5359000
5358000
5357000
5356000
5355500

NOTES

Position of elements.

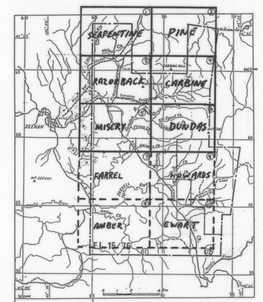
Anomalous value e.g. Pb.

N.B.
Other elements may be indicated in place of usual elements.
e.g. = Tin and Chromium anomaly (no lead).

THRESHOLDS

Cu ≥	35 p.p.m.	Ni ≥	500 p.p.m.
Pb ≥	100 p.p.m.	Co ≥	100 p.p.m.
Zn ≥	150 p.p.m.	Cr ≥	100 p.p.m.
Sn ≥	50 p.p.m.	W ≥	50 p.p.m.

See plan 1a for data source.



MAP AREA

0-0 0-5 Km
SCALE 1:5000

5 cm

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

CSR LIMITED - AM & C DIVISION

E.L. 15/76

HOWARDS

Stream Sediment Anomaly Locations: Cu, Pb, Zn, and Sn.

DATE: 22-JAN-85 | PLAN NO. 7602 - 159

93060

N

5390000
5385000
5380000
5375000
5370000
5365000

NOTES

Position of elements.

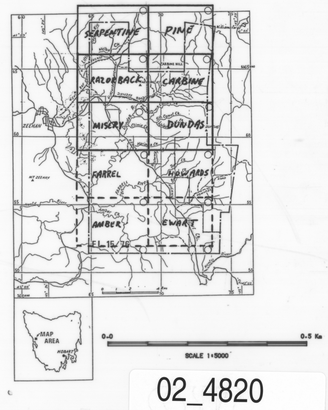
Anomalous value e.g. Au.

N.B.
Other elements may be indicated in place of usual elements.
e.g. ✱ = Bismuth and Cadmium anomaly (no Gold).

THRESHOLDS

Ag ≥	2 p.p.m.	Bi ≥	10 p.p.m.
Au ≥	0.1 p.p.m.	Ni ≥	500 p.p.m.
As ≥	10 p.p.m.	Co ≥	100 p.p.m.
		Cr ≥	100 p.p.m.
		W ≥	50 p.p.m.

See plan number 1a for data sources.



0-0 0-5 Km
SCALE 1:5000

5 cm

02_4820
Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

CSR LIMITED - AM & C DIVISION

E.L. 15/76

HOWARDS

Stream Sediment Anomaly Locations: Ag, Au, As and Other.

DATE: 22-JAN-85 | PLAN NO. 7602-160

NOTES

Position of elements.

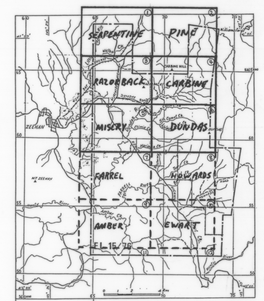
Anomalous value e.g. Pb.

N.B.
Other elements may be indicated in place of usual elements.
e.g. Pb = Tin and Chromium anomaly (no lead).

THRESHOLDS

Cu ≥	100 p.p.m.	Ni ≥	1,000 p.p.m.
Pb ≥	200 p.p.m.	Co ≥	300 p.p.m.
Zn ≥	500 p.p.m.	Cr ≥	30 %
Sn ≥	150 p.p.m.	W ≥	100 p.p.m.

See plan number 3a for data source.



0-0 0-5 Km

SCALE 1:5000

5 cm

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited"
Ellis, P.D. EL15/1976

CSR LIMITED - AM & C DIVISION

E.L. 15/76

HOWARDS

Planned Concentrate Anomaly Locations: Cu, Pb, Zn and Sn.

DATE: 22-JAN-85 | PLAN NO. 7002 - 161

93-692

5395000
5385000
5375000
5365000

NOTES

Position of elements.

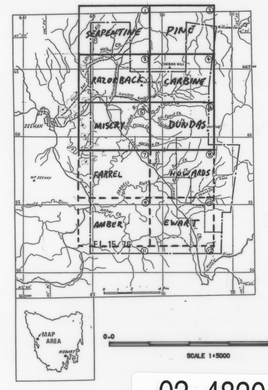
Anomalous value. e.g. Au.

N.B.
Other elements may be indicated in place of usual elements.
e.g.
Bi, Bismuth and Tungsten anomaly (no Gold).

THRESHOLDS

Ag ≥	2 p.p.m.	Bi ≥	50 p.p.m.
Au ≥	0.5 p.p.m.	Mo ≥	1,000 p.p.m.
As ≥	50 p.p.m.	Co ≥	300 p.p.m.
		Cr ≥	30 %
		W ≥	100 p.p.m.

See plan 1a for data source.



