

0 - 347' within Border 3 Fr (Yukon Territory)
 347 - 639' within Judy 13 (Northwest Territories)

DIAMOND DRILL RECORD - MACHILLAN TUNGSTEN (1968)

Hole No. MT-68-1 Co-ordinates 18,620 N Bearing at Collar N 17° E
21,662 E Dip at Collar -60°
 Collar Elevation 6690 ft. Commenced Drilling July 1
 Total Depth 639 ft. Completed Drilling July 20
 Logged By: A.R. Finlay
 Core Size BØ Coring Method Wireline Drilling Contractor Cameron McCutcheon



<u>SURVEY SUMMARY</u>				<u>PERTINENT ASSAY DATA</u>		<u>PERTINENT GEOLOGY</u>	
<u>Depth</u>	<u>Dip</u>	<u>Bearing</u>	<u>Method</u>	<u>Interval</u>	<u>% $\begin{matrix} \text{WO}_3 \\ \text{MoS}_2 \end{matrix}$</u>	<u>Interval</u>	<u>Rock Type</u>
Collar	-60°	N 17° E	Benton	98 - 138	.38	0-157	<u>Unit 3E</u> Interbedded marble, light and dark colored slates, with minor argillite, argillaceous siltstone and hornfels.
158 ft	-60°	N 17° E	Acid test	153 - 193	.41	157-220	<u>Unit 3D</u> Interbedded light and dark slates with minor marble, argillite, argillaceous siltstone and hornfels.
229 ft	-58°	N 17° E	Acid test	0 - 248	.20	220-639	<u>Unit 3C</u> Interbedded argillite and argillaceous siltstone, partly altered to hornfels with minor slates.

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY A. C. Chidley DATE July 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
0	15	60	0-93: Unit E interbedded marble, light & dark colored	Light colored skarn Hard, fine grained, pale green-grey diopside - quartz - plagioclase rocks	65° (15')			0	5	2024	.84	
15	25	90	skarn, argillite, argillaceous siltstone and pelitic hornfels	Dark colored skarn Medium grained, dark green diopside - garnet. hornblende - plagioclase - quartz - calcite - sulphide - scheelite rocks	48° (24')			15	18	2025	.01	
25	35	70		Dark colored skarn Medium grained, dark green diopside - garnet. hornblende - plagioclase - quartz - calcite - sulphide - scheelite rocks	40° (35')			18	23	2026	.01	
				Marble, Medium grained light-dark grey				23	28	2027	.06	
35	45	90		Argillite & argillaceous siltstone Silt size quartz, muscovite, feldspar clasts set in dark, argillaceous matrix.	31° (41')		M-S in dark colored	28	33	2028	.02	
				Pelitic hornfels Light-dark grey, fine grained, rich in muscovite & biotite. Sporadic development of enclathritic muscovite pseudomorphs after andalusite.	28° (54')	0.1	skarn	33	38	2029	.02	
45	55	~100				1.4		38	43	2030	.04	
								43	48	2031	.01	
55	65	~100				1.4		48	53	2032	.06	
						1.6° (64')		53	58	2033	.20	
						1.4° (69')		58	63	2034	.22	
65	75	~100		20-35: Extensive brecciation and qz - ct veining.		0.3		63	68	2035	.14	
						0.7		68	73	2036	.09	
						1.0		73	78	2037	.19	
75	85	~100				1.2		78	83	2038	.01	
						1		83	88	2039	.01	
85	95	~100				1		88	93	2040	.02	
						1		93	98			

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY Archie Day DATE July 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
95	115	70	93-157: Unit E	Rock type descriptions on sheet 1		0.1		93	98	2044	0.08	
			interband light colored skarn,			0.7	M-S in	98	103	2045	0.62	
			dark colored skarn, marble, argillite - arg.		70° (123')	—	dark colored	103	108	2046	0.06	
			ss. and pelitic horizons		70° (132')	0.8	skarn	108	113	2047	0.72	
115	135	~100				0.1		113	118	2048	0.34	
						0.5		118	128	2049	0.36	
						0.1		128	128	2050	0.06	
					45° (156')	0.6	Development of coarse crystals	128	133	3201	0.46	
135	155	~100			50° (156')	—	adjacent to marble	133	138	3202	0.06	
						—	of scattered 93 veins	138	143	3203	T	
						—		143	148	3204	T	
						0.2		148	153	3205	0.03	
155	175	~100				—		153	158	3206	0.21	
			157-378: Unit D	Block of light colored skarn has a ghost		0.8		158	163	3207	0.77	
			interband light colored skarn, dark	clastic structure. Most of dark colored skarn is	77° (174')	1.0		163	168	3208	0.68	
			colored skarn, argillite - arg. ss.	developed in light colored skarn adjacent to quartz - scheelite veins		1.0		168	173	3209	0.61	
			pelitic horizons			0.4		173	178	3210	0.09	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY Art Finlayson DATE July 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (%)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
175	195	~90	178-220: Unit O	Rock type descriptions on sheet 1		0.1	M-S in	178	183	3211	Tr	
			interbanded light-colored		75° (181)	2.0	dark colored	183	188	3212	0.33	
			skarn, dark colored skarn,		75° (190)	1.5	skarn	188	193	3213	0.59	
			argillite - arg. int. & pelitic laminae			0.1		193	198	3214	0.01	
195	215	~100			80° (205)	—		198	203	3215	Tr	
					50° (215)	0.5		203	208	3216	0.13	
					45° (217)	0.5		208	213	3217	0.05	
					0° (235)	—		213	218	3218	Tr	
215	235	~100			56° (239)	—		218	223	3219	Tr	
			220-263: Unit C	Rock type descriptions on sheet 1		1.4		223	228	3220	0.66	
			argillite - arg.			1.0		228	233	3221	0.20	
			int. pelitic laminae with minor light and dark colored		70° (255)	—		233	238	3222	0.09	
235	258	~100	skarn			0.7		238	243	3223	0.32	
				Pyrite - pyrrhotite veins < 3mm thick at 70-90° to core axis, frequency 2-6".	62° (261)	1.0		243	248	3224	0.35	
					64° (275)	—		248	253	3225	0.01	
						—		253	258	3226	Tr	
255	275	~100				—		258	263	3227	0.01	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

