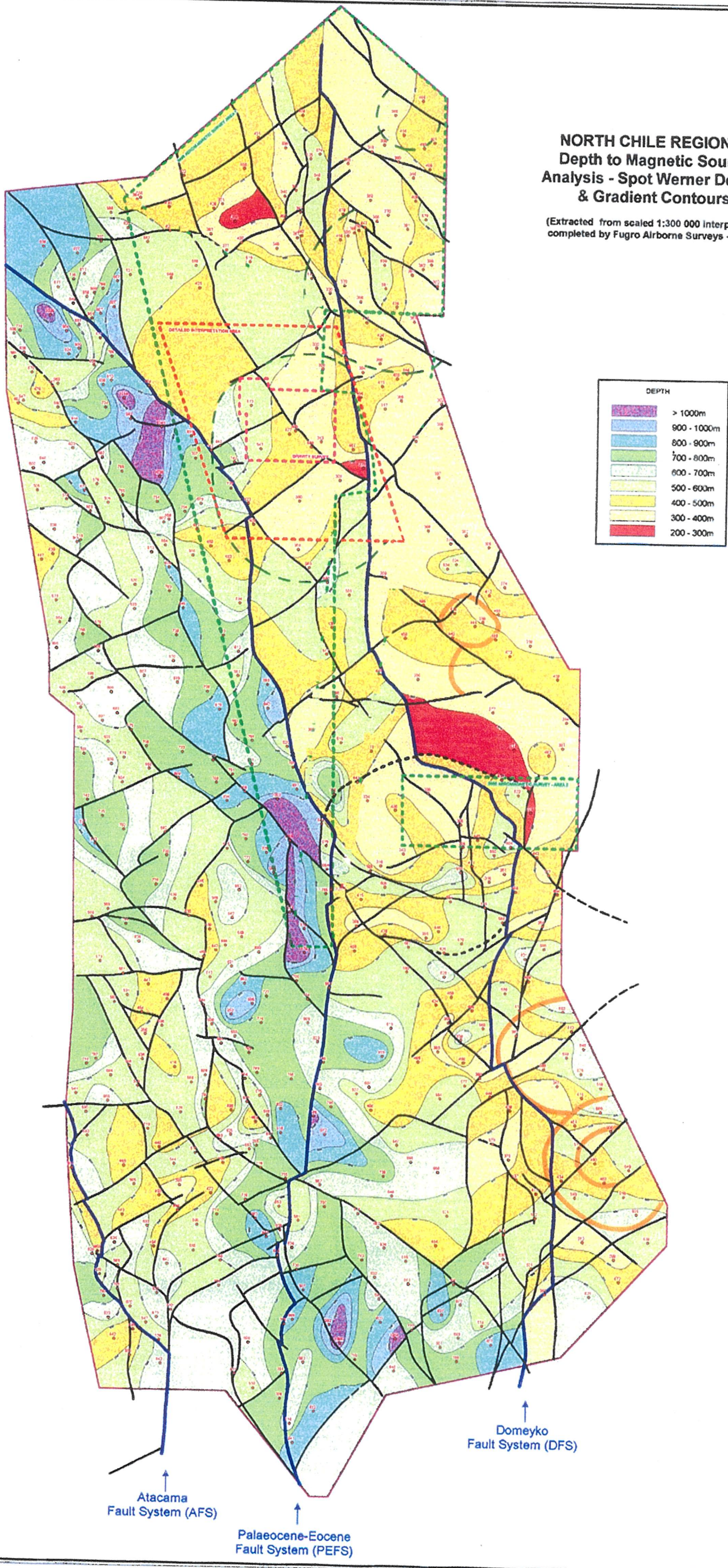


**NORTH CHILE REGION 1:
Depth to Magnetic Source
Analysis - Spot Werner Depths
& Gradient Contours**