0.0 0.5 Km
SCALE 1:5000

5 cm

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited"
Ellis, P.D. EL15/1976

CSR LIMITED - AM & C DIVISION

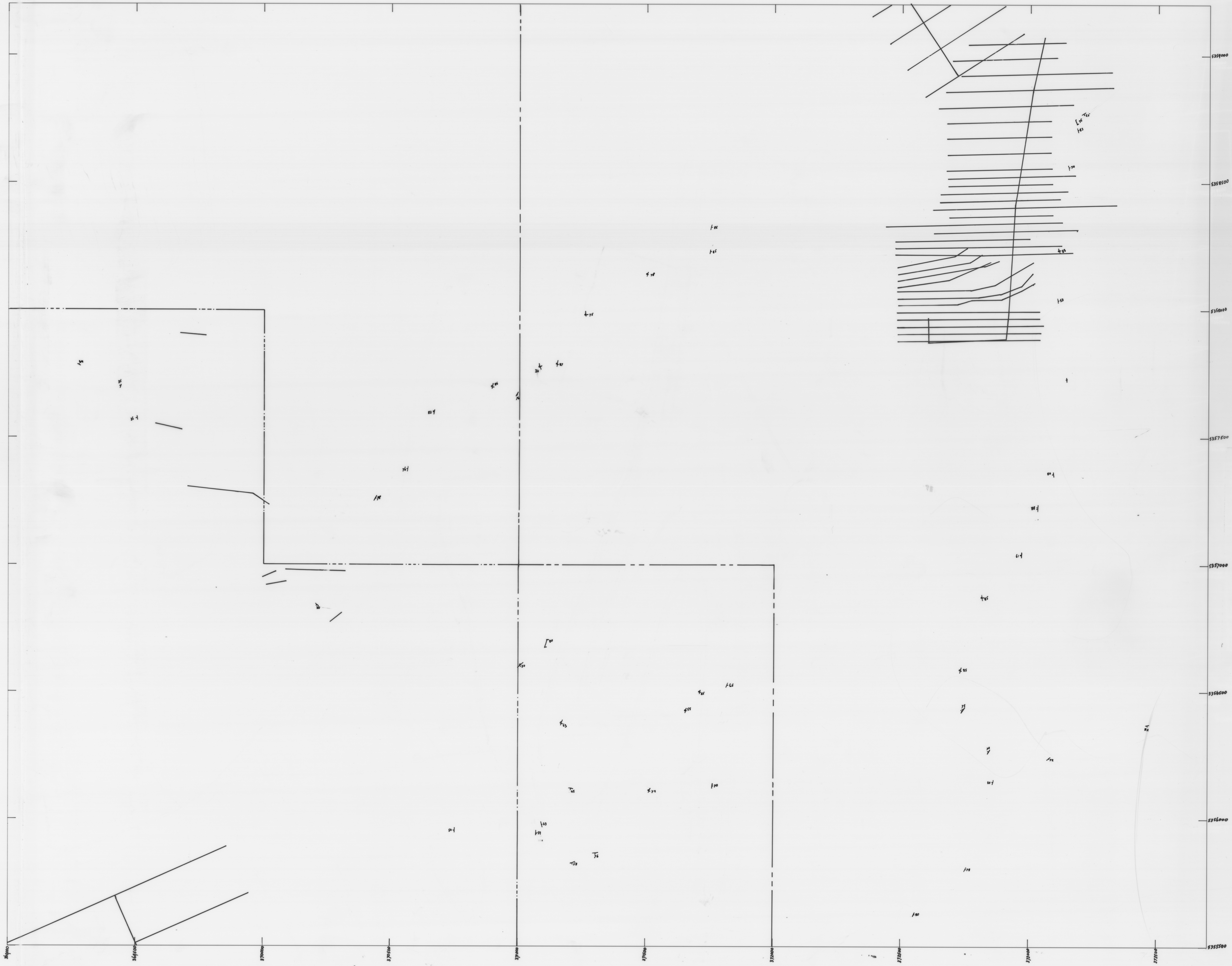
E.L. 15/76

HOWARDS

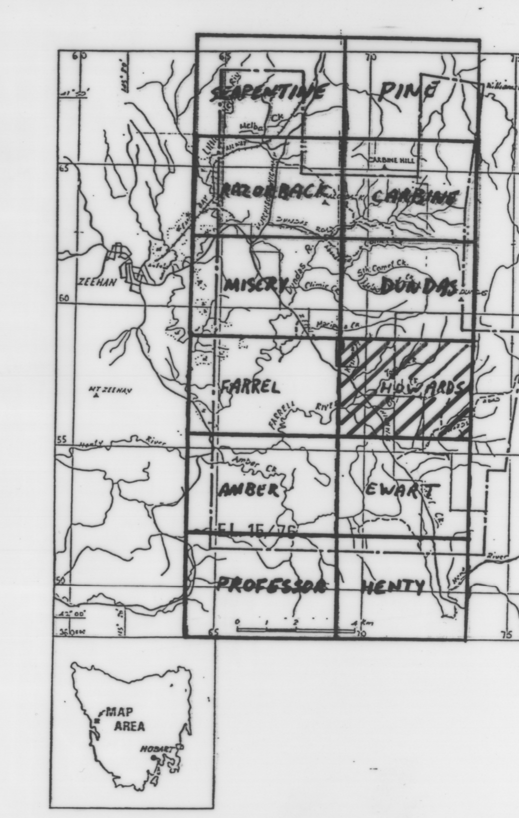
Panned Concentrate Anomaly Locations: Ag, Au, As and other.

DATE: 22-JAN-85 | PLAN NO. 7602-162

9069



Bedding - facing unknown - strike and dip
" - " known - " " "
" - overturned - " " "
Cleavage - " " "
Layering " " "



0.0 0.1 0.2 0.3 0.4 0.5 Km
SCALE 1:5000

02_4820
Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976
5 cm

CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

CSR LIMITED - MEDG	
HOWARDS GEOLOGICAL FACT EL15/76 DUNDAS	
SCALE : 1:5000 AUTHOR : DATE : 15-JUL-85 REVISED :	DRG No. 7602-163

Df Florance Quartzite
Sac Central Creek Siltstone
Sk Keel Quartzite
Sa Amber Slate
Sc Crotty Quartzite
Og Gordon Limestone
E Cambrian - undifferentiated (Dundas Group)
EDRs " " greywacke-mudstone-conglomerate-tuff
EDRq Quartzite-siltstone-mudstone
EDRc Conglomerate
EHRs Howards Road greywacke-siltstone-tuff

N

5358000
5358500
5357500
5357000
5356500
5356000
5355500

SCALE 1:5000

02_4820

Past Exploration within the area of EL 15/1976 -
Dundas
CSR Limited*
Ellis, P.D. EL15/1976

5 cm

CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

CSR LIMITED - MEDG

HOWARDS
GEOLOGICAL INTERPRETATION
EL15/76 DUNDAS

SCALE = 1:5000	DRG No.
AUTHOR =	7602-164
DATE = 15-JUL-85	
REVISED =	

5358000

5358500

5359000

5357500

5357000

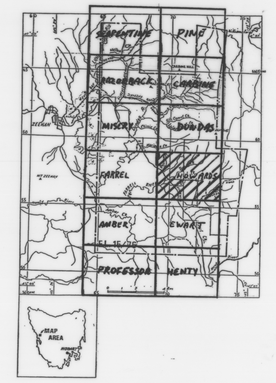
5356500

5356000

5355500

VLF-EM 1ST DERIVATIVES contours (Graphtek Fit/60)