 SHEET 4 OF 6

 LOGGED BY A. P. Hindley DATE July 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
			263-343: Unit C Argillite —	Rock type descriptions on Sheet 1		—		258	263	3227	0.01	
			arg. sst, pelitic lamifels with			0.2		263	268	3228	0.01	
			minor light and dark colored skarn	Isopach quartz veins < 3mm thick at 45° to		—		268	273	3230	0.01 Tr	
275	295	~100		core axis, frequency 2-6"	50° (281')	—		273	278	3231	Tr	
				Sulphide veins 2-6" frequency	53° (295')	0.7		278	283	3232	0.51	
					74° (301')	—		283	288	3233	0.01	
					70° (311')	—		288	293	3234	0.01	
295	315	~100				—		293	298	3235	0.05	
						—		298	303	3236	Tr	
						—		303	308	3237	0.01	
						0.5	Variable Scheelite	308	313	3238	0.27	
315	335	~95		Quartz veins at high angle to core core axis	45° (327')		in quartz veins of frequency 10-20%	313	318	3239	0.02	
				< 1cm thick, frequency 3-6"				318	323	3240	0.15	
								323	328	3241	0.01	
								328	333	3242	0.02	
335	355	~100		333: thick vein rich in pyrite.				333	338	3243	0.02	
								338	343	3244	0.02	

0-366 within Boulder SR. (Yukon Territory)
 366-879 within July 13 (Northwest Territories)

YT

DIAMOND DRILL RECORD - MACMILLAN TUNGSTEN (1968)

Hole No. MT-68-1A Co-ordinates 18,620 N Bearing at Collar N 20° E
21,662 E Dip at Collar -60°
 Collar Elevation 6690 ft Commenced Drilling 21st July
 Total Depth 879 ft Completed Drilling 11th August
 Logged By: A.R. Fridlay
 Core Size 30 Coring Method Wireline Drilling Contractor Cameron McCutcheon



<u>SURVEY SUMMARY</u>				<u>PERTINENT ASSAY DATA</u>		<u>PERTINENT GEOLOGY</u>	
<u>Depth</u>	<u>Dip</u>	<u>Bearing</u>	<u>Method</u>	<u>Interval</u>	<u>% $\frac{WO_3}{H_2O}$</u>	<u>Interval</u>	<u>Rock Type</u>
Collar	-60°	N 20° E	Branton	24-300	•24	0-149	<u>Unit 3E</u> Interbanded marble, light and dark colored skarn, with minor argillite, argillaceous siltstone and hornfels
840 ft	-54°	N. 20° E	Acid test	705-780	•54	149-202	<u>Unit 3D</u> Interbanded light and dark colored skarn with minor marble, argillite, argillaceous siltstone and hornfels.
						202-700	<u>Unit 3C</u> Argillite and argillaceous siltstone, partly altered to hornfels, with minor skarn.
						700-785	<u>Unit 3B</u> Interbanded marble, light and dark colored skarn
						785-879	<u>Unit 3A</u> Epithermal / Phyllite and lowgrade schist

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY Amthology DATE July 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
24	40	90	<u>24-120 Unit E</u> interbanded marble, light & dark colored	<u>24-120</u> Light colored skarn Hard, fine grained, gray-pale green diopside- garnet-plagioclase rock.				24	25	8932	.11	
			Skarn, argillite, argillaceous siltstone & pelitic hornfels	<u>Dark colored skarn</u> Medium grained, dark green diopside-garnet- hornblende-plagioclase-quartz-sulphide- scheelite rock		1.4		25	30	8933	.01	
						2.0		30	35	8934	.54	
						0.3		35	40	8935	.01	
40	60	95		<u>Marble</u> Medium grained light-dark gray		—		40	45	8936	Tr	
				<u>Argillite & argillaceous siltstone</u> Self size quartz, minor muscovite, feldspar in dark argillaceous matrix.		—	2-5 in	45	50	8937	.02	
						—	dark colored	50	55	8938	.03	
				<u>Pelitic hornfels</u> Fine grained, light-dark gray, rich in biotite & muscovite		—	skarn	55	60	8939	Tr	
60	80	~100				0.2		60	65	8940	.01	
						0.1		65	70	8941	Tr	
						0.7		70	75	8942	.05	
						0.3		75	80	8943	.15	
80	100	~100				0.1		80	85	8944	.12	
						0.3		85	90	8945	.27	
						0.5		90	95	8946	.23	
						0.5		95	100	8947	.02	
100	120	~100				1		100	105	8948	.09	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY Al Finlayson DATE July 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
			<u>120-149 - Unit E</u>	<u>120-149</u> described in detail on sheet 1		<u>105-110</u> 0.1		105	108	8886	Tr	
			interbedded light & dark			<u>110-115</u> —		108	113	8885	.06	
			colored skarn, argillite, argill.			<u>115-120</u> 0.3		113	118	8884	Tr	
120	140	~100	access siltstone & pelitic hornfels			<u>120-125</u> —		118	123	8883	Tr	
						—		123	125	8887	Tr	
						—		125	130	8888	Tr	
						0.3		120	135	8889	.12	
						—		135	140	8890	.09	
140	160	~100				—	2-5 in	140	145	8891	.03	
						0.1	dark skarn	145	150	8892	.02	
			<u>149-202 Unit D</u>	<u>149-200</u>		3.0		150	155	8893	.01	
			interbedded light & dark colored skarn, marble, argillite-argillaceous siltstone & pelitic hornfels.	Much of the skarn exhibits a 'ghost' clastic structure: clasts are commonly composed of light colored skarn, whereas matrix is composed of dark colored skarn. clasts are particularly coarse over 147-149 149-150' interval.		0.4		155	160	8894	.21	
160	180	~100				0.3		160	165	8895	.21	
						0.12		165	170	8896	.01	
						0.3		170	175	8897	.01	
						0.3		175	180	8898	.05	
180	200	~100		Total thickness of marble — 0.6 ft.		0.9		180	185	8899	.32	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY H. J. Juday DATE July 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
			<u>185-202 Unit D</u> interconcret	<u>185-202</u> Described on sheet 1		0.8		185	190	8900	.21	
			marls and light & dark colored skarn			0.8		190	195	8901	.07	
						0.2		195	200	8902	.02	
200	220	1100	<u>202-260 Unit C</u> As above	Some sham 202-263 ft shows glist	60° (200')	1.1		200	205	8903	.20	
				clastic structure. Most argillite & argillaceous		1.4	H-S in	205	210	8904	.29	
				Siltstone is altered to hornfels		1.8	dark skarn	210	215	8905	.19	
						1.5		215	220	8906	.68	
220	240	1100			65° (225')	2.3		220	225	8907	1.24	
						0.6	Variable concen-	225	230	8908	.34	
						0.8	tration in veins	230	235	8909	1.52	
						0.5	frequency 1-5 ft	235	240	8910	.16	
240	260	1100				0.1		240	245	8911	.27	
						-		245	250	8912	.03	
						-		250	255	8913	.03	
						-		255	260	8914	Tr	
260	280	1100				0.7		260	265	8915	.43	
						-		265	270	8916	.14	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY AP. Prinsley DATE July 19 68

