Open File 2008-1

Rock-Eval/TOC data for 18 wells, Peel Plateau and Plain, Yukon Territory (65º 50’ to 67º 00’ N; 133º 45’ to 135º 15’ W)

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Cover photo. Black, siliceous shale displaying unique oxidation resulting from combustion of the Devonian-Carboniferous Ford Lake Shale, Nihtal Git Creek, Peel Plateau, Yukon. GSA Rock Color Chart and hammer for scale.

Yukon Geological Survey Open File 2008-1

Rock-Eval/TOC data for 18 wells, Peel Plateau and Plain, Yukon Territory (65º 50’ to 67º 00’ N; 133º 45’ to 135º 15’ W)

by **Tammy L. Allen, Tiffani A. Fraser and Kirk G. Osadetz**

Introduction

This report is a compilation of newly obtained and previously determined Rock-Eval anhydrous pyrolysis analytical results including, total organic carbon content analysis (Rock-Eval/TOC) together with previously determined vitrinite reflectance data for the Peel Plateau and Plain region, Yukon Territory. The study is part of the “Regional Geoscience Studies and Petroleum Potential, Peel Plateau and Plain” research project which aims to provide new information on the geology of the Peel Plateau and Plain in both the Northwest Territories and the Yukon Territory, including a petroleum resource assessment of the region (see Pyle et al., 2006). The research involves the efforts of the Geological Survey of Canada (GSC), the Northwest Territories Geoscience Office (NTGO), the Yukon Geological Survey (YGS) as well as university and industry affiliates.

Background

Between 1965 and 1977, 19 oil and gas exploration wells were drilled in the Yukon Peel region ranging in depth from 1410 to 13,999 ft (430 to 4267 m) below the surface (Fig. 1). Drill cuttings from all or portions of 18 of these wells were collected at the time of drilling and are now stored at the Geological Survey of Canada, Geological Core and Sample Repository in Calgary where they are available for public viewing. Based on sampling records, it appears that limited analyses of these cuttings have been undertaken, with results available in the public realm. In response to requests for such information, the YGS undertook an extensive sampling program of all existing well cuttings for the Yukon's Peel region in spring 2007.

In spring 2007, washed cuttings from these 18 wells were sampled and analysed to characterize petroleum source rock potential and thermal maturation of strata ranging from Proterozoic to Cretaceous. Washed cuttings were not preserved for the B-06 well, however they were preserved for the 2B-06 well which was sampled in this study. Approximately 2 grams of cuttings were sampled over a 20-40 foot (7-13 m) interval to preserve the integrity of the small weight of curated samples with each spaced approximately 100 ft (30 m) apart along the entire length of the well. Where possible, shale-rich intervals were chosen in preference to coarser clastic or limestone/dolomite horizons. These samples were then submitted to the Organic Geochemistry Lab, GSC Calgary, for Rock-Eval 6/TOC anhydrous pyroloytic analysis.

A substantial amount of previously determined Rock-Eval/TOC and vitrinite reflectance data was uncovered during this study, both published and unpublished. These data are included in this report for completeness (e.g., Feinstein et al., 1988; Snowdon, 1990; Snowdon and Williams, 1986; Geochem Laboratories Canada Ltd., 1977). Previously determined data were analysed mainly using Rock-Eval 2 pyrolysis/TOC anhydrous pyrolytic analyses, although a limited number of previously determined samples were run on the Rock-Eval 6/TOC analyzer (e.g., 2007: Rock Eval Database). The Rock-Eval 6 pyrolyzer measures the hydrocarbons (HC), carbon dioxide (CO_2) and carbon monoxide (CO) evolved during both anoxic pyrolysis and oxidative pyrolysis. Older versions of the device such as Rock-Eval 2 had only a CO_2 detector and measured only HC and CO_2. Where previously determined Rock-Eval 6/TOC data was uncovered, resampling of the cuttings was not performed to the depletion of a curated small sample.

Laboratory Methods

New analyses were conducted in spring 2007 at the Organic Geochemistry Laboratory at GSC Calgary on a Delsi Rock-Eval 6 unit equipped with a total organic carbon (TOC) content analysis module. Rock samples were pyrolyzed using Rock-Eval/TOC. This technique evaluates oil and gas shows, oil and gas generation potential, thermal maturity and identifies organic matter type (Behar et al., 2001; Espitalie et al., 1985; Peters, 1986; Tissot and Welte, 1978, p. 443-447). This analysis yields several measured parameters reported including: S1, S2, S3, T_{max} and TOC (Table 1) (Espitalie et al., 1977). Rock-Eval/TOC parameters have significance only above threshold TOC, S1 and S2 values.

Refer to Table 2 for guidelines on interpreting Rock-Eval and TOC data. Measured parameters derived from Rock-Eval pyrolysis reported in this document include: S1, which represents milligrams of hydrocarbons (HC) that can be thermally distilled from 1 gram of rock (mg HC/g rock); S2, which represents milligrams of hydrocarbons generated by pyrolytic degradation of the kerogen in 1 gram of rock (mg HC/g rock); S3, which represents milligrams of carbon dioxide generated from a gram of rock during temperature programming up to 390ºC (Peters, 1986).

T_{max} corresponds to the oven temperature at which the maximum amount of S2 hydrocarbons is generated and is measured in degrees Celsius (Peters, 1986). T_{max} values can be used as a thermal maturity indicator in sedimentary rocks, however caution should be used with samples that have S2 values below 0.2 mg HC/g rock as T_{max} values are unreliably determined due to the broad nature of the S2 peak (Peters, 1986).

Total organic carbon (TOC) is a measure of the quantity of organic carbon within a rock that is expressed as weight percent of rock (Peters et al., 2005). If TOC is less than 0.3% then all parameters have questionable significance and the experiment suggests no potential.

Other parameters including hydrogen index (HI=S2/TOC x 100) and oxygen index (OI= S3/TOC x 100) are calculated from the measured values. HI corresponds to the quantity of pyrolyzable organic compounds from S2 relative to the TOC in the sample (mg HC/g TOC) (Peters et al., 2005). OI corresponds to the quantity of carbon dioxide from S3 relative to the TOC (mg CO_2/g TOC) (Peters et al., 2005). Oxygen index (OI) has

questionable significance if TOC is less than 0.5%, while OI values greater than 150 mg/g TOC suggest either low TOC or a mineral matrix CO_2 contribution during pyrolysis. The production index (PI) is defined as S1/(S1 + S2) and is an indication of the amount of petroleum which has been produced geologically relative to the amount of petroleum which the sample can produce and is an additional measure of thermal maturity (Barker, 1982; Nunez-Betelu and Baceta, 1994). The production index has questionable significance if S1 and S2 values are less than 0.2 HC/g rock. Results can be affected by mineral matrix effects. These either retain generated compounds, generally lowering the S1 or S2 peaks, while increasing T_{max}, or by liberating inorganic CO_2 and increasing S3 and OI. These effects are important if TOC, S1 and S2 are low, an effect not significant for this study as most petroleum source rocks have TOC values greater than 5%.

Total organic carbon is the sum of the pyrolyzable carbon (PC) and the residual carbon (RC): TOC (weight %) = PC + RC. Pyrolyzed carbon (weight %) refers to organic carbon that evolved during that part of the experiment that is heating in the absence of oxygen. It is an organic type indicator defined as PC = ((0.83*(S1+S2))+(S3*.273)+ ((S3CO + (S3'CO/2))*0.4286))/10; where the coefficients are the average weight percentage of carbon in the S1 and S2 peaks. PC is correlated with organic matter type (i.e., I, II, III). Type I kerogen will yield a PC of about 80%, type II will yield 50% and type III kerogen 10 to 30% (Nunez-Betelu and Baceta, 1994). Residual organic carbon (weight %) refers to organic carbon that evolved during that part of the experiment that is heating in the presence of oxygen. It is defined as RC = ((S4CO*0.4286) +

($S4CO_2$*0.273)) /10. S4, is a measured parameter obtained from both the $C0_2$ and CO IR cell (detector) responses, like S1, S2, S3, but which is generated during oxidation parts of the experiment. RC gives an indication of residual organic richness at thermal maturities above where S2 has declined to very low values, such as in the "dry gas" catagenetic zone.

Oyxgen index CO (OICO) is equal to S3CO/TOC, which is based on the response at the CO detector at temperatures <550ºC (see Behar et al., 2001, Figure 4a). This is similar to the classic OI = S3/TOC, based on the response at the CO_2 detector at temperatures <400ºC.

Rock-Eval results correlate to other techniques such as vitrinite reflectance (Espitalie et al., 1985; Tissot and Welte, 1978). Source rock potential is sensitive to lithology, TOC and S2 values. It is common practice to rate carbonate rocks with lower TOC comparable with richer clastic rocks. Extractable hydrocarbon (HC) yields from leaner carbonate rocks are comparable to richer clastic rocks (Tissot and Welte, 1978, p. 430; Gehman, 1962). The organic matter associated with carbonate rocks is often more hydrogen-rich and thermally labile than that in fine-grained clastic rocks. As a result, more TOC in carbonate rocks may be transformed into bitumen compared with average clastic source rocks of comparable maturity.

Rock-Eval Results

Results from this study are listed in Table 1. In Table 1, those results that have TOC < 0.3% and S2 < 0.2 are identified with either yellow highlighting (low TOC) or a red font (low S2 parameter), respectively, or both. TOC (wt. %) and T_{max} (°C) are plotted against well depth and formation intersected in Figures 2A through 2R (one figure per well). Note that the formation depths are those reported from Fraser and Hogue (2007). Formation depths often vary from one researcher to another, and we have employed the most recent formation depth values published for Yukon wells. In some reports included in this open file, the formation sampled may not correspond to the formation assigned in this report, however, these instances are rare and occur mainly near formation contacts. Rock-Eval S2 versus TOC plots are useful to compare the petroleum-generative potential of source rocks (e.g., Langford and Blanc-Valleron, 1990 in Peters et al., 2006). The slope of the line radiating from the origin is directly related to the hydrogen index.

Vitrinite Reflectance Results

Vitrinite reflectance (VR) is a key thermal maturity measure in petroleum source rocks (Peters et al., 2005). Vitrinite is a maceral group type that is derived from terrigenous higher plants and is often dispersed as organic matter in sedimentary rocks. Vitrinite becomes more aromatized and reflective with increasing thermal maturity. VR values have been used to describe the beginning and end of oil generation (Peters et al., 2005).

Vitrinite reflectance data reported herein are compiled from a Geological Survey of Canada (GSC) Open File (Feinstein et al., 1988) and an industry report (Geochem Laboratories Canada Ltd., 1977). No new data were acquired for this study. The reflectance (random) values reported in the Feinstein et al. (1988) were obtained from vitrinite and pyrobitumen macerals that were translated to vitrinite reflectance equivalent values (reported in Table 3) (Feinstein et al., 1988). Values reported by Geochem Laboratories Canada Ltd. (1977) were obtained from reflectance of vitrinite and associated kerogen types extracted from the cuttings. There are inferred relationships between VR measurements and both maximum paleotemperatures and Tmax Rock-Eval parameters. In this report all VR data were converted to equivalent T_{max} values using ((Ro+7.16)/0.018) (Peters et al., 2005) and are plotted on Figures 2a-2r. Proposed relationships between VR and maximum paleotemperatures (Barker and Pawlewicz, 1994; Sweeney and Burnham, 1990) are illustrated in Figure 3 (see below); Figure from Prof. Dr. Ralf Lettke's, Aachen University website http://www.lek.rwth-aachen.de/cms/.

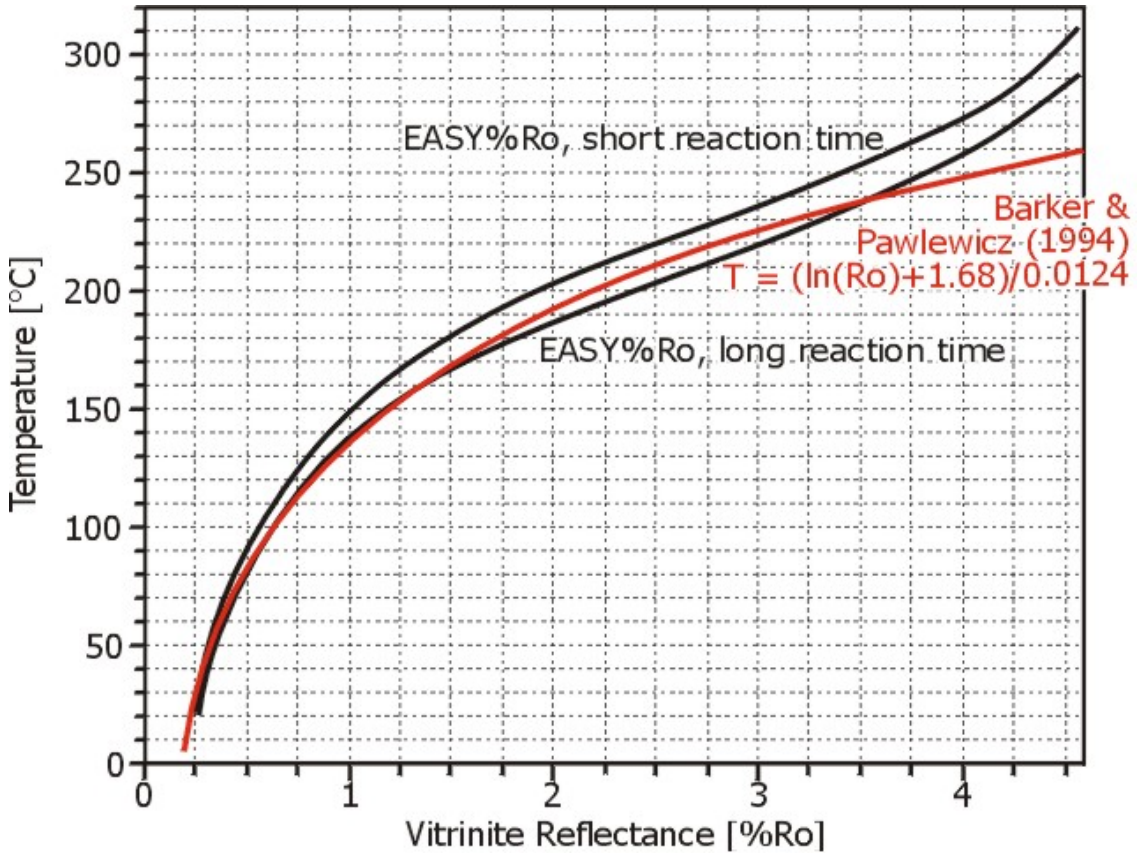

Figure 3. Proposed relationships between VR and maximum paleotemperatures (Barker and Pawlewicz, 1994; Sweeney and Burnham, 1990).

The authors encourage comments/suggestions about this open file.[1]

Acknowledgements

The authors would like to acknowledge the support received from the Mackenzie Corridor Project of the GSC for sample processing. Mark Obermajer, also of the GSC, Calgary, was helpful in finding previously determined data in their databases. Finally, the authors would like to thank Grant Lowey for reviewing the document.

[1] Please submit comments/suggestions to either first or second author or to the Petroleum Assessment Geologist, Yukon Geological Survey, P.O. Box 2703 (K-10), Whitehorse, Yukon, Y1A 2C6, or by telephone 867-667-8508.

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GSC-Calgary Well File: Peel H-71Earth Sciences Sector, Natural Resources Canada, Government of Canada.

GSC-Calgary Well File: Peel River I-21Earth Sciences Sector, Natural Resources Canada, Government of Canada.

