REMSON LIMITED - DRILL CORE RECORD

HOLE NUMBER	S 650
PURPOSE	TO TEST THE NORTH BASSETT AT 1800 RL AND THE MINE SEQUENCE.
LOCATION	DUNKLEY TOWN.
COLLAR R.L.	2201.934
CO-ORDINATES	21405.624 N 15046.369 E
LENGTH	557.0m.
HOLE SIZE	Tricone 0 - 19.0m NQ 19 159.5m; BQ 159.5 - 557.0m
DATE DRILLED	27.2.80 - 29.3.80
SIGNIFICANT CORE LOSS ZONES	19.0 - 62.2m average of 34% core loss. 511.9-526.8m average 6% core loss in graphitic shale sequence.
ORE ZONE GROUND CONDITIONS	NO ORE.
LOGGED BY	C. WILSON
COMMENTS	North Bassett unmineralized, however there is 8m of disseminated pyrite in the tuff unit immediately preceding the fault zone. The hole intersected a thick Red Rock Member followed by 16m of ?Red Rock/carbonate breccia-conglomerate, then through a fault into a graphitic shale sequence well below the No. 3. 60cm of massive pyrite was interected in the shales but contained no tin.

SURVEY			From - To	Distance D	VERTICAL		HORIZONTAL	
Depth	Bearing	Dip			D.Sin.Dip	R.L.	D.Cos.Dip	Prog. Total
0.0	230.5	- 64.3	0 - 9.0	9.00	8.11	2193.82	3.90	3.90
18m	-	- 65.7	- 37.75	28.75	26.20	2167.62	11.83	15.73
57.5m	230	- 66	- 81.5	43.75	39.97	2127.65	17.79	33.52
105.5m	236	- 64.5	- 131.0	49.50	44.68	2082.97	21.31	54.83
156.5m	243	- 61	- 182.75	51.75	45.26	2037.71	25.09	79.92
209m	251.5	- 57.5	- 244.75	62.00	52.29	1985.42	33.31	113.23
280.5m	252.5	- 54.5	- 307.0	62.25	50.68	1934.74	36.15	149.38
333.5m	255	- 52	- 362.25	55.25	43.54	1891.20	34.02	183.40
391.0m	255	- 49	- 416.25	54.00	40.75	1850.45	35.43	218.83
441.5m	256.5	- 45	- 476.25	60.00	42.43	1808.02	42.43	261.26
511.0m	245.5	- 50.3	- 533.25	57.00	43.86	1764.16	36.41	297.67
555.5m	244.5	- 47.7	- 557.0	23.75	17.57	1746.59	15.98	313.65

SUMMARY - ASSAY DATA

LODE NAME	FROM	TO	LENGTH (m)	AVERAGE WEIGHTED ASSAYS													B.C.A.
				Sn.	Acid Sol. Sn.	Cu.	As.	S.	Pb.	Zn.	Bi.	WO_3	Ag g/t				
North Bassett	409.3	414.5	5.2														
Fault	227.2	231.0	3.8														
Fault	471.2	473.6	2.3														