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (f)	EST. SCHEELITE	ASSAY INFORMATION					
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu		
			<u>280-300: Unit C</u>	<u>As described on sheet 1 (under D - (20))</u>		—		270	275	8917	.11		
			<u>Argillite - arg. ss. t. with minor light</u>			—		275	280	8918	.04		
<u>280</u>	<u>300</u>	<u>~100</u>	<u>dark colored skarn.</u>			—		280	285	8919	.06		
						—	<u>M-S in dark</u>	285	290	8920	<u>Tr</u>		
						—	<u>colored skarn</u>	290	295	8921	.01		
						—		295	300	8922	.62		
<u>300</u>	<u>320</u>	<u>~100</u>				<u>1.5</u>		300	305	8923	.01		
					<u>67° (327')</u>	—		305	310	8924	<u>Tr</u>		
						—		310	315	8925	.02		
						—		315	320	8926	.02		
<u>320</u>	<u>340</u>	<u>~100</u>	<u>320-360: Unit C</u>	<u>Sporadic development of andalusite porphyroblasts, altered largely to muscovite.</u>		—		320	325	8927	<u>Tr</u>		
			<u>argillite - arg. ss. t. (largely altered to pelitic hornfels).</u>			<u>70° (345')</u>	—		325	330	8928	.11	
							—		330	335	8929	.01	
							—		335	340	8930	<u>Tr</u>	
<u>340</u>	<u>360</u>	<u>~100</u>				—							
						—							
					<u>55° (372')</u>	—							

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY A. P. Dudley DATE August 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
			<u>540-700: Unit C</u>	<u>540-700</u>								
540	560	~100	argillite - arg. ss. largely altered to pale to hornfels									
560	580	~100	"									
					68° (575')							
580	600	~100	"									
					63° (618')							
600	620	~100	"									
					85° (645')							
620	640	~100	"									
640	660	~100	"									
660	680	95	"		90° (665')							
							W-M in trace					
680	700	~100			75° (685')		narrow veins	690	695	8801	.04	
								695	700	8802	T	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
700	720		<u>700-785: Unit B</u>	<u>700-785</u> Rock type description as sheet 1 (under 0-120)	75° (700')	1.4		700	705	8803	.03	
			interbanded light colored skarn, dark colored skarn and marble			2.5		705	710	8804	.22	
				Total thickness of marble 12 ft.	75° (710')	2.3	H-S in	710	715	8819 8805	.03	
						—	dark colored skarn	715	720	8805	.10	
720	740					2.0		720	725	8806	.86	
						1.7		725	730	8807	.04	
					85° (734')	0.1		730	735	8808	T ₂	
						5.0		735	740	8809	1.48	
740	760					5.0		740	745	8810	.52	
					65° (750')	5.0		745	750	8811	1.56	
						1.7		750	755	8812	.42	
						1.5		755	760	8813	.44	
760	780				60° (762')	1.5		760	765	8814	.35	
				Quartz-calcite vein 9 ins. thick at 774.		0.4		765	770	8815	.21	
						1.0		770	775	8816	.59	
7						2.5		775	780	8817	.86	
780	800				50° (780')	0.7		780	785	8818	.39	

O-428 Within Border 1 Rr (Yukon Territory)
 428-503 Within July 13 (Northwest Territories)

YT

DIAMOND DRILL RECORD - MACHILLAN TUNGSTEN (1968)



Hole No. MT-68-2 Co-ordinates 19,485 N Bearing at Collar N 61° E
20,750 E Dip at Collar -55°
 Collar Elevation 7,105 ft Commenced Drilling July 3rd
 Total Depth 503 ft Completed Drilling 1st August
 Logged By: A.R. Finlay
 Core Size 60 Coring Method Wireline Drilling Contractor Cameron McCutcheon

<u>SURVEY SUMMARY</u>				<u>PERTINENT ASSAY DATA</u>		<u>PERTINENT GEOLOGY</u>	
<u>Depth</u>	<u>Dip</u>	<u>Bearing</u>	<u>Method</u>	<u>Interval</u>	<u>WO₃</u> <u>% WGS</u>	<u>Interval</u>	<u>Rock Type</u>
Collar	-60°	N 61° E	Groutex	380-460	.30	0-78	<u>Formation S</u> Black siliceous shale & argillite with minor argillaceous limestone
250	-65°	N 54° E	Trepac			78-238	<u>Unit 3H</u> Argillite & argillaceous siltstone, partly altered to hornfels, with minor quartzite & skarn
318	-60°	N 54° E	Acid test			238-363	<u>Unit 3G</u> Calc. silicate rock
						363-503	<u>Unit 3F</u> Interbedded marble, light and dark colored skarn, with minor argillite, argillaceous siltstone and hornfels