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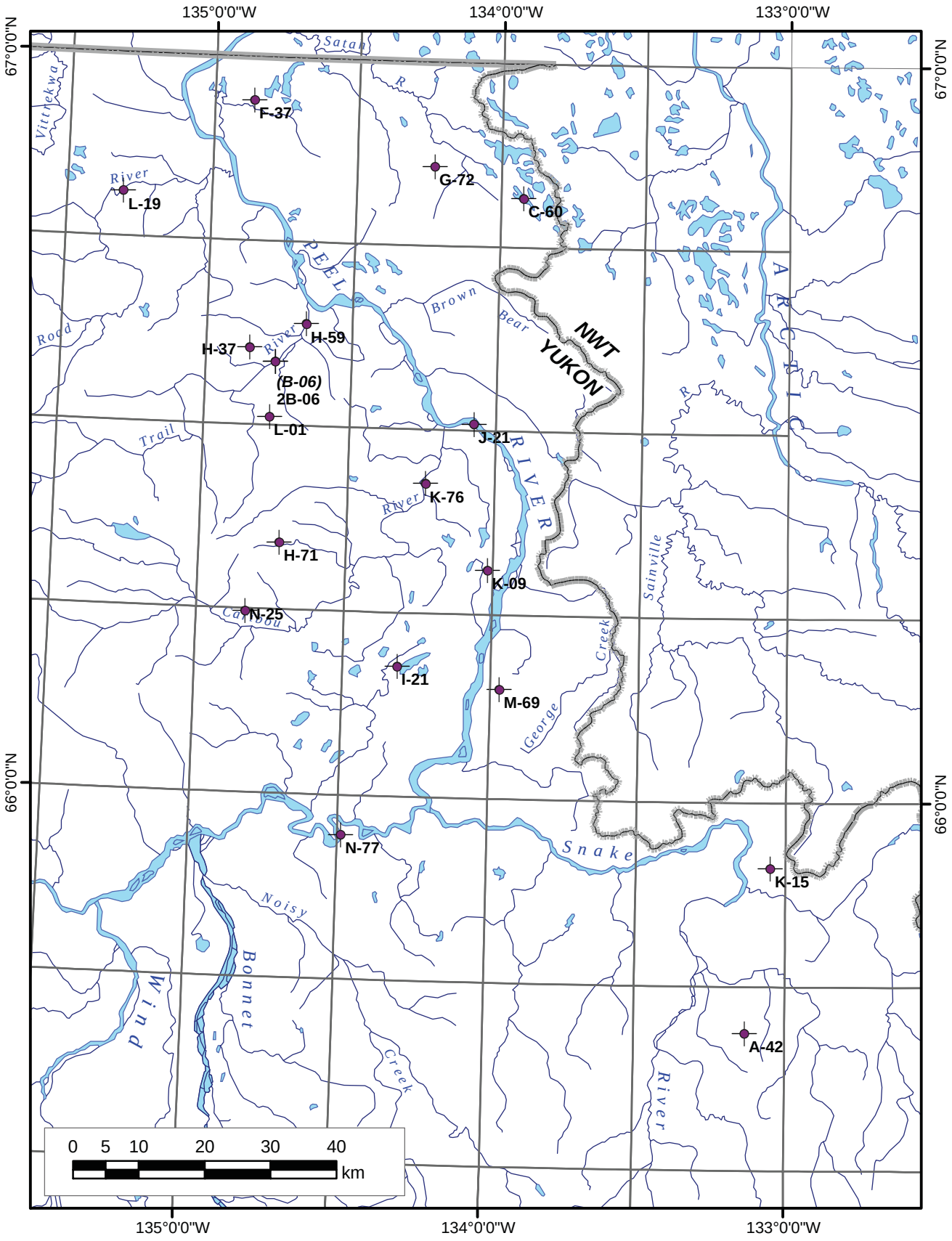
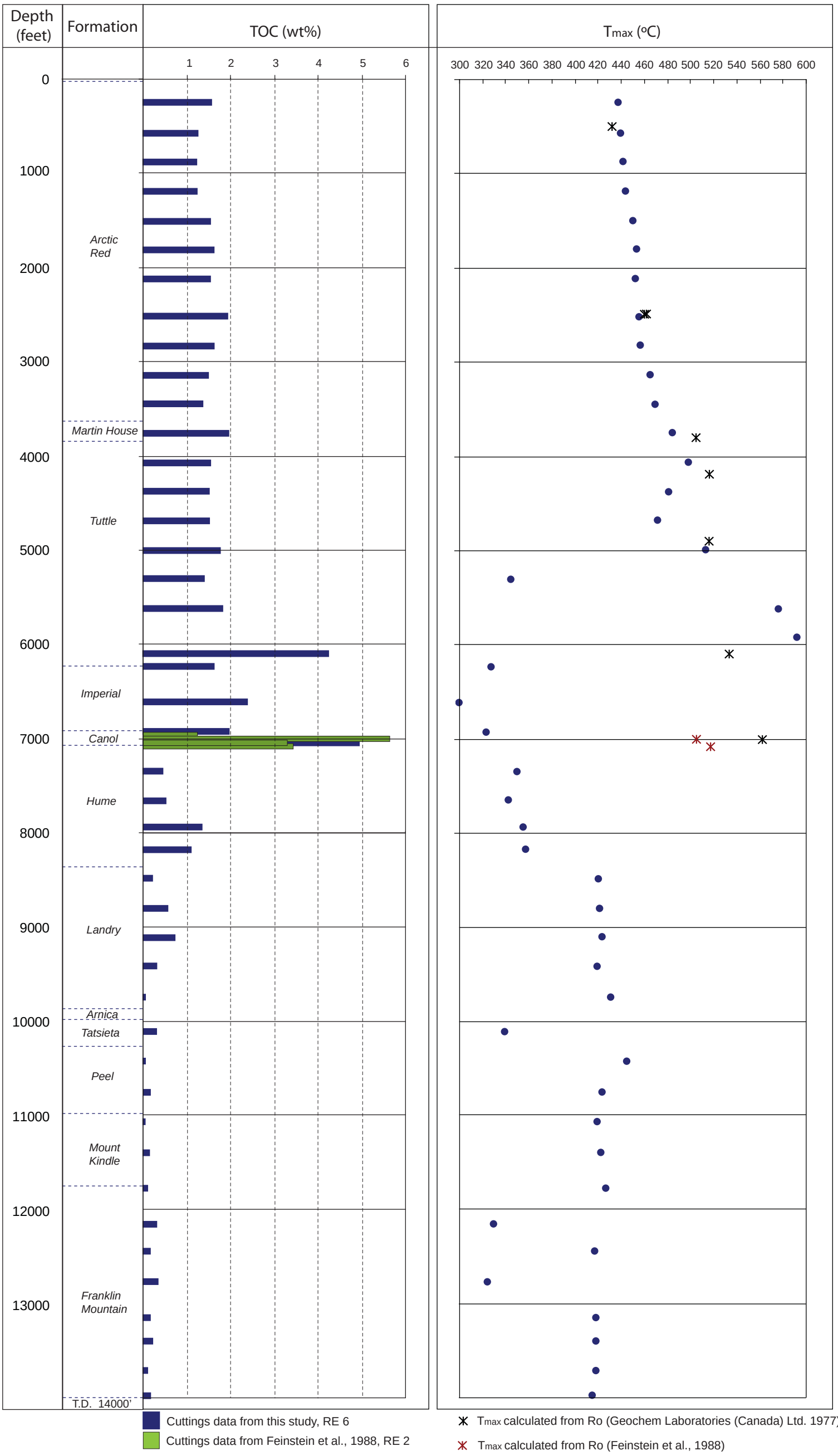


Figure 1. Map of oil and gas wells sampled for this study, Peel region, Yukon. Note that well B-06 was not sampled for this study.

Figure 2a-r. Plots for each well sampled, including formation top depths (from Fraser and Hogue, 2007), sample locations with correlating total organic carbon (TOC) and T_{max} values. Historical data are included for completeness.

