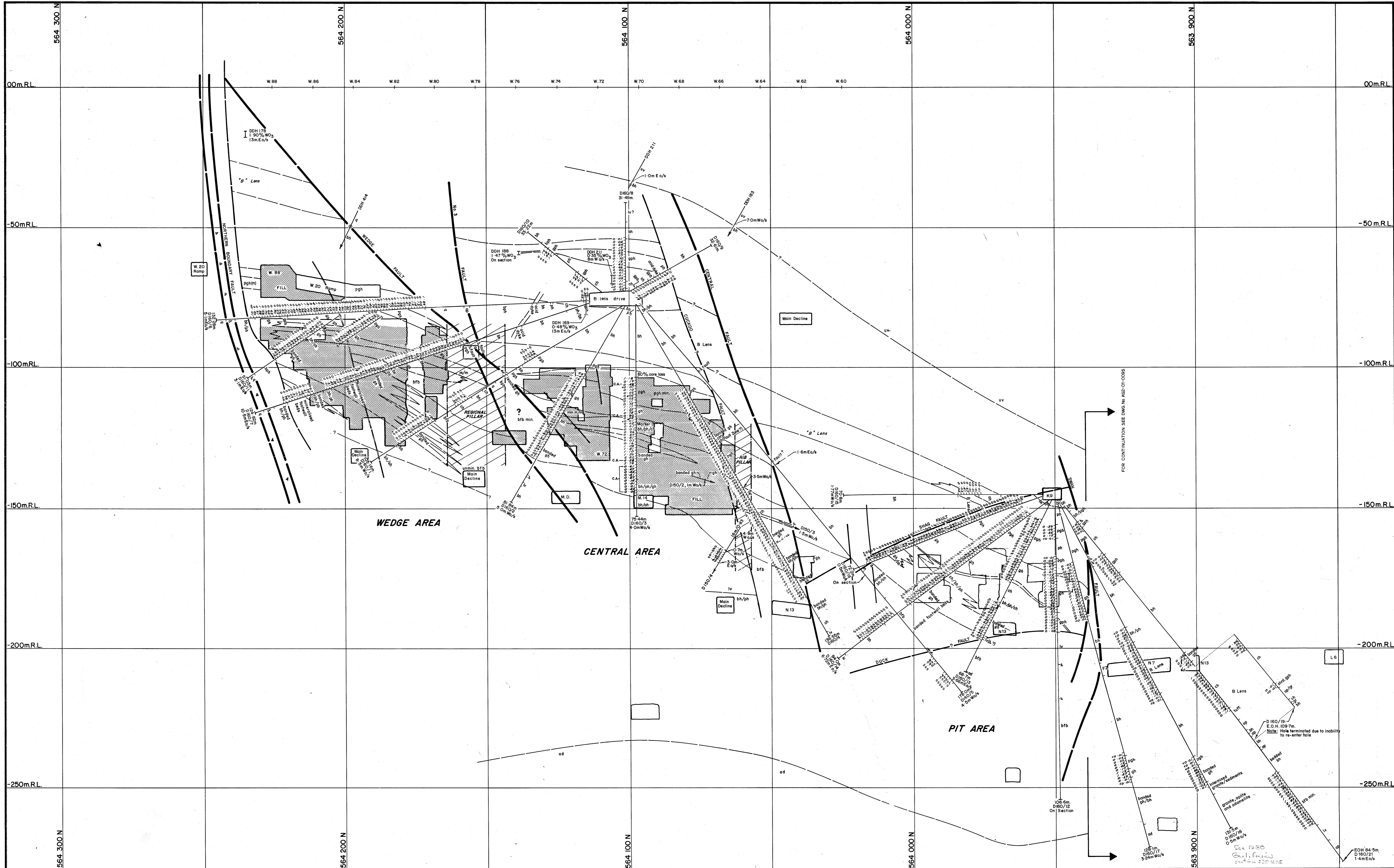
**DOLPHIN MINE**  
**GEOLOGICAL CROSS-SECTION**  
**220 120 E**

KG2-01-008  
01 220 140 E



<b>Legend:</b> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> Upper metavolcanics</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: #cccccc;"></span> Banded hornfels</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: #e0e0e0;"></span> Banded footwall beds</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: #f0f0f0;"></span> Marble</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: #d0d0d0;"></span> Biotite hornfels</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: #a0a0a0;"></span> Pyroxene garnet hornfels</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: #808080;"></span> Garnet hornfels</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: #606060;"></span> Biotite pyroxene hornfels</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: #404040;"></span> Lower metavolcanics</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: #202020;"></span> Quartzite</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: #000000;"></span> Aplitite</li> </ul>		<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> 60 Strike and dip</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> Joint, inclined</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> Joint, vertical</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> Fault</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> Degree of uncertainty in Fault position</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; background-color: white;"></span> Direction of bedding with respect to core axis</li> </ul>		<p>ROD Rock Quality Designator</p> <p>J/M Joints per Metre of recovered core</p> <p>ROD %:</p> <ul style="list-style-type: none"> <li>&gt;90 Minimum or no support</li> <li>60-90 Intermediate support; rockbolts and one shotcrete application</li> <li>&lt;60 Maximum support</li> </ul> <p>(after E. Miller; March, 1972)</p>	
<p>DATE: NOV 1984</p> <p>GEOLOGIST: S.G.B.</p> <p>DRAWN: [Signature]</p> <p>CHECKED: [Signature]</p>		<p style="text-align: center;"><b>KING ISLAND SCHEELITE</b></p> <p style="text-align: center;">SCALE: 1:500</p> <p style="text-align: center;">No. KG2-01-008</p> <p style="text-align: center;"><b>DOLPHIN MINE</b></p> <p style="text-align: center;"><b>GEOLOGICAL CROSS-SECTION</b></p> <p style="text-align: center;"><b>220 140 E</b></p>			

152-01-009  
01 220 160 E



- Legend:**
- v Upper metavolcanics
  - ph/bh Banded hornfels
  - ch Marble
  - bh Biotite hornfels
  - pgh Pyroxene garnet hornfels
  - gh Garnet hornfels

- bfb Banded footwall beds
- bph Biotite pyroxene hornfels
- lv Lower metavolcanics
- q Quartzite
- ap Apatite

- 60 Strike and dip
- 55 Joint, inclined
- Joint, vertical
- Degree of uncertainty in Fault position
- Direction of bedding with respect to core axis

RQD Rock Quality Designator  
J/M Joints per Metre of recovered core

RQD %  
>90 Minimum or no support  
60-90 Intermediate support; rockbolts and one shotcrete application  
<60 Maximum support (after E. Miller, March, 1972)