N



0.0 0.1 0.2 0.3 0.4 0.5 Km

SCALE 1:10000

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

5 cm

CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

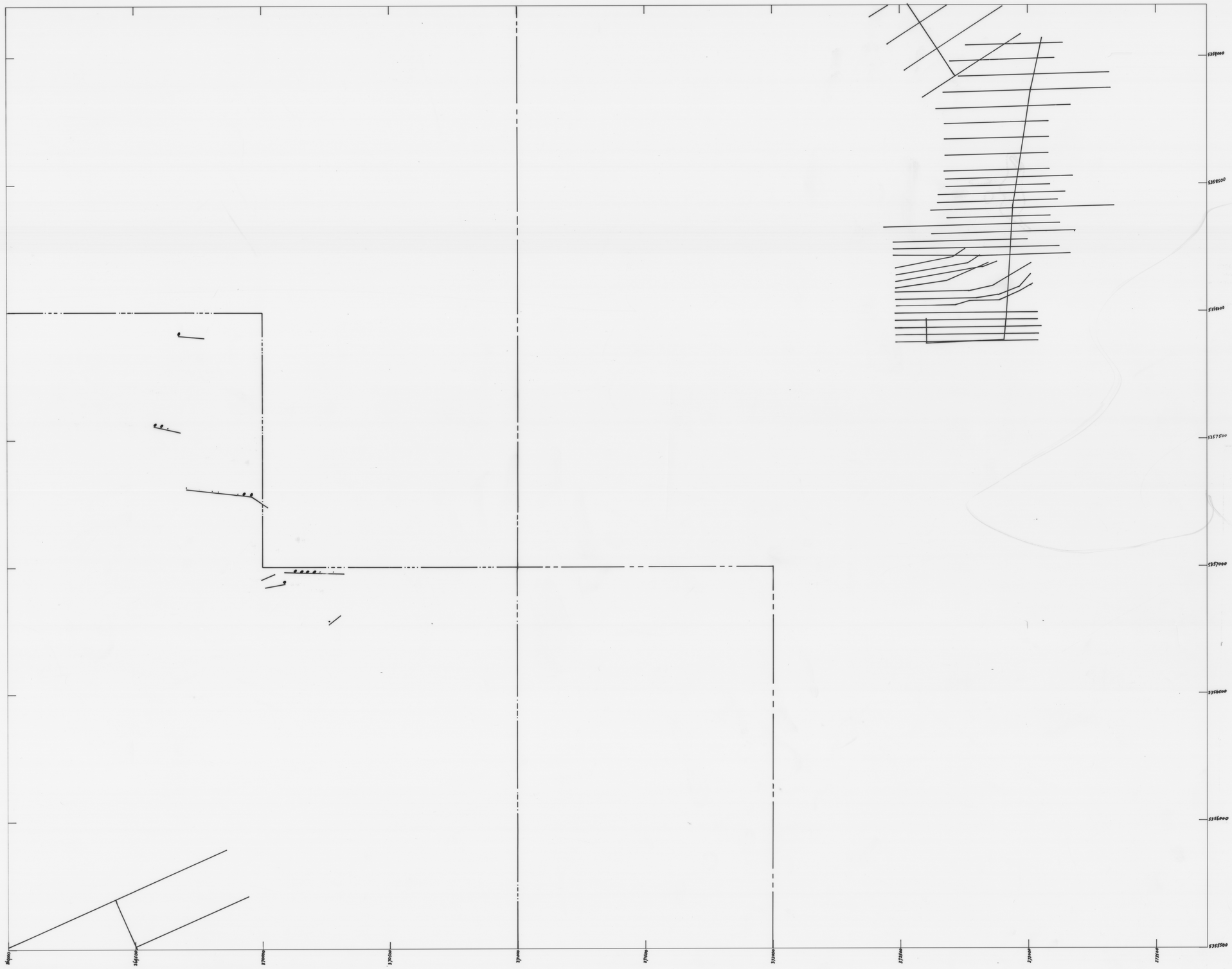
CSR LIMITED - MEDG

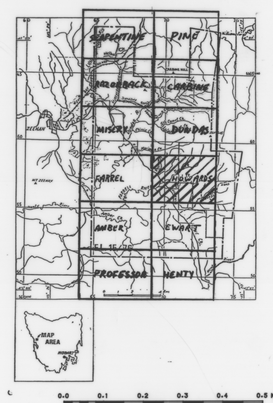
HOWARDS

EM

EL15/76 DUNDAS

SCALE : 1:5000	DRG No.
AUTHOR :	7602-165
DATE : 15-JUL-85	
REVISED :	