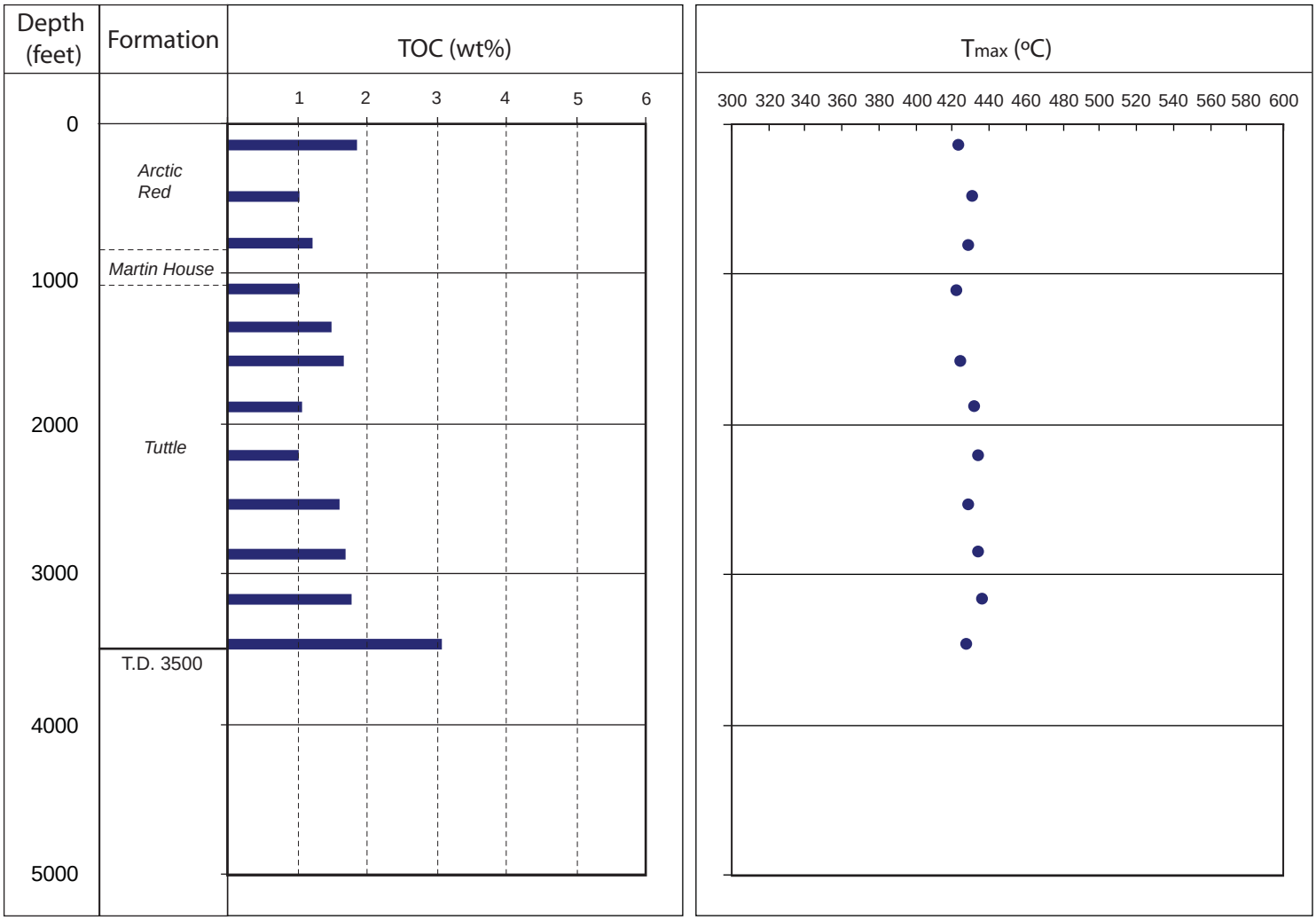
Cranswick Y.T. A-42

Figure 2-A



Peel River Y.T. 2B-06

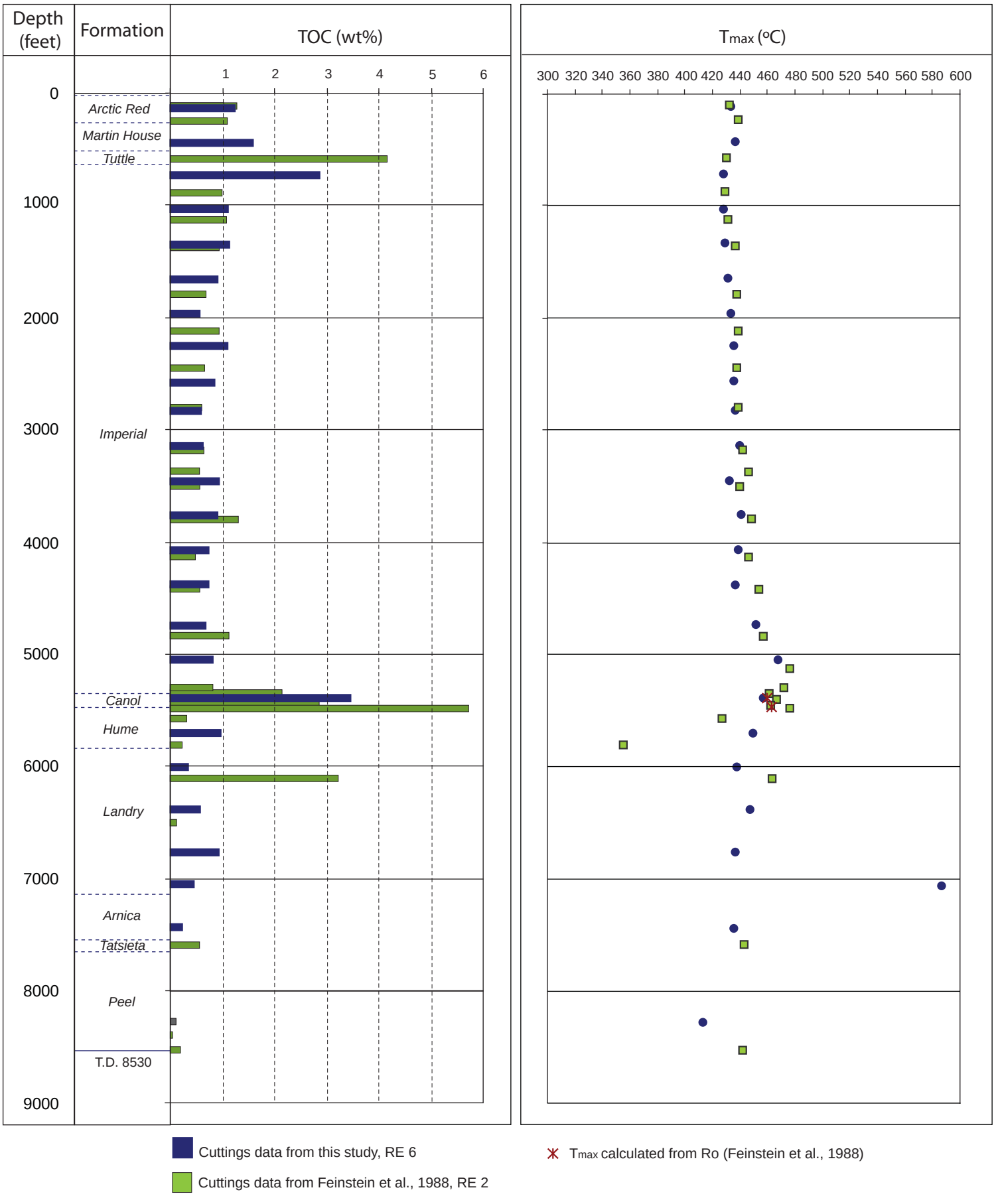
Figure 2-B



Cuttings data from this study, RE 6

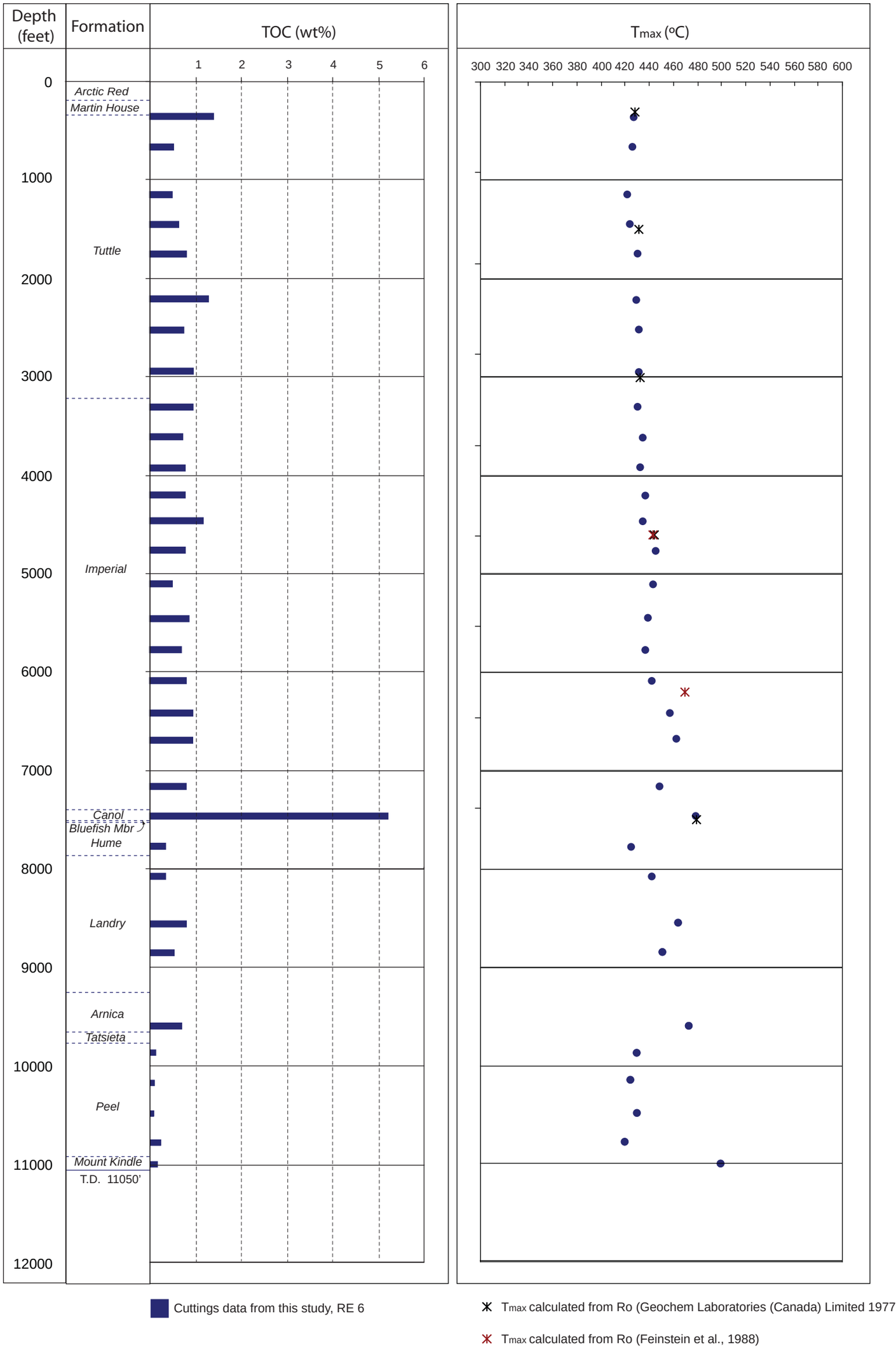
Arctic Red Y.T. C-60

Figure 2-C



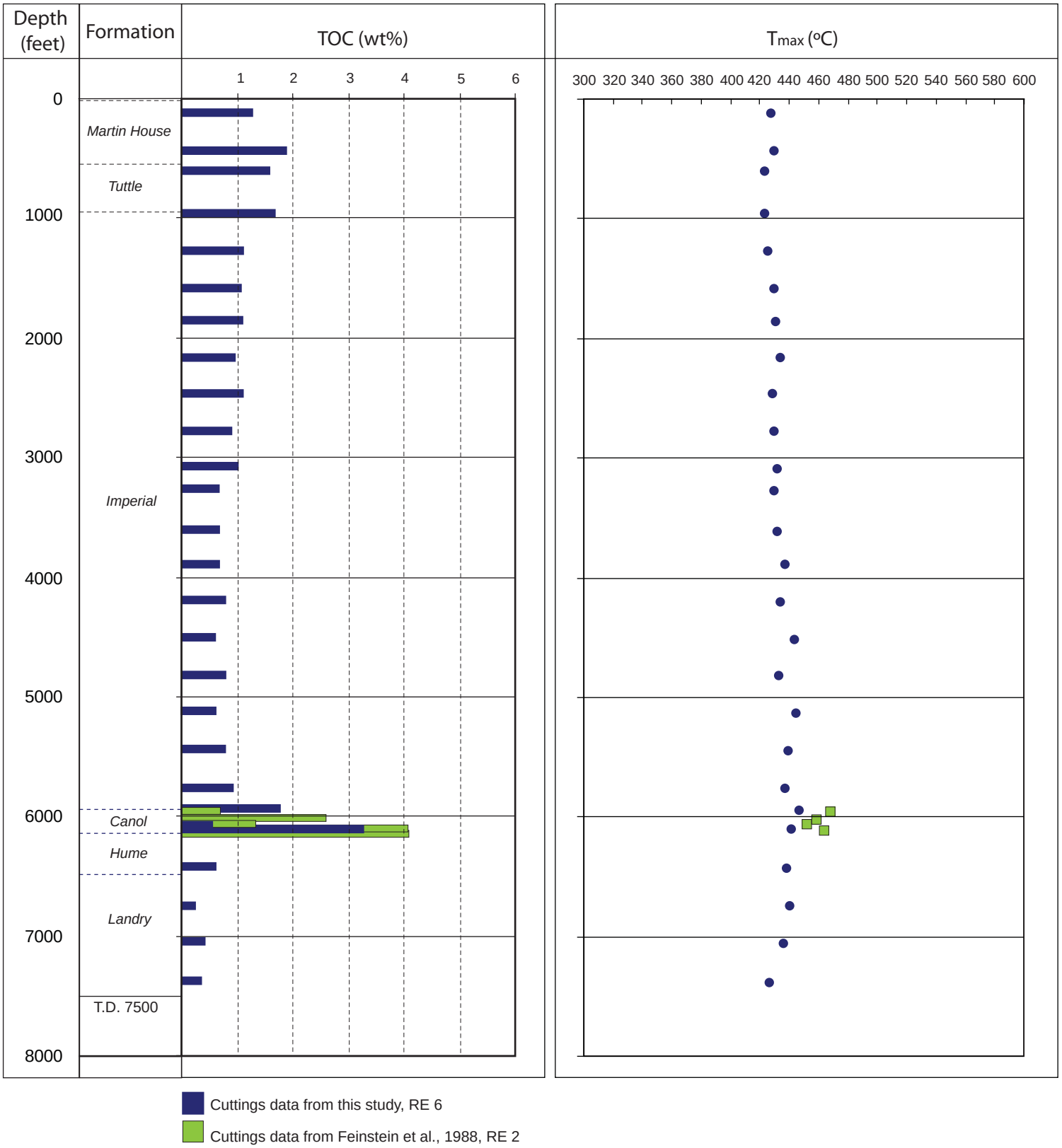
Peel Y.T. F-37

Figure 2-D



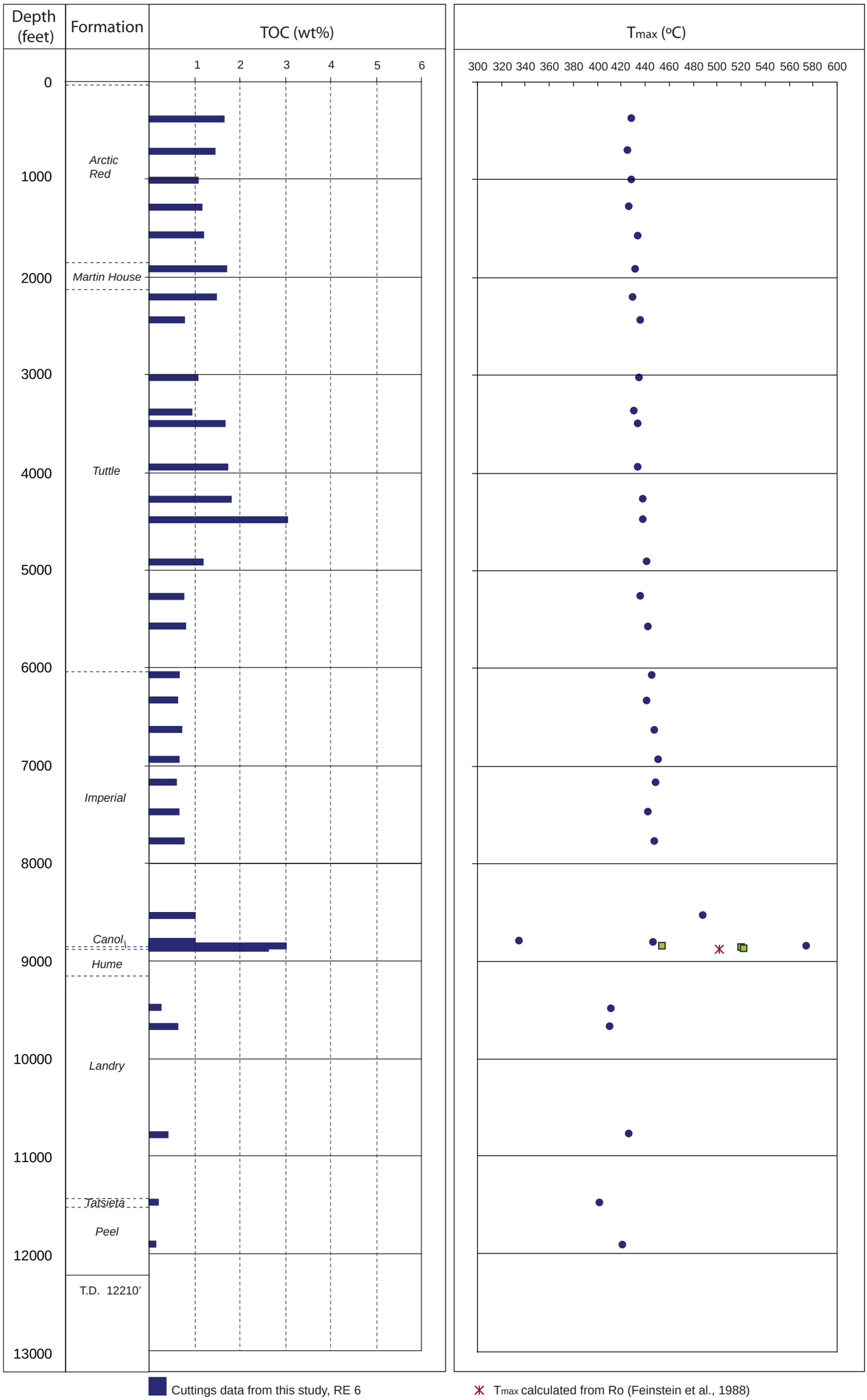
Satah River G-72

Figure 2-E



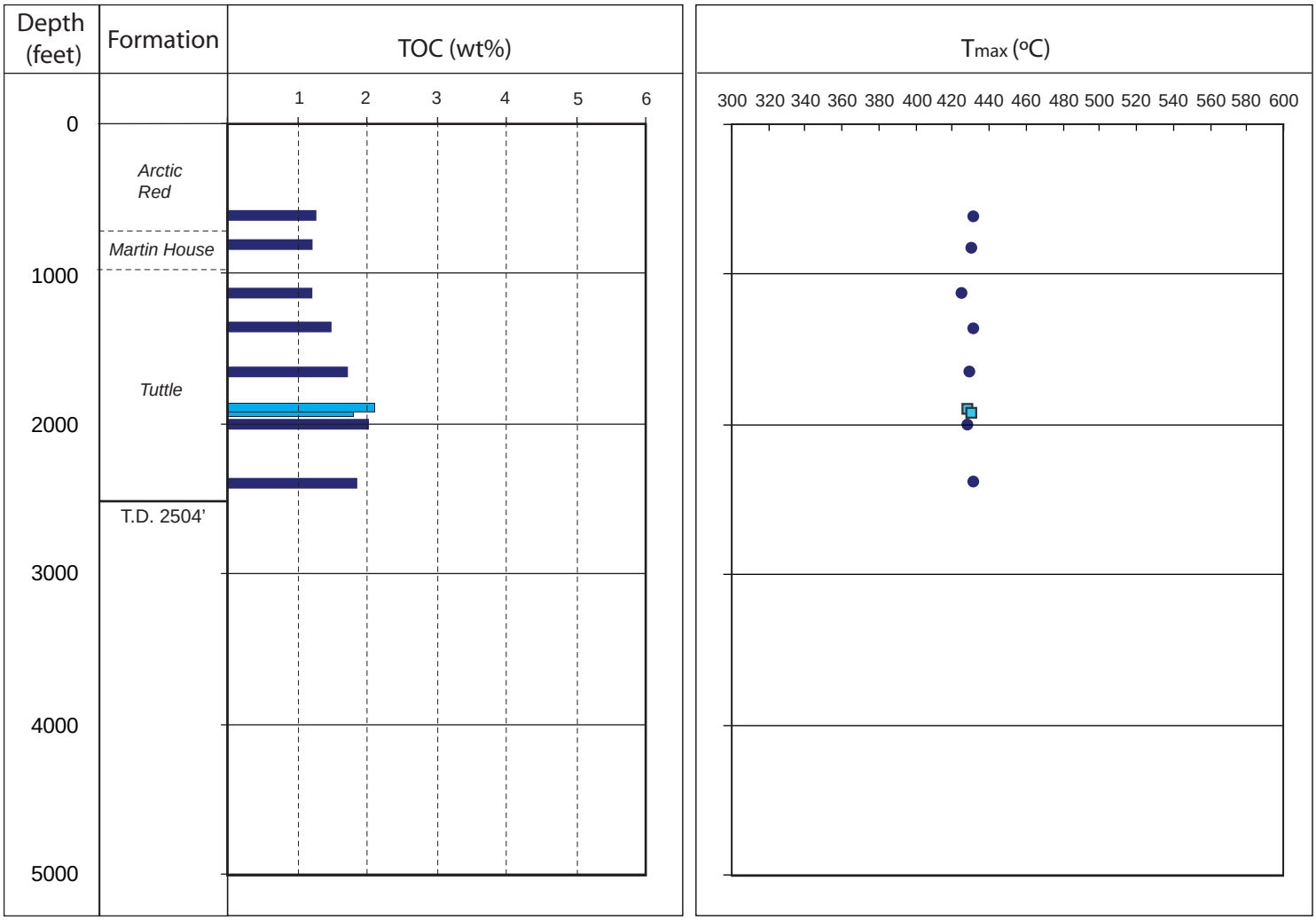
Trail River Y.T. H-37

Figure 2-F



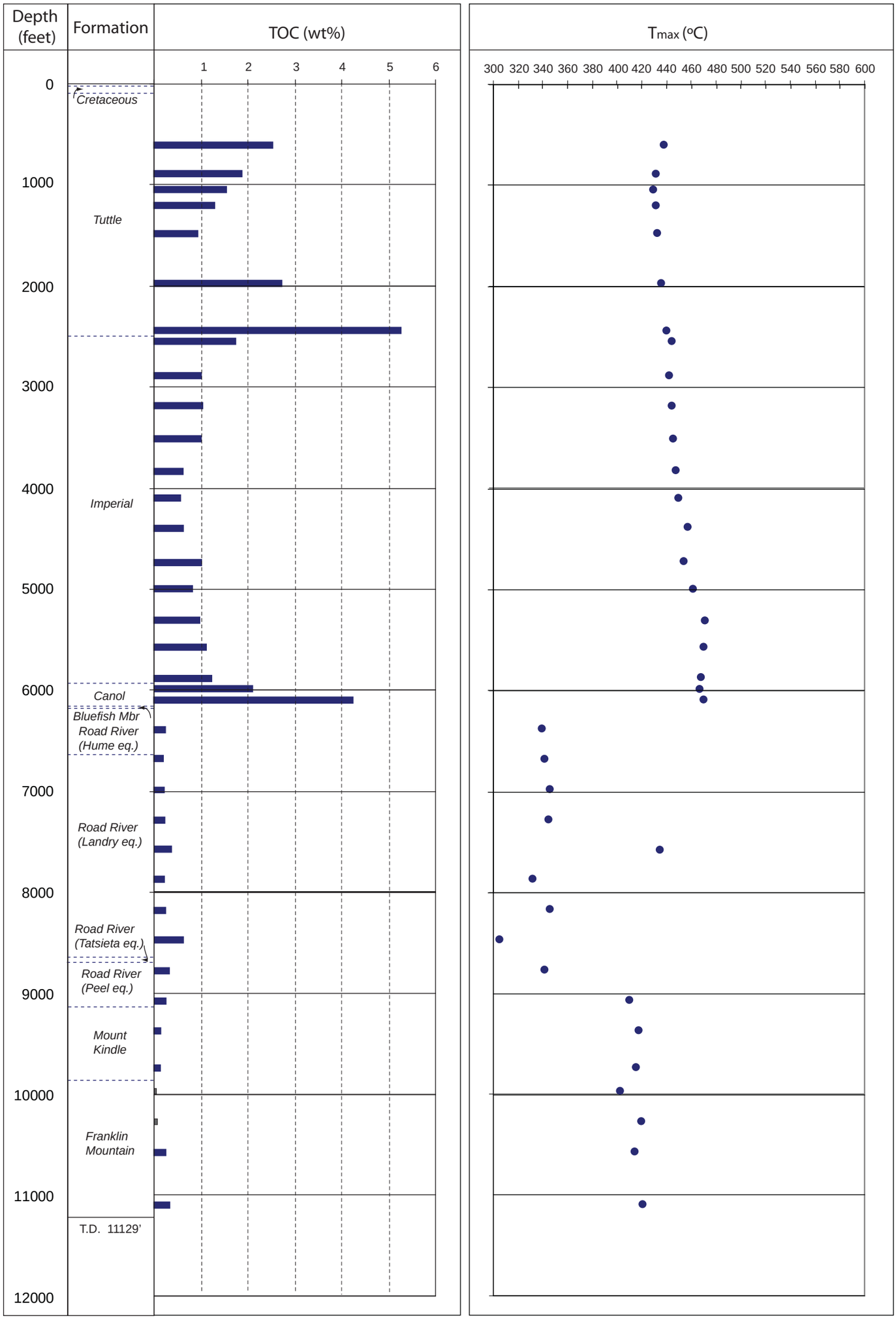
Peel River Y.T. H-59

Figure 2-G