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY A. J. Finlayson DATE July 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
33	60	70	<u>33-78</u> Formation S		65° (52')							
60	80	60	Black siliceous shale	Hard black siliceous shale, bedding planes commonly coated with graphite	63° (72')							
80	100	80	<u>78-288</u> Unit H		65° (92')							
100	120	95	Argillite - argillaceous siltstone & clasts colored skarn	Argillite & argillaceous siltstone are composed of silt sized quartz and minor muscovite & feldspar clasts set in a dark argillaceous matrix	65° (120')							
120	140	90			67° (140')							
140	160	95			67° (137')							
160	180	95		177-181: argillite & argillaceous siltstone are interbedded with light colored skarn and dark colored skarn		-						
180	200	~100			72° (185')	0.6	W-M in dark colored skarn	180	185	3306	30	
200	220	~100			78° (205')	-						
220	240	~100										
240	260	95			63° (260')							
260	280	~100			70° (279')							
280	300	~100	<u>288-363</u> Unit G	Interbedded pale green, medium grained tremolite rich rock and light brown flaggy calcareous talc rich rock								
300	320	95	tremolite rich calc-silicate rock		65° (305')			315	320	3307	Tr	
320	340	~100		300-320: A few thick quartz veins	75° (320')							
340	360	~100			63° (340')							
360	380	~100			63° (360')			360	365	3308	Tr	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
			<u>363-450 Unit F</u>	<u>Light colored skarn</u>				365	370	3309	Tr	
			Interbedded light and dark colored skarn, marlite, argillite	Hard, fine grained, grey-pale green diopside - quartz - plagioclase rock.	58° (375')		M-S in	370	375	3310	Tr	
				<u>Dark colored skarn</u>			dark colored skarn	375	380	3311	Tr	
380	400	~100	- argillaceous siltstone and pebblic hornfels	Coarse, dark green diopside - garnet - hornblende - plagioclase - quartz - calcite - sulphide - scheelite rock.		2.5		380	385	3312	.49	
						2.3		385	390	3313	.25	
						1.2		390	395	3314	.19	
				<u>Marlite</u>	74° (396')	—		395	400	3315	Tr	
				medium grained light - dark grey		—		400	405	3316	.04	
400	420	~100		<u>Argillite, argillaceous siltstone described on sheet 1</u>		—		405	410	3317	.39	
				<u>Pebble hornfels</u>		1.9		410	415	3318	.56	
				light - dark grey, fine grained and rich in muscovite and biotite. Sporadic development of andalusite porphyroblasts, altered largely to muscovite.	65° (420')	2.2		415	420	3319	.32	
420	430	~100				1.4		420	425	3320	.12	
				401-406: Brecciation		0.5		425	430	3321	.01	
				453: Quartz vein 6' in thick at 30° to core axis	70° (438')	0.5		430	435	3322	.27	
						1.7		435	440	3323	.54	
440	450	~100				1.5		440	445	3324	.34	
						1.0		445	450	3325	.28	

317-428 Within Border 1 Fr (Yukon Territory)
 428-1051 within Tudy 13 (Northwest Territories)

YT

DIAMOND DRILL RECORD - MACHILLAN TUNGSTEN (1968)



Hole No. MT-68-2A Co-ordinates 19,485 N Bearing at Collar N 61° E
20,750 E Dip at Collar -55°
 Collar Elevation 7,105 ft Commenced Drilling 1st August
 Total Depth 1,051 ft Completed Drilling 11th August
 Logged By: A.R. Findlay
 Core Size 1 3/8 Coring Method Wireline Drilling Contractor Cameron McCutcheon

<u>SURVEY SUMMARY</u>				<u>PERTINENT ASSAY DATA</u>		<u>PERTINENT GEOLOGY</u>	
<u>Depth</u>	<u>Dip</u>	<u>Bearing</u>	<u>Method</u>	<u>Interval</u>	<u>WO₂ % Na₂O</u>	<u>Interval</u>	<u>Rock Type</u>
Wedged from MT-68-2 at 317 ft				460-520	.30	318-363	Unit 3G Calc-silicate rock
407	-59°	N 54° E	Acid hot			363-520	Unit 3F interbedded marble, light and dark colored siltstone, with minor argillite, argillaceous siltstone and pelitic hornfels
467	-55°	N 54° E	Acid hot			520-716	Unit 3E " " "
500	-54°	N 33° E	Tropari			716-764	Unit 3D interbedded light and dark colored siltstone with minor marble, argillite, argillaceous siltstone and hornfels
800	-51°	N 24° E	Tropari			764-837	Unit 3C Argillite and argillaceous siltstone, partly altered to hornfels, minor siltstone
						837-1051	Quartz monzonite

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY W. J. Sunday DATE July 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
460	480	~100	<u>363-520</u> Unit F	Rock type descriptions on sheet 2.		0.8	M-S in	460	465	8822	.19	
			interbedded light and dark colored skarn, marble, argillite			1.1	dark colored skarn	465	470	8823	.17	
			- arg. sst. and pelitic hornfels.			0.8		470	475	8824	.13	
						1.2		475	480	8825	1.01	
480	500	~100			77° (486°)	1.9		480	485	8826	.46	
						—		485	490	8827	.37	
						0.6		490	495	8828	.13	
						0.8		495	500	8829	.11	
500	520	~100				0.4		500	505	8830	.54	
						0.6		505	510	8831	.13	
						0.2		510	515	8832	.09	
						1.5		515	520	8833	.27	
520	540	~100	<u>520-545</u> Unit F	Rock type descriptions on sheet 2.	70° (534°)	0.1		520	525	8834	.04	
			As above			—		525	530	8835	.04	
						—		530	535	8836	.05	
						0.1		535	540	8837	.04	
540	560	~100				—		540	545	8838	Tr	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY M. Finlay DATE July 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
			<u>545-630</u> Unit E	Rock type descriptions on Sheet 2.		.8	M-5 in	545	550	8839	.27	
			interbanded light and		70° (558')	-	dark colored skarn	550	555	8840	.02	
			dark colored skarn, marble, argillite - arg. sst. and pelitic			-		555	560	8841	.02	
560	580	~100	congl.		75° (578')	.2		560	565	8844	.09	
						.3		565	570	8846	.02	
						1.0		570	575	8847	.05	
						1.0		575	580	8848	.20	
580	600	~100				1.1		580	585	8849	.15	
						1.2		585	590	8850	.21	
						1.7		590	595	8851	.19	
						1.5		595	600	8852	.13	
600	620	~100			72° (604')	-		600	605	8853	TF	
						1.1		605	610	8854	.15	
						0.5		610	615	8855	.09	
						0.1		615	620	8856	TF	
620	640	~100			72° (621')			620	625	8857	.04	
				627: Quartz vein 2 cm. thick with scheelite crystals < 3mm thick along margins.				625	630	8858	.33	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY Art Fuld DATE August 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
			<u>630-716</u> Unit E	Rock type descriptions on Sheet 2.		—	M-S in	630	635	8859	.01	
			interbedded light colored			0.3	dark colored	635	640	8860	.01	
640	660	~100	skarn, dark colored skarn,			0.1	skarn	640	645	8861	.18	
			marble, argillite — arg. sil and pelitic horizons.		73° (652')	0.2		645	650	8862	Tr	
						—		650	655	8862	.11	
						0.7		655	660	8863	.29	
660	680	~100				0.5		660	665	8865	.09	
						0.6		665	670	8863	.49	
						—		670	675	8864	.04	
					65° (688')	0.4		675	680	8865	.13	
680	700	~100				0.4		680	685	8866	.13	
						0.7		685	690	8867	.15	
						0.6		690	695	8868	.24	
				694-697: Brecciation and quartz-calcite veining		0.3		695	700	8869	Tr	
700	720	~100			68° (702')	—		700	705	8870	.02	
						—		705	710	8871	Tr	
						0.1		710	715	8872	.01	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