NWPS 27344

DIAMOND DRILL RECORD

HOLE NUMBER : S 650

LOGGED BY : C. WILSON

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3
0	19			TRICONE HQ	NC												
19.0	29.0	5.7	57.0	Purple-brown weathered tuffs and siltstones. Core is very broken and crumbly and joint surfaces are oxidized. Tuff fragments are generally light coloured; angular purple siltstone fragments also occur.													
29.0	62.2	23.4	75.0	GREY-GREEN & YELLOW-BROWN TUFFS AND SILTSTONES Rocks very weathered, broken and crumbly. Brown oxide staining on core & joints. B.C.A. 75°	CCF												
62.2	78.0	14.9	91.9	PURPLE AND GREY-GREEN TUFFS AND SILTSTONES Dominantly purple to purple-brown tuffs and siltstones with minor grey-green beds. Core is less weathered and broken than previous units. Oxidization occurs on joint surfaces up to 72.0m. BCA 70°-80°. Calcite bleb at 73.0m. Quartz veining near end of unit.	CCF												
78.0	156.3	78.3	100	CRIMSON TUFFS, SILTSTONES Poorly to moderately well bedded crimson tuffs and siltstones with minor light grey-green interbeds e.g. between 98.0 and 104.0m. Abundant calcite veining throughout. Greenish rock containing chlorite 108 - 108.4m. Chlorite occurs elsewhere in veins and on joints. Broken core, chlorite and minor pyrite from 131.5 - 132.0m. Cross-bedding in laminations at about 142m. Moderately well jointed parallel to bedding, B.C.A. averages 45° - 50°.	CCF												
156.3	186.0	29.7	100	INTERBEDDED TUFFS, SILTSTONES Crimson, grey and green, fine to coarse grained tuffs interbedded with finely bedded siltstones. Tuff fragments range from <1mm up to 2-3cm, the larger ones usually being elongate. Chlorite occurs between 156.5 - 159.5m and 168.4 - 168.8m. Calcite veins are not as common as in previous unit, but trace pyrite occurs with some veins and along siltstone bedding planes. Moderate jointing at high angles to C.A. B.C.A. at 165m - 80°; at 179.5m-45°. Tuffs are poorly bedded.	CCF												
186.0	227.2	41.2	100	TUFFS, TUFFACEOUS GREYWACKES, MINOR SILTSTONE Green-grey, fine medium and locally coarse grained tuffs and tuffaceous greywackes which are weakly to highly calcareous, interbedded with pale green and darker grey-green finely bedded siltstone. Chlorite occurs throughout as veins and along bedding.	CCF												

DIAMOND DRILL RECORD

HOLE NUMBER : S 650

LOGGED BY : C. WILSON

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3
				Coarse (2cm) red-brown tuff fragments occur at 207.5m and black ones at 218.3m. Sparse to moderate calcite veining except for localized brecciated zones at 188.8 and 224.5 - 225.8m. Finely brecciated zone cemented with calcite and a black material at 216.8m. Sparse pyrite as blebs . Minor to moderate jointing at high angles and parallel to bedding B.C.A. 70.°													
227.2	231.0	3.8	100	ROCK BRECCIA, CARBONATE MINOR QUARTZ Green-grey to grey tuff breccia healed with white, pink and cream carbonate, minor quartz and sparse pyrite. Broken core on hangingwall.	F												
231.0	262.4	31.4	100	TUFFS, VERY MINOR SILTSTONE Green-grey and grey fine -medium grained calcareous tuffs with minor pale green and light grey siltstone. Calcite veining is common; some carbonaceous zones occur as well as black tourmaline(?) Quartz, chlorite, calcite, carbonaceous and tuffaceous rock breccia zone 243.1 - 243.5m. Coarse tuff band 260.9 - 270.1m Core is broken at 251.3m and broken and clayey at 253.8m. Minor breccia zones healed with calcite occur throughout. Siltstone BCA 70.°	CCF												
262.4	269.0	6.8	100	LAPILLI TUFF Medium-dark grey tuff with fragments both rounded and angular varying from 1mm - 1cm. The fragments are dark and light, some being wholly or partially replaced with pyrite. Smaller units of dark siltstone occur within the tuff, and these contain disseminated pyrite as lineations parallel to bedding (?) as well as randomly Calcite veining is common and the whole unit is highly calcareous. BCA (?) 80° - 85.°	CCF			Sn. Ana.									
						262.4	263.4	.02									
							264.4	.03									
							265.4	.05									
							266.4	.10									
							267.4	.02									
							268.4	.02									
269.0	314.0	45.0	100	INTERBEDDED TUFFS, TUFFACEOUS GREYWACKES AND SILTSTONES Green-grey and grey fine-medium grained and locally coarse tuffs and tuffaceous greywackes interbedded with dark and light grey siltstones. The tuffs are well bedded in places and are highly calcareous. Calcite occurs as veinlets and veins, some up to 10cm thick. Numerous fracture zones healed with calcite. Siltstones are poorly to well bedded and calcareous throughout most of unit. Towards end of unit they are very well bedded, brecciated and microfaulted and are non-calcareous. Quartz, carbonate-chlorite breccia zones at 309.8 and 313.2 - 313.6m. Broken core at 299.5m. Moderate jointing at dominantly high angles. B.C.A. averages 70.°	CCF												