Peel River Y.T. H-71

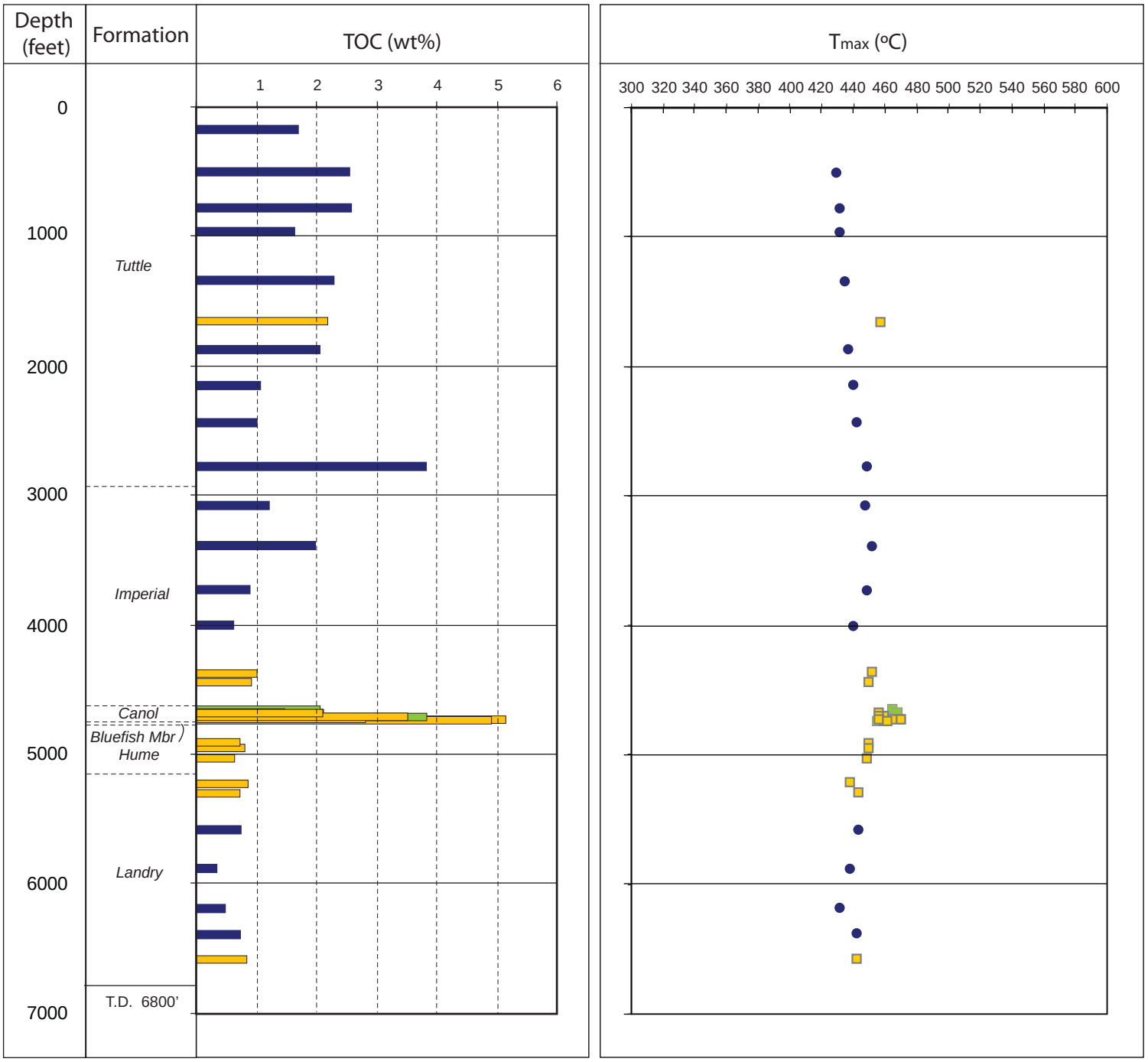
Figure 2-H



Cuttings data from this study, RE 6

Peel River Y.T. I-21

Figure 2-I



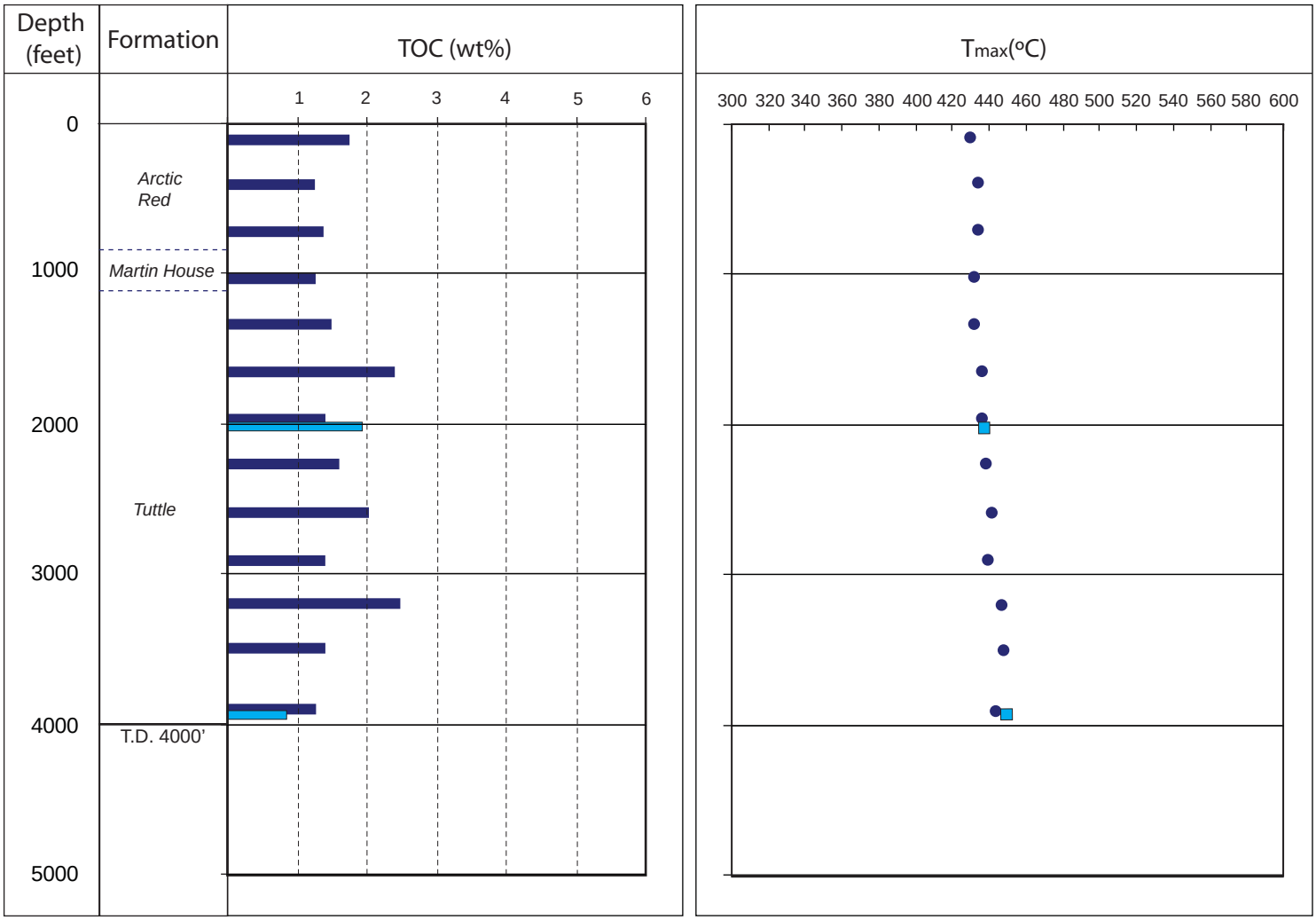
Cuttings data from this study, RE 6

Cuttings data from 2007: Rock Eval Database, RE 6

Cuttings data from Feinstein et al., 1988, RE 2

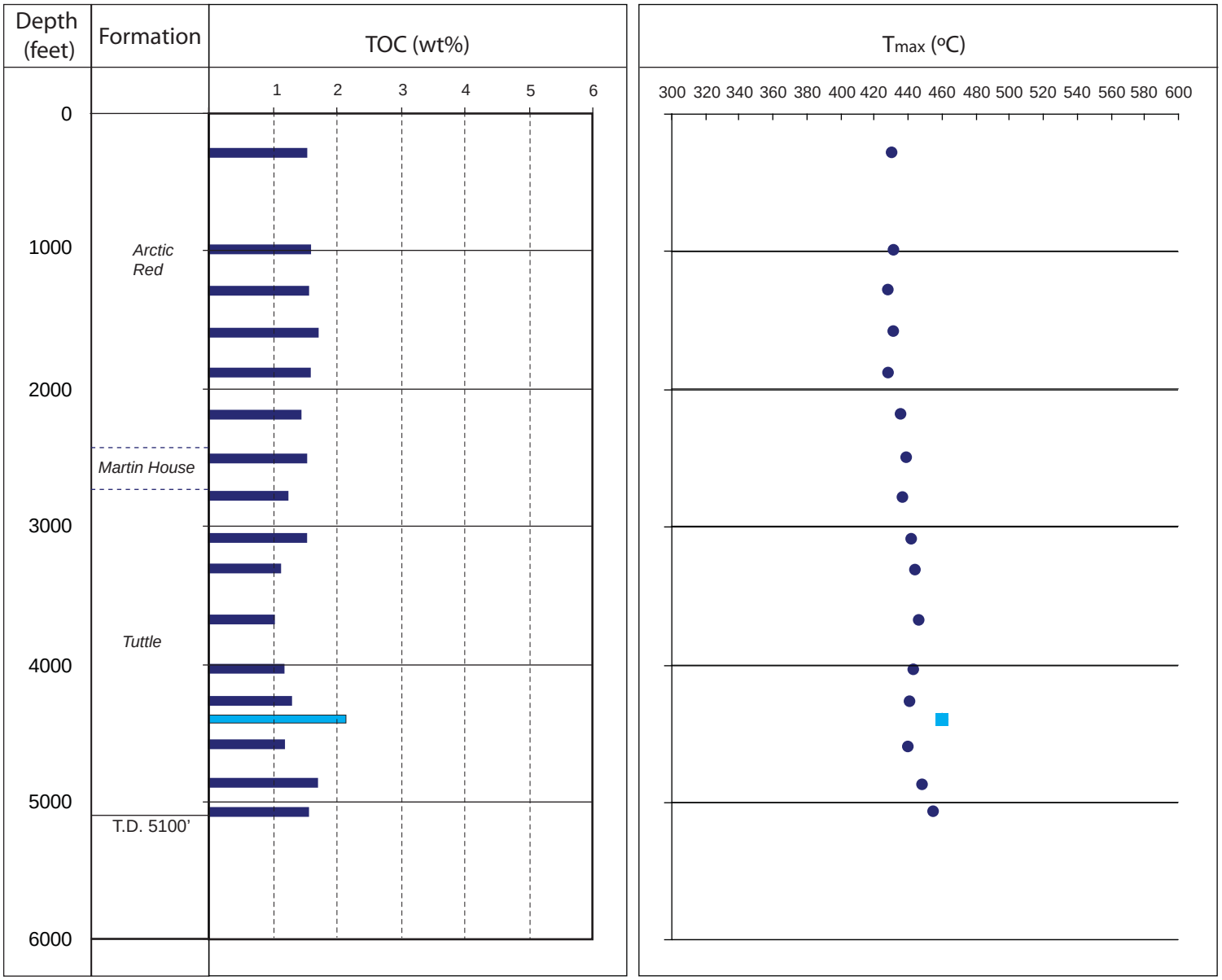
Peel River Y.T. J-21

Figure 2-J



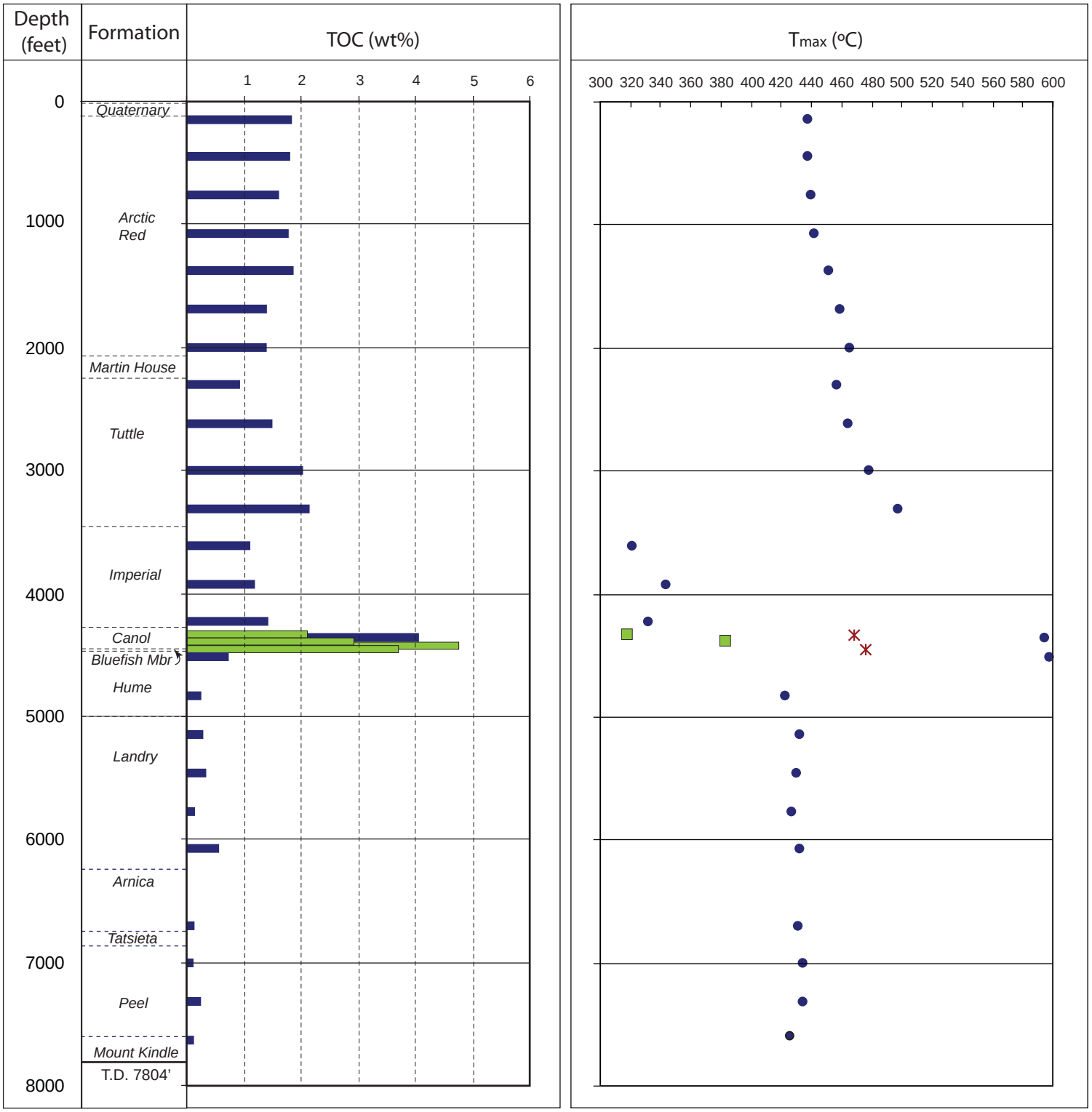
Peel River Y.T. K-09

Figure 2-K



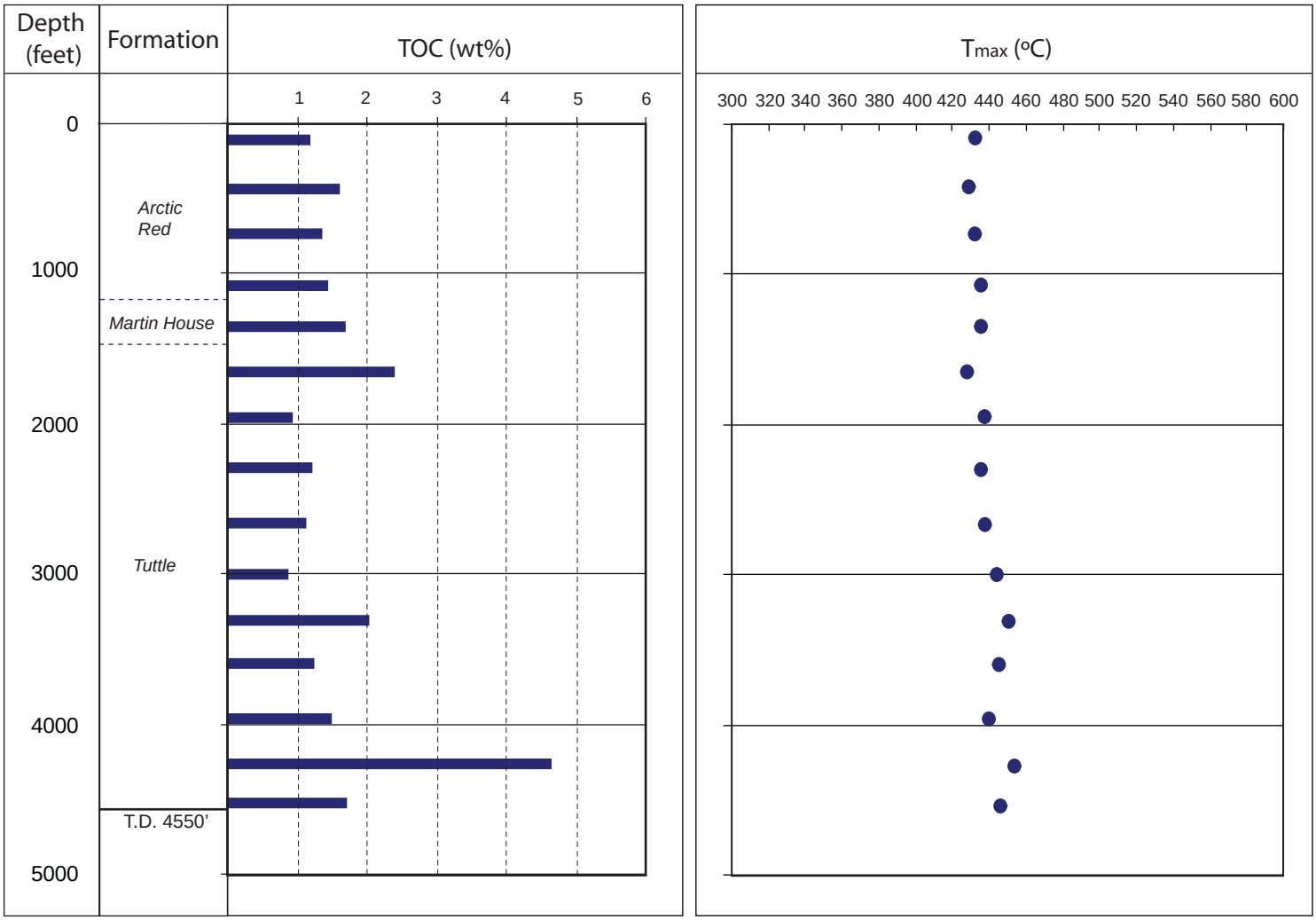
Taylor Lake Y.T. K-15

Figure 2-L



