03-4917

Tasmanian Mineral Exploration Company Report

Title: Tyndall, Lyell, Beatrice, Comstock, 1972-76
Company: PlacerDome

Plans from archive store in Zeehan

Compiled by David Green 4 June 2003.

03_4917

Tyndall, Lyell, Beatrice, Comstock, 1972-76

Placer Dome Asia Pacific*
Green, D.

TYN.018

A PHOTOGEOLOGICAL STUDY OF THE MOUNT READ VOLCANICS

[redacted] NORTH + SOUTH OF ROSEBERY [redacted]SMANIA.

PROVISIONAL COPY

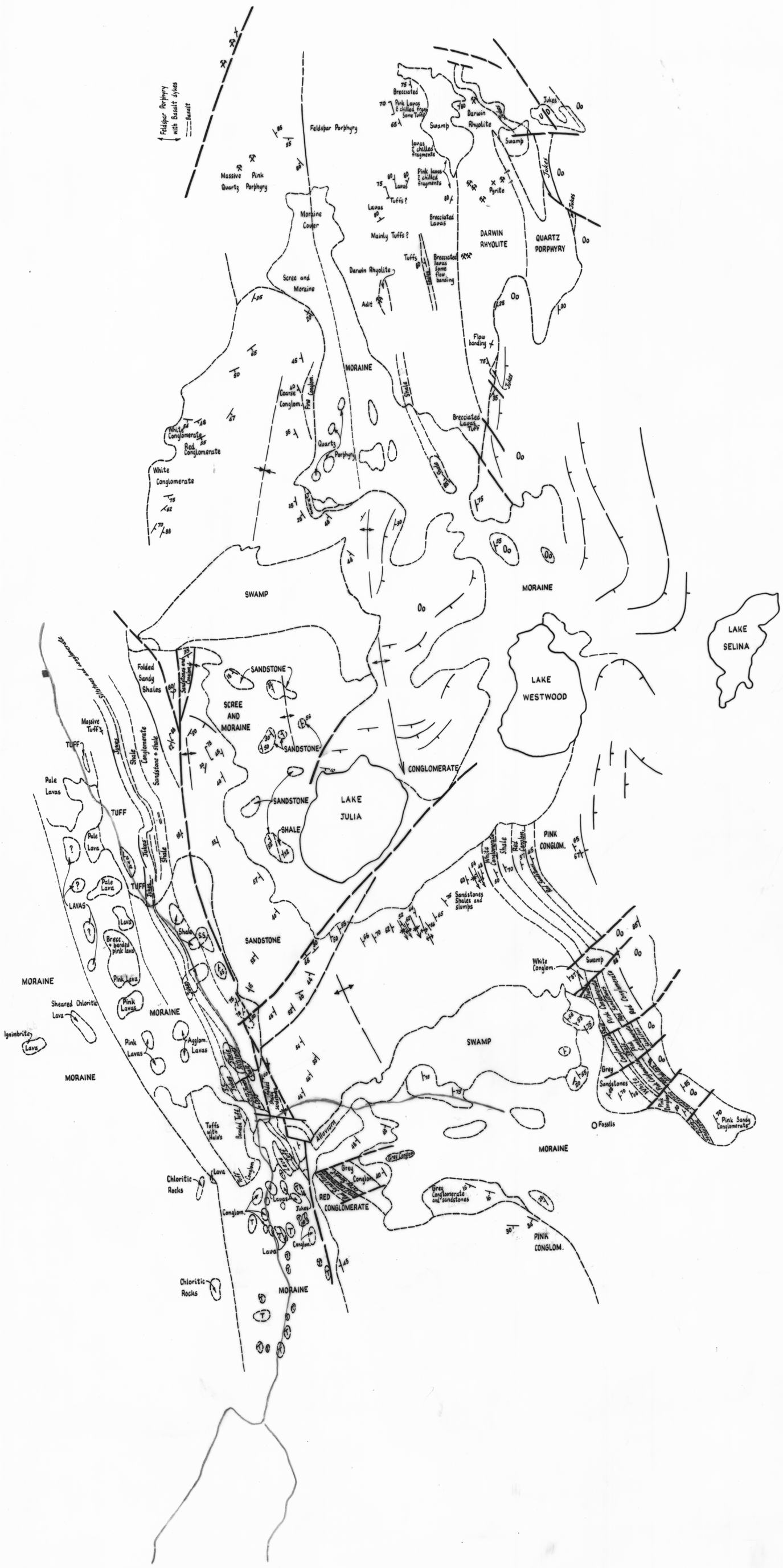
Undertaken on behalf of
THE ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA Ltd.
by
R.F. Loxton, Hunting and Associates, Canberra.

Scale 1:40,000


Bulgobac
Mt. Charter
Mt Block
Tullah
Mt Farrell
Mt. Block
Rosebery
Victoria Peak
Colebrook Hill
Mt Murchison
Williamsford
Mt. Read
Mt Tyndall
Lake Murray
Lake Selina
Lake Jukes
Lake Dove
Lake Rosebery
Lake Victoria
Lake Margaret
Lake Plimsoll
Lake Farrell
Lake Vera
Lake Pieman
Pieman River
Murchison Creek
Farrell Creek
Hercules Creek
Henty River
Jukes Creek
Mt Pomonah
Mt Pimpler
Mt Jukes
Mt Donaldson
Mt Sandell
Mt Sandell
Mt Sandell

1:15840

TYN 017 ?



5 cm

03_4917

Tyndall, Lyell, Beatrice, Comstock, 1972-76

Placer Dome Asia Pacific*
Green, D.

TYN 006

650,000 YDS.N.
350,000 YDS.E.
360,000 YDS.E.
365,000 YDS.E.
845,000 YDS.N.
840,000 YDS.N.
835,000 YDS.N.
370,000 YDS.E.

WILLIAMSFORD
Hercules Mine
CARBONATE RICH SHALES AND SILTSTONES HERCULES LEAD ZINC ORBODIES
WELDED ACID TUFFS
WELDED ACID TUFFS
Mt. Read
WELDED ACID TUFFS
WELDED ACID TUFFS
SHALE
SHALE
SHALE
QUARTZ FELDSPAR CRYSTAL LITHIC TUFFS
FELDSPAR CRYSTAL TUFFS
COARSE VOLCANOCLASTIC SEDIMENTS
SECONDARY SHEARED MINERALISED ZONE
Red Hills
Neck
Goose
Creek
UNDIFFERENTIATED CAMBRIAN VOLCANICS
TUFFS AND AGGLOMERATES MINOR LAVAS
Anthony Creek
CAMBRIAN BLACK SHALES AND SILTSTONES
HORNFELSED CAMBRIAN VOLCANICS
UNDIFFERENTIATED PYROCLASTICS WITH MINOR LAVAS
Lake Selina
Lake Westwood
Lake Julia
Henty Camp
Henty River
White Spur Creek
Creek
Newton Peak
Anthony
Rolleston Camp
Lake Rolleston
Howards Anomaly
RANGE
TYNDALL
Mt. Tyndall
Lake Huntley
Walford Peak
UNDIFFERENTIATED LAVAS
Lake Dora
CONGLOMERATE
STICHT RANGE
CONGLOMERATES SHALES SILTSTONES
UNDIFFERENTIATED MAINLY GREYWACKE SEQUENCE
Halls Creek
Newton
Creek

MAPPED AND COMPILED BY P. BROPHY 1976 FROM 1973/74 ANNUAL REPORT.

