COMALCO LIMITED
DRILL HOLE LOG

5 cm

TAS-78-118

HOLE No: TSD 2
PROJECT: TIN SPUR
LOCATION: COMALCO TIN SPUR GRID CO-ORD 11005/565 W
ORIENTATION: VERTICAL
CORE SIZE: 0–27.00 NQ; 27.00–112.75 BQ
Photographed: Yes
DATE DRILLED: 1980
LOGGED BY: P. ASKINS
SCALE: 1:250

FROM	TO metres	GRAPHIC LOG	ROCK NAME	ORIGINAL ROCK (If different to rock name)	RECOVERY	WEATHERING	COLOUR	GRAIN SIZE	FABRIC TEXTURE COMPOSITION	MINERALIZATION (Sulphides cassiterite etc)	SCHEELITE by UV lamp	reaction to dilute HCl	BEDDING	FRACTURES BRECCIATION VEINING ETC	REMARKS
0	3.70		SANDSTONE		42	MW–HW	off white	m			NIL	NOT TESTED		Some irreg quartz veinlets	
	4.30				37										
	5.00				23	SW	pale green	f–m	massive, poorly bedded	silty. lim after dissem py.			55°		
5						SW		m							
			TUBICULAR SANDSTONE			SW local Fr cores	pale orange to reddish	m	Typical tubicular sandstone with indistinct bedding	Originally f–m dissem py, now limonite.	NIL		70° 8.80→	very minor quartz veins, some drusy.	
10															
	15.00				86	First locally SW	blue grey			–18.00 especially below here bleached zones for 1cm either side of some joints.				3cm qtz ± limonite at 90° 20.00→	
20	22.00												70° 21.50→		
22.70							white	m	broken	± dissem py	NIL			qtz vns ± py, sl, gn	
	23.80	M	QUARTZITE	SANDSTONE		First	grey	m	silty beds rotated by shearing?	dissem py + f sl, gn	NIL		0°–20°		SHEAR ZONE?
25		M					grey to off-white	m	original tubicular sandstone visible in places	Dissem py + f sl, gn throuout except where silicification is intense	NIL		70° 25.00→	Some irreg qtz veins.	
	28.60	M			80 88										
30			SANDSTONE								NIL				

30	32.60		SANDSTONE			First	grey	m	softer, bioturbated	much f-ℓ dissem py	NIL		slickensided qtz vein 70° 31.50 →
35	36.75	M M	QUARTZITE	CALC. SANDST.		First	grey-green	m	Probably a diopside bearing qtzite; bleached along fractures	crs dissem sl at 34° ↗	NIL	80° 32.60 ↗	
	37.45		ALT SS			First-SW	greys	f-m	interbedded, altered	Dissem ℓ gn sl	NIL	80°	some minor vnlts
TM	38.75	M	QTZITE, CS, RK	calc. ss.		First	greys/greens	f-m		Dissem f-m gn sl py cp	NIL		ditto; chl rich frs at 20°
40	41.55		SANDSTONE			Fr, SW locally	greys	f-m	interbedded ss some 'dirty' & porous friable ss which is greisen like under magnification	ℓ dissem black specks ℓ py in pl in porous ss	NIL	80°	
45			SANDSTONE-SILTSTONE			First	greys	f-m	finely bedded. wispy looking bedding due to bioturbation	trace ℓ dissem py	NIL	80°	
50													
55	55.75												
	58.30		SANDSTONE			First	white	m-crs	gritty beds; porous in places		NIL	50° steepens to 70°	fracture parallel to core
60		M	QUARTZITE-SILTY SANDSTONE			Fr-First	white-cream	f-crs	recrystallized siliceous hard white quartzite interbedded with cream silty sandstone which has bioturbated bedding		NIL	50° 58.75	
65	65.60	M										80° 63	
70		M M	QUARTZITE-SILTY SANDSTONE				Similar to more		above but less quartzite and silty sandstone		NIL	80°	
75		M											

NOT TESTED

5 cm

75	76.60	M								
77.60			SANDSTONE	First	greenish	f-m	Tubicular type	NIL		
80		M	QUARTZITE-SILTY SANDSTONE							
85		M		Fr	Similar to 65.60–76.60			NIL		60° 82 – 50° 87 –
90		M								40° 92 –
	93.90	M								
95			GRITTY SANDSTONE	Fr	pale greenish	f-crs	sub angular quartz pebbles up to 1cm	NIL	NOT TESTED	
00	97.50		GRITTY SANDSTONE	Fr	reddish	f-crs	similar to that in hole TSD1 — many hematite rich pisolite like pebbles	NIL		60°-70° 60° 99.50 –
	102.00									
05			SANDSTONE	Fr	mostly pale green	f-crs	sandstone, gritty in places, hematite rich in places, some pisolites in places bedding indistinct	NIL		irreg qtz veins 103.50 – 104 overall at 60° very fractured predominantly sub-parallel to core. chloritic alteration tr py associated.
10	112.75									
115			END OF HOLE							

75

5 cm