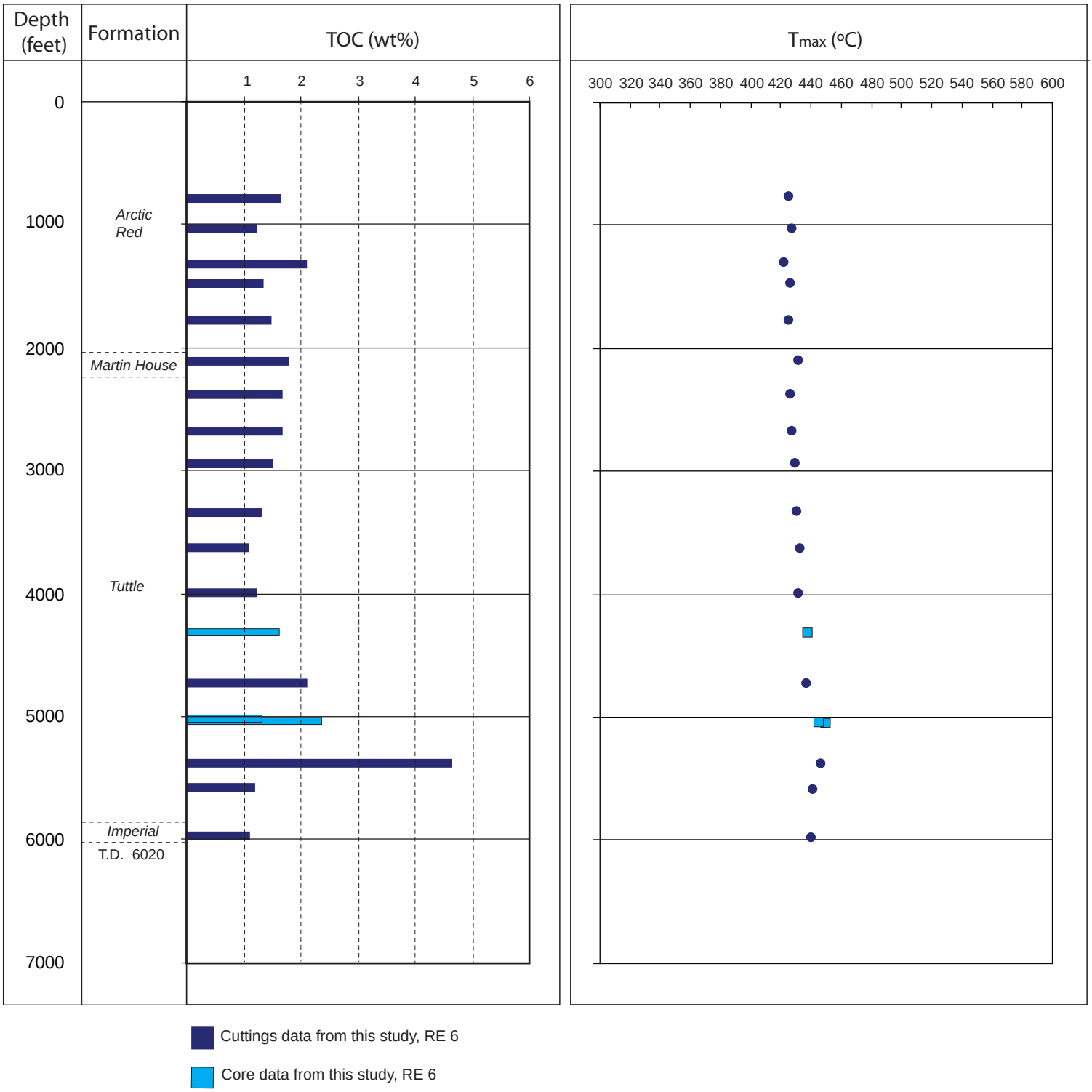
Peel River Y.T. K-76

Figure 2-M



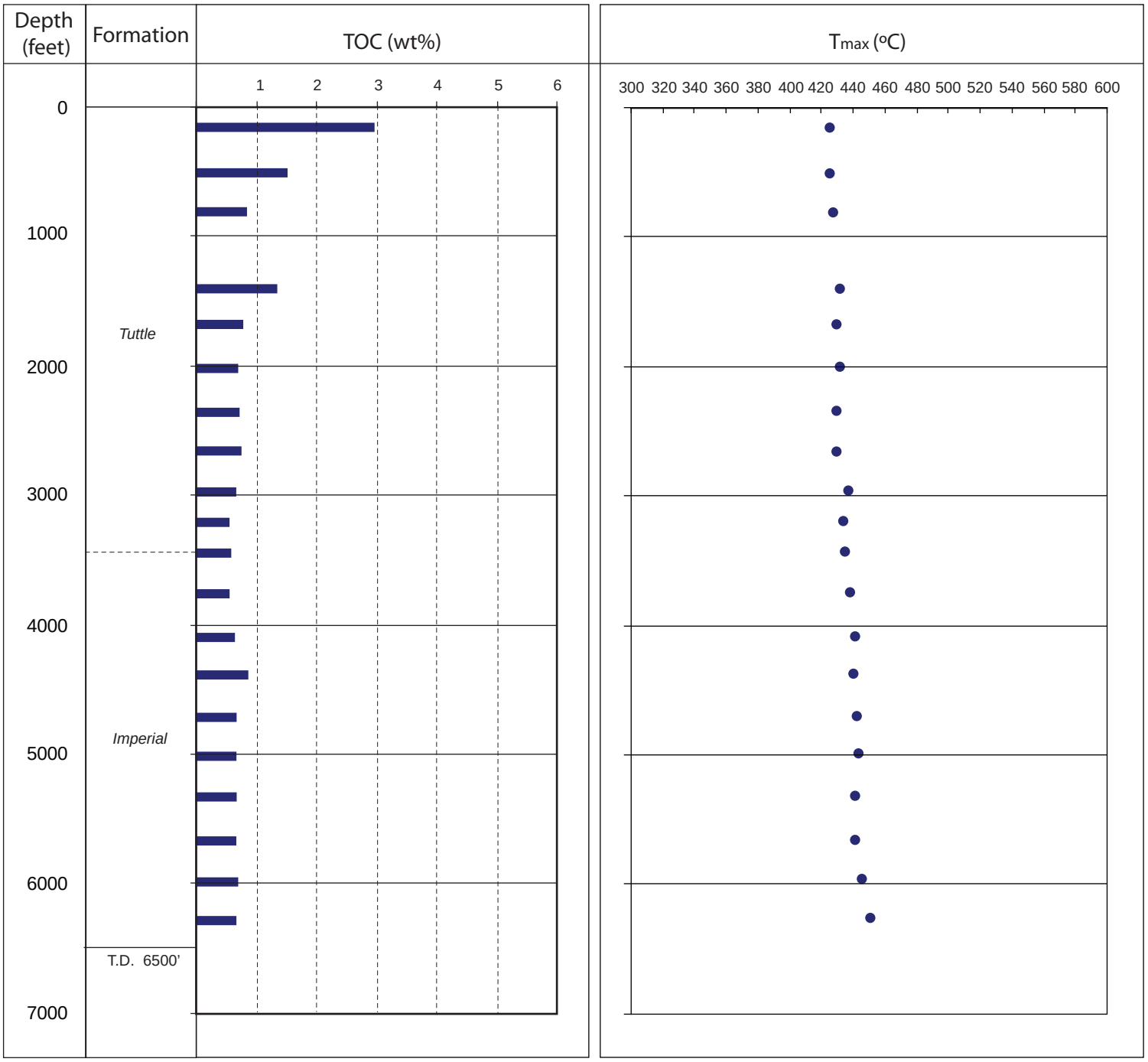
Peel River Y.T. L-01

Figure 2-N



Peel River Y.T. L-19

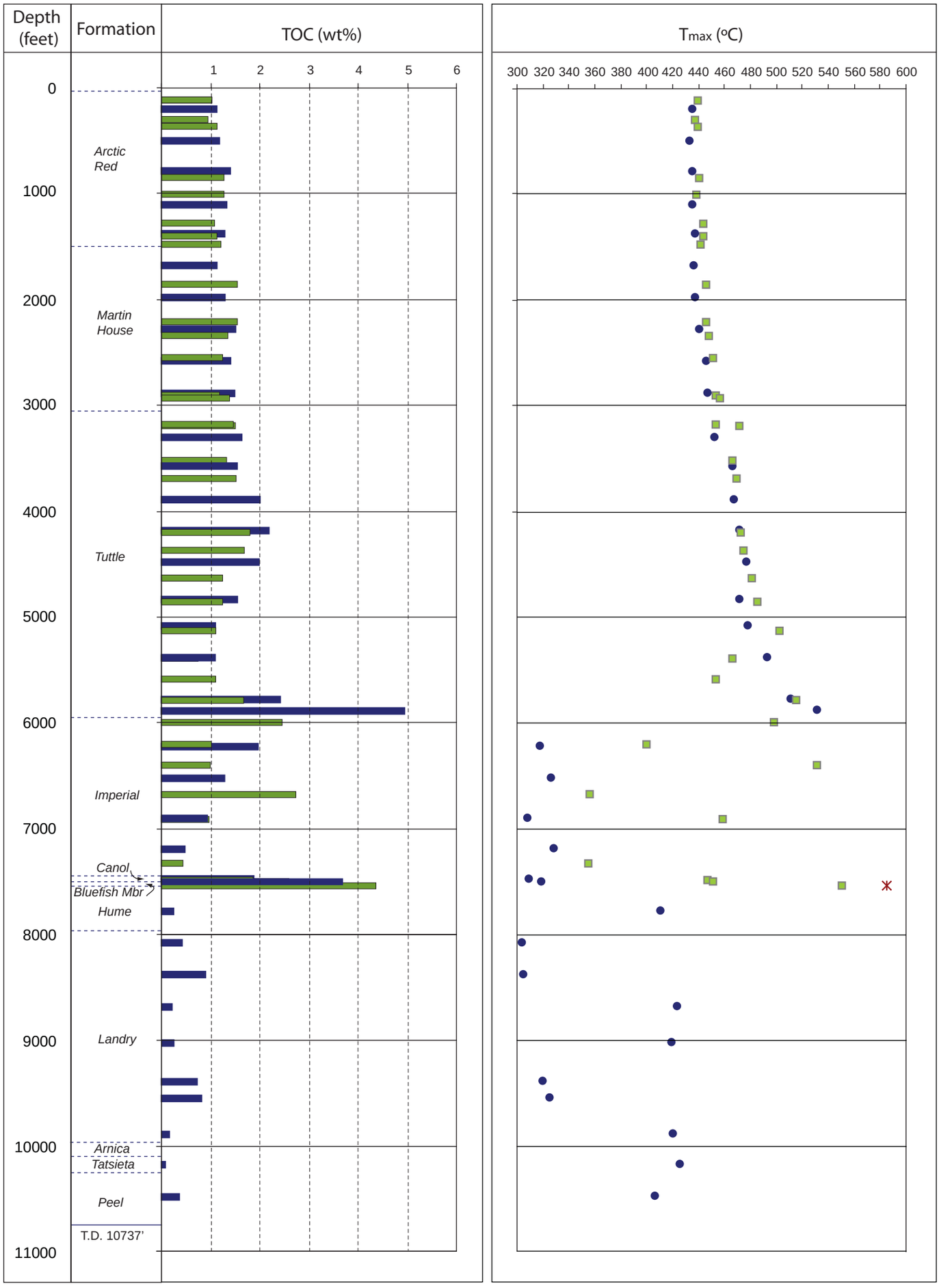
Figure 2-O



Cuttings data from this study, RE 6

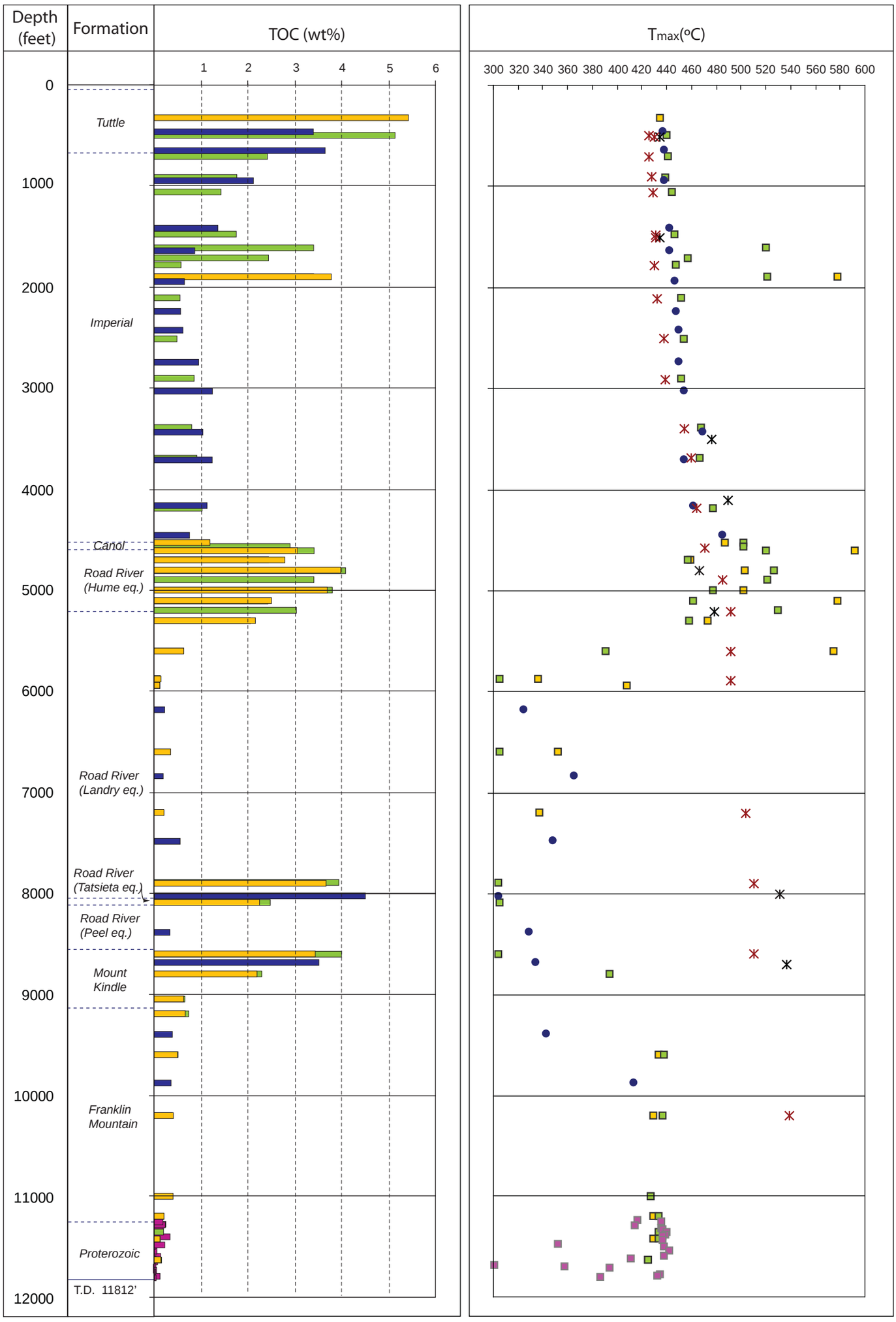
Peel River Y.T. M-69

Figure 2-P



Caribou Y.T. N-25

Figure 2-Q



Cuttings data from this study, RE 6

Cuttings data from Snowdon, 1990, RE 2

Cuttings data from 2007: Rock Eval Database, RE 6

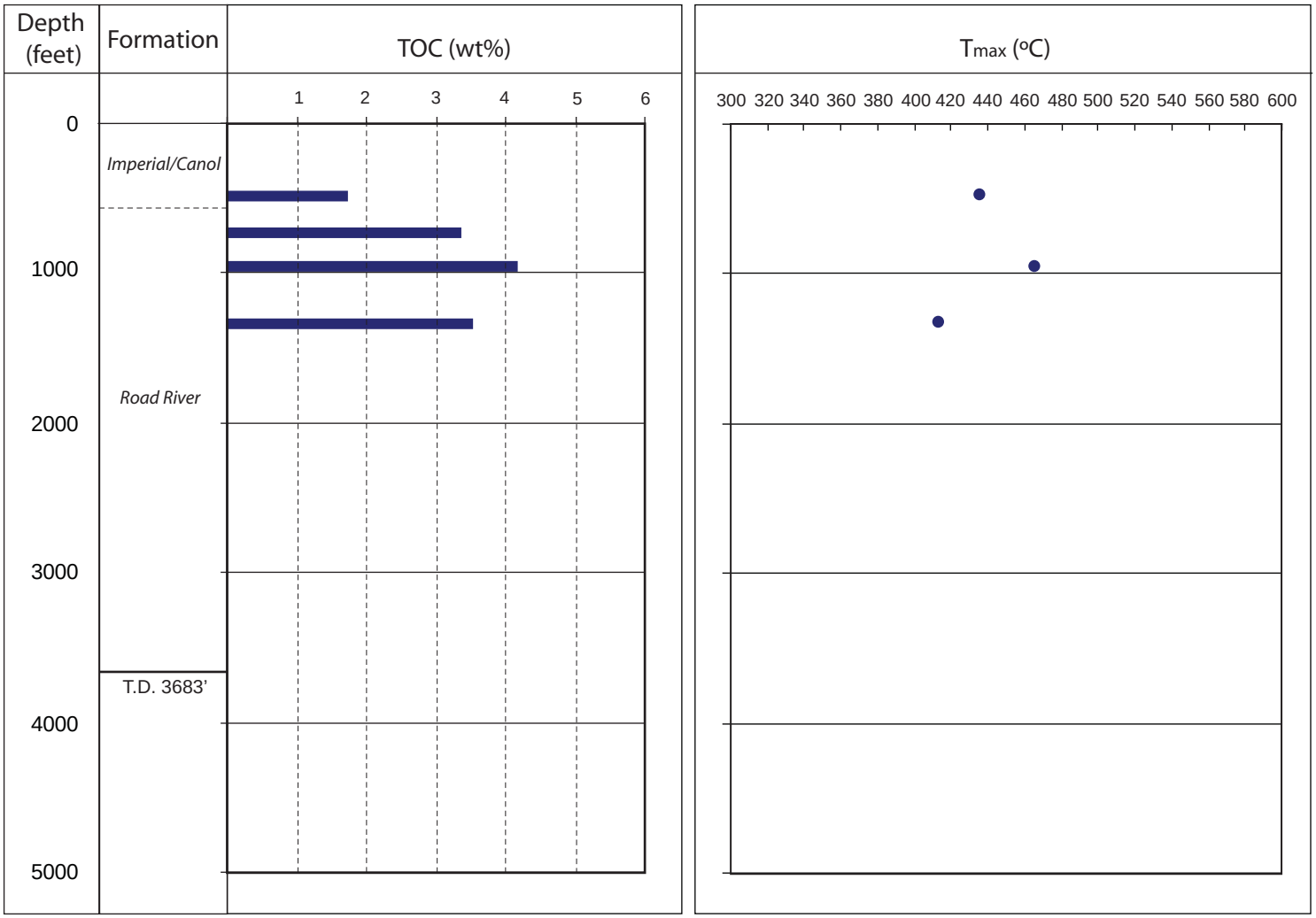