NORTH OF HENTY FAULT

DUNDAS GROUP
- DG — SHALE, SILTSTONE, GREYWACKE, MINOR CRYSTAL TUFF.

MT. READ VOLCANICS
- PRIMROSE — VOLCANICS
- PVv — ACID CRYSTAL FELDSPAR LITHIC TUFFS, OCCASIONALLY WELDED.
- PVsi — SHALES SILTSTONES, FINE GRAINED TUFFS.
- PVIii — ACID QUARTZ FELDSPAR LITHIC TUFFS, OCCASIONALLY WELDED.
- AGGLOMERATES.
- PYRITIC BLACK SHALES.
- SHALES, GREYWACKES, FINE TUFFS.
- PVii — ACID WELDED TUFFS, BASIC INTRUSIVES.
- PVi — ACID LAVAS, FELDSPAR PHYRIC.
- ACID WELDED TUFFS.
- BASIC TO INTERMEDIATE INTRUSIVES AND EXTRUSIVES.
- VOLCANOCLASTIC SEDIMENTS.

SOUTH OF HENTY FAULT

MT. READ VOLCANICS
- TYNDALL GROUP
- Tyn III — (JUKES) VOLCANOCLASTIC SEDIMENTS. (COMSTOCK TUFF) CRYSTAL TUFFS, AGGLOMERATES, BANDED TUFF SHALES.
- Tyn II — QUARTZ PORPHYRY AUTOBRECCIATED LAVAS. HEMATITIC CARBONATES, CRYSTAL TUFFS; CARBONATE SEDIMENTS, MAGNETITE RICH LAVAS.
- Tyn I
- QUEENSTOWN PYROCLASTICS
- Qpiv — INTERMEDIATE PYROCLASTICS, SILTSTONES, SHALES, CARBONATES, MINOR ACID VOLCANICS.
- Qpiii — INTERMEDIATE LAVAS AND INTRUSIVES, QUARTZ, FELDSPAR, HORNBLENDE PHYRIC TYPES.
- Qpii — INTERMEDIATE PYROCLASTICS, GREYWACKES, SHALES, MINOR ACID VOLCANICS.
- Qpi — ACID PYROCLASTICS, MINOR LAVAS AND SEDIMENTS.
- PYRITIC BLACK SHALES.

DUNDAS GROUP
- DG — GREYWACKES, SILTSTONES AND SHALES.
- MAFIC AND ULTRAMAFIC INTRUSIVE.

OWEN CONGLOMERATE
- CONGLOMERATE, SANDSTONE. (NEWTON CREEK FORMATION) SANDSTONE, SILTSTONE, SHALE AND CONGLOMERATE.

RED HILLS - GOOSENECK

TYNDALL GROUP
- (JUKES) VOLCANOCLASTIC SEDIMENTS.
- CRYSTAL TUFF AND AGGLOMERATES.

MT. READ VOLCANICS
- CENTRAL LAVAS
- FELSIC PYROCLASTICS, CRYSTAL LITHIC TUFFS. (AGGLOMERATES)
- INTERBEDDED LAVAS AND PYROCLASTICS
- AGGLOMERATES PLUS MINOR LITHIC TUFFS.
- SHALES.
- FINE GRAINED SILICEOUS FELSIC LAVAS.
- ACID FELDSPAR PHYRIC LAVAS.
- ACID QUARTZ PH LAVAS.
- FINE GRAINED PINK FELSIC LAVA (E "DARWIN TYPE" RHYOLITE)

SELINA - ROLLESTON

QUATERNARY
- SWAMP.
- MORAINE AND SCREE.

OWEN CONGLOMERATE
- CONGLOMERATE, SANDSTONE, SILTSTONE AND SHALE.

CAMBRIAN
- TYNDALL GROUP.
- UNDIFFERENTIATED TUFFS, LAVAS AND AGGLOMERATES.
- UNDIFFERENTIATED CAMBRIAN VOLCANICS.
- AGGLOMERATES.

PRECAMBRIAN
- STICHT QUARTZITE.

5 cm

- FAULT
- ANTICLINE
- SYNCLINE
- STRIKE AND DIP OF BEDDING
- STRIKE OF SCHISTOSITY AND DIP
- OLD WORKINGS

THE CONSOLIDATED SYNDICATE

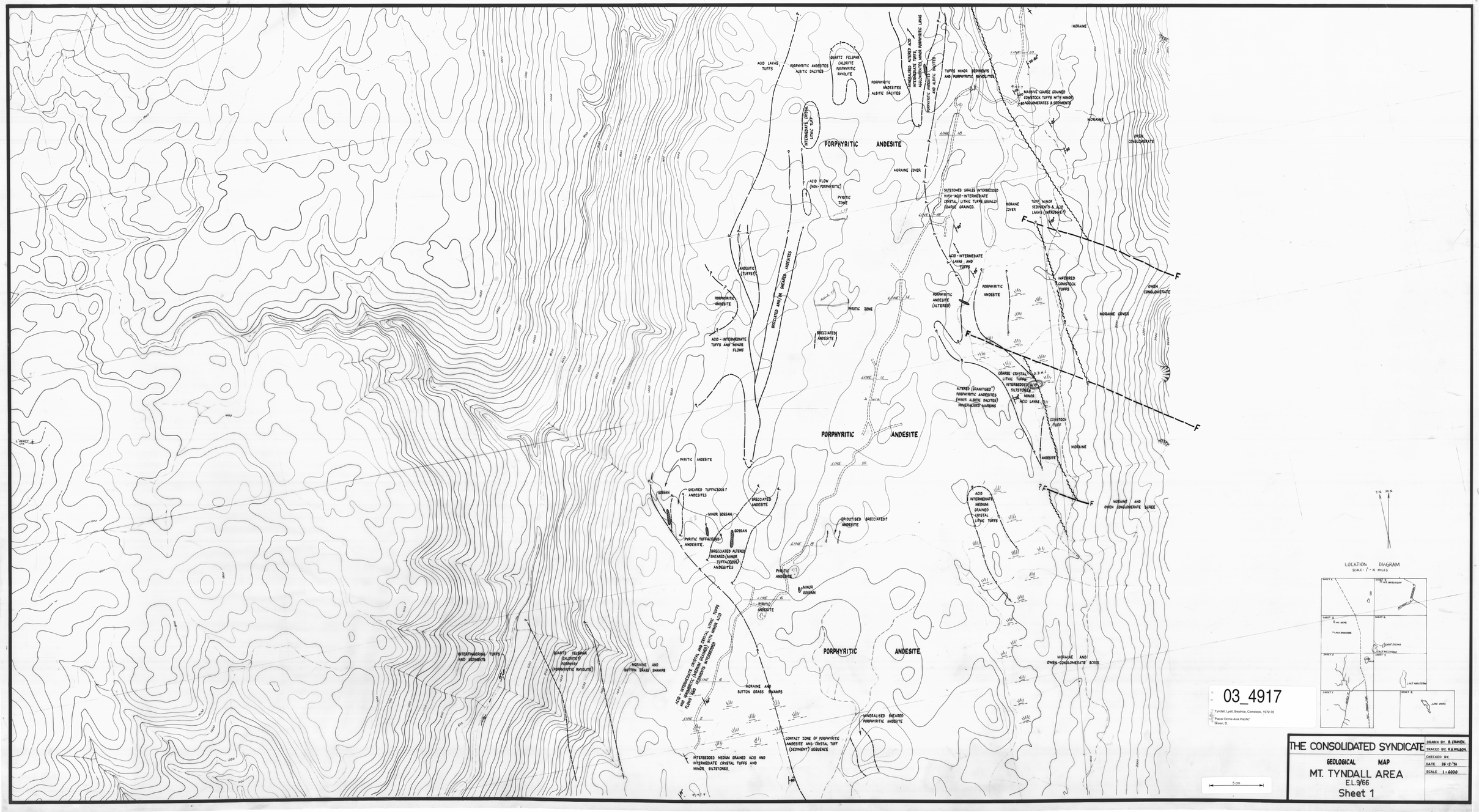
MT. TYNDALL AREA
E.L. 9/66
GEOLOGICAL MAP