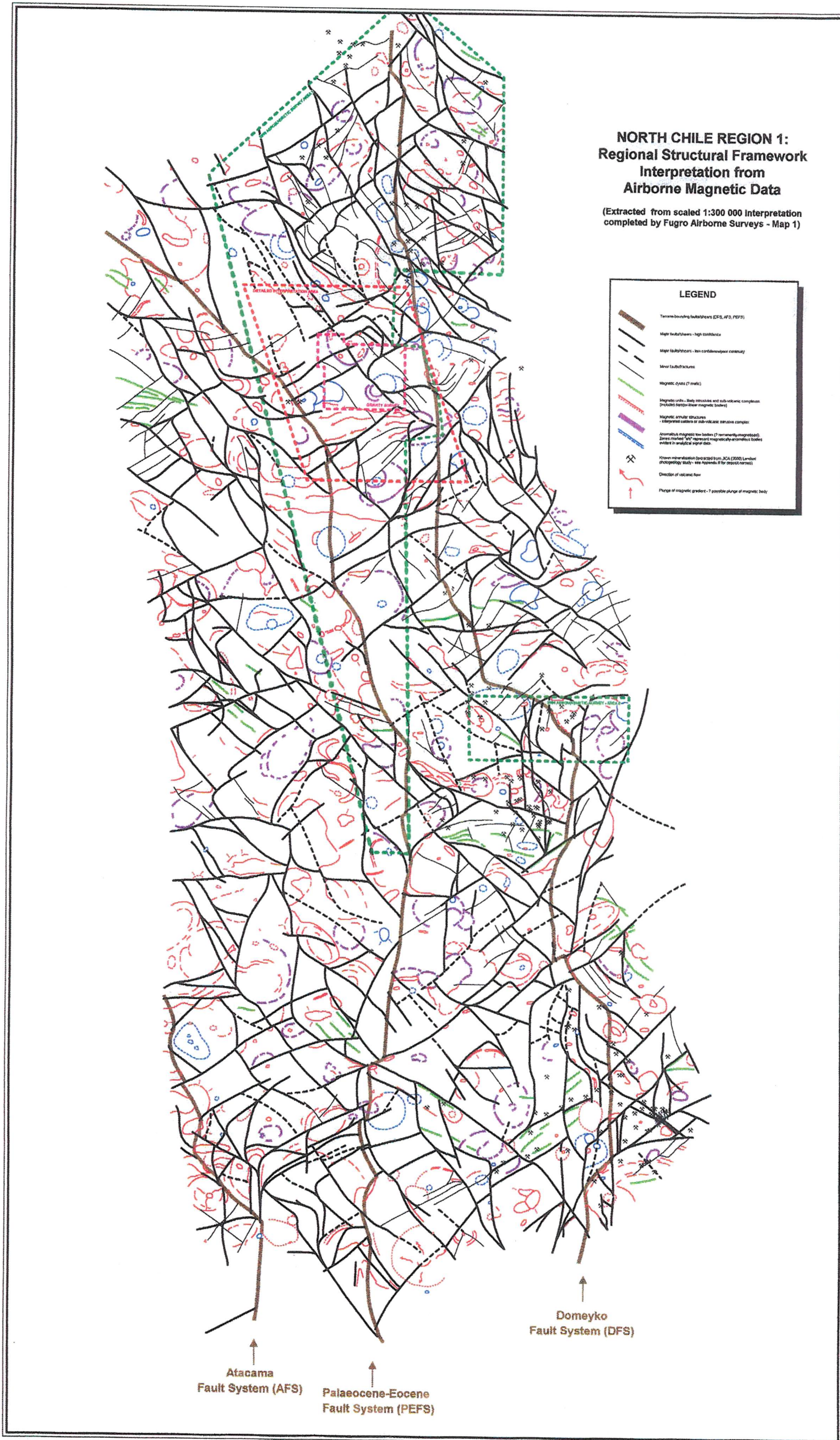
(Extracted from scaled 1:300 000 interpretation
completed by Fugro Airborne Surveys - Map 5)



Atacama
Fault System (AFS)