Cuttings data from Feinstein et al., 1988, RE 2

T_{max} calculated from Ro (Geochem Laboratories (Canada) Ltd. 1977)

T_{max} calculated from Ro (Feinstein et al., 1988)

Peel River Y.T. N-77

Figure 2-R



Cuttings data from this study, RE 6

Note: washed cuttings in this well exist between 450 and 1470 feet.

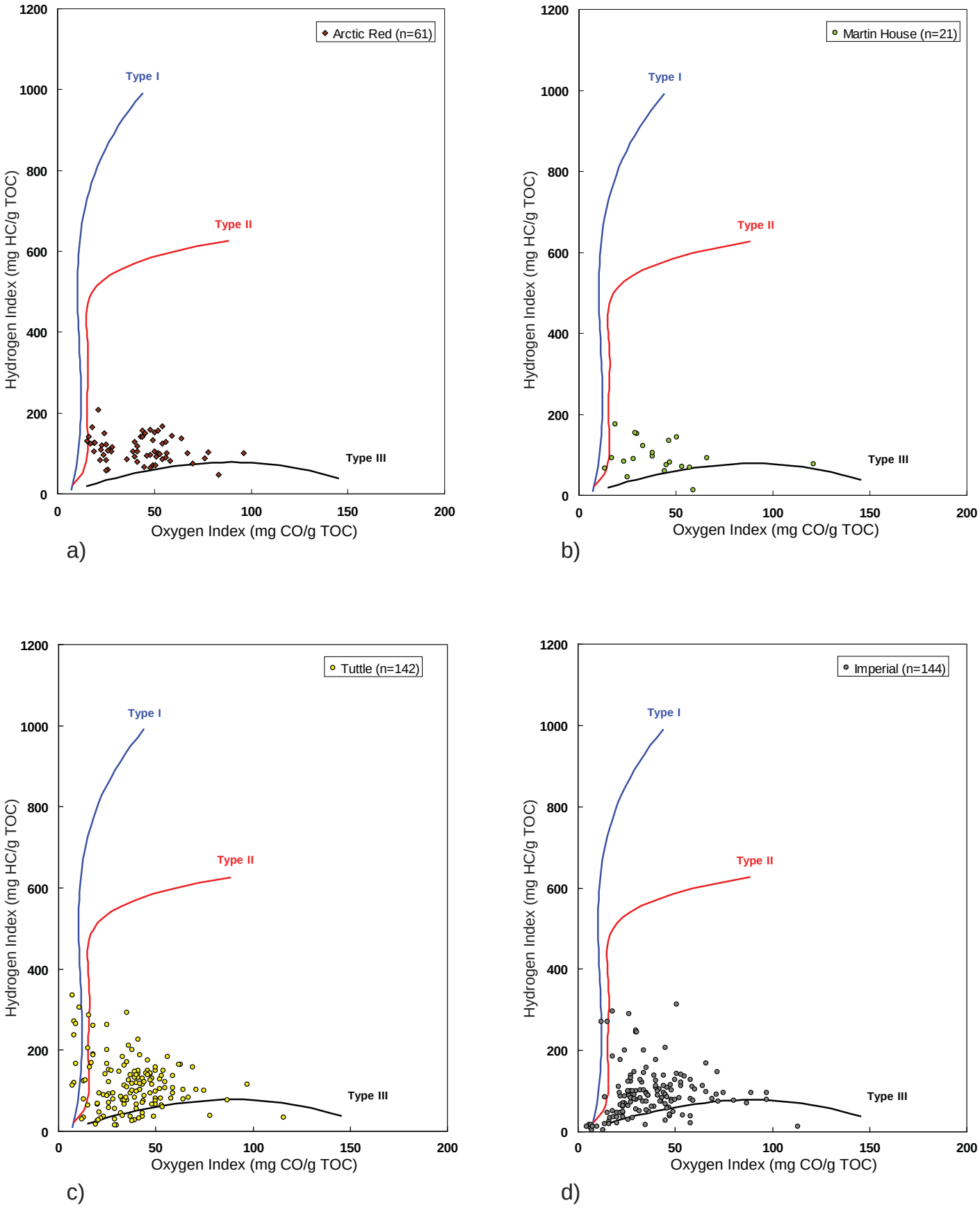
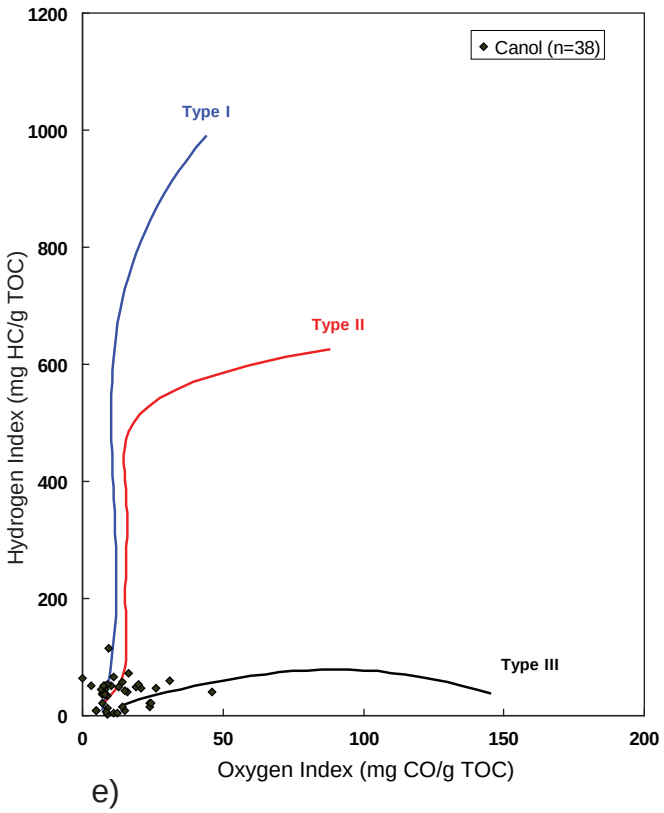


Figure 3. Hydrogen index (HI) versus oyxgen index (OI) plots for the Arctic Red (3a), Martin House (3b), Tuttle (3c) and Imperial (3d) formations. See Table 1 for data.