5 cm

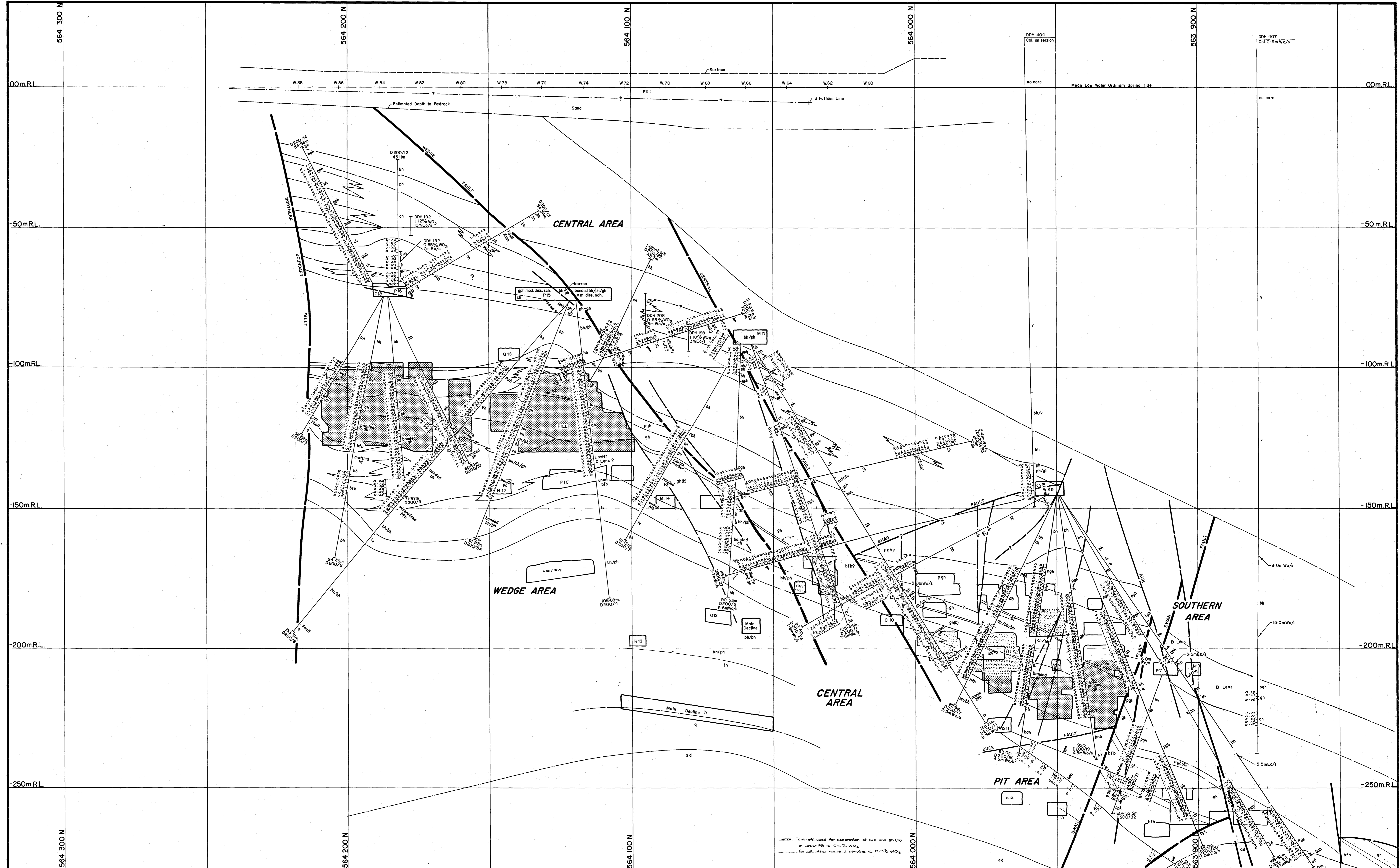
DATE: NOV 1986  
GEOLOGIST: S.G.B.  
DRAWN: [Signature]  
CHECKED: [Signature]

**KING ISLAND SCHEELITE**  
No. KG2-01-009

**DOLPHIN MINE**  
GEOLOGICAL CROSS-SECTION  
220 160 E



220 200 E  
01



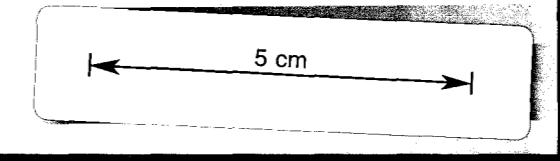
NOTE: Curved used for separation of beds and gh (b) in Lower Pit is 0.4% WO<sub>2</sub> for all other areas it remains at 0.3% WO<sub>2</sub>

- Legend:**
- v Upper metavolcanics
  - ph/bh Banded hornfels
  - ch Marble
  - bh Biotite hornfels
  - pgh Pyroxene garnet hornfels
  - gh Garnet hornfels
  - bh/cb Banded footwall beds
  - bph Biotite pyroxene hornfels
  - lv Lower metavolcanics
  - q Quartzite
  - ap Aplite

- 60 Strike and dip
- 55 Joint, inclined
- lv Joint, vertical
- Fault
- Degree of uncertainty in Fault position
- Direction of bedding with respect to core axis

RQD Rock Quality Designator  
J/M Joints per Metre of recovered core

RQD %:  
>90 Minimum or no support  
60-90 Intermediate support; rockbolts and one shotcrete application  
<60 Maximum support  
(after E. Miller; March, 1972)