U. D. N. NO. EM 3-29-73

SHEET 4 OF 7

LOGGED BY A. J. Finlay DATE August 19 68

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
			<u>716-764</u> Unit D	Rock types described on Sheet 2: Much		—	M-S in dark colored skarn	715	720	8873	Tr	
720	740	~100	Interbanded light and dark colored skarn, marble, argillite	of light and dark colored skarn has a ghost clastic structure		0.2		720	725	8874	Tr	
			— arg. slt; pelitic hornfels			2.0		725	730	8876	.08	
			764			2.1		730	735	8876	.54	
					710 (739')	1.1		735	740	8877	.26	
740	760	~100				0.5		740	745	8878	.29	
						0.1		745	750	8879	.06	
						0.4		750	755	8880	.06	
						—		755	760	8881	Tr	
760	780	~100			85° (769')	0.2		760	765	8882	.04	
			<u>764-837</u> Unit C.	Rock types described on Sheet 2.	85° (778')	—						
780	800	~100	Interbanded light and dark colored skarn, marble, argillite	772-785: Brecciation.	75° (780')	—						
			— arg. slt; pelitic hornfels			—						
800	820	~100			80° (811')	—						
			<u>837-850</u> Quartz — muscovite	K-feldspar porphyrocytes in microcline-plagioclase — quartz — biotite groundmass.				835	840	8101	0.02	
820	840	~100			65° (838')			840	845	8102	0.01	
				Extensively altered to soft clayey material				845	850	8103	0.04	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY W. J. Finlay DATE August 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
840	900	95	850-935 Quartz-monzonite	Composed of K-feldspar phenocrysts in a microcline-plagioclase-quartz-lignite groundmass.			Minor development of Cu	850	855	8104	Tr	
				850-870: extensively altered to soft clayey material			few veins cutting quartz monzonite	855	860	8105	Tr	
								860	865	8106	.02	
								865	870	8107	.02	
				Quartz-feldspar veins: 1-3 mm thick at high angle to core axis, frequency 1"-1'.				870	875	8108	Tr	
				A few of these contain MoS ₂ & scheelite.				875	880	8109	Tr	
				82.5: muscovite chlorite vein with minor pyrite.				880	885	8110	Tr	
								885	890	8111	Tr	
								890	895	8112	Tr	
								895	900	8113	Tr	
900	935	98						900	905	8114	Tr	
								905	910	8115	Tr	
								910	915	8116	Tr	
								915	920	8117	Tr	
								920	925	8118	Tr	
								925	930	8119	Tr	
								930	935	8120	Tr	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

D. D. H. No. HT - 68 - 2A

SHEET 6 OF 7

LOGGED BY AGP J. Day

DATE August 19 68

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
935	1020	98	935-1020 Quartz - monzonite	Rock type description on Sheet 5			Minor development	935	940	8121	Tr	
							in a few veins cutting quartz-monzonite	940	945	8122	Tr	
								945	950	8123	Tr	
								950	955	8124	Tr	
								955	960	8125	Tr	
								960	965	8126	Tr	
								965	970	8127	Tr	
								970	975	8128	Tr	
								975	980	8129	Tr	
								980	985	8130	Tr	
				988-1004: Thick quartz veins containing minor MoS ₂				985	990	8131	Tr	
								990	995	8132	Tr	
								995	1000	8133	Tr	
								1000	1005	8134	Tr	
								1005	1010	8135	Tr	
								1010	1015	8136	Tr	
								1015	1020	8137	Tr	

Within Grid 3^R (Yukon Territory)

DIAMOND DRILL RECORD - MACHILLAN TUNGSTEN (1968)



Hole No. MT-68-3 Co-ordinates 13,891' N Bearing at Collar N
22,120' E Dip at Collar -65°
 Collar Elevation 6615 ft. Commenced Drilling 4th August
 Total Depth 828 ft. Completed Drilling 20th August
 Logged By: A.R. Findlay
 Core Size 3φ Coring Method Wireline Drilling Contractor Cameron McCutcheon

SURVEY SUMMARY				PERTINENT ASSAY DATA		PERTINENT GEOLOGY	
Depth	Dip	Bearing	Method	Interval	% $\frac{WO_3}{FeO}$	Interval	Rock Type
Collar	-65°	N	Branton	120-160	1.25	0-117	Unit E Interbanded marble, light and dark colored skarn with minor argillite, argillaceous siltstone and hornfels.
250 ft	-64°	N	Acid test	20-195	.56	117-170	Unit D Interbanded light and dark colored skarn with minor marble, argillite, argillaceous siltstone and hornfels.
500 ft	-63°	N	Acid test			170-763	Unit C Argillite and argillaceous siltstone, partly altered to hornfels, with minor skarn.
828 ft	-56°	N	Acid test			763-800	Interbanded light and dark colored skarn.
						800-828	Phyllite and low grade mica schist.