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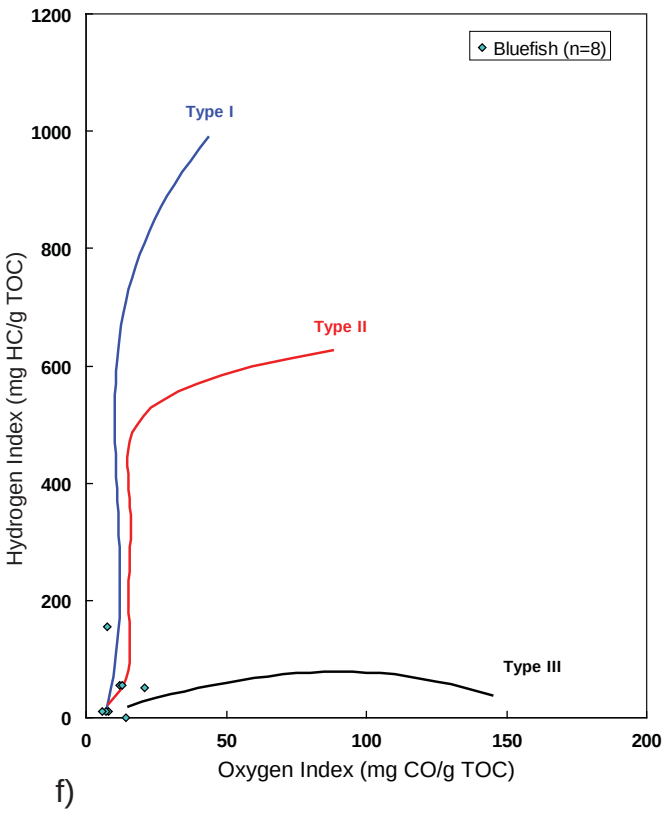

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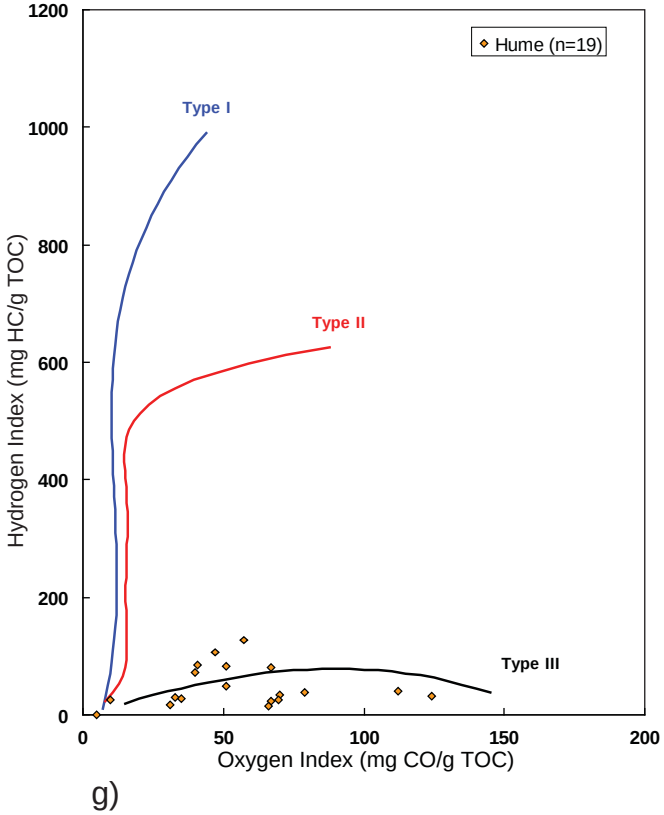

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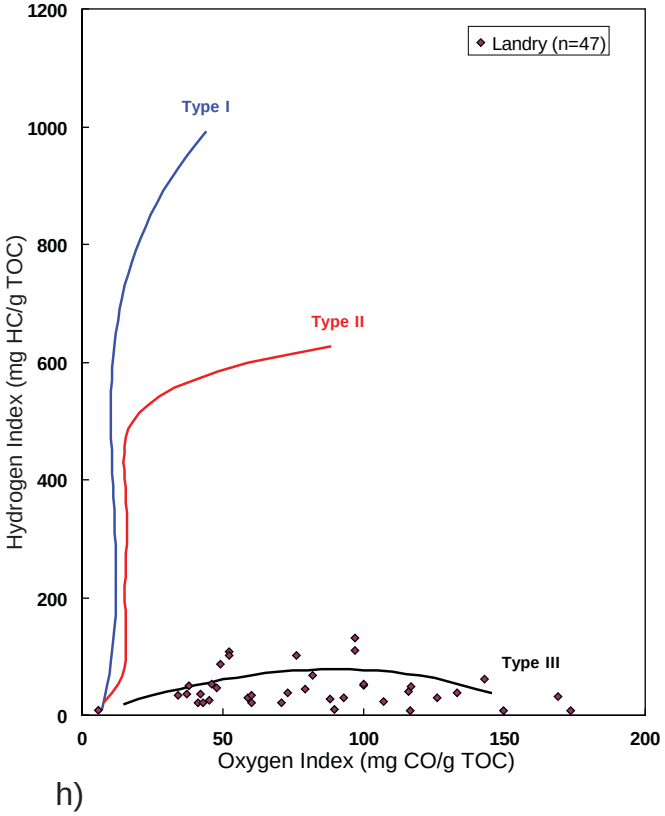
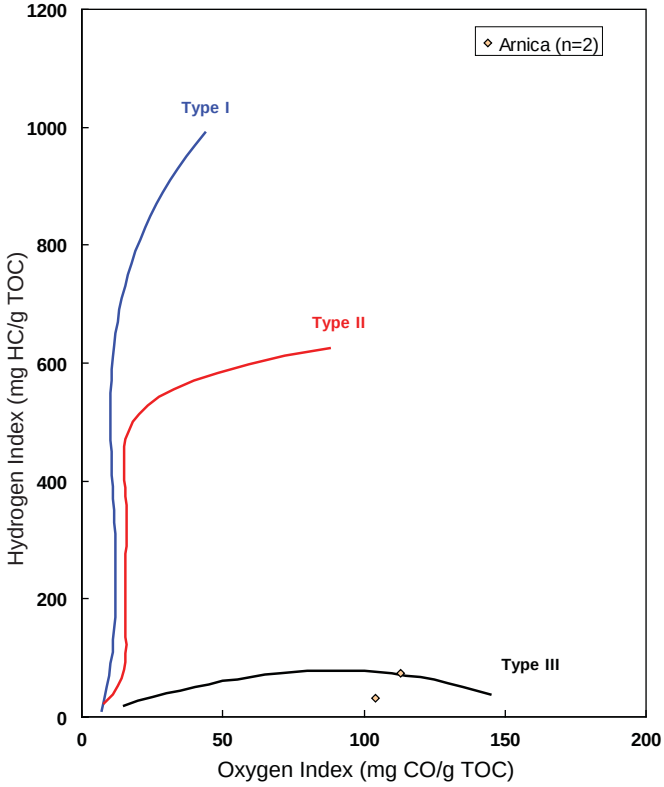


h)

Figure 3. Hydrogen index (HI) versus oyxgen index (OI) plots for the Canol (3e), Bluefish (3f), Hume (3g) and Landry (3h) formations. See Table 1 for data.



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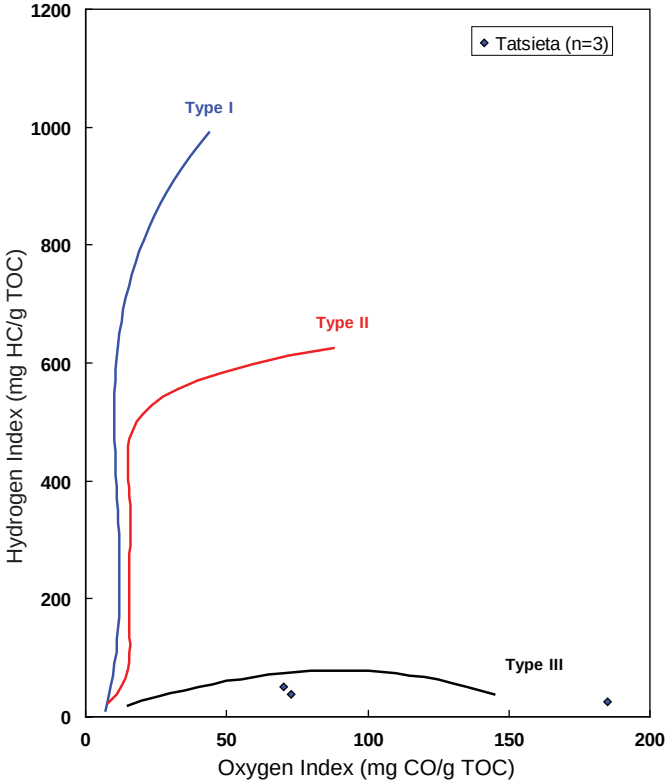

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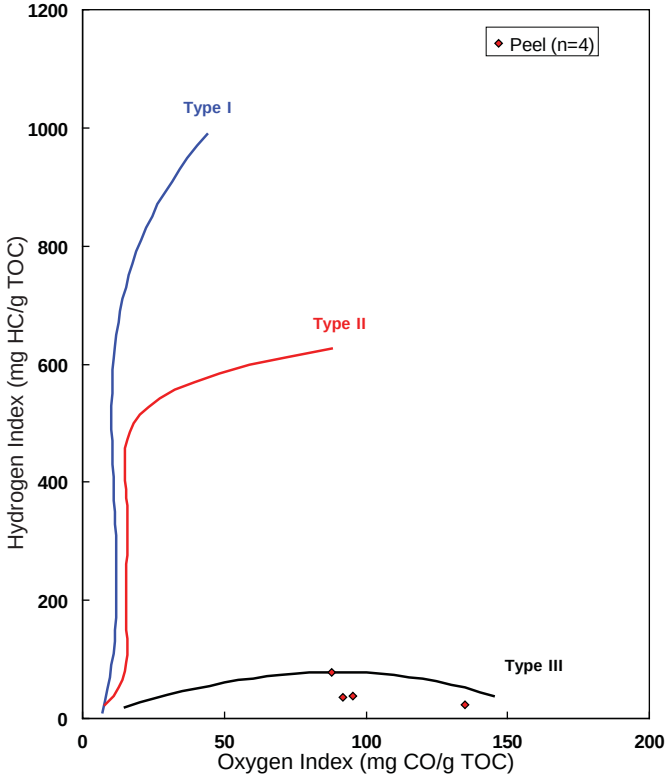
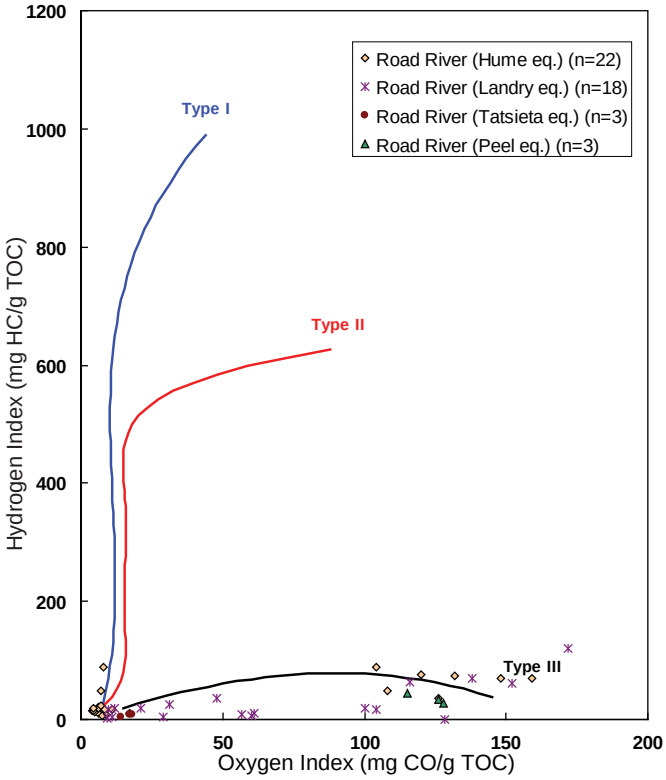
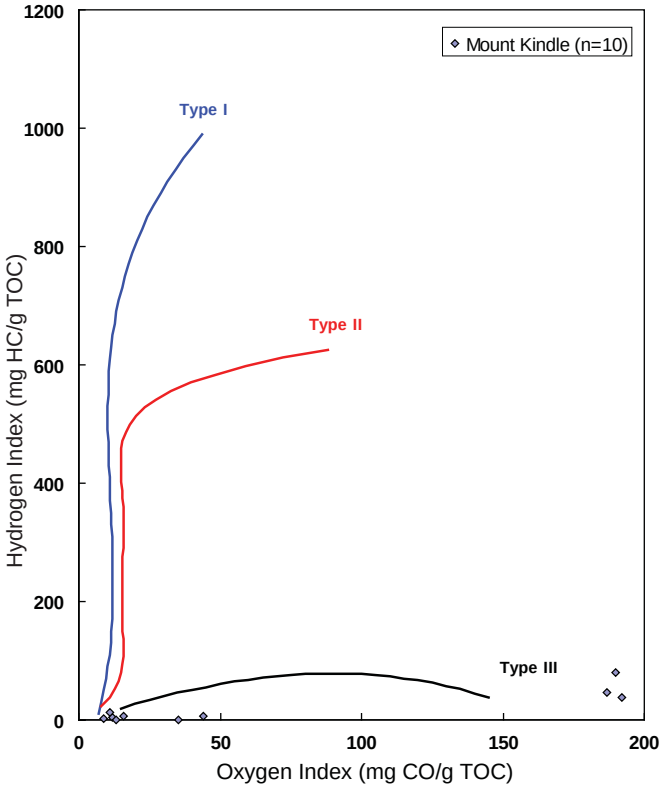


k)



l)

Figure 3. Hydrogen index (HI) versus oyxgen index (OI) plots for the Arnica (3i), Tatsieta (3j), Peel (3k) and Road River (3l) formations. See Table 1 for data.



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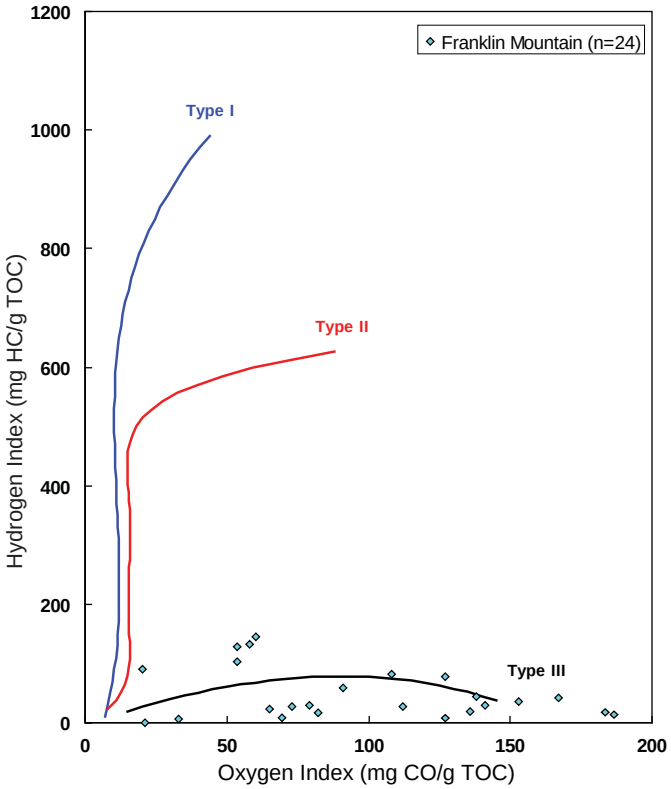