DRAWN: R.E.
TRACED: R.S.W.
CHECKED:
DATE: JULY '77
SCALE: 1:15,840

MAP 2

03_4917

Tyndall, Lyell, Beatrice, Comstock, 1972-76
Placer Dome Asia Pacific*
Green, D.

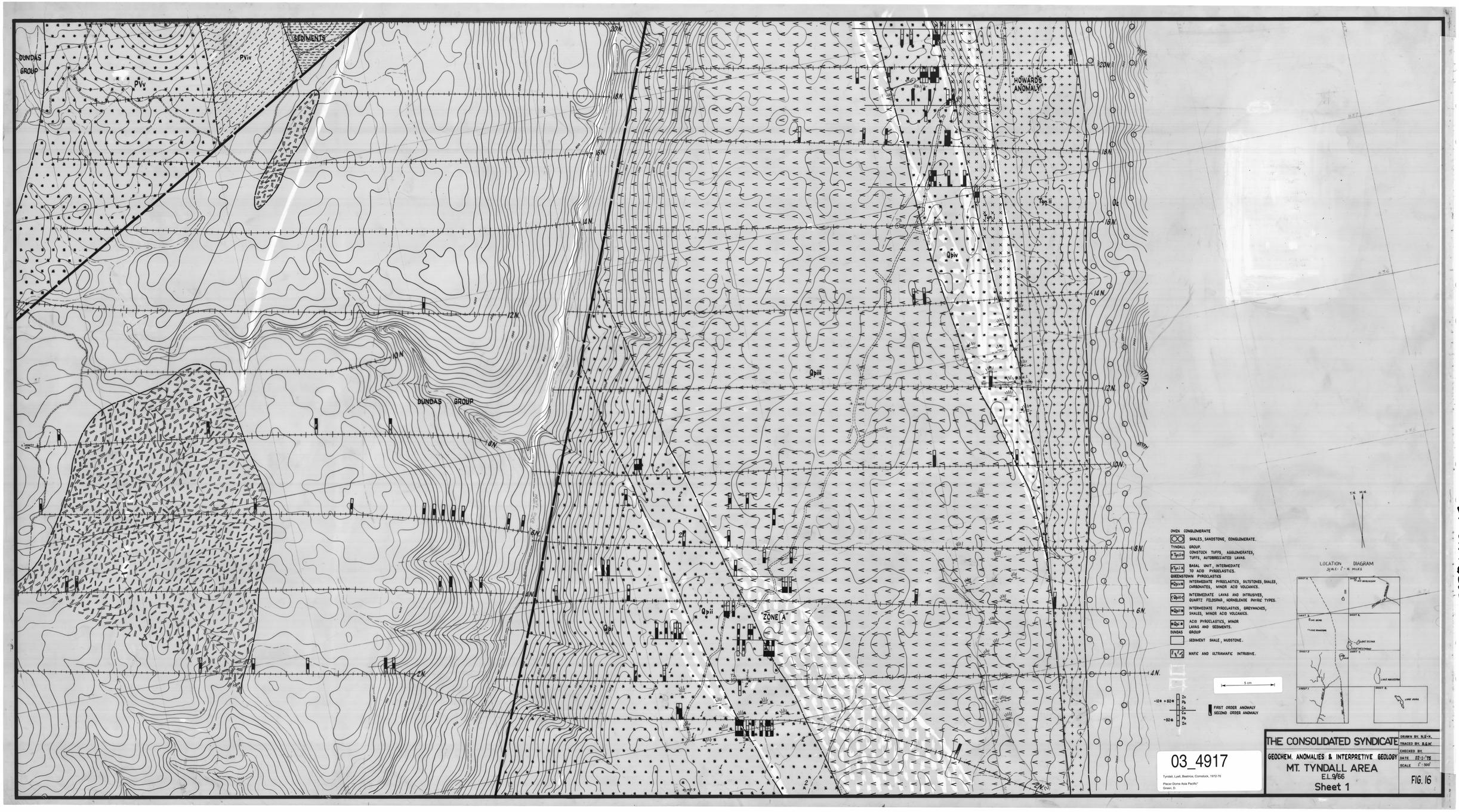


1:6000

TYNDALL SHEET 1

GEOLOGY (1974) INTERPRETATIVE

1971



1:6000

SHEET 1

GEOCHEM. ANOMALIES + INTERP. GEOLOGY

1/202



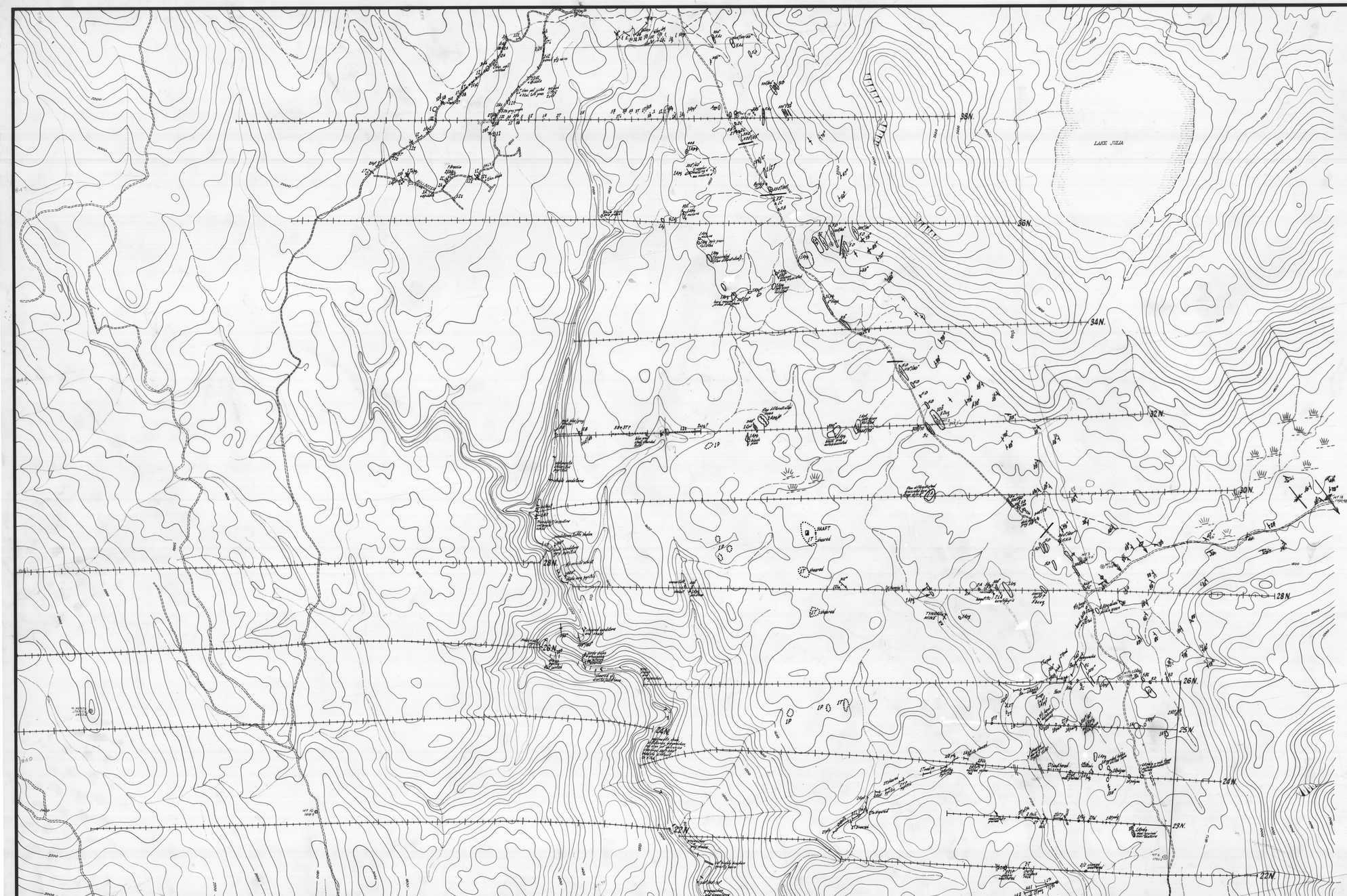
1:6000

TYNDALL SHEET 2

GEOLOGY

1970

3101



KEY

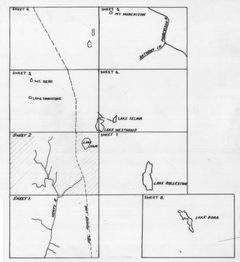
1	ACID	A	EXTRUSIVE	w	WELDED
2	INTERMEDIATE	B	HYPABYSSAL	x	CRYSTAL
3	BASIC	P	PLUTONIC	l	LITHIC
4	ULTRABASIC	T	PYROCLASTIC	v	VITRIC
		I	IGNIMBRITE	aa	AUTOBRECCIATED
				a	AGGLOMERATE
				p	PHENOCRYSTS
				f	FELDSPAR
				h	HORNBLENDE
				al	ALBITE
				q	QUARTZ

SEDIMENTS.