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DIAMOND DRILL RECORD

HOLE NUMBER : S650

LOGGED BY : C. WILSON

NWPS

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3
314.0	334.7	20.7	100	TUFFACEOUS GREYWACKE, SILTSTONES, MINOR CHERTY SILTSTONES Yellow-grey, and grey tuffaceous calcareous greywackes and siltstones with light grey-fawn cherty siltstones near end of unit. Minor to moderate calcite veining, fracture zones healed with calcite at 333.0 - 333.7m. Trace pyrite. Siltstones are finely bedded in places - some cross bedding. B.C.A. averages 80.° Broken core 330.5 - 331.5m.	CCF												
334.7	335.7	1.0	100	ROCK BRECCIA CARBONATE Brecciated and contorted dark grey shales and light grey siltstones with abundant carbonate. Massive white carbonate 335.4 - 335.7m. Minor quartz. Clayey footwall.	F												
335.7	340.6	4.9	100	CHERTY SILTSTONES MINOR CALCAREOUS SILTSTONES Pale grey, fawn, pink and green-grey cherty siltstones with minor calcareous bands. Abundant calcite veining (10cm vein at 337.8m) Minor chlorite in fracture zones.	CCF												
340.6	384.9	44.3	100	INTERBEDDED SILTSTONES AND TUFFS Light grey, fawn, purple-grey and dark grey well bedded siltstones interbedded with light grey fine-medium grained tuff with minor coarser beds. The siltstones are both cherty and calcareous generally finaly bedded and laminated, and show many intraformational features such as microfaulting, slumping and fragmentation and ptigmatic folding. Localized distorted zones with abundant calcite. Trace pyrite along bedding planes. Siltstone BCA 50°- 80°. The tuffs are generally calcareous, some of the darker bands containing finely disseminated pyrite. Coarse elongate tuff fragments 358.6m. Moderate calcite veining and joints are at high angles to C.A. Tuffs are generally poorly bedded to massive.	CCF												
384.9	401.5	16.6	100	TUFFS, TUFFACEOUS SILTSTONES Grey and fawn mottled tuffs, tuffaceous siltstones and minor cherty siltstones. This unit is poorly to moderately well bedded with only minor calcite veining 2-3cm veins at start of unit, at 386.2m and at end of unit. The tuffs are mottled with darker fine-medium size grains and contain fine blebs of pyrite increasing in abundance from 394.0m to end of unit. Very minor pyrite veining	CCF												