**KING ISLAND SCHEELITE**

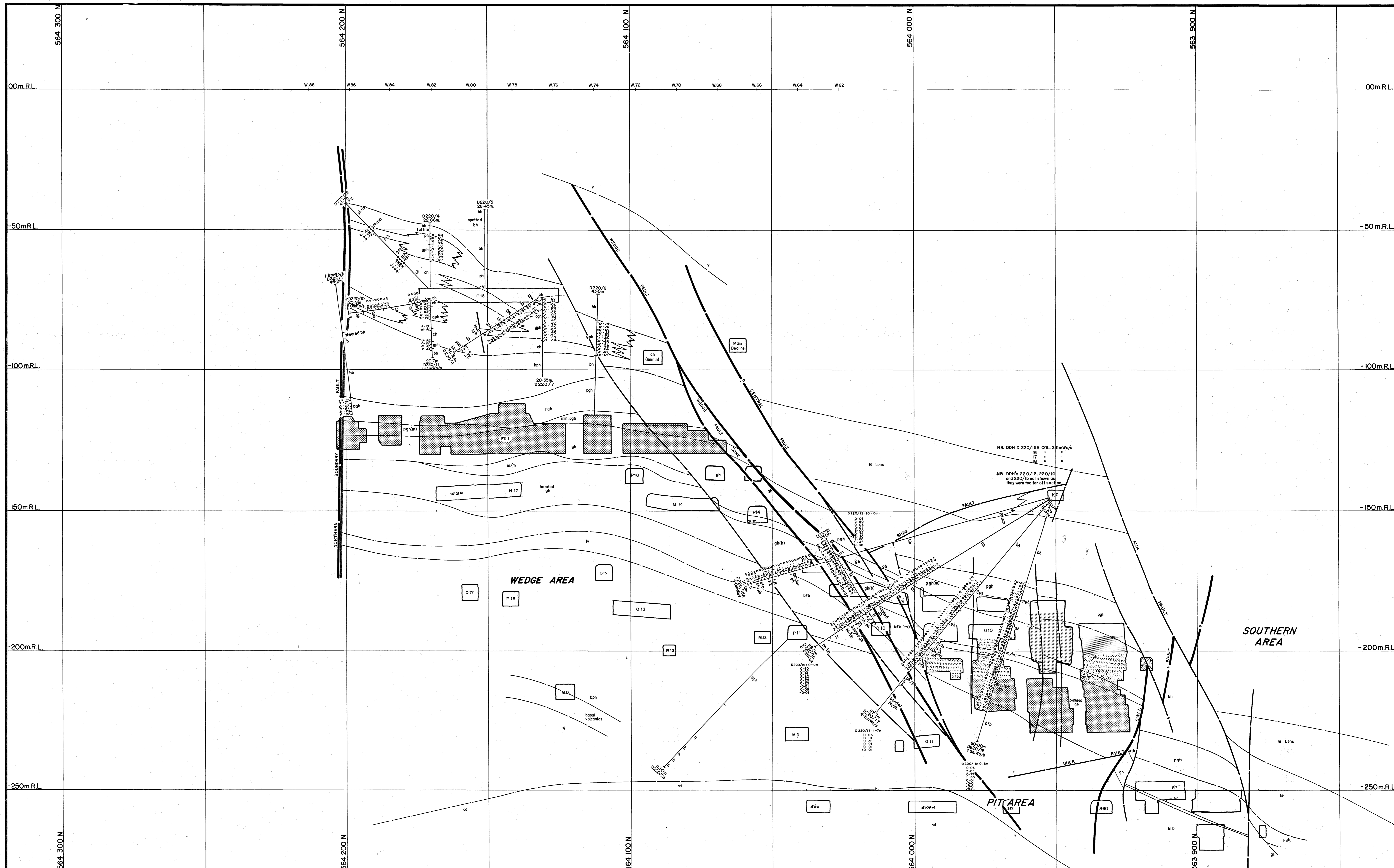
No. KG2-01-011

SCALE: 1:500

**DOLPHIN MINE**  
GEOLOGICAL CROSS-SECTION  
220 200 E

DATE: July '67  
GEOLOGIST: S.G.B.  
DRAWN: [Signature]  
CHECKED: [Signature]

01 220 220E



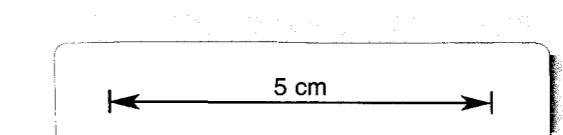
**Legend:**

	Upper metavolcanics		Banded footwall beds
	Banded hornfels		Biotite pyroxene hornfels
	Marble		Lower metavolcanics
	Biotite hornfels		Quartzite
	Pyroxene garnet hornfels		Aplite
	Garnet hornfels		

	60	Strike and dip
	25	Joint, inclined
		Joint, vertical
		Fault
		Degree of uncertainty in Fault position
		Direction of bedding with respect to core axis

RQD Rock Quality Designator  
 J/M Joints per Metre of recovered core

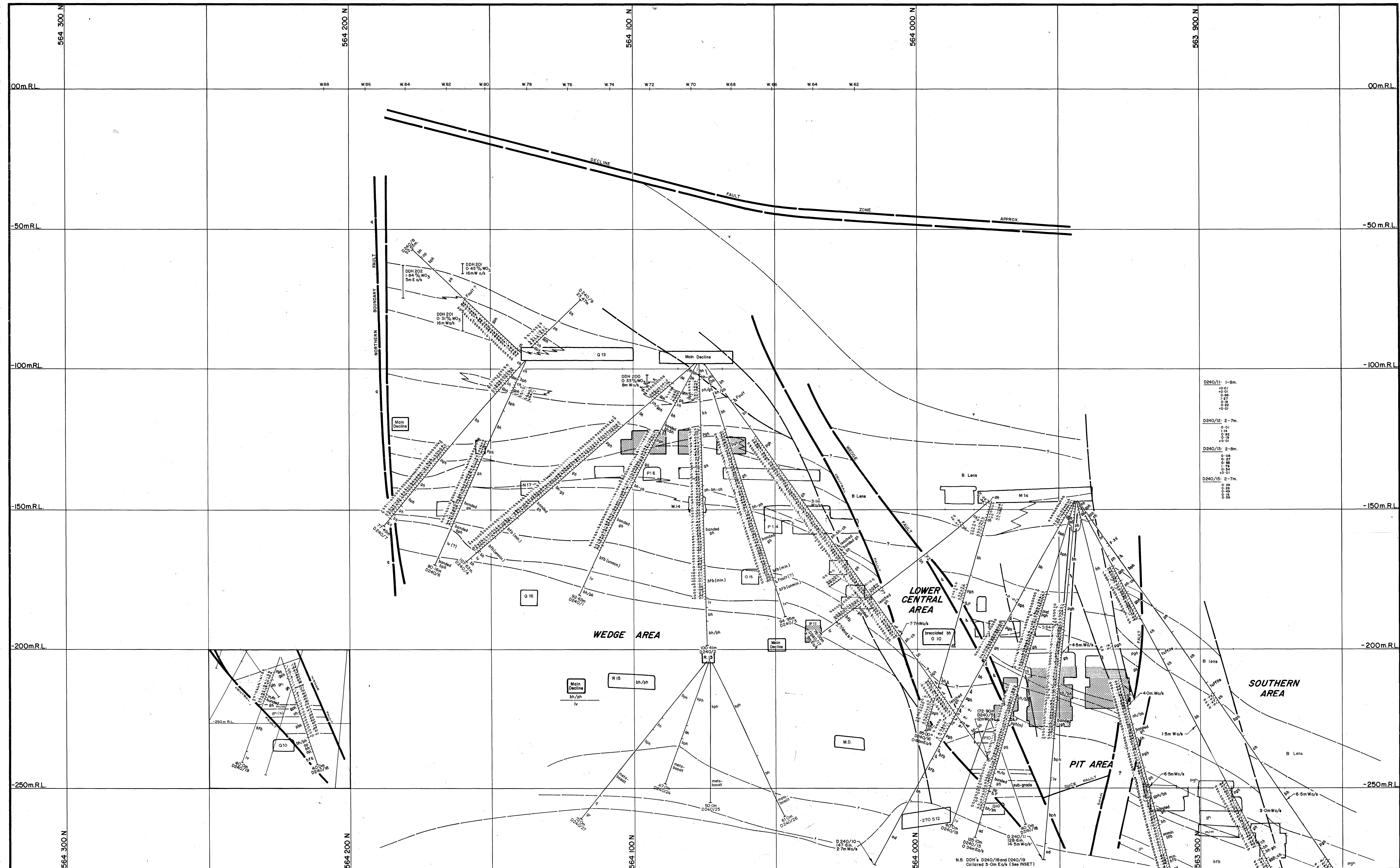
RQD %  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support  
 (after E. Miller; March, 1972)