5	a	ARGILLACEOUS			CLASTS
	b	ARENACEOUS		q	QUARTZ
	c	RUDACEOUS	POLYMICT	f	FELDSPAR
	d		OLIGOMICT	v	VOLCANIC CLASTS
	e	CHEMICAL		s	SEDIMENT CLASTS
7	SURFACE ALTERATION PRODUCTS				
	A	FERUGINOUS			

- OUTCROP
- FLOAT INTERPRETATIONS
- FAULT
- FAULT ?
- UNCONFORMITY
- BEDDING, DIP
- FOLIATION
- JOINTS
- LINEATION
- LINEATION VERTICAL
- FACING

LOCATION DIAGRAM
SCALE: 1" = 16 MILES



5 cm

03_4917

Tyndall, Lyell, Beatrice, Comstock, 1972-76
Placer Dome Asia Pacific*
Green, D.

THE CONSOLIDATED SYNDICATE	DRAWN BY K.S.W.
OUTCROP GEOLOGY	TRACED BY K.S.W.
MT. TYNDALL AREA	CHECKED BY
EL. 9/66	DATE 12-12-'74
Sheet 2	SCALE 1" = 800'
	FIG. 6

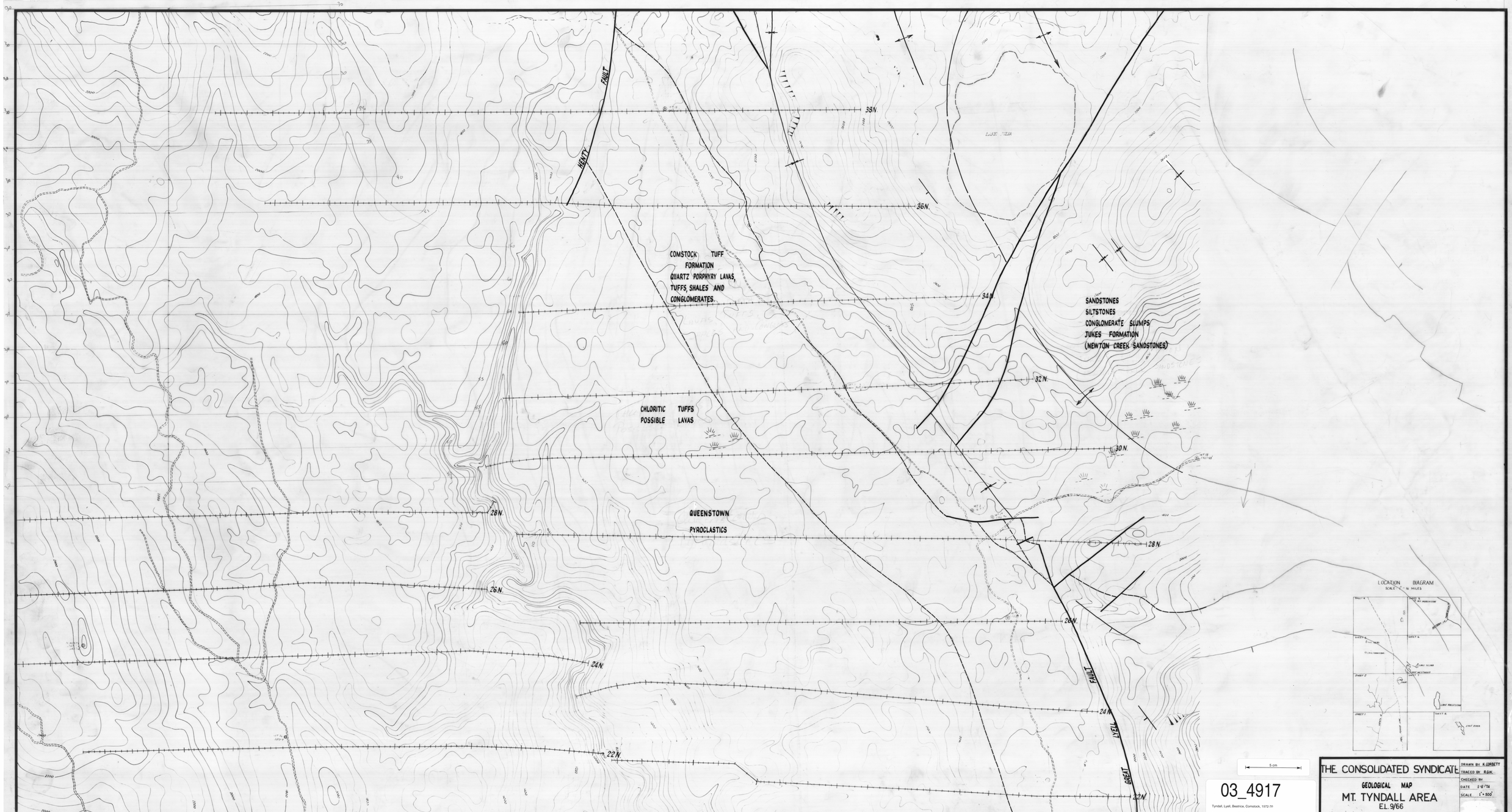
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TYNDALL SHEET 2