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY Anderson DATE August 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
18	40	95	18-100 Unit E	Light colored skarn Hard, fine grained pale green-grey diopside	80° (18')	18-25 3.0		18-6	20	8949	.88	
			interbanded light colored	- quartz-plagioclase rock	80° (32')			20	25	8950	.22	
			skarn, dark colored skarn,	Dark colored skarn Medium grained dark green diopside-garnet-		2.1		25	30	8944	.83	
			marble, argillite - argillaceous siltstone	homblende-plagioclase-quartz-calcite-sphalerite-scheelite rock.		3.1		30	35	8145	.20	
			pelitic homblende	Matrix Medium grained light-dark grey		1.4		35	40	8146	.61	
40	60	~100		Argillite & argillaceous siltstone Silt size quartz & minor muscovite, feldspar	75° (44')	1.6	M-S in	40	45	8147	.68	
				clasts are set in a dark argillaceous matrix	75° (57')	3.0	dark colored	45	50	8148	.81	
				Pelitic homblende Light-dark grey, fine grained, rich in	77° (63')	1.4	skarn	50	55	8149	.77	
				muscovite and biotite. Sporadic development of muscovite pseudomorphs after andalusite		0.2		55	60	8150	.15	
60	80	~100				0.2		60	65	8151	.20	
				Q ₃ , Q ₂ -feldspar & qz. ct veins 1-30 mm thick	46° (97')	1.5		65	70	8152	.23	
				at low angles to core axis, frequency 1/2" to 4"		1.0		70	75	8153	.62	
						0.2		75	80	8154	.36	
80	100	~100			55° (110')	-		80	85	8155	.13	
						-		85	90	8156	.05	
						-		90	95	8157	.08	
						-		95	100	8158	.06	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
100	120	~100	100-117: Unit E interbedded light colored skarn, dark colored skarn, marble,	Rock types described on sheet 1.		—		100	105	8159	.10	
			argillite - arg. sch. & pelitic hornfels			—	M-S	105	110	8160	.11	
			117-170: Unit D	pieces of light colored skarn have a ghost		1.0	dark colored skarn	110	115	8160A	.10	
120	140	~100	As above	clastic structure, ^{with} original clasts commonly		5.0		120	125	8162	1.92	
				replaced by light colored skarn, and the matrix by dark colored skarn.		0.5		125	130	8163	.80	
				128-131: Extensive brecciation associated with quartz - calcite veining	75° (136')	3.5		130	135	8164	.80	
						4.6		135	140	8165	1.40	
140	160	~100			80° (145')	3.8		140	145	8166	1.69	
						2.5		145	150	8167	1.16	
						1.5		150	155	8168	1.18	
					86° (163')	2.3		155	160	8169	1.07	
160	180	~100				1.7		160	165	8170	.62	
						1.2		165	170	8171	.78	
			170-185 Unit C Argillite, argillite	169: quartz vein 1.8 ft thick with marginal scheelite		1.2		170	175	8172	.86	
			sch. and pelitic hornfels with various light & dark colored skarn		84° (178')	0.1		175	180	8173	.05	
180	200	~100				0.9		180	185	8174	.37	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

 D. D. H. No. RT - 68 - 3

 SHEET 3 OF 8

 LOGGED BY AR Finlay DATE August 19 68

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
								INTERVAL		ASSAY No.	% WO ₃	% Cu
			185-270: Unit D	Rock types described on Sheet 1		1.4	M-S in	185	190	8175	.29	
			Argillite, arg- st and pelitic lenses, with minor light and dark colored stone			0.1	dark colored skarn	190	195	8176	.12	
					83° (197')	0.1		195	200	8177	.03	
200	220	~100				-		200	205	8178	.06	
						-		205	210	8179	.06	
						-		210	215	8180	.20	
						0.1		215	220	8181	.20	
220	240	400				-		220	225	8182	.05	
						0.1		225	230	8183	.10	
						0.2		230	235	8184	.02	
						-		235	240	8185	.02	
240	260	~100			87° (240')	-		240	245	8186	.03	
						-		245	250	8187	.07	
					80° (258')			250	255	8188	.06	
								255	260	8189	.23	
								260	265	8190	.04	
								265	270	8191	.01	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY W. J. Mulvey DATE August 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN	EST. SCHEELITE	ASSAY INFORMATION					
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu		
			270-355: Unit C Argillite, arg.-sil. and pelitic breccia with minor lignit	Rock types described on Sheet 1			M-S in dark colored skarn	270	275	8192	Tr		
									275	280	8193	.17	
280	300	100	and dark colored skarn						280	285	8194	.05	
						490 (285')			285	290	8195	.02	
									290	295	8196	.01	
								295	300	8197	.02		
300	320	100		301: Quartz vein 6" thick at 40° to hole axis.	750 (303')			300	305	8198	.04		
								305	310	8199	Tr		
								310	315	8200	.07		
								315	320	8201	Tr		
320	340	100						320	325	8202	Tr		
								325	330	8203	Tr		
								330	335	8204	Tr		
								335	340	8205	Tr		
340	360	100						340	345	8206	.01		
					650 (346')			345	350	8207	.09		
								350	355	8208	.08		

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

D. D. H. No. MT - 68 - 3

SHEET 5 OF 8

LOGGED BY Art J. ... DATE August 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
			355-500: Unit C Argillite, arg. slt.	Rock types described on Sheet 1			M-S in	355	360	8209	Tr	
360	380	~100	and pelitic lamellae with narrow dykes and dark colored planes		78° (365')		dark colored skarn	360	365	8210	Tr	
								365	370	8211	Tr	
								370	375	8212	Tr	
								375	380	8213	Tr	
380	400	~100						380	385	8214	Tr	
					60° (388')			385	390	8215	Tr	
400	420	~100			60° (406')							
					55° (423')							
420	440	~100										
					55° (444')							
440	460	~100										
					65° (465')		Minor development					
460	480	~100					in quartz veins of frequency 4-5 ft					
480	500	~100			62° (496')							

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY A.P. Furdong DATE August 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN	EST. SCHEELITE	ASSAY INFORMATION					
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu		
500	520	-100	500-660: Unit C Amphibole, arg. sil.	Rock types described on sheet 1			Minor development						
			and pelitic lenses, with minor light and dark colored skarn				in quartz veins of frequency 4-5 ft						
520	540	-100											
540	560	-100											
560	580	-100											
580	600	-100			25° (58°)								
600	620	-100			90° (61°)								
							W in						
620	640	-100			42° (635')	0.7	dark colored skarn	635	640	8232	.24		
						3		640	645	8233	.16		
						—		645	650	8234	.01		
						—		650	655	8235	.01		
						—		655	660	8236	.02		