DATE: JULY '97 SUC  
 GEOLOGIST: S.G.B.  
 DRAWN: [Signature]  
 CHECKED: [Signature]

**KING ISLAND SCHEELITE**  
 SCALE: 1:500  
 No. KG2-01-012  
**DOLPHIN MINE**  
 GEOLOGICAL CROSS-SECTION  
 220 220 E

220 240 E  
01



D240/11	1-8m	0-01
		0-01
		0-01
		0-01
		0-01
D240/12	2-7m	0-01
		0-01
		0-01
		0-01
D240/13	2-8m	0-01
		0-01
		0-01
		0-01
D240/15	2-7m	0-01
		0-01
		0-01
		0-01

<b>Legend:</b>	<b>Upper metavolcanics</b>	<b>Banded footwall beds</b>	<b>Strike and dip</b>
<b>ph/bh</b>	Banded hornfels	<b>bph</b>	Biotite pyroxene hornfels
<b>ch</b>	Marble	<b>lv</b>	Lower metavolcanics
<b>bh</b>	Biotite hornfels	<b>q</b>	Quartzite
<b>pgh</b>	Pyroxene garnet hornfels	<b>ap</b>	Asphite
<b>gh</b>	Garnet hornfels		
			<b>60</b>
			Strike and dip
			<b>55</b>
			Joint, inclined
			Joint, vertical
			Fault
			Degree of uncertainty in Fault position
			Direction of bedding with respect to core axis

**ROD** Rock Quality Designer  
 J/M Joints per Metre of recovered core  
**ROD %**  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support  
 (after E. Miller, March, 1972)

5 cm

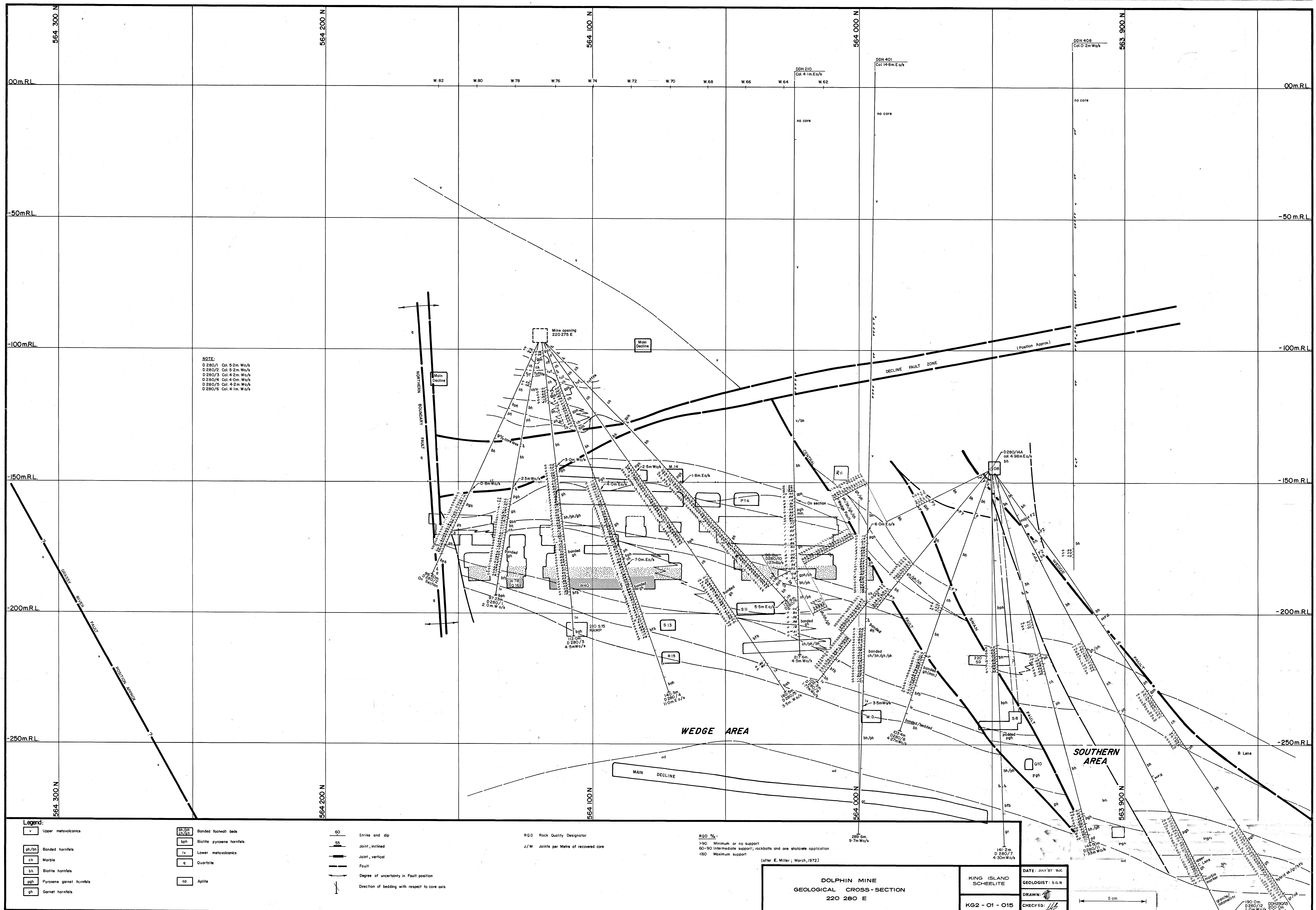
DATE: JULY 81 -BAC  
 GEOLOGIST: S.G.S.  
 DRAWN:  
 CHECKED: 116

SCALE: 1:500  
 No. K320-013

**DOLPHIN MINE**  
**GEOLOGICAL CROSS-SECTION**  
**220 240 E**



K22 01/01 E  
01 220 280 E



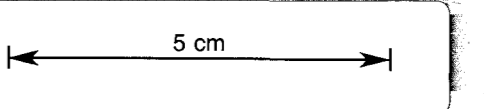
NOTE:  
 D 280/1 Col. 5.2m. Wo/s  
 D 280/2 Col. 5.2m. Wo/s  
 D 280/3 Col. 4.2m. Wo/s  
 D 280/4 Col. 4.0m. Wo/s  
 D 280/5 Col. 4.2m. Wo/s  
 D 280/6 Col. 4.1m. Wo/s