0.0 0.1 0.2 0.3 0.4 0.5 Km

SCALE 1:5000

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

5 cm

CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

CSR LIMITED - MEDG

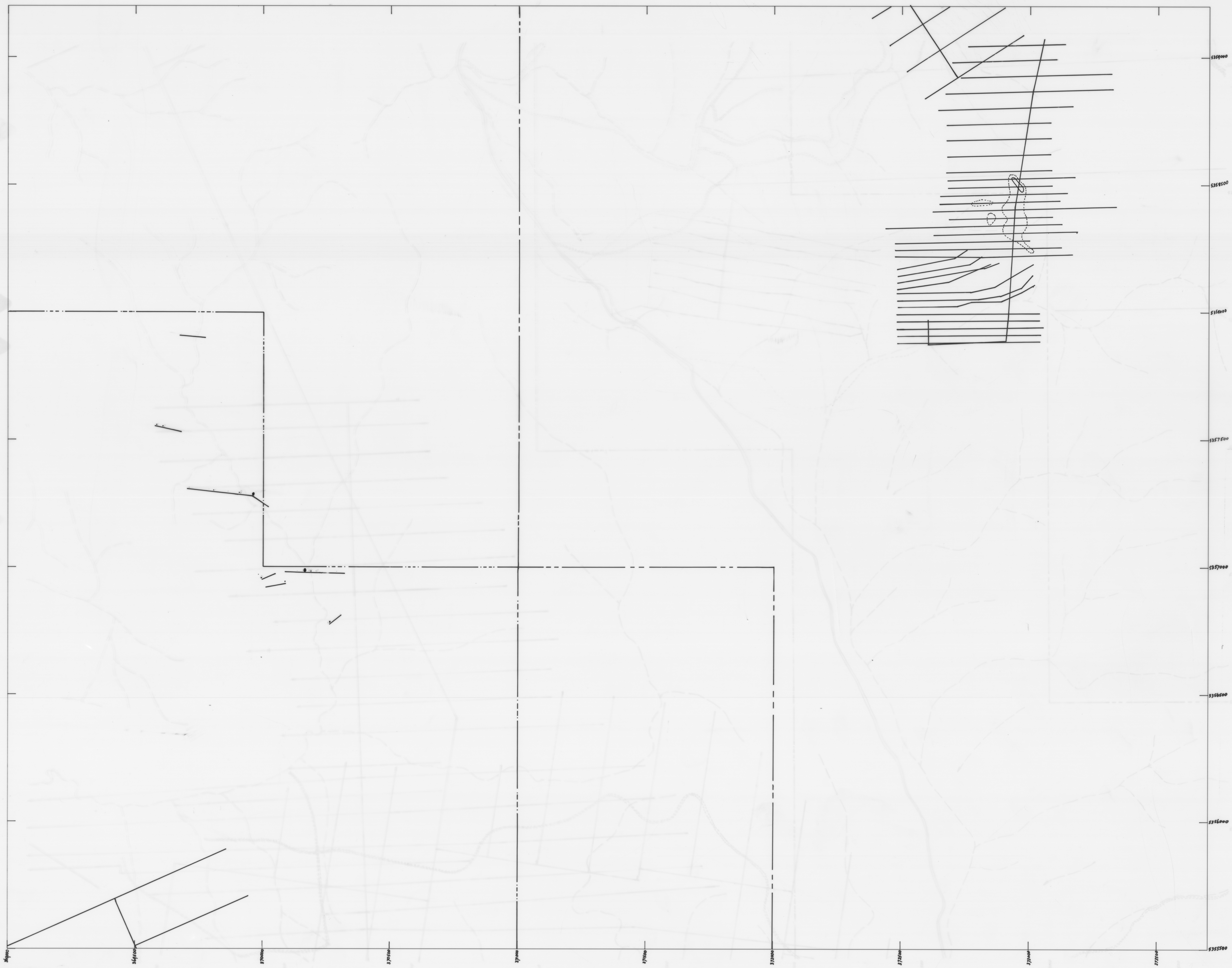
HOWARDS

SOIL GEOCHEMISTRY - Zn

EL15/76 DUNDAS

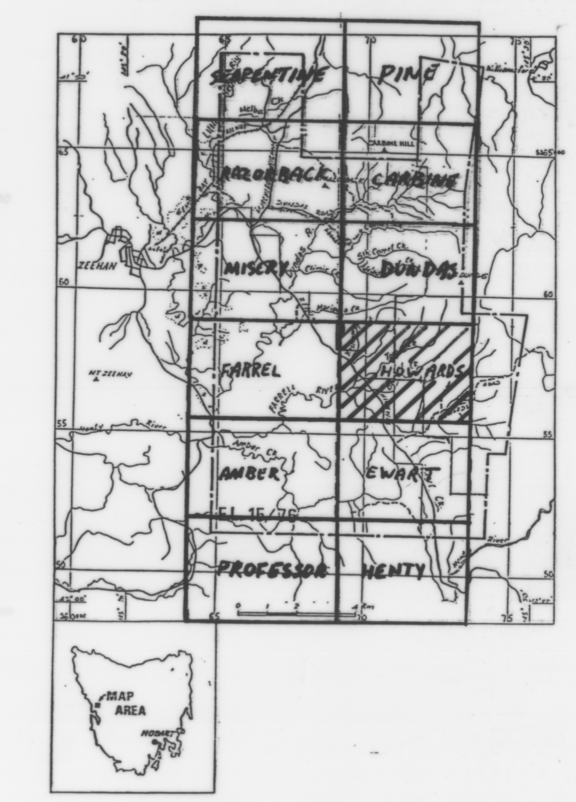
SCALE	1:5000
AUTHOR	
DATE	15-JUL-85
REVISED	

DRD No. 7602-166



Anomalous Values

- • 300ppm → 500ppm } Amoco EL15/76
- ● +500ppm
- 300ppm (dashed outline) } McIntyre
- +500ppm (solid outline)



0.0 0.1 0.2 0.3 0.4 0.5 Km

SCALE 1:5000

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

5 cm

CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

CSR LIMITED - MEDG

HOWARDS

SOIL GEOCHEMISTRY - Pb

EL15/76 DUNDAS

SCALE : 1:5000		DRG No.
AUTHOR :		7602-167
DATE : 15-JUL-85		
REVISED :		

6355580
6355000
6354500
6354000
6353500
6353000
6352500
6352000

Roads
Tracks
Walking Tracks
Rivers
Streams
Grid Lines
Licence Boundary
Joint Venture Boundary

N

0·0 0·5 Km
SCALE 1:5000

5 cm

02_4820

Past Exploration within the area of EL 15/1976 -
Dundas
CSR Limited*
Ellis, P.D. EL15/1976

CSR LIMITED - AM & C DIVISION

EL15/76 DUNDAS

EWART

BASE PLAN

DATE: 22-JAN-85 | PLAN NO. 7602 - 168

492641

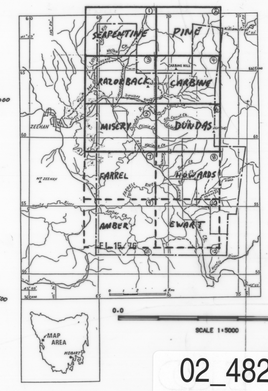
N

NOTES

Stream sediment site.

Panned concentrate site.

See plan number 1a for data source.



02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

5 cm

CSR LIMITED - AM & C DIVISION

E.L. 15/76

EWART

Stream Sediment and Panned Concentrate Sample Locations.

DATE: 22-JAN-85 | PLAN NO. 7602-169

5358800
5355000
5351200
5353500
5350000
5352200
5348400
5346600
5344800
5343000
5341200
5339400
5337600
5335800
5334000
5332200

N

NOTES

Position of elements.

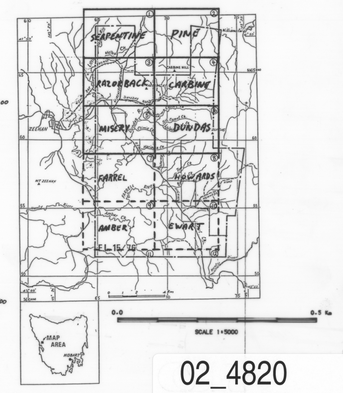
Anomalous value e.g. Pb.

N.B.
Other elements may be indicated in place of usual elements.
e.g. : Tin and Chromium anomaly (no lead).

THRESHOLDS

Cu ≥	35 p.p.m.	Ni ≥	500 p.p.m.
Pb ≥	100 p.p.m.	Co ≥	100 p.p.m.
Zn ≥	150 p.p.m.	Cr ≥	100 p.p.m.
Sn ≥	50 p.p.m.	W ≥	50 p.p.m.

See plan number 1a. for data sources.



5 cm

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited"
Ellis, P.D. EL15/1976

CSR LIMITED - AM & C DIVISION

E.L. 15/76

EWART

Stream Sediment Anomaly Locations: Cu, Pb, Zn, and Sn.

DATE: 22-JAN-85 | PLAN NO. 7602-170

N

NOTES

Position of elements.

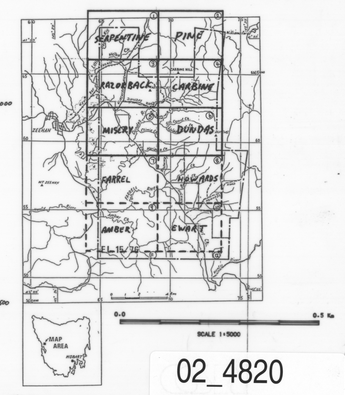
Anomalous value e.g. Gold.

N.B.
Other elements may be indicated in place of usual elements.
e.g. = Bismuth and chromium anomaly (no gold).

THRESHOLDS

Ag	> 2 p.p.m.	Bi	> 10 p.p.m.
Au	> 0.1 p.p.m.	Ni	> 500 p.p.m.
As	> 10 p.p.m.	Co	> 100 p.p.m.
		Cr	> 100 p.p.m.
		W	> 50 p.p.m.

See plan 1a for data source.



5 cm

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D.
EL15/1976

CSR LIMITED - AM & C DIVISION

E.L. 15/76

EWART

Stream Sediment Anomaly Locations: Ag, Au, As and other.

DATE: 22-JAN-85 | PLAN NO. 7602 - 171

N

NOTES.

Position of elements.

Anomalous value e.g. Pb.

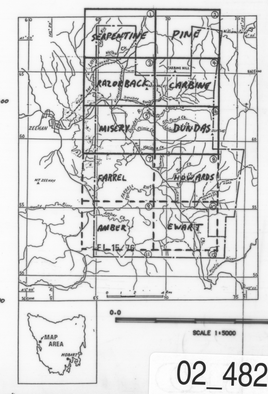
N.B.
Other elements may be indicated in place of visual elements.

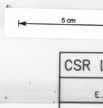
E.g. = Tin and Tungsten anomaly (no Lead)

THRESHOLDS

Cu	> 100 p.p.m.	Ni	> 1,000 p.p.m.
Pb	> 200 p.p.m.	Co	> 300 p.p.m.
Zn	> 500 p.p.m.	Cr	> 30 %
Sn	> 150 p.p.m.	W	> 100 p.p.m.