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION					
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu		
660	680	~100	660-763: Unit C Argillite, argillite and pelitic horizons, with	Rock types described on sheet 1	65' (665')			660	665				
680	700	~100	with light and dark colored skarn										
700	720	~100											
720	740	~100											
740	760	~100						740	745	8216	Tr		
								745	750	8217	Tr		
								750	755	8218	Tr		
								755	760	8219	Tr		
760	780	~100	762-775: Unit B interbedded light colored skarn, dark colored skarn and marble	Rock types described on sheet 1		0.2	dark colored skarn	760	765	8220	.04		
						0.8		765	770	8221	.14		
						3.8		770	775	8222	.42		

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY McDermid DATE August 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
			<u>775-800 Unit B</u> intercrystalline	Rock types described in sheet 1		0.5		775	780	8223	.22	
780	800	~100	marble, light & dark colored skarn	784 pure garnet skarn 6" across	67° (785')	1.8		780	785	8224	.34	
						1.0		785	790	8225	.15	
					75° (795')	1.1	M-S	790	795	8226	.25	
					73° (803')	1.5	in	795	800	8227	1.30	
800	828	~100	<u>800-828</u> Formation 1 low grade mica schist	Foliated muscovite - biotite - chlorite - quartz schist. Micas oriented parallel to the foliation; biotite generally encrusted in ovoid patches a few mm. across	76° (825')	—	dark colored skarn	800	805	8228	Tr	
						—		805	810	8229	Tr	
						—		810	815	8230	Tr	
						—		815	820	8231	Tr	
						—		820	825	8232	Tr	

Within Border 1 Fr (Yukon Territory)

Y.T

DIAMOND DRILL RECORD - MACMILLAN TUNGSTEN (1968)



Hole No. NT-68 - 4 Co-ordinates 19,179 N Bearing at Collar N 45° E
20,423 E Dip at Collar -65°
 Collar Elevation 7045 ft Commenced Drilling 16th August
 Total Depth 682 ft Completed Drilling 5th September
 Logged By: A.R. Finlay
 Core Size BQ 0-254 ft : AQ 254-682 ft Coring Method Wireline Drilling Contractor Cameron McCutcheon

SURVEY SUMMARY				PERTINENT ASSAY DATA		PERTINENT GEOLOGY	
Depth	Dip	Bearing	Method	Interval	$\frac{WO_3}{\% Na_2O}$	Interval	Rock Type
Collar	-65°	N 45° E	Bruntor	475 - 580	0.13	0-205	Formation S Black siliceous shale and argillite with minor argillaceous limestone.
250 ft	-70°	N 45° E	Acid test			205-395	Unit 3H Argillite and argillaceous siltstone partly altered to hornfels, with minor quartzite and sharn.
500 ft	-63°	N 45° E	Acid test			395-464	Unit 3G Calc-silicate rock
682 ft	-68°	N 45° E	Acid test			464-578	Unit 3F Interbedded marls, light and dark colored sharn, with minor argillite, argillaceous siltstone and hornfels.
						578-682	Unit 3E " " "

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
45	60	60	<u>45-179</u> Formation 5	Black siliceous shale & argillite, parting planes often coated with graphite. Certain parting planes carry graphite.	74° (58')							
60	179	~100	Black siliceous shale & argillite	Narrow quartz veins, frequency 0-5 ft; pyrite lenticle < 2mm, frequency 20 ft	78° (83')							
179	193	~100	<u>179-193</u> Formation 5		80° (116')							
			Black argillaceous limestone	Black graphitic argillaceous limestone, containing scattered ? tremolite needles < 1-3 mm. long.	83° (126')							
193	205	~90	<u>193-205</u> Altered acid intrusive	Granitic rock, largely altered to soft, clayey material	82° (150')							
205	390	~100	<u>205-395 Unit 4</u> Argillite & argillaceous siltstone, partly altered to pelitic nonfels, with minor light and dark colored skarn	Argillite and argillaceous siltstone are composed of silt size quartz and minor muscovite and feldspar clasts set in a dark argillaceous matrix.	85° (217')							
					85° (272')							
					82° (313')							
					84° (321')							
					85° (360')	—		380	385	8336	.04	
					85° (321')	—		385	390	8337	.02	
390	395	~100		390-395: interbedded light and dark colored skarn		1.6	W-M in dark colored skarn	390	395	8338	.32	
						—		395	400	8339	.02	
						—		400	405	8340	.01	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY A. F. Finlay DATE Sept. 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
395	464	~100	<u>395-464 Unit G</u> Tremolite rich calc. silicate rock	interbanded pale green, medium grained tremolite rich rock & soft light brown flaggy talc rich rock	50° (424')							
				464-464: Extensive brecciation	78° (443')	—		465	470	8341	.01	
464	471	~100		Light colored skarn Hard, fine grained, pale green-grey chlorite - quartz - plagioclase rock	80° (456')	0.4		470	475	8342	.02	
471	480	~100	<u>464-560 Unit F</u> interbanded	Dark colored skarn	78° (472')	1.6		475	480	8343	.32	
480	500	~100	marble, light & dark colored skarn, argillite, argillaceous siltstone & pelitic hornfels	Medium grained, dark green chlorite - garnet - hornblende - plagioclase - quartz - calcite - sulphide - scheelite rock. Marble		1.4		480	485	8344	.10	
				Medium grained light - dark grey		0.9		485	490	8345	.03	
				Argillite & argillaceous siltstone silt size quartz, feldspar, muscovite clasts in a dark, argillaceous matrix.		0.2	W-M	490	495	8346	.01	
						1.8	in dark	495	500	8347	.15	
500	520	~100			78° (500')	0.4	colored skarn	500	505	8348	.11	
				Pelitic hornfels Light - dark grey, fine grained, rich in muscovite & biotite.		0.8		505	510	8349	.09	
					70° (515')	2.1		510	515	8350	.25	
				Sporadic development of muscovite pseudomorphs after andalusite		1.5		515	520	8351	.31	
520	540	~100			74° (525')	1.0		520	525	8352	.17	
					73° (531')	1.6		525	530	8353	.11	
						0.8		530	535	8354	.12	
						3.0		535	540	8355	.20	
540	560	~100			80° (543')	0.3		540	545	8356	.01	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