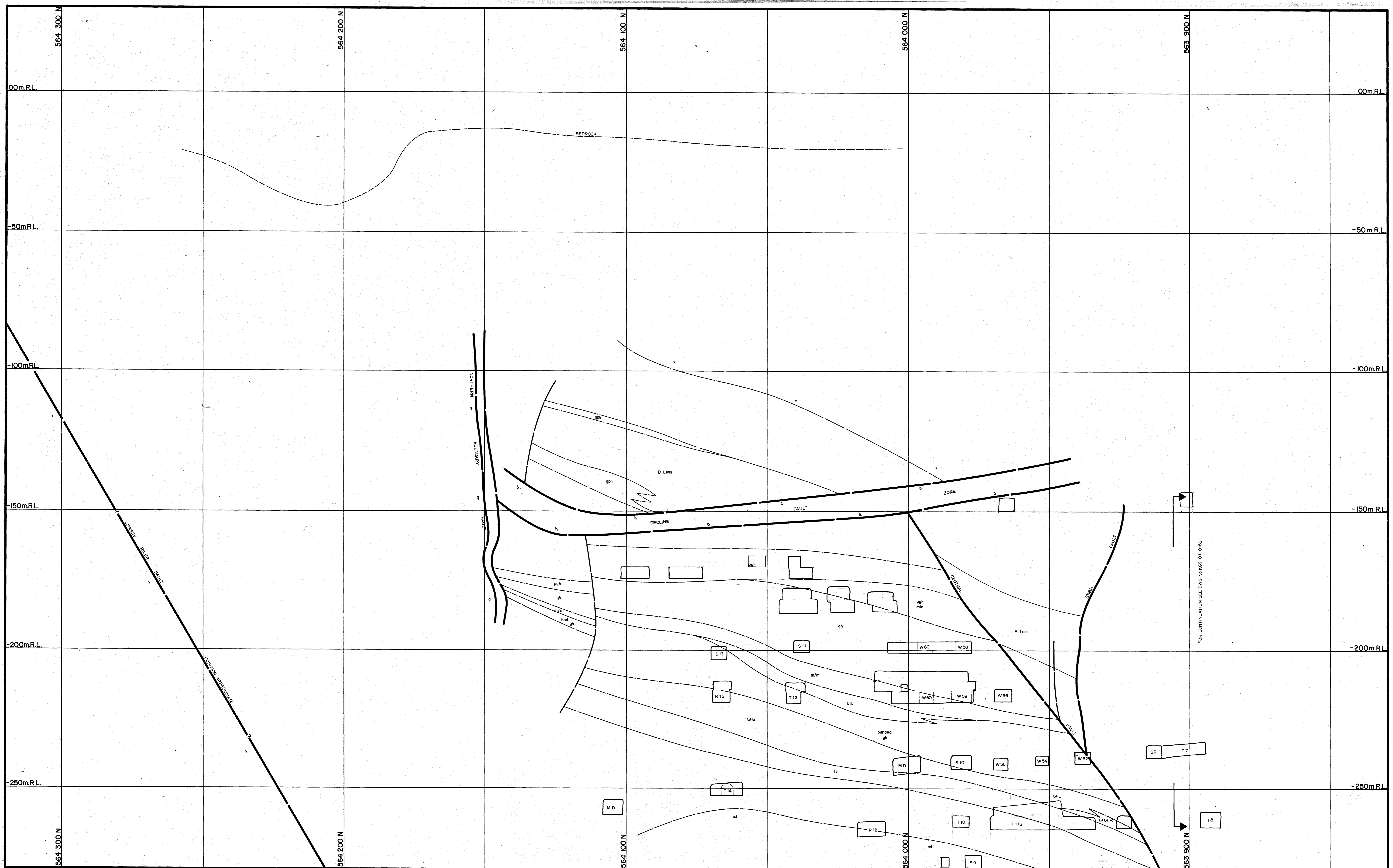
- Legend:**
- v Upper metavolcanics
  - sh/bh Banded hornfels
  - ch Marble
  - bh Biotite hornfels
  - pgh Pyroxene garnet hornfels
  - gh Garnet hornfels
  - sh/bh Banded footwall beds
  - bph Biotite pyroxene hornfels
  - lv Lower metavolcanics
  - q Quartzite
  - ap Apatite
  - 60 Strike and dip
  - 55 Joint, inclined
  - Joint, vertical
  - Fault
  - Degree of uncertainty in Fault position
  - Direction of bedding with respect to core axis

RQD Rock Quality Designator  
 J/M Joints per Metre of recovered core  
 RQD %:  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support

(After E. Miller, March, 1972)

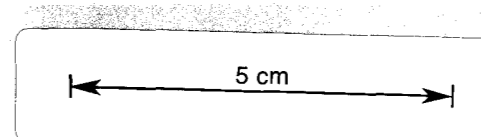
<b>DOLPHIN MINE</b> GEOLOGICAL CROSS-SECTION 220 280 E		DATE: JULY 87 BUC GEOLOGIST: S.G.B. DRAWN: [Signature] CHECKED: [Signature]
KING ISLAND SCHEELITE K62 - 01 - 015		141.2m D 280/7 4.30m Wo/s 190.0m D 280/12 1.5m Wo/s 230.0m D 280/15 2.2m Wo/s





Legend:	
	Upper metavolcanics
	Banded footwall beds
	Biotite pyroxene hornfels
	Lower metavolcanics
	Banded hornfels
	Marble
	Biotite hornfels
	Pyroxene garnet hornfels
	Garnet hornfels
	Quartzite
	Apatite
	Strike and dip
	Joint, inclined
	Joint, vertical
	Fault
	Degree of uncertainty in Fault position
	Direction of bedding with respect to core axis

RQD Rock Quality Designator  
 J/M Joints per Metre of recovered core  
 RQD %:  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support  
 (after E. Miller; March, 1972)