022

DIAMOND DRILL RECORD

HOLE NUMBER : S650

LOGGED BY : C. WILSON

RWPS

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3
401.5	408.3	6.8	100	ALTERED TUFFS, TUFFACEOUS SILTSTONES, disseminated sulphide. Dark , medium and light grey calcareous and non calcareous tuffs ? (?) tuffaceous siltstones with minor paler ?dolomite bands. Pyrite occurs as finely disseminated specks, larger aggregate bands and veinlets. Very minor white calcite veins. Bedding is apparent in places 402.5 - 65° 405.5m - 80.°	CCF	401.0	402.0	0.01	0.01	0.04	<0.1	1.9	<0.01	0.01	0.001	2	<0.01
							403.0	0.02	0.01	0.04	<0.1	2.4	<0.01	0.01	0.001	3	<0.01
							404.0	<0.01	<0.01	0.04	<0.1	3.2	<0.01	0.01	0.002	3	<0.01
							405.0	<0.01	<0.01	0.04	<0.1	3.1	<0.01	0.02	0.004	2	<0.01
							406.0	<0.01	0.01	0.05	<0.1	2.0	0.23	0.48	0.002	4	0.01
							407.0	<0.01	0.01	0.05	<0.1	2.6	<0.01	0.01	0.002	2	<0.01
							408.0	<0.01	0.01	0.05	<0.1	2.3	<0.01	0.01	0.002	2	<0.01
408.3	409.3	1.0	100	DISTURBED SHALE, TUFF Dark grey-black disturbed shale with lighter, grey-fawn ?tuff fragments. This unit appears to have undergone much brecciation and contortion. Many fragments are elongate and exhibit some kind of alignment? due to stress. Minor calcite veining.	CCF		409.0	<0.01	0.01	0.04	<0.1	1.0	<0.01	0.02	0.001	2	0.01
							410.0	<0.01	0.01	0.03	<0.1	1.8	0.03	0.06	0.003	4	<0.01
						410.3	410.3	0.01	0.	0.04	<0.1	0.2	0.02	0.02			<0.01
							412.3	0.01		0.03	"	0.1	0.02	0.01			"
							413.3	<0.01		0.05	"	0.2	0.01	<0.01			"
							414.3	<0.01		0.03	"	<0.1	<0.01	"			"
409.3	410.5	1.2	100	DISTURBED SHALE, CARBONATE minor QUARTZITE AND QUARTZ Black, very disturbed shale with abundant buff, carbonate; light grey quartzite with aggregates of pyrite; 4cm quartz, carbonate vein 409.5; 10cm carbonate vein at 410.3m; ?sedimentary breccia - 409.8m.	?NB		415.3	0.01		0.03	"	"	"	"			"
							416.3	0.01		0.04	"	"	"	0.01			"
							417.0	0.02		0.03	"	"	"	0.01			"
410.5	411.05	0.55	100	CONGLOMERATE BRECCIA Grey-green and brown conglomerate breccia with carbonate and quartz as veins and healing fractures. This unit is very similar to the ?Red Rock unit that follows the ?North Bassett fault zone. Very sharp contact at 60° to C.A. with following quartzite and shale unit Core very broken in first half of unit.	?N.B.												
411.05	414.0	2.95	100	QUARTZITES, SILTSTONES minor Graphitic Shale Medium and dark grey quartzites with intense quartz and carbonate. veining and some siltstone fragments and healed fractures. Black, highly graphitic shales with minor - moderate white carbonate veining. Intense carbonate and quartz veining at 412.3 - 412.4m. Brecciated and carbonate veined siltstone. Broken core throughout unit.	NB?												
414.0	414.5	.5	100	QUARTZITE, CARBONATE AND QUARTZ Grey quartzite with abundant white carbonate and quartz.	NB?												
414.5	418.8	4.3	100	SILTSTONE AND QUARTZITE Dark grey siltstone interbedded with medium grey quartzite and very minor black shale. Contacts between siltstone ? quartzite are sometimes planar and sometimes irregular and fragmental. Core is broken in places. Very minor carbonate & quartz veining increasing towards end of unit. Possible bedding at 417.8, 50°-60° to C.A.	??												