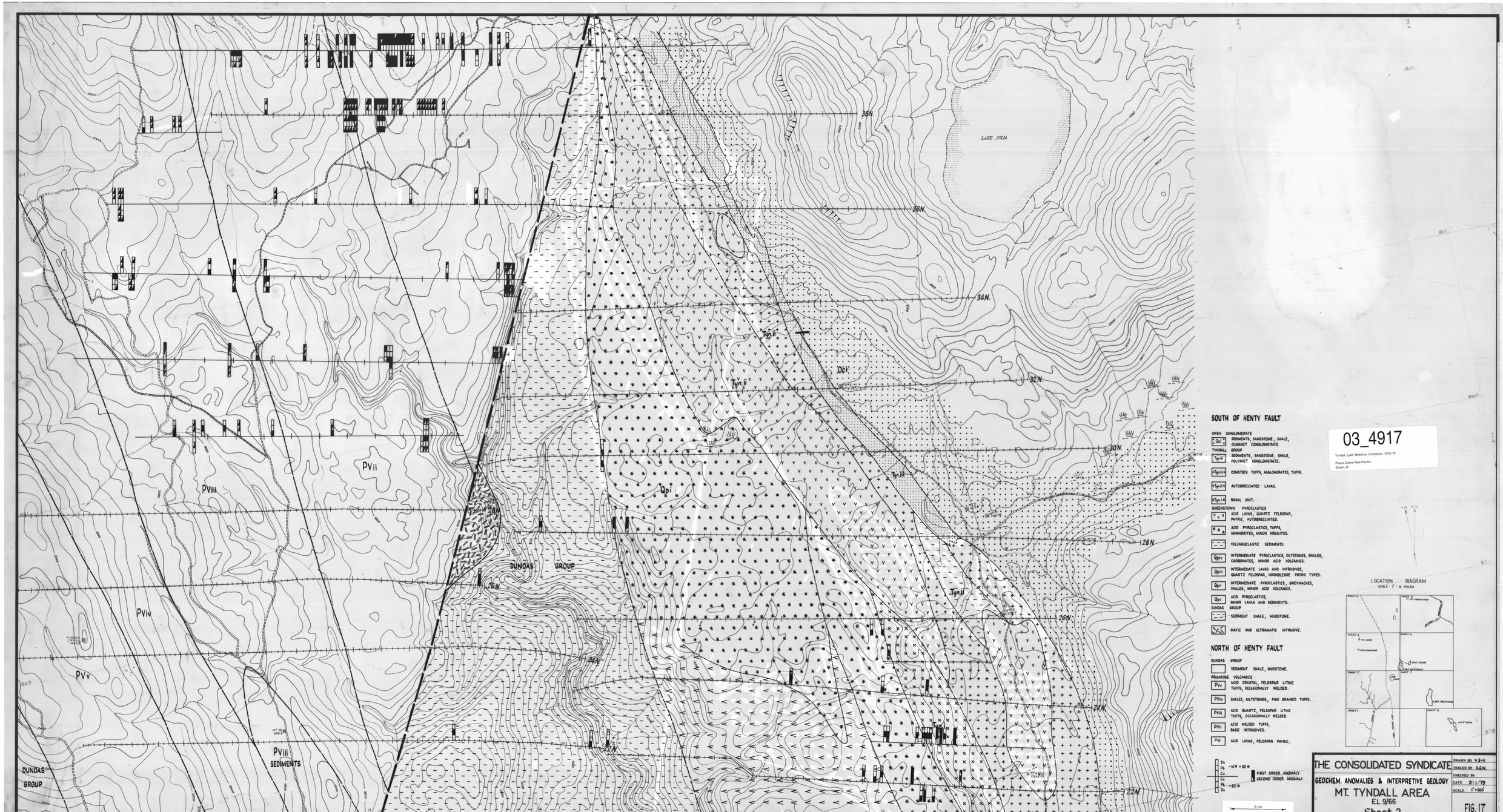
GEOLOGY OUTCROP

1974

2012



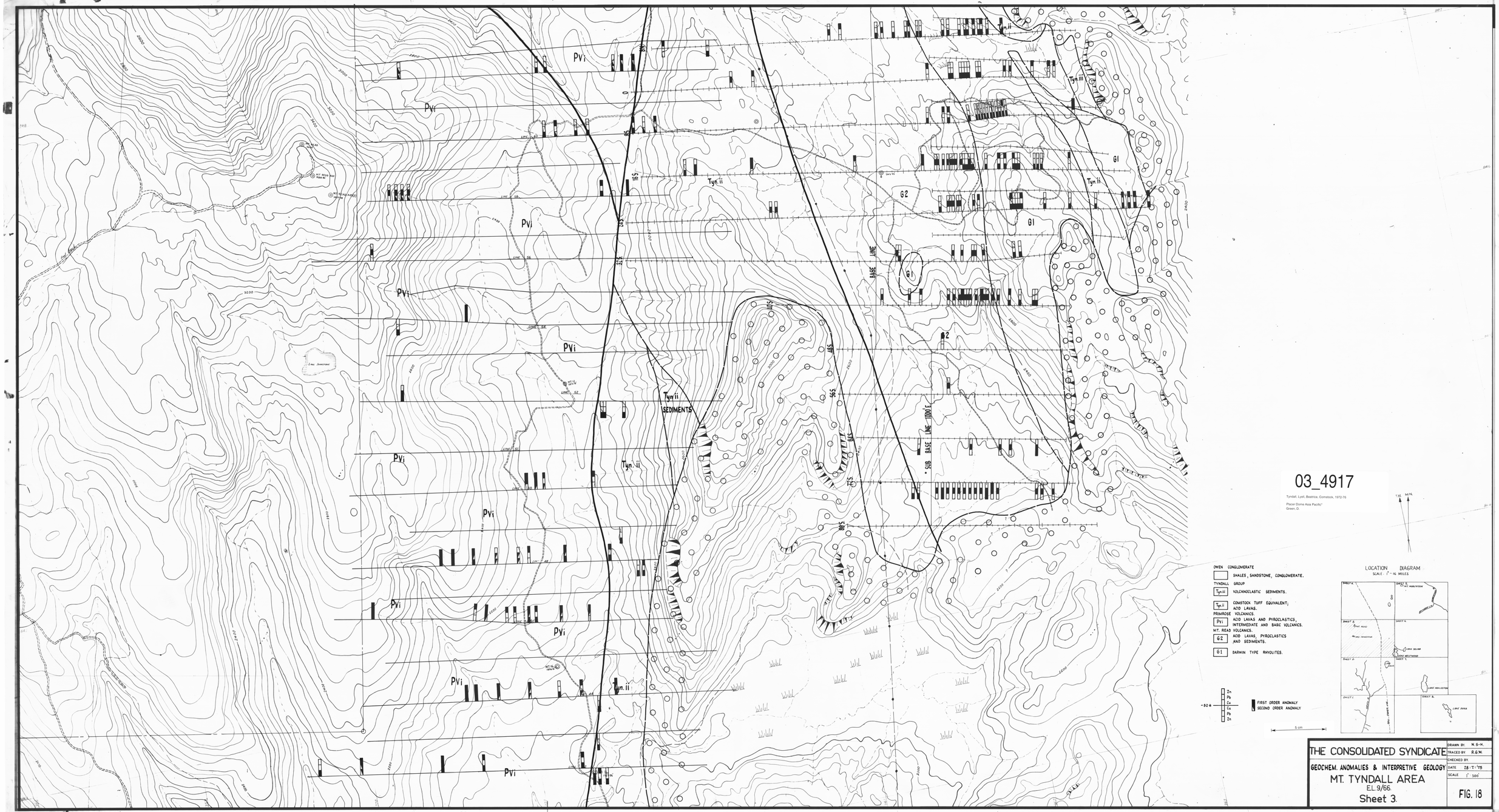
1:6,000 TYNDALL SHEET 2 GEOLOGY (INTERPRETATION) 1974