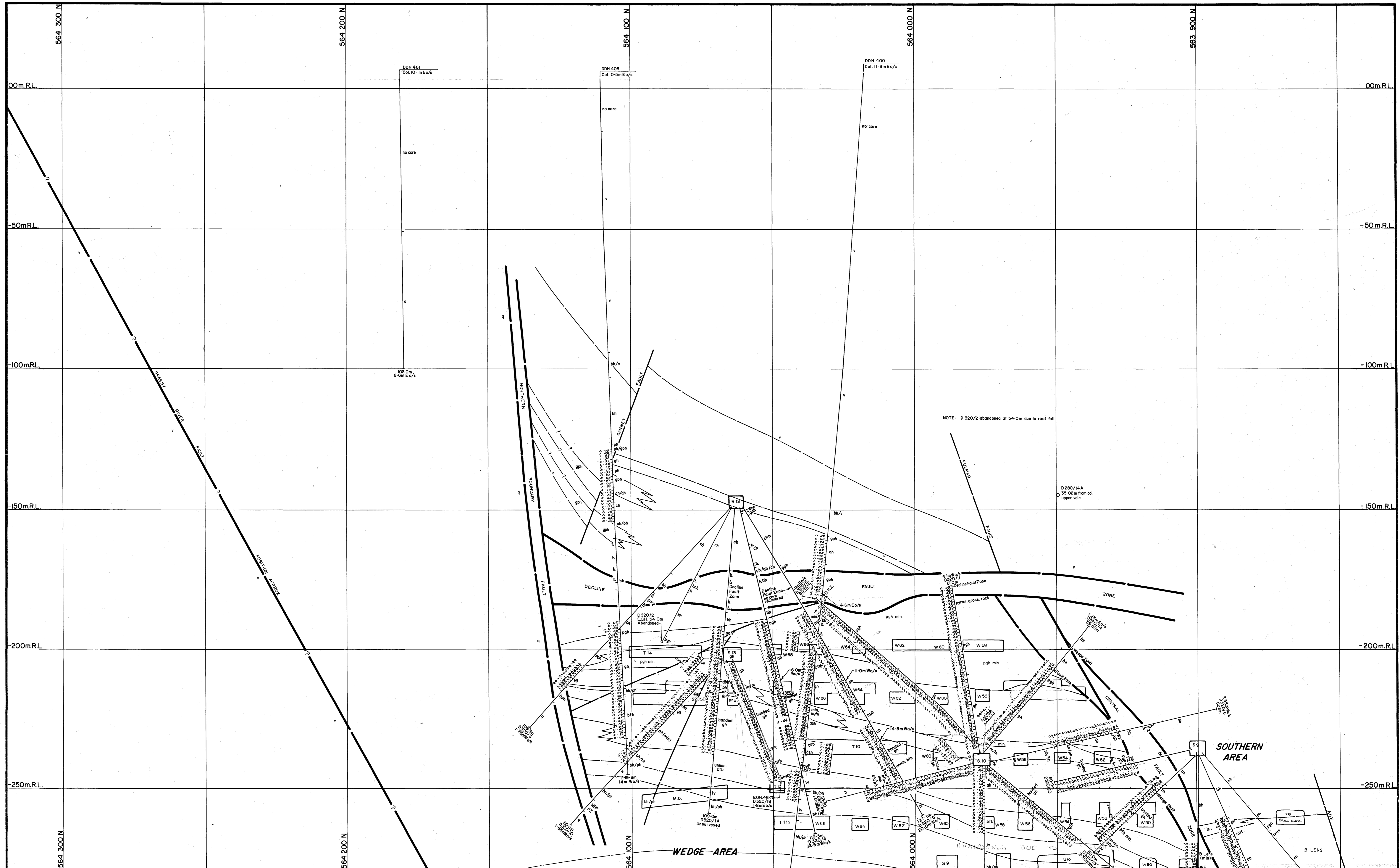
**KING ISLAND SCHEELITE**

No. KG2-01-016

**DOLPHIN MINE**  
**GEOLOGICAL CROSS-SECTION**  
**220 300 E**

DATE: NOV 1984  
 GEOLOGIST: S.G.B.  
 DRAWN: [Signature]  
 CHECKED: [Signature]

220 320 E



NOTE: D 320/2 abandoned at 54.0m due to roof fall.

D 280/14A  
36.02m from root  
upper volc.

- Legend:**
- v Upper metavolcanics
  - ph/bn Banded hornfels
  - ch Marble
  - bh Biotite hornfels
  - pgh Pyroxene garnet hornfels
  - gh Garnet hornfels

- ch/gh Banded footwall beds
- bph Biotite pyroxene hornfels
- lv Lower metavolcanics
- q Quartzite
- ap Apatite

- 60 Strike and dip
- Joint, inclined
- Joint, vertical
- Fault
- Degree of uncertainty in Fault position
- Direction of bedding with respect to core axis

ROD Rock Quality Designator  
 J/M Joints per Metre of recovered core

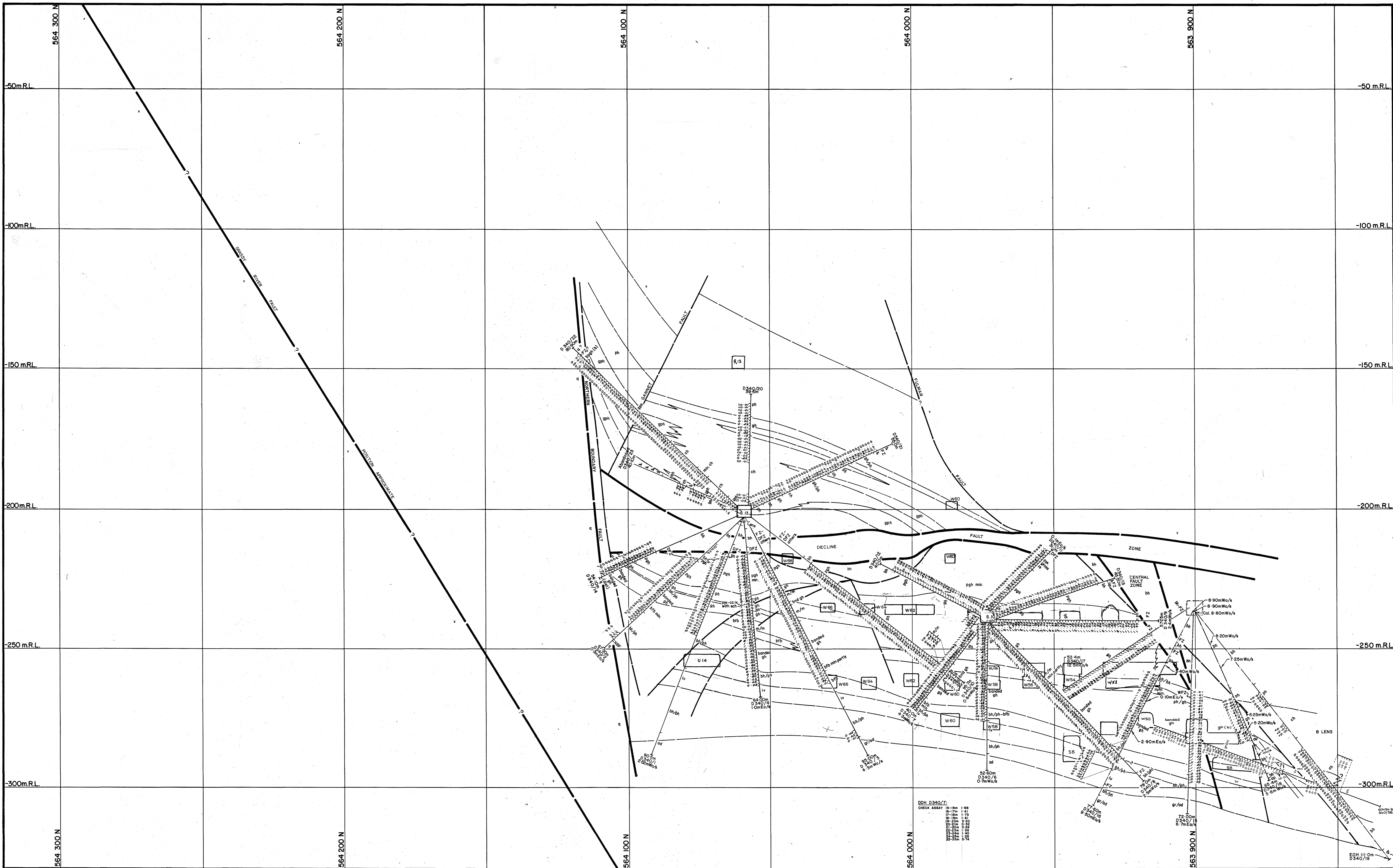
ROD %  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support  
 (after E. Miller, March, 1972)