See plan number 1a for data source.





0-0 0-5 Km

SCALE 1:5000

5 cm

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D.
EL15/1976

CSR LIMITED - AM & C DIVISION

E.L. 15/76

EWART

Panned Concentrate Anomaly Locations: Cu, Pb, Zn, and Sn.

DATE: 22-JAN-85 | PLAN NO. 7602 - 172

659 of 653

N

NOTES

Position of elements.

Anomalous value e.g. gold.

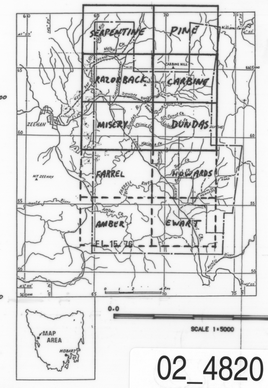
N.B.
Other elements may be indicated in place of usual elements.

e.g. = Bismuth and Caesium anomaly (no gold).

THRESHOLDS

Ag	> 2 p.p.m.	Bi	> 50 p.p.m.
Au	> 0.5 p.p.m.	Ni	> 1,000 p.p.m.
As	> 50 p.p.m.	Co	> 500 p.p.m.
		Cr	> 50 %.
		W	> 100 p.p.m.

See plan number 1a for data source.



0·0 0·5 Km
SCALE 1:5000

5 cm

02_4820

Post Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

CSR LIMITED - AM & C DIVISION

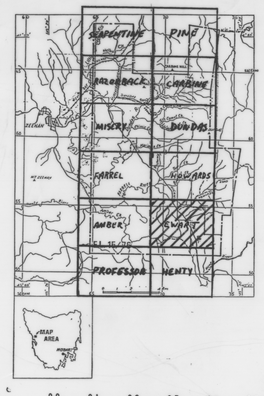
E.L. 15/76

EWART

Panned Concentrate Anomaly Locations - Ag, Au, As, and Other.

DATE: 22-JAN-85 | PLAN NO. 7602 - 173

N



0.0 0.1 0.2 0.3 0.4 0.5 Km

SCALE 1:5000

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

5 cm

CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

CSR LIMITED - MEDG

EWART

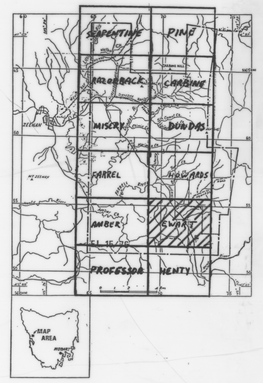
GEOLOGICAL FACT

EL15/76 DUNDAS

SCALE : 1:5000	DRG No.
AUTHOR :	7602-174
DATE : 15-JUL-85	
REVISED :	

Df Florence Orange Jnk
Sac Austral Creek Siltstone
Sk Keal Orange Jnk
Sa Anakee Shale
Sc Crotty Orange Jnk
Og Gordon Limestone
E Cambrian - undifferentiated (Dundas Group)
EMg Orange Jnk-siltstone-mudstone
EMc Conglomerate
EMs Hamonds Road greywacke-siltstone-tuff