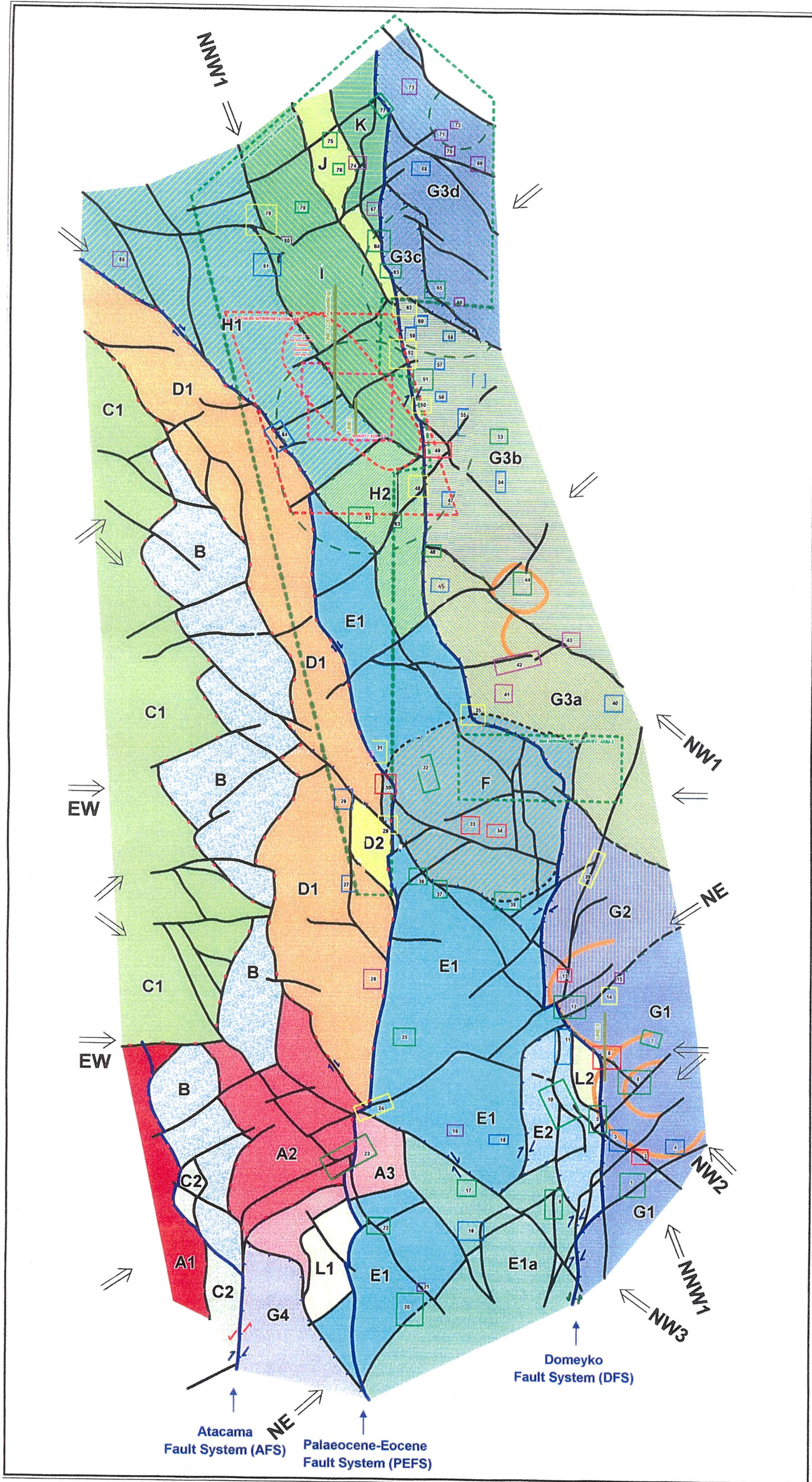
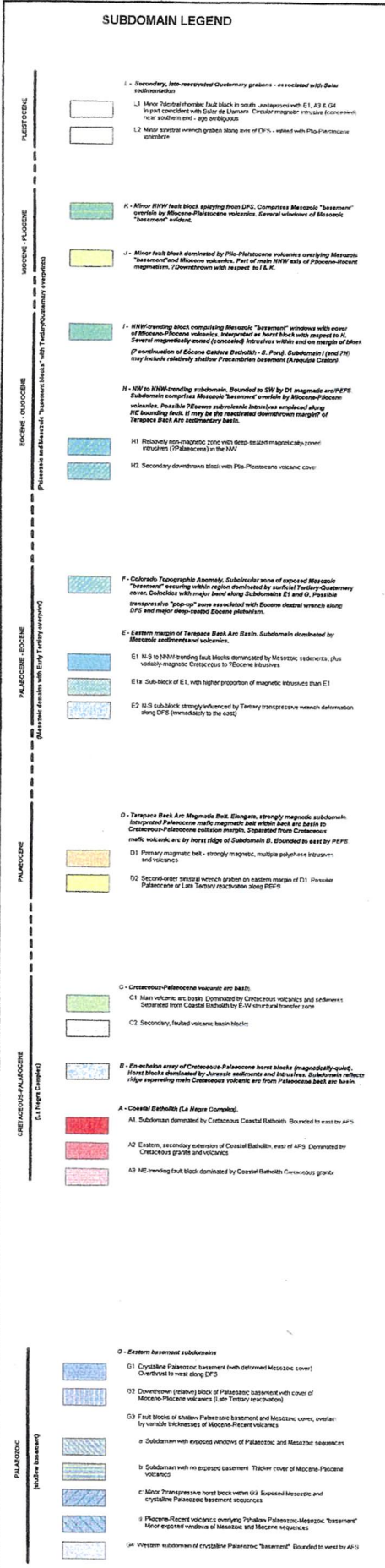
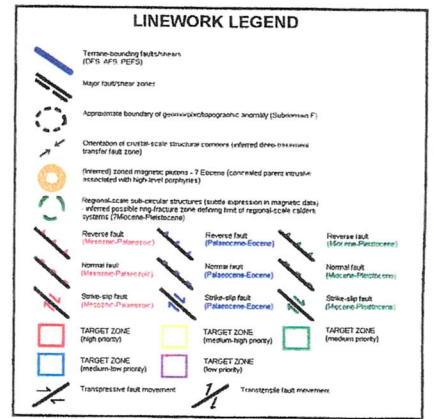
Palaeocene-Eocene
Fault System (PEFS)