**DOLPHIN MINE**  
**GEOLOGICAL CROSS-SECTION**  
 220 320 E

**KING ISLAND SCHEELITE**  
 DATE: Nov 1984  
 GEOLOGIST: S.G.B.  
 DRAWN: [Signature]  
 CHECKED: [Signature]

3.58m Eo/s  
 86.00m  
 D 320/16  
 04 1.7m Eo/s  
 86.00m  
 D 320/16

KG2-01-018  
01 220 340 E



- Legend:**
- v Upper metavolcanics
  - ph/bh Banded hornfels
  - ch Marble
  - bh Biotite hornfels
  - pgh Pyroxene garnet hornfels
  - gh Garnet hornfels

- bph Banded footwall beds
- bph Biotite pyroxene hornfels
- lv Lower metavolcanics
- q Quartzite
- ap Aplite

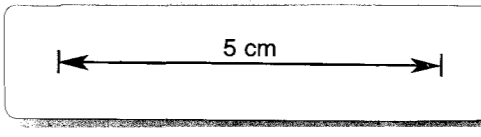
- 60 Strike and dip
- 55 Joint, inclined
- Joint, vertical
- Fault
- Degree of uncertainty in Fault position
- Direction of bedding with respect to core axis

RQD Rock Quality Designator  
J/M Joints per Metre of recovered core

RQD %  
>90 Minimum or no support  
60-90 Intermediate support; rockbolts and one shotcrete application  
<60 Maximum support.  
(after E. Miller, March, 1972)

D340/Z1

15-16m	1:88
17-18m	1:81
19-20m	1:73
21-22m	0:52
23-24m	1:28
25-26m	1:40
27-28m	1:58
29-30m	1:58

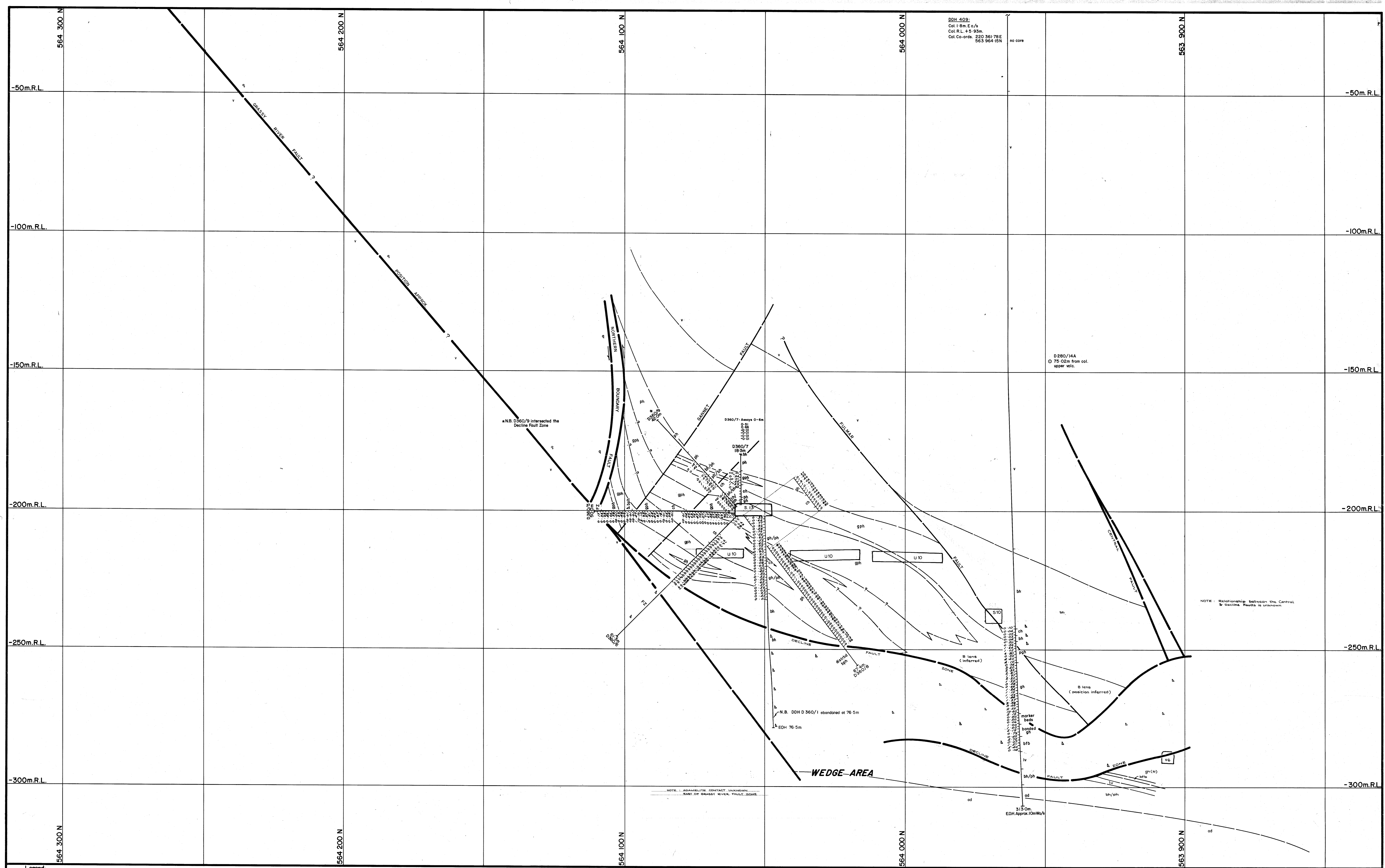


**DATE:** NOV 1984  
**GEOLOGIST:** [Signature]  
**DRAWN:** [Signature]  
**CHECKED:** [Signature]

**KING ISLAND SCHEELITE**  
No. KG2-01-018

**DOLPHIN MINE**  
**GEOLOGICAL CROSS-SECTION**  
220 340 E

KG2-01-019  
01 220 360 E



DDH 409:  
Col 1 8m E o/s  
Col R.L. +5.93m  
Col. Co-ords. 220 361 78 E  
563 964 15 N

D 280/14A  
O 75-82m from col.  
upper volc.