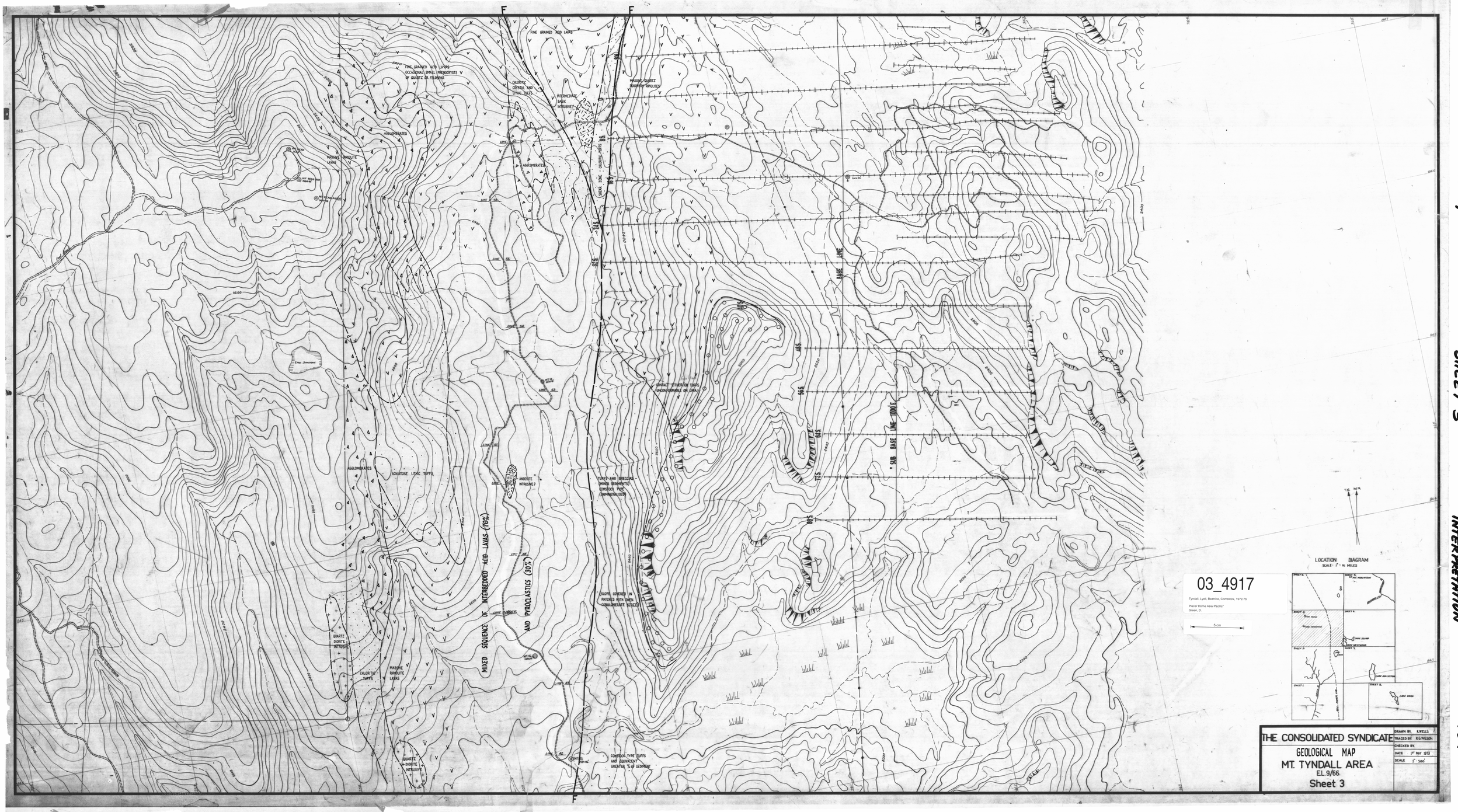


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TYNDALL
SHEET 2

GEOCHEMISTRY
+
GEOLOGY


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Tyn iii
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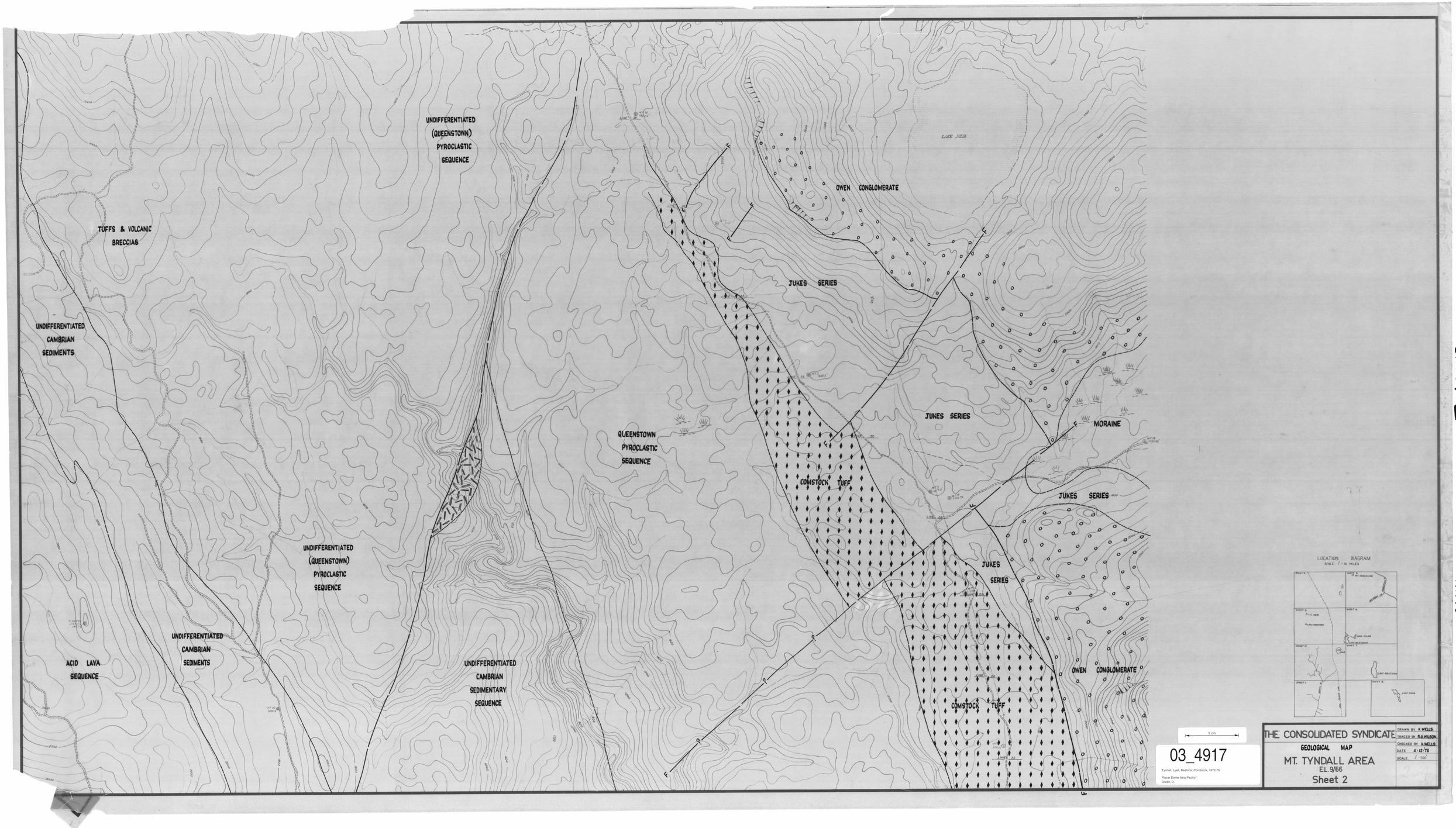
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GEOLOGY INTERPRETATION