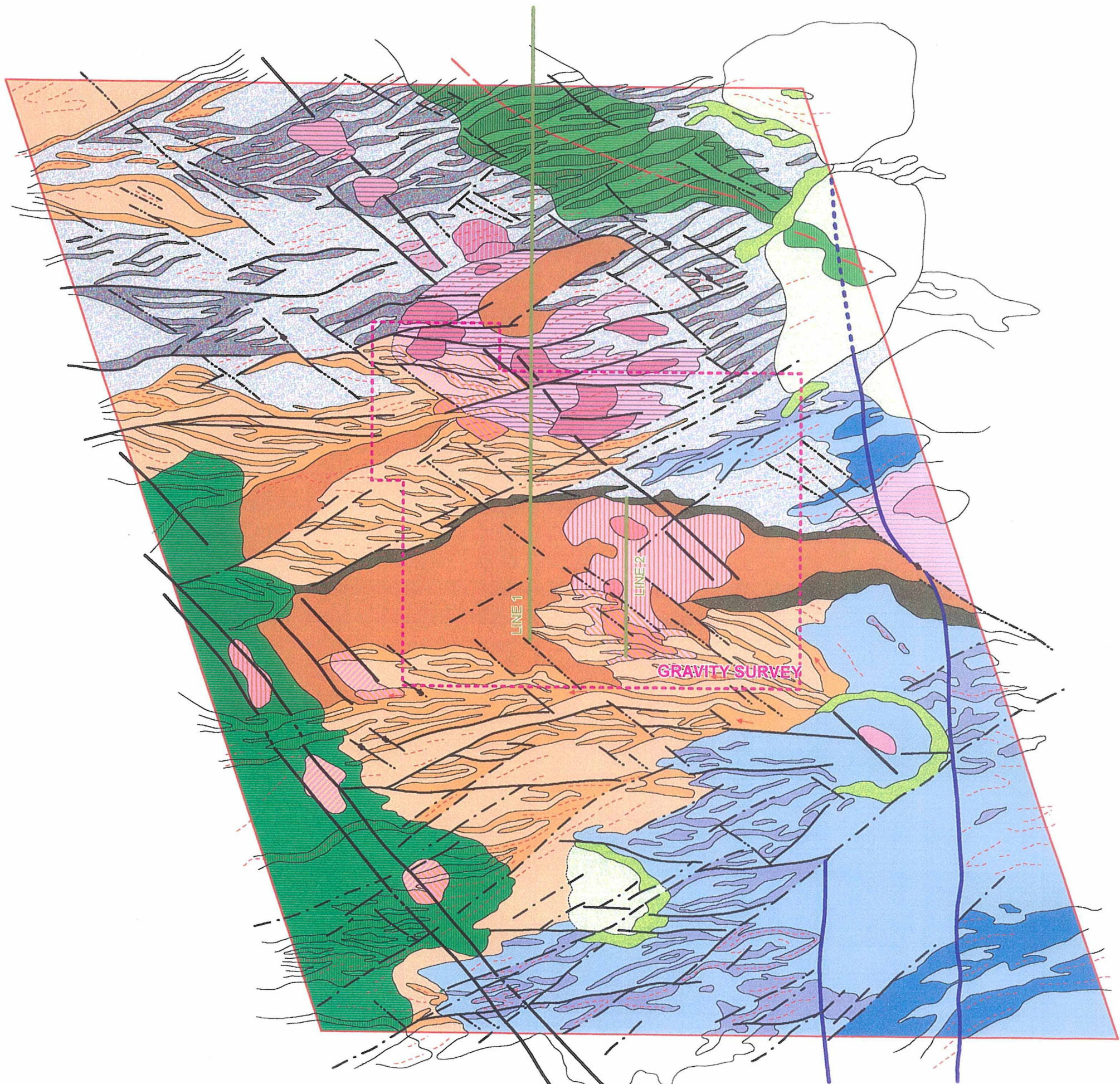
Domeyko
Fault System (DFS)



