

PROJECT: Basalt Drilling Project
 OBJECTIVE: Test an aeromagnetic anomaly interpreted as due to a localised, sub-basaltic magnetic source in basement rocks.
 PROPOSED BY: P.L.F. Collins LOGGED BY: _____

LOCATION: 1 km northwest of Fingerpost; just north of HEC transmission line, 300m east of Murchison Highway
 MAP SHEET: 8015-III (Waratah) GEOL. ATLAS: St Valentines
 A.M.G. CO-ORDS: 382 811 mE 5412710.5 mN
 COLLAR RL: 624.0 m TOTAL DEPTH: 400 m
 COLLAR DIP: -90° (vertical) AZIMUTH: _____
 DATE COMMENCED: 7 April, 1986 DATE COMPLETED: 30 May, 1986
 DRILL RIG: Longyear 44
 DRILL CREW: D. Whammond, K. Barrett

HOLE SIZE:
 HR core to _____ m
 NR core to 400 m
 _____ to _____ m
 _____ to _____ m
 _____ to _____ m

HOLE CONDITION AFTER COMPLETION:
Poly pipe to 196m, below this hole is closed-off by expansive clays

SURVEY DATA INSTRUMENT:

DEPTH	INCLINATION		AZIMUTH		COMMENTS
	As read	Dip	As read, °M	°A.M.G.	
355m	0.5°		S 25° E		
358m	0.5°		due S		(approximate)
370m	0.5°		N 53° W		

SUMMARY GEOLOGICAL LOG

From (m)	To (m)	ROCK DESCRIPTION
		TERTIARY
0.0	186.8	Massive and vesicular lava flows with minor thin interflow sediments. Oxidised red hematitic zones in places.
186.8	188.0	Conglomeratic tuff. Lithic tuff containing rounded pebbles of quartz, quartzite and sandstone in massive fine-medium grained tuffaceous matrix.
188.0	191.75	Massive, bedded and thinly laminated lithic tuff with sparse pebbles. Bedding 75-80° to core axis.
191.75	203.3	Thinly bedded - laminated, light - dark brown silty and mud with organic detritus and thin coal bands (eg 193.3-194.5m). Bedding 90°-70° to core axis, though bedding is disturbed in places. Grading in thicker beds towards base of section.
203.3	204.2	Conglomerate with sandy matrix, from grading to finer matrix and smaller pebbles up hole. PRECAMBRIAN(?)
204.2	400.0	Thinly bedded, bluegrey - black mudstone and siltstone with thin sandstone interbeds. Minor sedimentary pyrite and pyrite fragments in sedimentary breccias (eg 293m, 374m.)

SUMMARY GEOCHEMICAL DATA (g/t unless specified)

From	To	Length	Rec. (%)						

REPORT REFERENCE: _____

OTHER COMMENTS: _____

8th Oct'86

Traces for P. Collins, Fingerpost Hill DDH
 Project Number 3385 Reg. No. 861611-861622

Description	FP 1	FP 2	FP 3	FP 4	FP 5	FP 6
Reg. No	861611	861612	861613	861614	861615	861616
Ag	<5	<5	<5	<5	<5	<5
As	<10	<10	<10	<10	<10	<10
Co	9	10	12	11	7	32
Cu	34	33	37	47	32	59
Mo	7	5	7	10	7	21
Ni	20	18	21	27	21	44
Pb	21	30	31	33	19	69
Sb	<4	<4	<4	<4	<4	9
Sn	13	4	5	5	5	8
U	<5	6	<5	5	6	<5
W	<9	10	<9	<9	<9	12
Zn	82	73	100	170	220	250

Description	FP 7	FP 8	FP 9	FP 10	FP 11	FP 12
Reg. No	861617	861618	861619	861620	861621	861622
Ag	5	<5	<5	<5	<5	<5
As	<10	<10	17	<10	<10	24
Co	9	7	12	9	10	9
Cu	29	25	28	28	31	31
Mo	7	7	6	7	5	7
Ni	15	20	23	16	19	19
Pb	45	38	68	23	25	31
Sb	<4	<4	<4	<4	<4	<4
Sn	4	<4	<4	6	5	6
U	<5	<5	<5	<5	<5	<5
W	<9	<9	<9	9	<9	<9
Zn	185	210	470	260	75	89

Analyses by *M.F.*

DOIN	A.O.	10	10	L.D.
10 OCT 1986				
DEPT. OF MINES				
357 No. 10, 210/22				

P.L.C.

[Handwritten Signature]

(P.L. James)
 Acting Chief Chemist & Metallurgist