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DIAMOND DRILL RECORD

HOLE NUMBER : S 650

LOGGED BY : C. WILSON

MWPS

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3
418.8	422.3	3.5	100	CONGLOMERATE Grey-green to green, generally very coarse conglomerate. Fragments vary from 1-2mm up to several centimetres and are subangular to rounded. Fragments appear to be mainly tuffaceous with some quartzitic pebbles, dark siltstone and sparse red cherts. Calcite veining and healed fractures common.	?RRM												
422.3	428.0	5.7	100	DISTURBED SILTSTONE, CONGLOMERATE Dark and light grey, brecciated and carbonate veined, siliceous siltstone grading into a dominantly dark grey chert conglomerate with patches of lesser disturbed siliceous siltstone and green tuffaceous conglomerate (as in previous unit).	?RRM												
428.0	431.0	3.0	100	CHERT Pale green and grey generally massive cherts with minor conglomerate bands e.g. 429.4 and 430.0m Banding (?bedding) occurs in places but is poorly developed. Some bright red bands, minor-moderate quartz veining. ?BCA at 428.0 65.° Banding to C.A. at 428.5 - 0° at 430.8m - 40°	?RRM												
431.0	433.9	2.9	100	CHERTS, CHERTY SILTSTONES Red-brown massive to poorly banded cherts and cherty siltstones. Minor fine quartz and carbonate veining. Broken core 431.7 - 431.9m Well jointed at high and very low angles.	?RRM												
433.9	435.9	2.0	100	CHERTS, CHERTY SILTSTONES, CHERT BRECCIA Grey-pink and red-brown cherts and cherty siltstones with carbonate and chlorite veining; broken core from 434.4 to 434.6 Chert breccia zone with angular - sub rounded red, pink and grey fragments varying from 1-2m up to 3-4cm and cemented with a siliceous material, carbonate and ?chlorite.	?RRM												
435.9	452.7	16.8	100	CHERTS, CHERTY SILTSTONES Red-brown cherts interbedded with crimson cherty siltstones and minor green-grey cherts and siltstones. Bedding is better developed near end of unit. 5cm carbonate vein at 436.7m minor fine veining elsewhere. BCA at 437.8 - 50° at 451.0m - 80.°	?RRM												

024

DIAMOND DRILL RECORD

HOLE NUMBER : S 650

LOGGED BY : C. WILSON

MWPS

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3
452.7	469.0	16.3	100	SILTSTONE-CARBONATE CONGLOMERATE ?BRECCIA	??												
				This unit is dominantly a conglomeratic ?breccia of purple siltstone; purple, red, grey, pink and white conglomerate and containing an abundance of variable sized and shaped buff and grey coloured carbonate fragments. A metre long unit of purple banded, red-brown cherty siltstone occurs from 455.8 - 456.8m.												
				Contact of this conglomerate unit with preceding cherty unit is fairly sharp and about 50°- 60° to C.A. *Carbonate-chlorite vein* with trace pyrite at 452.8m. Fine quartz-filled tension gashes 453.0m and at 454.0m cutting across a relict bed - 80° to C.A. Green ?tuff fragment at 459.3m.												
				The three main components of this unit are:-													
				1. Dark purple siltstone which occurs in most places as large fragments (5-20cm) and as smaller fragments in the breccia-conglomerate matrix. The fragments are both rounded and angular and often contain fine white carbonate veins and healed fractures. The siltstone is cherty in places. Smaller fragments have darker rims.												
				2. Carbonate fragments which constitute about 20,30% of the rock. Colour varies from buff to pink to grey-white with some greenish fragments. The carbonate has been silicified in varying extents but still reacts vigorously with acid. Size range is large, with 1-2cm fragments up to 5, 10, 20 and even 60cm. Some banding (?bedding) is evident in the larger pieces. Fragments are both extremely angular as well as extremely rounded with a large range of roundness in between and many have highly irregular shapes. A green-grey ?alteration rim occurs around most fragments possibly chloritic.												
				3. Finer matrix consisting of many different fragments including siltstone, chert, quartz, carbonate, ?tuff. The size ranges from silt and sand size up to 5-6mm; fragments are commonly flattened and exhibit banding and flow, but can be rounded and irregular. This matrix contains some darker ? tuffaceous fragments of varying size with trace pyrite. Contact with following unit is sharp.												
				* Petrological samples taken - 453.7, 458.1, 459.3, 462.0, 464.3m													