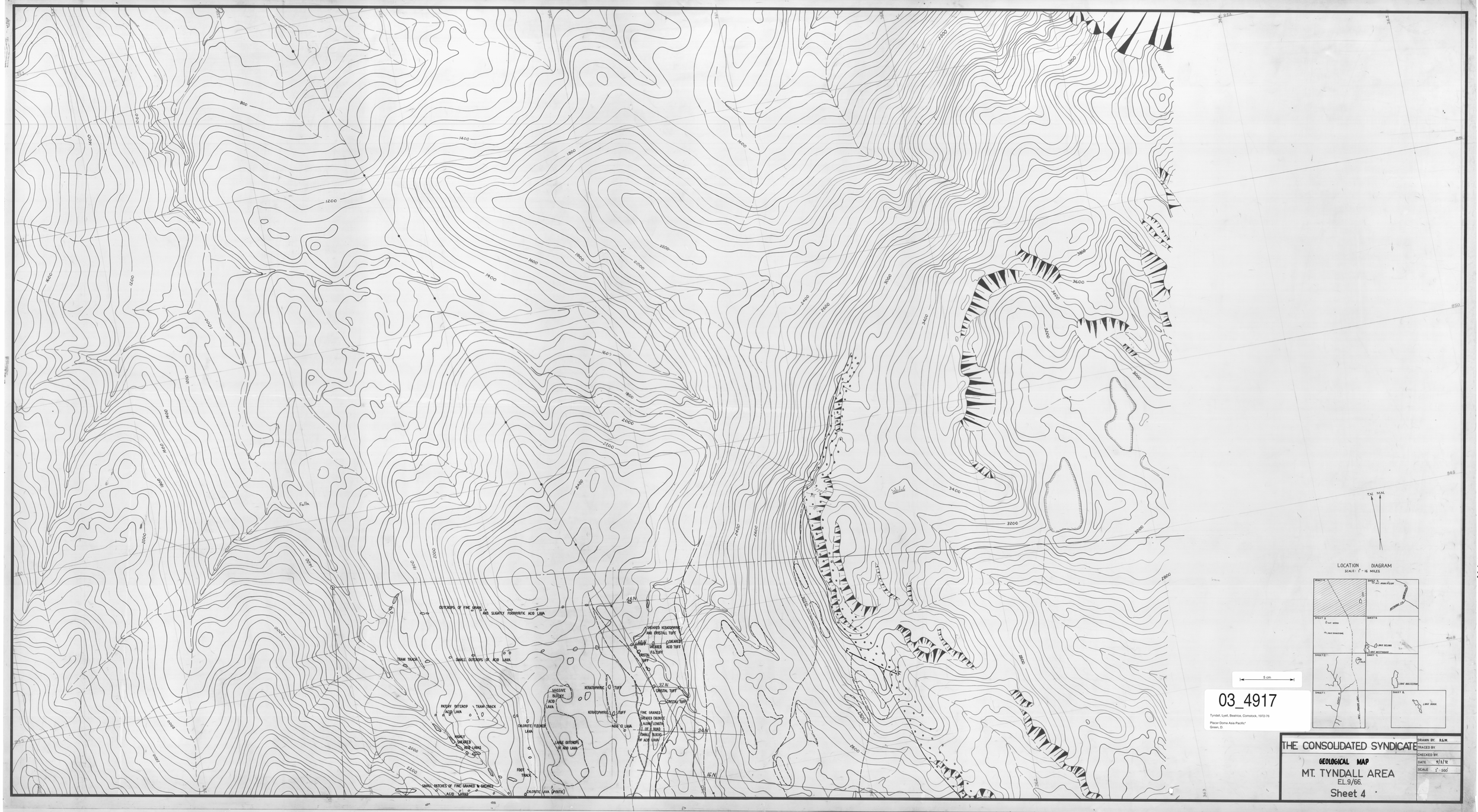
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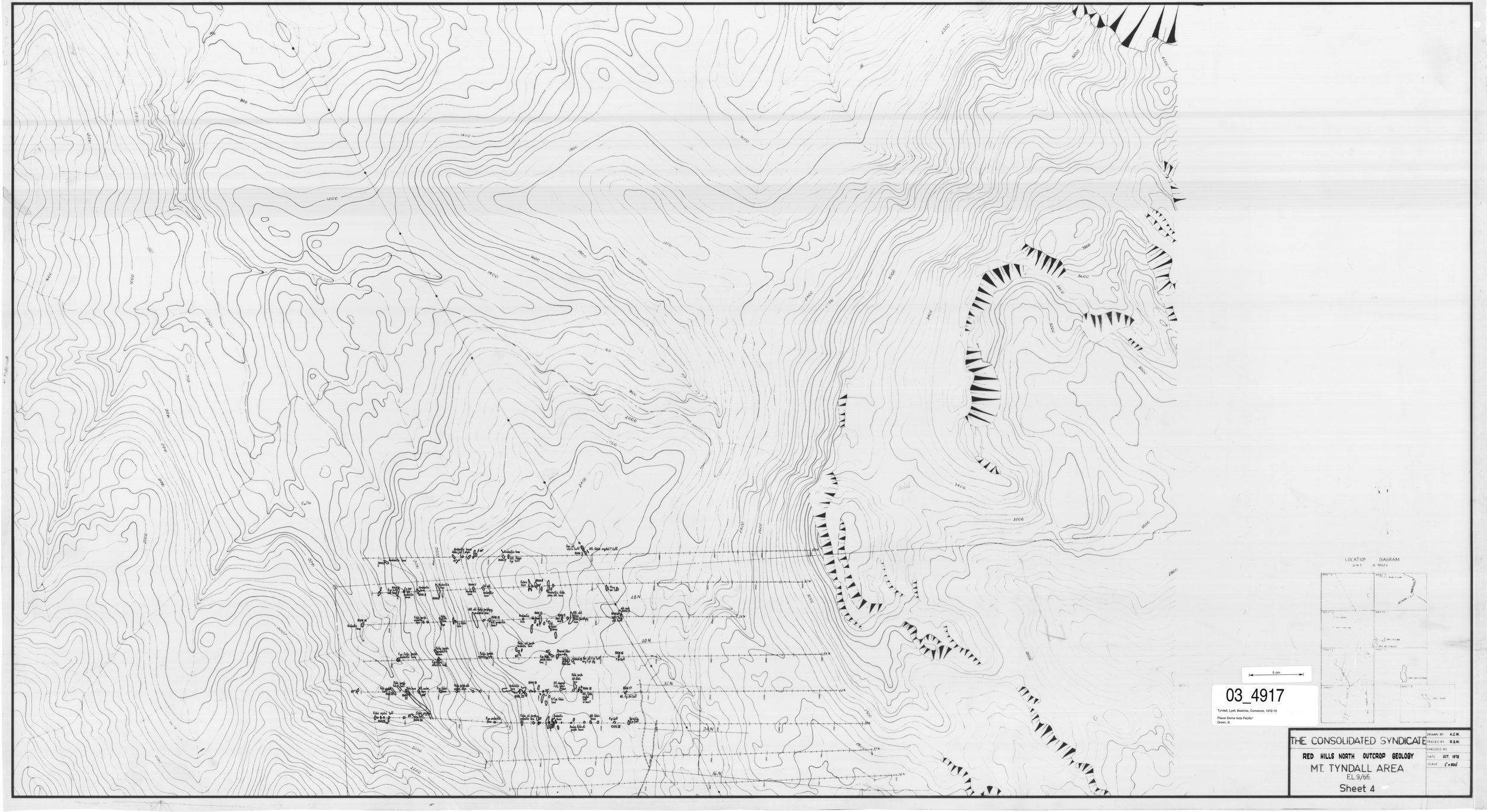