NORTH CHILE REGION 1: Principle Tectonic Elements & Exploration Target Zones

(Extracted from scaled 1:300 000 interpretation completed by Fugro Airborne Surveys - Map 2)



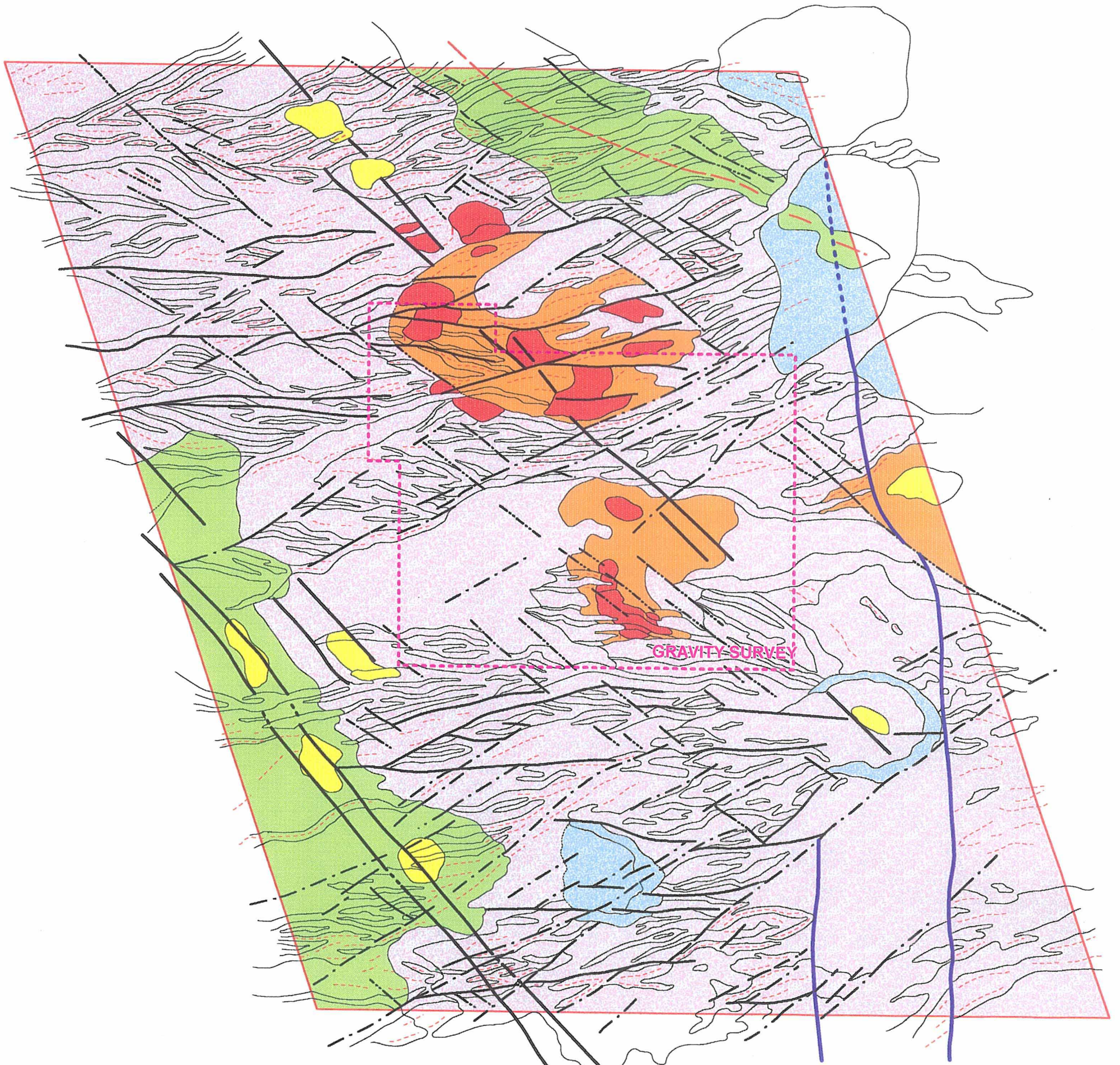


**NORTH CHILE REGION 1:
Solid Geology Interpretation
from Airborne Magnetic Data**

(Extracted from 1:100 000 scale interpretation
completed by Fugro Airborne Surveys - Map 3)

LITHOLOGY LEGEND	
TV1	Moderately-magnetic phase of low magnetic intensity unit. High frequency magnetic response is indicative of surface rocks, and indicates flow direction
TV1n	Non-magnetic phase of TV1 volcanic unit
TV1f	Moderately-magnetic phase of volcanic unit, but with a low frequency magnetic response, indicative of a deeper or covered unit.
TV1M	Moderately-magnetic Pliocene-Pleistocene volcanics overlying a discrete magnetic high associated with intrusives at depth
TV1Mn	Moderately-magnetic Pliocene-Pleistocene volcanics overlying a deep-seated intrusive centre.
TS	Moderately-magnetic, fine-medium grained sediments. High frequency magnetic response is indicative of surface rocks, and indicates flow direction.
TSn	Moderately-magnetic Miocene-Pliocene sediments overlying a discrete magnetic intrusion.
TSnM	Moderately-magnetic Miocene-Pliocene sediments overlying a discrete magnetic intrusion along the transfer fault zone
TSnMn	Moderately-magnetic Miocene-Pliocene sediments overlying a deep-seated intrusive centre
TSnMf	Moderately-magnetic Miocene-Pliocene sediments overlying strongly-magnetic intrusives and volcanics at depth.
TSn	Non-magnetic phase of moderate magnetic intensity, fine-medium grained sedimentary unit (TS)
TSnM	Non-magnetic Miocene-Pliocene sediments overlying a discrete magnetic intrusion.
TSnMn	Non-magnetic Miocene-Pliocene sediments overlying a deep-seated intrusive centre.
TSnMf	Non-magnetic Miocene-Pliocene sediments overlying strongly-magnetic intrusives and volcanics at depth.