LOGGED BY M. J. [unclear] DATE Sept. 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
			<u>550-578</u> Unit F	Rock types described on Sheet 2		0.2		545	550	8357	.01	
			interbedded light colored		78° (553')	1.7	W-M in	550	555	8358	.17	
			skans, dark colored skarn			—	dark colored	555	560	8359	.01	
560	580	~100	marls, argillite-argillaceous ss. & pellets lumps.		78° (560')	0.9	skarn	560	565	8360	.04	
					84° (577')	1.9		565	570	8361	.27	
						0.7		570	575	8362	.01	
			<u>578-635</u> Unit E			0.4		575	580	8363	.17	
580	600	~100	As above		78° (586')	—		580	585	8364	.06	
						—		585	590	8365	.04	
						—		590	595	8366	.03	
					83° (597')	—		595	600	8367	.02	
600	620	~80				—		600	605	8368	.02	
					80° (605')	—		605	610	8369	.02	
						0.3		610	615	8370	.02	
620	640	.65		<u>615-635</u> Extensive fracturing and weathering	78° (615')	0.2		615	625	8371-8372	.01	
								625	630	8373	.12	
								630	635	8374	.17	

Within Border 3 R (Yukon Territory)

DIAMOND DRILL RECORD - MACMILLAN TUNGSTEN (1968)

Hole No. MT-68-5 Co-ordinates 18,525' N Bearing at Collar N 28° E

22,120 E

Dip at Collar -50°

Collar Elevation 6395 ft.

Commenced Drilling 22nd August

Total Depth 382 ft.

Completed Drilling 27th August

Logged By: A.R. Findlay

Core Size 3φ

Coring Method Wireline

Drilling Contractor Cameron McCutcheon



SURVEY SUMMARY

<u>Depth</u>	<u>Dip</u>	<u>Bearing</u>	<u>Method</u>
Collar	-50°	N 28° E	Branton
100 ft	-38°	N 23° E	Tropari
200 ft	-35°	N 10° E	Tropari

PERTINENT ASSAY DATA

<u>Interval</u>	<u>WO₃</u> <u>% MoS₃</u>
5-50 ft	.55
250-340 ft	.97

PERTINENT GEOLOGY

<u>Interval</u>	<u>Rock Type</u>
0-249	<u>Unit 3C</u> Argillite and argillaceous siltstone, partly altered to hornfels, with minor skarn.
249-336	<u>Unit 3B</u> Interbedded marble, light and dark colored skarn
336-382	<u>Formation 1</u> Phyllite and low grade mica schist.

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

D. D. H. No. MT - 68 - 5

SHEET 1 OF 4

LOGGED BY H. J. Huddy DATE August 1968

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN (ft)	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
4	20	80	4-90 Unit C	Light colored skarn Hard, fine grained, grey-pale green diopside - quartz - plagioclase rock.		2.5		5	10	8240	.23	
			interbedded light colored skarn,		45° (15')	2.2		10	15	8241	.76	
			dark colored skarn, marble,	Dark colored skarn Medium grained, dark grey diopside-garnet.		1.2		15	20	8242	.74	
20	40	95	argillite, argillaceous siltstone & pelitic hornfels.	hornblende - plagioclase - quartz - calcite - sulphide - scheelite rocks.		1.7	M.S in	20	25	8243	1.91	
				Marble		1.1	dark colored skarn	25	30	8244	.24	
				Medium grained, light-dark grey.	53° (35')	0.4		30	35	8245	.17	
				Argillite & argillaceous siltstone Silt size quartz, muscovite & feldspar clasts set in a dark argillaceous matrix.		1		35	40	8246	.01	
40	60	100		Pelitic hornfels Fine grained, light-dark grey, rich in biotite & muscovite.		1.1		45	50	8248	.27	
						0.7		50	55	8249	.09	
				31' : brecciation & quartz calcite veining over 6 cm.		1		55	60	8250	.03	
60	80	100				1		60	65	8251	.02	
				60-80' : Abundant qz-ct veins at high angle to core axis.	50° (72')	1		65	70	8252	.04	
						1		70	75	8253	.02	
						1		75	80	8254	.01	
80	100	100				1		80	85	8255	.04	
						1		85	90	8256	.04	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
			<u>210-219 Unit C</u>	Rock type description on Sheet 1		—		210	215	8265	.04	
			Argillite - arg. slt. & pelitic hornfels			—		215	220	8266	.03	
220	240	~100				—		220	225	8267	.03	
						—		225	230	8268	.04	
						—		230	235	8269	.06	
						—		235	240	8270	.08	
240	260	~100				—		240	245	8271	.05	
						0.4		245	250	8272	.18	
			<u>249-295 Unit B</u>	Rock type description on Sheet 1		3.0	M-S	250	255	8273	1.90	
			interbedded light colored skarn			3.0	in dark	255	260	8274	.92	
260	280	~100	dark colored skarn and marble.		220 (262')	0.4	colored skarn	260	265	8275	.07	
				Frequent brecciation & quartz - calcite veining		0.8		265	270	8276	.24	
						4.0		270	275	8277	2.01	
						4.2		275	280	8278	1.73	
280	300	~100			150 (280')	5.0		280	285	8279	1.78	
						5.0		285	290	8280	1.24	
						5.0		290	295	8281	2.03	

DIAMOND DRILL RECORD — MACMILLAN TUNGSTEN

FOOTAGE		% REC.	GENERAL ROCK TYPE	ROCK DESCRIPTION	BED. TO CORE AXIS	THICKNESS COARSE DARK SKARN	EST. SCHEELITE	ASSAY INFORMATION				
FROM	TO							INTERVAL	ASSAY No.	% WO ₃	% Cu	
			<u>249-336</u> interbedded light colored skarn dark colored skarn and marble	Rock type description on sheet 1		5.0		295	300	8282	.55	
300	320	~100		Frequent brecciation and quartz-calcite veining.		5.0	M-S in	305	310	8284	.44	
						5.0	dark colored skarn	310	315	8285	1.88	
						3.5		315	320	8286	.77	
320	340	~100			25° (323')	1.4		320	325	8287	.67	
						4.6		325	330	8288	.68	
			<u>326-382</u> Formation 1	Foliated muscovite - biotite - chlorite - plagioclase		2.6		330	335	8289	.53	
340	360	~100	low grade mica schist	rock: Micas oriented parallel to foliation and biotite generally concentrated in ovoid patches a few mm. across.	25° (343')	1.0		335	340	8290	.23	
						—		340	345	8291	.06	
						—		345	350	8292	.01	
360	382	~100		Frequent quartz veins, generally at a high angle to core axis.	45° (380')							