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025

DIAMOND DRILL RECORD

HOLE NUMBER : S 650

LOGGED BY : C. WILSON

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3
469.0	471.2	2.2	100	?TUFF, TUFF AGGLOMERATE Green tuff which appears brecciated in places and altered. Minor pink carbonate fragments and buff carbonate veins. Tuff fragments have altered rims; some grey chert fragments. Agglomerate matrix is medium grained grey, green and red fragments that show some lineation around larger fragment edges. Pet. sample taken - 470.4 m	??												
471.2	473.6	2.3	100	ROCK BRECCIA, CARBONATE Brecciated and carbonate healed, grey dolomite, green tuff fragments, ?chlorite and graphitic shales with 2cm pyrite nodule 473.2 10cm near-massive carbonate at 473.3 - 473.4m Unit is broken and crumbly in places.	F												
473.6	511.9	38.3	100	SHALES, minor quartzite and dolomite Dark grey, moderately well bedded shales with light grey quartzitic beds increasing towards end of unit, and occasional dolomitic beds eg 479.1m. The unit is intensely veined by white carbonate in some places, minor to moderate veining elsewhere. Pyrite occurs as aggregates and bands along bedding. Many locally brecciated abd carbonate healed zones. Massive carbonate at 501.2 and massive quartz and carbonate at 476.0m. Well jointed at high and low angles and parallel to bedding. Broken core at 484.1 - 484.6 and 493.0 - 493.8m and 510.7m. B.C.A. at 478.0 - 0°, at 483.5 - 50°, at 489.6 - 30°, 500.0m - 45°, at 509.0m - 80°	?Oonah												
511.9	521.9	9.5	95	GRAPHITIC SHALES Dark grey-black graphitic shales with abundant buff carbonate and white quartz veins. Minor pyrite occurs with some carbonate veins. The unit is very well jointed and in places the core is very broken and crumbly. Jointing angle is dominantly high. Bedding is very fine and distorted in places. BCA at 515m - 5-10° at 517m - 80° - 90°.	Oonah												
521.9	522.5	0.60	100	MASSIVE PYRITE This unit has very sharp contacts with preceding and following shale units. The fine -medium crystalline pyrite has minor carbonate and quartz disseminations with an increase in carbonate at end of unit. Upper contact angle is ~45° to C.A.		521.9	522.5	0.01 WO_3 <0.01	0.01	0.04	0.1	35.7	<0.01	<0.01	0.004	5	Sn Anal 0.04

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026

DIAMOND DRILL RECORD

HOLE NUMBER : S 650

LOGGED BY : C. WILSON

NWPS

INTERVAL (m) FROM	TO	RECOVERY m	%	DESCRIPTION	FORM.	% Sn. FROM	TO	TOTAL	ACID SOL.	% Cu.	% As.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO_3
522.5	526.8	4.0	93	GRAPHITIC SHALES As per previous shale unit, but more intensely veined by quartz and carbonate (massive carbonate 522.9 - 523.0m) Vein of red mineral at 524.0m. Disseminated 5% pyrite 525.1 - 525.2m.	Oonah												
526.8	536.2	9.4	100	QUARTZITIC SHALES Dark grey shales and quartzitic shales intensely veined by white carbonate and quartz, locally very distorted. Well jointed at high angles. B.C.A. appears to be 80°.													
536.2	537.4	1.2	100	DISTORTED SHALE, QUARTZ, minor Carbonate Dark grey-black shale which has been extremely distorted and veined by quartz and minor carbonate, some lighter grey quartzite patches.	Oonah												
537.4	557.0	19.6	100	DISTORTED SHALE, minor quartzite Dark grey shale with minor light grey quartzite with minor-moderate quartz and carbonate veining. The whole unit has a distorted and sometimes brecciated appearance, especially from 546 - 547m and 554.8-555.3m. Minor pyrite occurs in some veins. Well jointed at high angles in first 7m of unit, minor to moderate jointing for remainder of unit. B.C.A. at 537.5m - 80°, at 555.8m - 50°. *END OF HOLE at 557.0m.*	Oonah												