N



0·0 0·1 0·2 0·3 0·4 0·5 Km
SCALE 1:5000

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

5 cm

CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

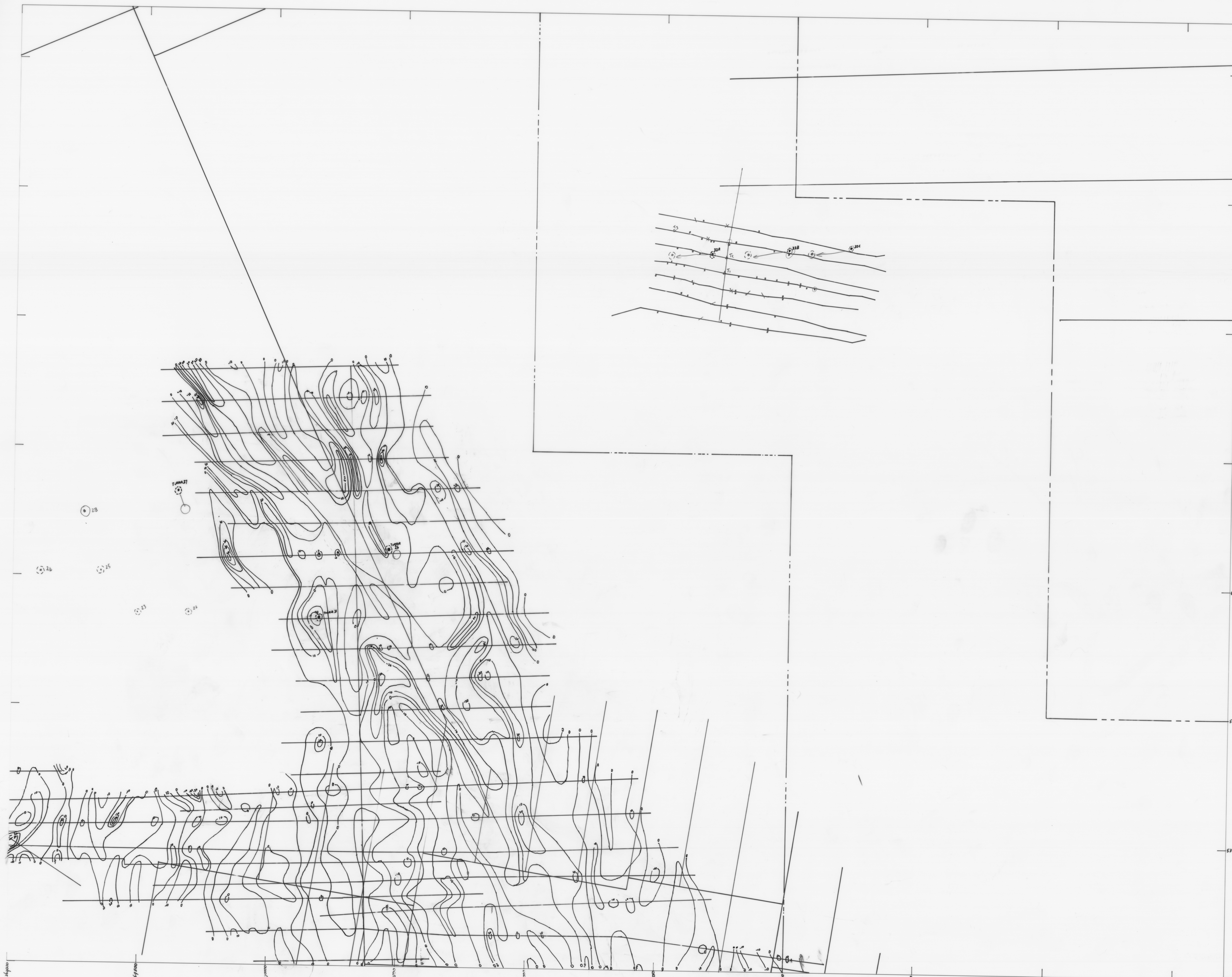
CSR LIMITED - MEDG

EWART

GEOLOGICAL INTERPRETATION

EL15/76 DUNDAS

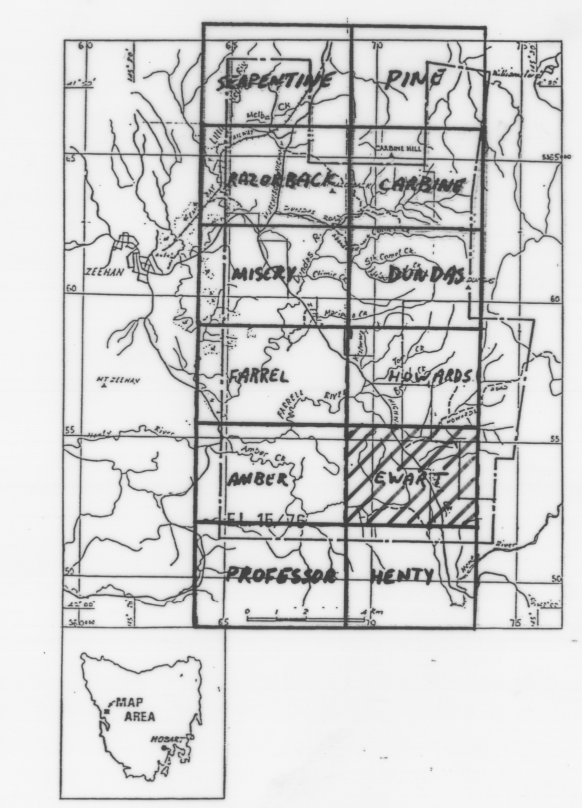
SCALE	1:5000	DRG No.
AUTHOR		7602-175
DATE	15-JUL-85	
REVISED		



Gun EM (Geophoto EL7/68)
- Inflection pt 5000 c/s
- Inflection pt 1000 c/s
- Cross over 1000 c/s
- Cross over 5000 c/s
- Δ Transmitters
  - T3 12S, 14S, 16S
  - T2 14S
  - T1 8S, 10S, 12S, 16S, 18S, 20S

~ VLF-EM 1st Derivative Contours (Geophoto EL7/68)

Turair Anomaly (Geophoto EL7/68)



0.0 0.1 0.2 0.3 0.4 0.5 Km

SCALE 1:5000

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

5 cm

CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

CSR LIMITED - MEDG

EWART

E.M.

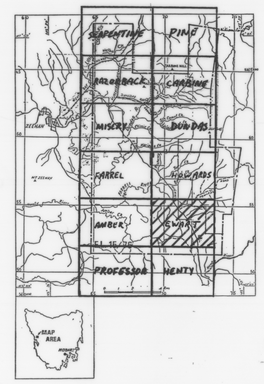
EL 15/76 DUNDAS

SCALE : 1:5000		DRG No.
AUTHOR :		7602-176
DATE : 15-JUL-85		
REVISED :		

Ground Proton Magnetics - CSR 02/12/76

h=600 ± 0 Magnetic highs / Magnetic lows

N



0.0 0.1 0.2 0.3 0.4 0.5 Km

SCALE 1:5000

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited"
Ellis, P.D. EL15/1976

5 cm

CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

CSR LIMITED - MEDG

EWART
MAGNETICS
EL15/76 DUNDAS

SCALE	: 1:5000
AUTHOR	:
DATE	: 15-JUL-85
REVISED	:

DRG No. 7602-177

5355500

5350000

5345000

5340000

5335000

5330000

5325000

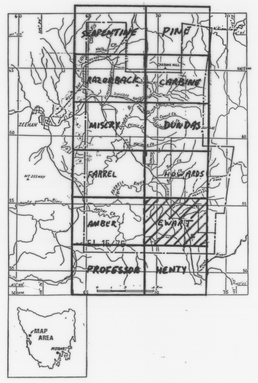
5320000

Conventional Soils - Geophysics
--- Slightly Anomalous

Gossan Cover
Rock Augers - Geophysics
-- Slightly Anomalous
— Anomalous

Shallow Soil - Geophysics
• Anomalous

N



0.0 0.1 0.2 0.3 0.4 0.5 Km

SCALE 1:5000

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

5 cm

CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

CSR LIMITED - MEDG

EWART

SOIL GEOCHEMISTRY - Zn

EL 15/76 DUNDAS

SCALE :	1:5000
AUTHOR :	
DATE :	15-JUL-85
REVISED :	