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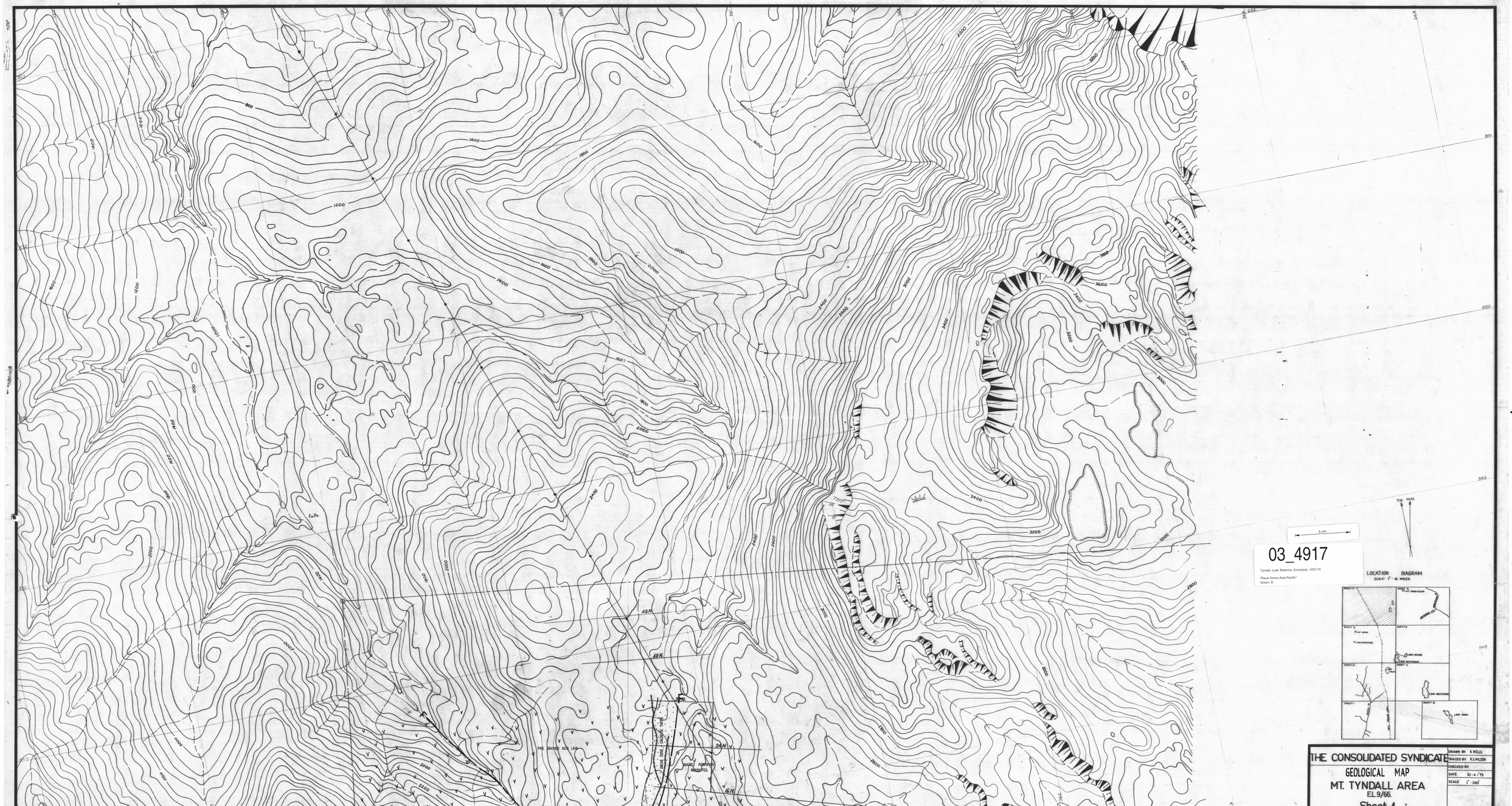


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