TV	Non-magnetic acid volcanic rocks
TVn	Moderately-magnetic phase of acid volcanic unit TVn - defines the outer boundary of the unit.
TVnM	Non-magnetic Miocene-Pliocene volcanics overlying a discrete magnetic intrusion.
TVnMn	Non-magnetic Miocene-Pliocene volcanics overlying a discrete magnetic high associated with the transfer fault zone and intrusives at depth.
TVnMf	Non-magnetic Miocene-Pliocene volcanics overlying a deep-seated intrusive centre.
TVnMf	Non-magnetic Miocene-Pliocene volcanics overlying strongly-magnetic intrusives and volcanics.
TV1	Moderately-magnetic phase of acid volcanic unit - high frequency of magnetic response is indicative of surface rocks and indicates flow direction
TV1M	Moderately-magnetic Miocene-Pliocene volcanics overlying a discrete magnetic intrusion
TV1Mn	Moderately-magnetic Miocene-Pliocene volcanics overlying a discrete magnetic high associated with the transfer fault zone and intrusives at depth
TV1Mf	Moderately-magnetic Miocene-Pliocene volcanics overlying a deep-seated intrusive centre
TV1Mf	Moderately-magnetic Miocene-Pliocene volcanics overlying strongly-magnetic intrusives and volcanics at depth.
TV1n	Non-magnetic phase of moderate magnetic intensity Miocene-Pliocene volcanic unit.
TV1nM	Non-magnetic Miocene-Pliocene volcanic rocks overlying a discrete magnetic intrusion.
TV1nMn	Non-magnetic Miocene-Pliocene volcanics overlying a discrete magnetic intrusion associated with the transfer fault zone
TV1nMf	Non-magnetic Miocene-Pliocene volcanics overlying strongly-magnetic intrusives or volcanics at depth.
M	Strongly-magnetic aureole defining a volcanic centre.
N	Demagnetised zone (alteration) associated with a volcanic centre
NM	Demagnetised zone (alteration) overlying strongly-magnetic intrusives or volcanics at depth.
M	Moderately to strongly-magnetic intrusives. The low frequency magnetic response is indicative of a deeper unit, or that which is under cover