DRG No. 7602-178

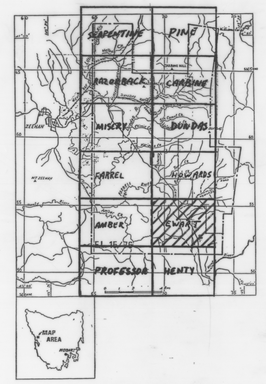
N

6355500
6355000
6354500
6354000
6353500
6353000
6352500
6352000

CONVENTIONAL - Geophysics
..... Slightly Anomalous

GRAVEL COVER
Deep Auger - Geophysics
— — Anomalous
—— Strongly Anomalous

Shallow Soil - Geophysics
• Anomalous



0.0 0.1 0.2 0.3 0.4 0.5 Km
SCALE 1:5000

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D.
EL15/1976

5 cm

CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

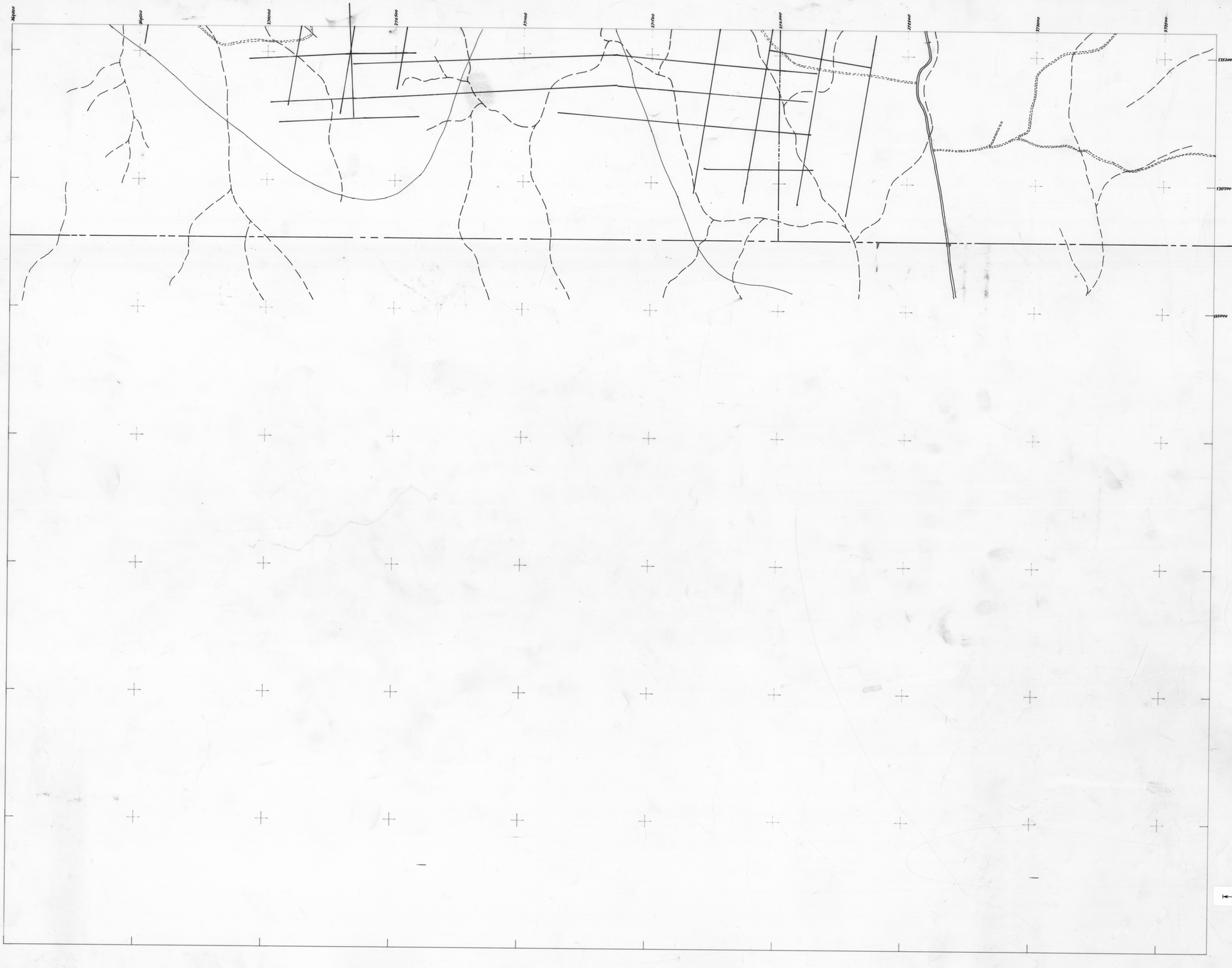
CSR LIMITED - MEDG

EWART

SOIL GEOCHEMISTRY - Pb

EL15/76 DUNDAS

SCALE : 1:5000	DRG No.
AUTHOR :	7602-179
DATE : 15-JUL-85	
REVISED :	



02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

CSR LIMITED - AM & C DIVISION

EL 15/76 DUNDAS

HENTY

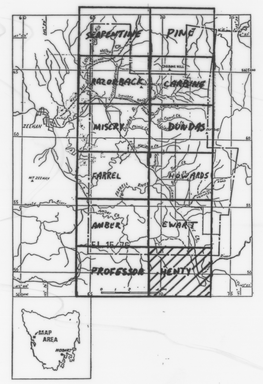
BASE PLAN

DATE: 22-JAN-85 | PLAN NO. 7602 - 180

930681

N
1383000
1380500
1378000
NOTES
Stream sediment site.
Panned concentrate site.
Anomalous site.
THRESHOLDS
Stream sediment:
Cu ≥ 50 ppm
Pb ≥ 100 ppm
Zn ≥ 150 ppm
Sn ≥ 50 ppm
Ag ≥ 2 ppm
Au ≥ 0.1 ppm
As ≥ 10 ppm
Bi ≥ 10 ppm
Ni ≥ 500 ppm
Co ≥ 100 ppm
Cr ≥ 100 ppm
W ≥ 50 ppm
Panned Concentrate:
Cu ≥ 100 ppm
Pb ≥ 200 ppm
Zn ≥ 500 ppm
Sn ≥ 150 ppm
Ag ≥ 2 ppm
Au ≥ 0.5ppm
As ≥ 50 ppm
Bi ≥ 50 ppm
Ni ≥ 1,000 ppm
Co ≥ 500 ppm
Cr ≥ 30%
W ≥ 100 ppm
See plan number 1a for data source.
0-0
0-5 Km
SCALE 1:5000
02_4820
Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D.
EL15/1976
5 cm
CSR LIMITED - AM & C DIVISION
E.L. 15/76
Stream Sediment and Panned Concentrate Sample, Locations: Ag, Au, As, Cu, Pb, Zn, Sn and other.
DATE: 22-JAN-85
PLAN NO. 7602-181

N



0.0 0.1 0.2 0.3 0.4 0.5 Km

SCALE 1:5000

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

5 cm

CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

CSR LIMITED - MEDG

HENTY

GEOLOGICAL FACT

EL15/76 DUNDAS

SCALE : 1:5000	DRG No.
AUTHOR :	7602-182
DATE : 15-JUL-85	
REVISED :	

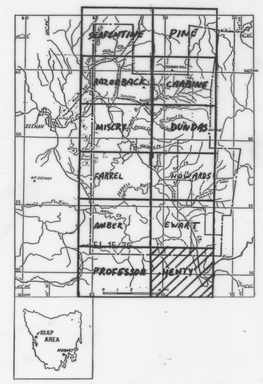
4820

Sa Ankeri Slate
Sc Crotty Quartzite
Og Gordon Limestone
Ꞓ Undifferentiated Cambrian - Dundas Group.

N

E352000
5351500
E351000
E350500
E350000
5349500
E349000
5348500

500m 1000m 1500m 2000m 2500m 3000m 3500m 4000m 4500m 5000m



0·0 0·1 0·2 0·3 0·4 0·5 Km
SCALE 1:5000

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D.
EL15/1976

5 cm

CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

CSR LIMITED - MEDG

HENTY

GEOLOGICAL INTERPRETATION

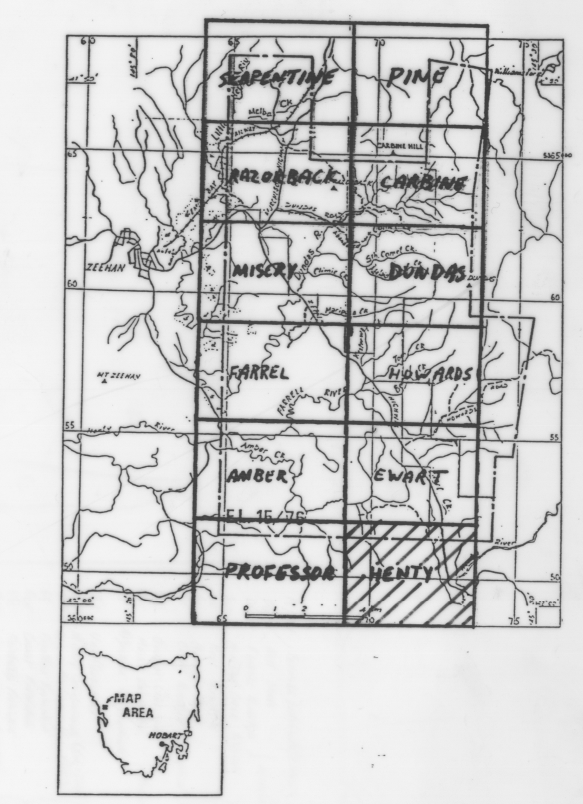
EL 15/76 DUNDAS

SCALE : 1:5000	DRG No.
AUTHOR :	7602-183
DATE : 15-JUL-85	
REVISED :	