NOTE: Relationship between the Central & Decline Faults is unknown

NOTE: ADMANILITE CONTACT UNKNOWN, EAST OF GRASSY RIVER FAULT ZONE

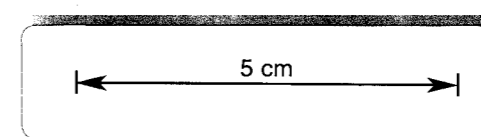
- Legend:**
- v Upper metavolcanics
  - ph/bh Banded hornfels
  - ch Marble
  - bh Biotite hornfels
  - gph Pyroxene garnet hornfels
  - gh Garnet hornfels

- bn/gh Banded footwall beds
- bph Biotite pyroxene hornfels
- lv Lower metavolcanics
- q Quartzite
- sp Aplite

- 60 Strike and dip
- 55 Joint, inclined
- Joint, vertical
- Fault
- Degree of uncertainty in Fault position
- Direction of bedding with respect to core axis

ROD Rock Quality Designator  
J/M Joints per Metre of recovered core

ROD %:  
>90 Minimum or no support  
60-90 Intermediate support; rockbolts and one shotcrete application  
<60 Maximum support  
(after E. Miller, March, 1972)



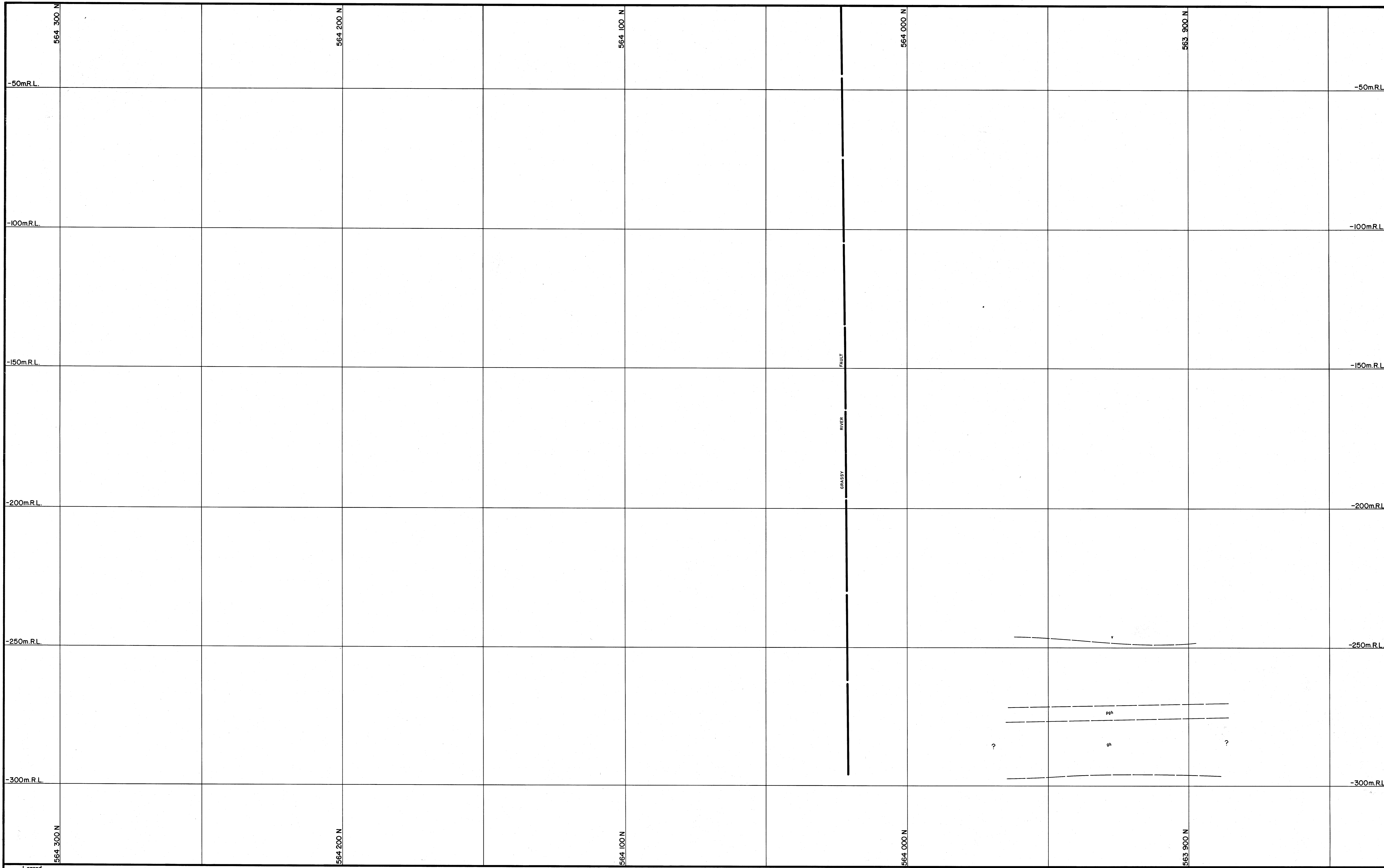
DATE: JULY 91 INC  
GEOLOGIST: S.G.B.  
DRAWN: [Signature]  
CHECKED: [Signature]

**KING ISLAND SCHEELITE**

No. KG2-01-019

**DOLPHIN MINE  
GEOLOGICAL CROSS-SECTION  
220 360 E**

KG2-01-021  
OI 220 400 E



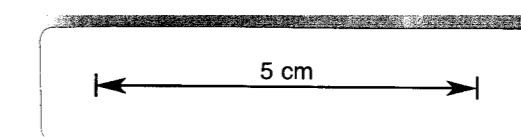
**Legend:**  
 v Upper metavolcanics  
 ph/bh Banded hornfels  
 ch Marble  
 bh Biotite hornfels  
 pph Pyroxene garnet hornfels  
 gh Garnet hornfels

Banded footwall beds  
 bph Biotite pyroxene hornfels  
 lv Lower metavolcanics  
 q Quartzite  
 ap Aplite

60 Strike and dip  
 55 Joint, inclined  
 Joint, vertical  
 Fault  
 Degree of uncertainty in Fault position  
 Direction of bedding with respect to core axis

RQD Rock Quality Designator  
 J/M Joints per Metre of recovered core

RQD %  
 >90 Minimum or no support  
 60-90 Intermediate support; rockbolts and one shotcrete application  
 <60 Maximum support  
 (after E. Miller; March, 1972)



DATE:  
 GEOLOGIST:  
 DRAWN:  
 CHECKED:

**KING ISLAND SCHEELITE**  
 SCALE: 1:500  
 No. KG2-01-021  
**DOLPHIN MINE**  
**GEOLOGICAL CROSS-SECTION**  
**220 400 E**