LINEWORK LEGEND	
	Lines for 2D modelling
	Regional fault (not apparent at this scale)
	Regional fault extension (inferred)
	Transfer fault zone
	Transfer fault zone (inferred extension)
	E-W old reactivation faults
	NW, late brittle faults
	NE, late brittle faults
	Lithomagnetic unit
	Inferred lithomagnetic unit
	Lithomagnetic trend
	'Deep' lithomagnetic trend
	Movement on fault
	Direction of volcanic flow



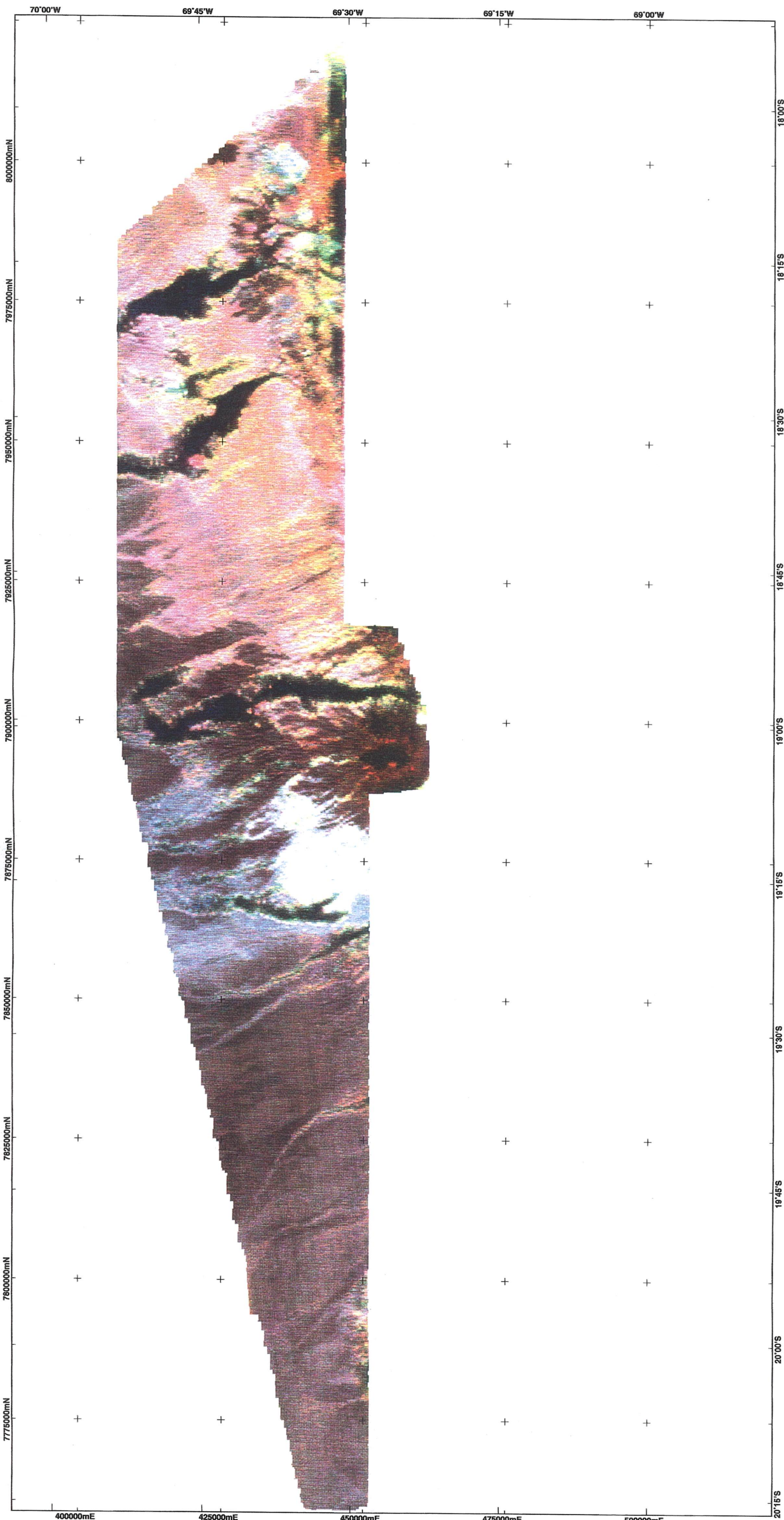
LINework LEGEND

	Lines for 2D modelling
	Regional fault (not apparent at this scale)
	Regional fault extension (inferred)
	Transfer fault zone
	Transfer fault zone (inferred extension)
	E-W old reactivation faults
	NW, late brittle faults
	NE, late brittle faults
	Lithomagnetic unit
	Inferred lithomagnetic unit
	Lithomagnetic trend
	'Deep' lithomagnetic trend
	Movement on fault
	Direction of volcanic flow

TARGET PRIORITIES

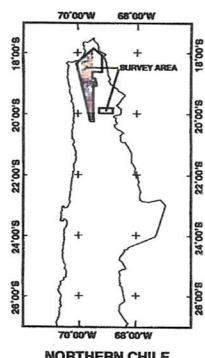
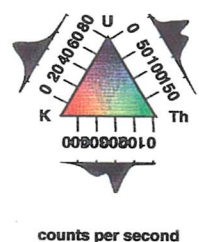
	Priority 1
	Priority 2
	Priority 3
	Priority 4
	Priority 5
	Priority 6

**NORTH CHILE REGION 1:
Target Priorities for
Detailed Solid Geology
Interpretation**
(Extracted from 1:100 000 Target Priority
