



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.
Tv1i	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.
TsM	Moderately-magnetic Miocene-Pliocene sediments overlying a discrete magnetic intrusive.
TsM1	Moderately-magnetic Miocene-Pliocene sediments overlying a discrete magnetic intrusive along the transfer fault zone.
TsMn	Moderately-magnetic Miocene-Pliocene sediments overlying a deep-seated intrusive centre.
Tsn	Moderately-magnetic Miocene-Pliocene sediments overlying strongly-magnetic intrusives and volcanics at depth.
TsnM	Non-magnetic phase of moderate magnetic intensity, fine-medium grained sedimentary unit (Ts).
TsnMn	Non-magnetic Miocene-Pliocene sediments overlying a discrete magnetic intrusive.
TsnMn1	Non-magnetic Miocene-Pliocene sediments overlying a deep-seated intrusive centre.
TsnMn2	Non-magnetic Miocene-Pliocene sediments overlying strongly-magnetic intrusives and volcanics at depth.
Tvs	Non-magnetic acid volcanic rocks.
TvsM	Moderately-magnetic phase of acid volcanic unit Tv1 - defines the outer boundary of the unit.
TvsM1	Non-magnetic Miocene-Pliocene volcanics overlying a discrete magnetic intrusive.
TvsMn	Non-magnetic Miocene-Pliocene volcanics overlying a discrete magnetic high associated with the transfer fault zone and intrusives at depth.
TvsMn1	Non-magnetic Miocene-Pliocene volcanics overlying a deep-seated intrusive centre.
TvsMn2	Non-magnetic Miocene-Pliocene volcanics overlying strongly-magnetic intrusives and volcanics.
Tvs1	Moderately-magnetic phase of acid volcanic unit - high frequency of magnetic response is indicative of surface rocks and indicates flow direction.
Tvs1M	Moderately-magnetic Miocene-Pliocene volcanics overlying a discrete magnetic intrusive.
Tvs1M1	Moderately-magnetic Miocene-Pliocene volcanics overlying a discrete magnetic high associated with the transfer fault zone and intrusives at depth.
Tvs1Mn	Moderately-magnetic Miocene-Pliocene volcanics overlying strongly-magnetic intrusives and volcanics at depth.
Tvs1n	Non-magnetic phase of moderate magnetic intensity Miocene-Pliocene volcanic unit.
Tvs1nM	Non-magnetic Miocene-Pliocene volcanic rocks overlying a discrete magnetic intrusive.
Tvs1nM1	Non-magnetic Miocene-Pliocene volcanics overlying a discrete magnetic intrusive associated with the transfer fault zone.
Tvs1nM2	Non-magnetic Miocene-Pliocene volcanics overlying strongly-magnetic intrusives or volcanics at depth.
Mv	Strongly-magnetic aureole defining a volcanic centre.
Nv	Demagnetised zone (alteration) associated with a volcanic centre.
NvM	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