4794eb

~ 1ST Derivative Contours - Geophoto EL7/68

⊙ TURAIR ANOMALY - Geophoto EL7/68



0.0 0.1 0.2 0.3 0.4 0.5 Km

SCALE 1:5000

02_4820

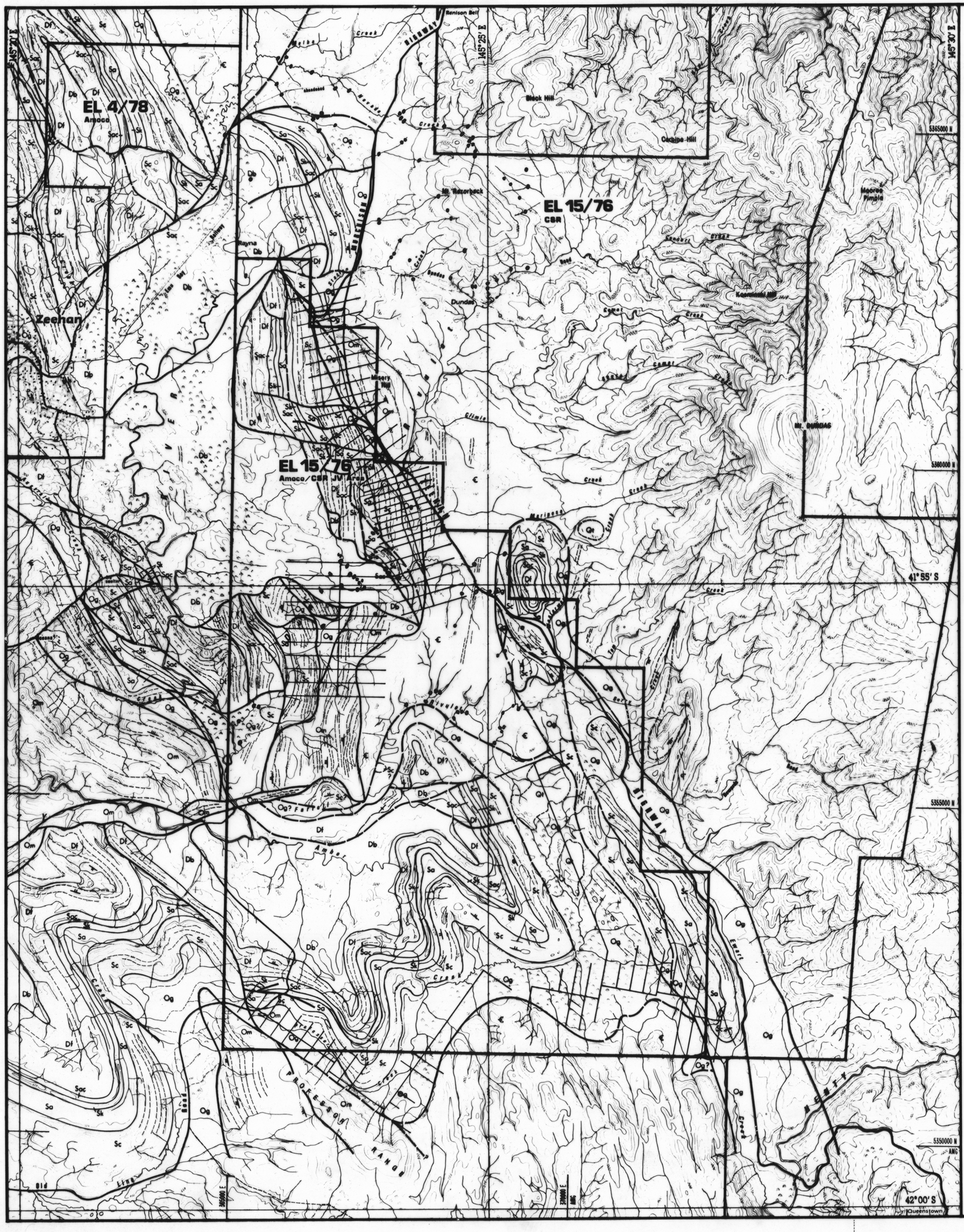
Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

5 cm

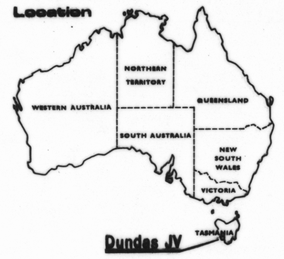
CSR LIMITED

MINERALS EXPLORATION & DEVELOPMENT GROUP

CSR LIMITED - MEDG	
HENTY VLF-EM EL15/76 DUNDAS	
SCALE : 1:5000 AUTHOR : DATE : 15-JUL-85 REVISED :	DRG No. 7602-186



Location



Legend

QUATERNARY
- Glacial Till — Qt

DEVONIAN
- Bell shale — Db
- Florence Quartzite — Df

SILURIAN
- Austral Creek Siltstone — Sac
- Keel Quartzite — Sk
- Amber Slate — Sa
- Gotty Quartzite — Sc

ORDOVICIAN
- Gordon Limestone — Og
- Moina Sandstone & Mt Zeehan Conglomerate — Om

CAMBRIAN
- Undifferentiated Cambrian Units — €

- Bedding trace
- Geological contact
- Inferred geological contact
- Syncline
- Boundary of surficial deposits
- Fault
- Inferred fault
- Strike and dip of bedding — shallow, moderate and > 80°

1:25000

kilometers

Base compiled from 1:10000 scale Pieman Project mapping series

Topographic contours in feet

02_4820

Past Exploration within the area of EL 15/1976 - Dundas
CSR Limited*
Ellis, P.D. EL15/1976

5 cm

Amoco Minerals Australia Company

Project	GORDON RIVER			Nº A-50-92	
Project Partner				CSR	
Dundas JV				EL 15/76	
PHOTOGEOLOGY					
Map Ref. ANG	K-55-5	Latitude	42°00' S	Longitude	145°30' E
Surveyed		Date		Scale	1:25000
Drawn	Geodrafting	Date		Drawing Nº	
Report					

Enclosure

999086

930667

5360000 N
5358000 N
5356000 N
5354000 N
5352000 N
370000 E
372000 E
374000 E
376000 E

SL 1→6 Soil sample locations
PS 1→5 Pit sample locations

0 1 Km
SCALE 1:10000

CSR LIMITED AM&C Div.

RELINQUISHMENT AREA E.L. 15/76

DRAINAGE SAMPLES

PROJ NO.

DATE: 2-JUL-84