Interpretation completed by
Fugro Airborne Surveys - Map 4)



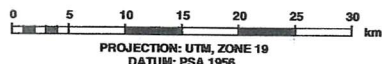
AIRCRAFT
C-GGVV PIPER CHEYENNE II
SPECTROMETER
GEOMETRICS GR-800
CYCLE RATE: 1.0 second
SAMPLE INTERVAL: 100 metres (average)
DATA ACQUISITION
MiniMag DIGITAL ACQUISITION SYSTEM
FLIGHT LINE SPACING
TRAVERSE LINES: 500 metres
TIE LINES: 5000 metres
FLIGHT LINE DIRECTION
TRAVERSE LINES: 000 - 180 degrees
TIE LINES: 090 - 270 degrees
SURVEY HEIGHT
MEAN TERRAIN CLEARANCE: 100 metres
NAVIGATION
DIFFERENTIAL GPS SATELLITE POSITIONING

RADIOMETRIC TERNARY
Data Processing
GRID CELL SIZE: 125 metres
PARALLAX CORRECTION: 1.6 fids/ctls



Mag North
Grid North
True North

Magnetic Model: IGRF 1995
Longitude: -69°03'4.88"
Latitude: -22°2'14.70"
Height: 0.0 metres
Year: 2000.8
Total Field: 23928.7 nT
Declination: -2°31'1.50"
Inclination: -16°58'38.82"
Grid/Magnetic Angle: -2°9'15.08"
Grid Convergence: -0°0'13.03"
Secular Variation: -0°9'27.56" per year



PROJECTION: UTM, ZONE 19
DATUM: PSA 1956

NIKKO EXPLORATION & DEVELOPMENT CO. LTD
Surveyed and compiled by:
FUGRO AIRBORNE SURVEYS PTY LTD
Job Number 1442
OCTOBER 2000 to FEBRUARY 2001