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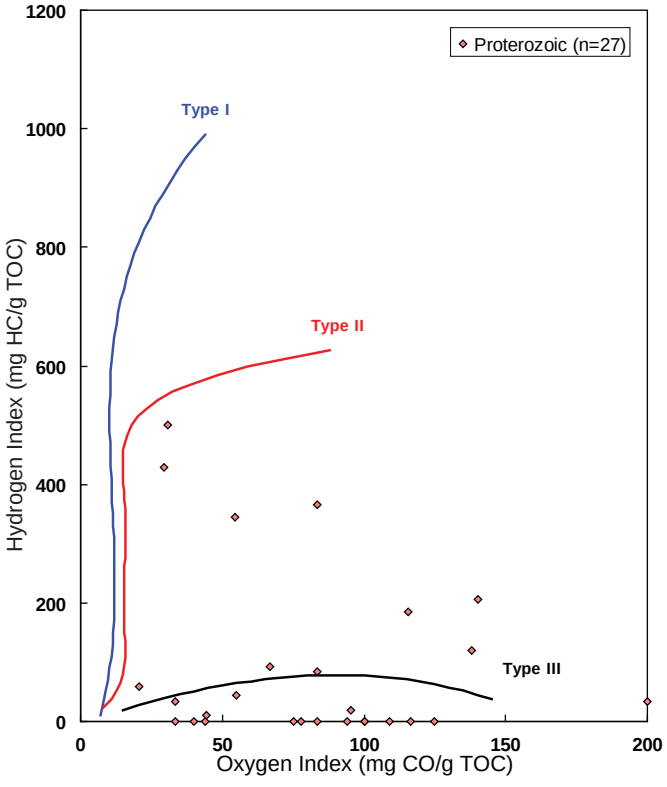
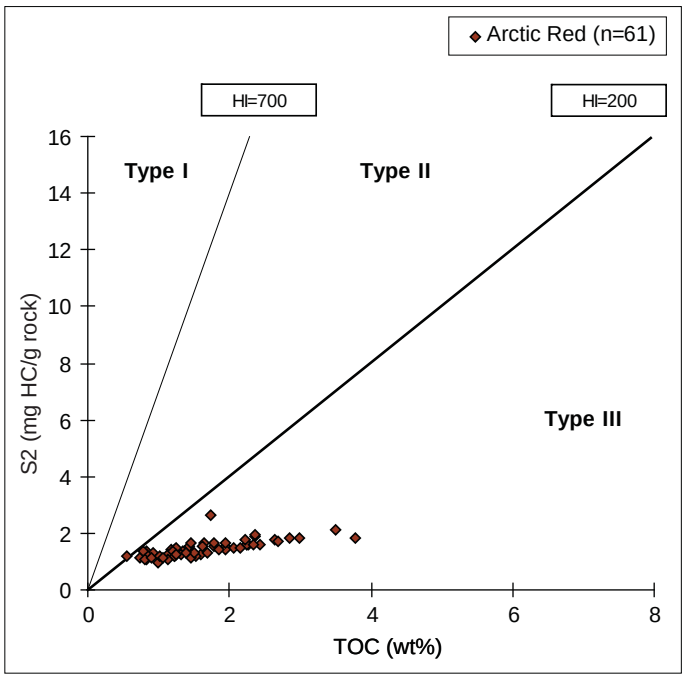
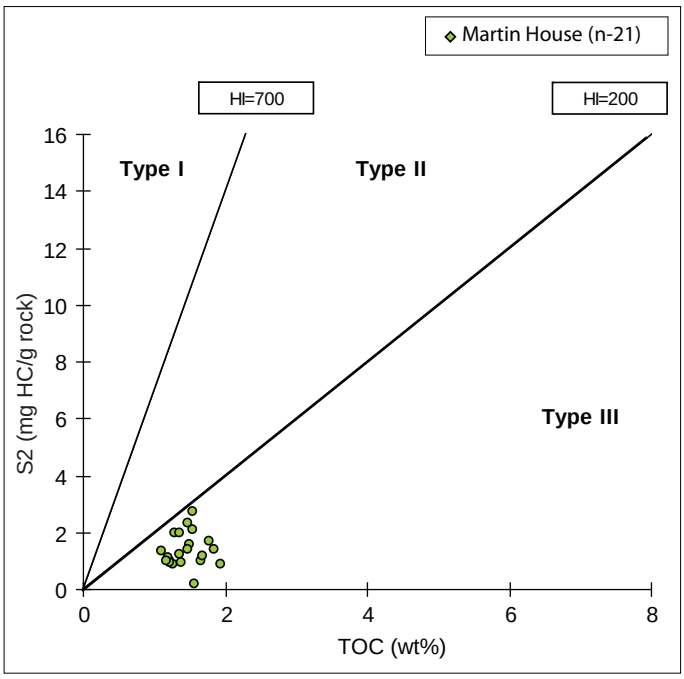


o)

Figure 3. Hydrogen index (HI) versus oyxgen index (OI) plots for Mount Kindle (3m), Franklin Mountain (3n) and Proterozoic (3o). See Table 1 for data.



a)



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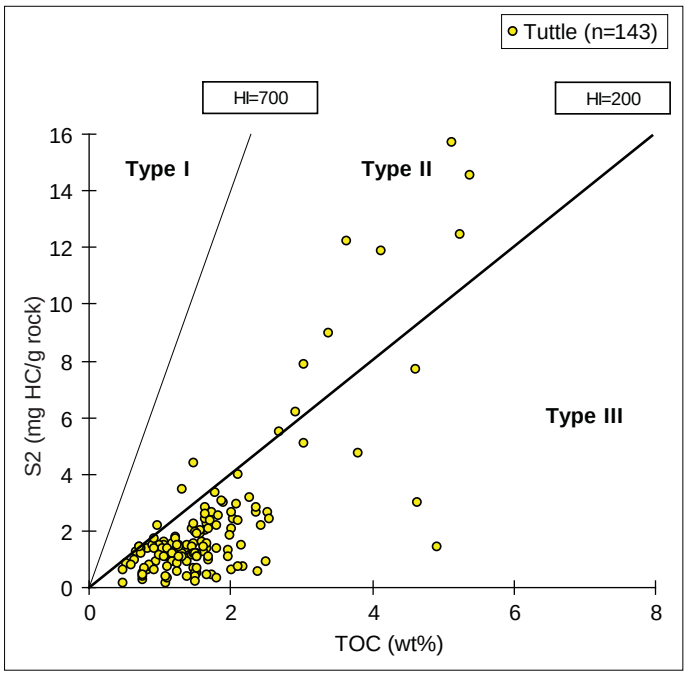

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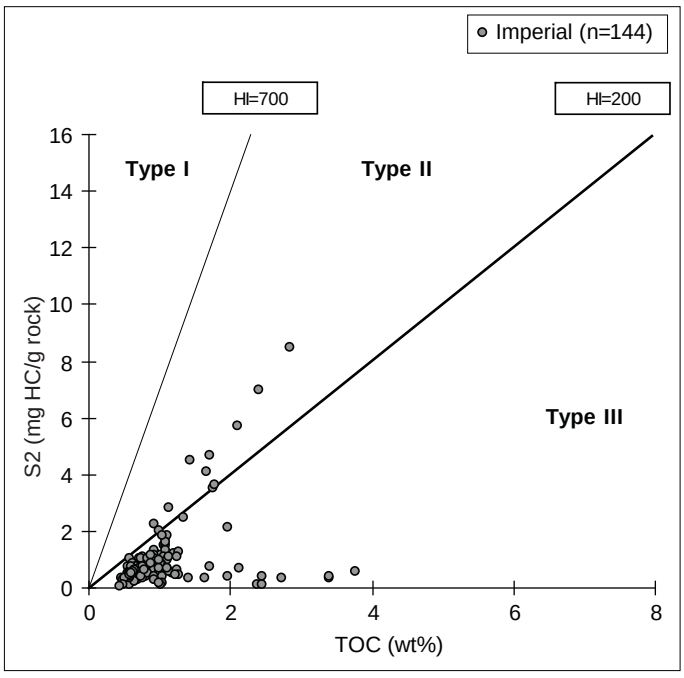
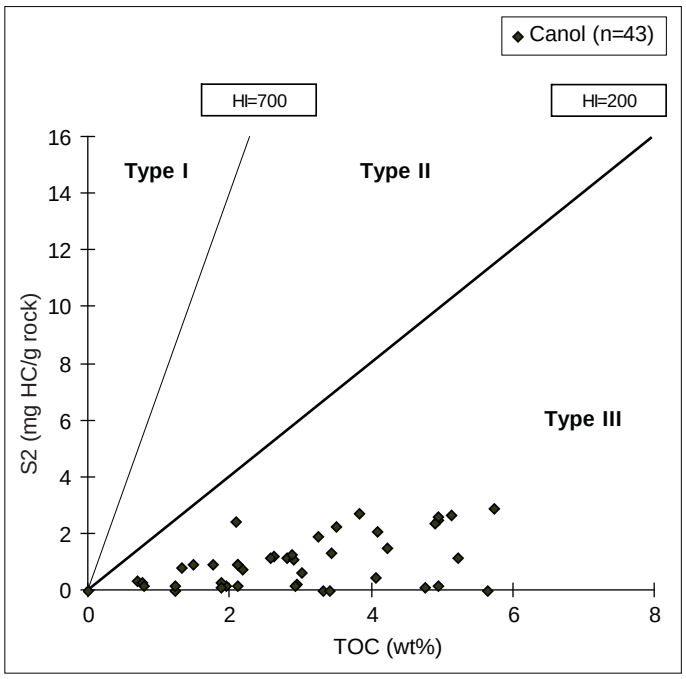
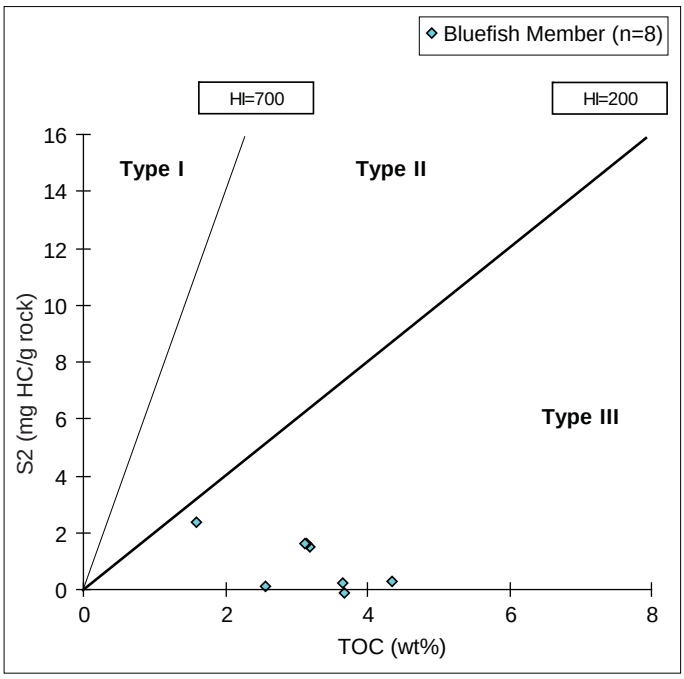


d)

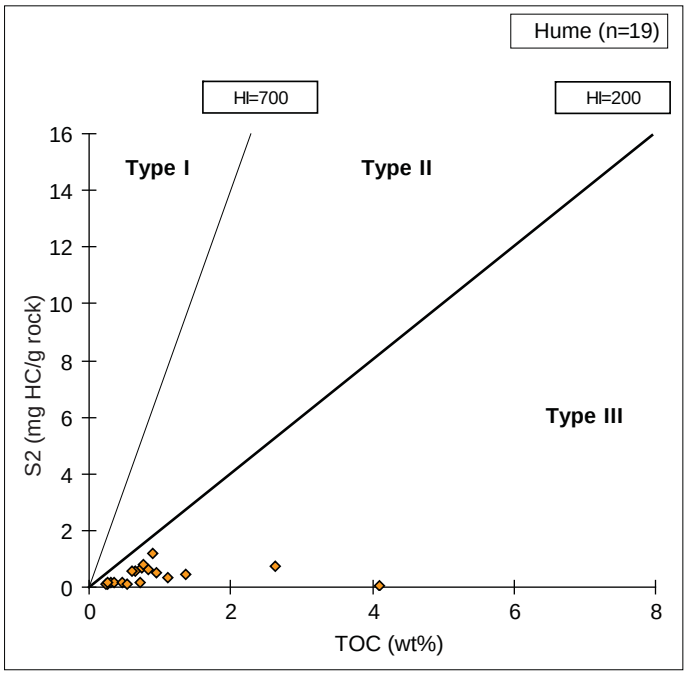
Figure 4. TOC versus Rock-Eval pyrolysis S2 plots for the Arctic Red (4a), Martin House (4b), Tuttle (4c) and Imperial (4d) formations. See Table 1 for data.



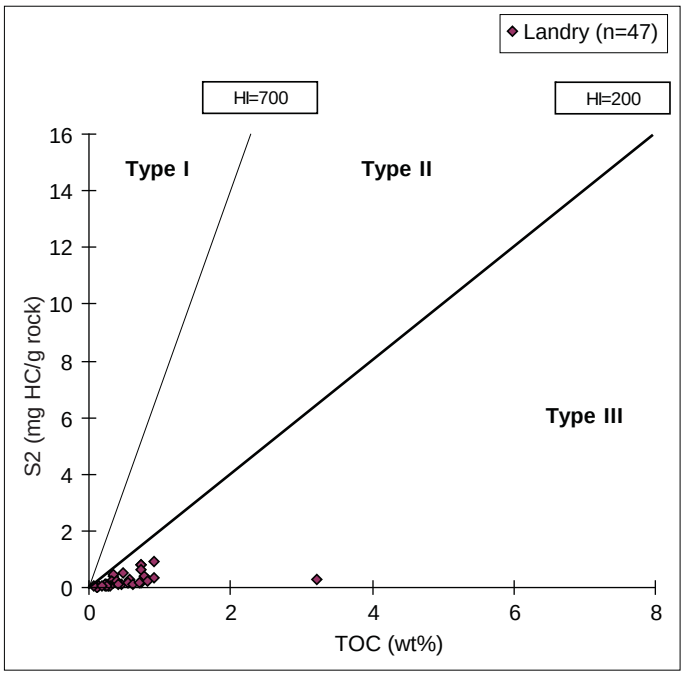
e)



f)

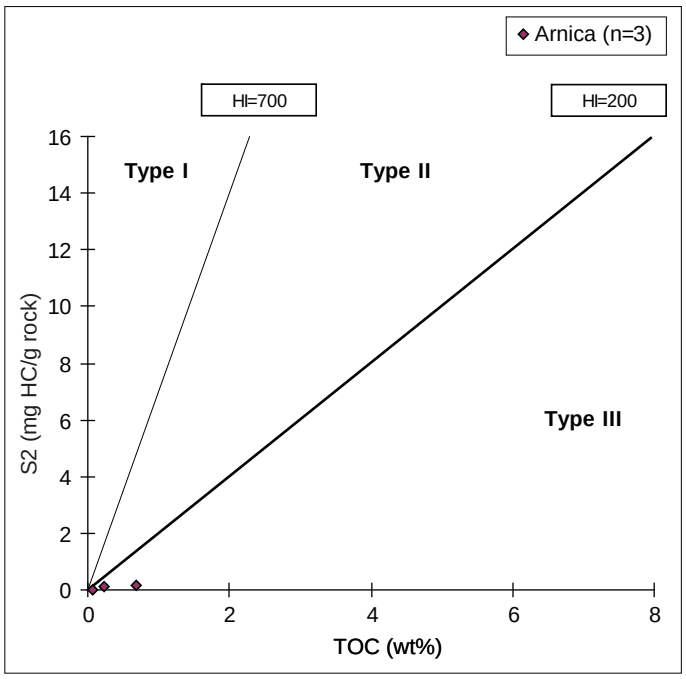


g)

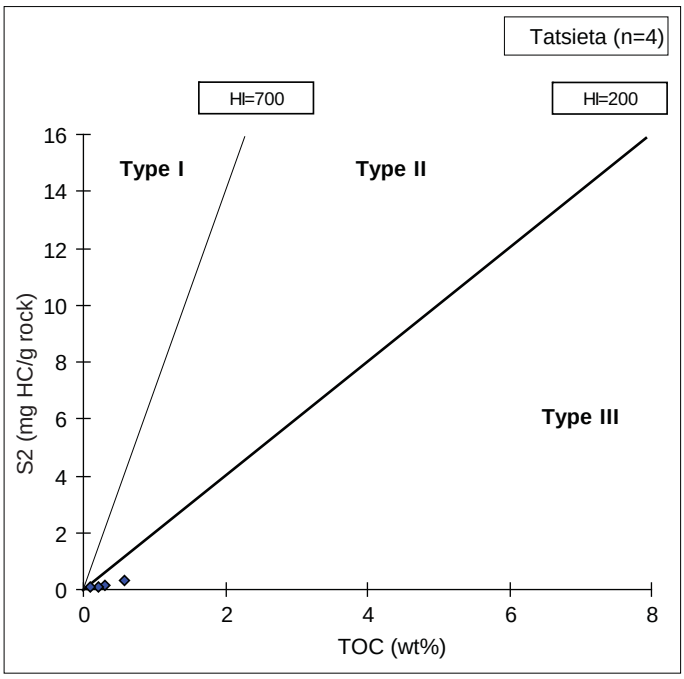


h)

Figure 4. TOC versus Rock-Eval pyrolysis S2 plots for the Canol (4e), Bluefish (4f), Hume (4g) and Landry (4h) formations. See Table 1 for data.



i)



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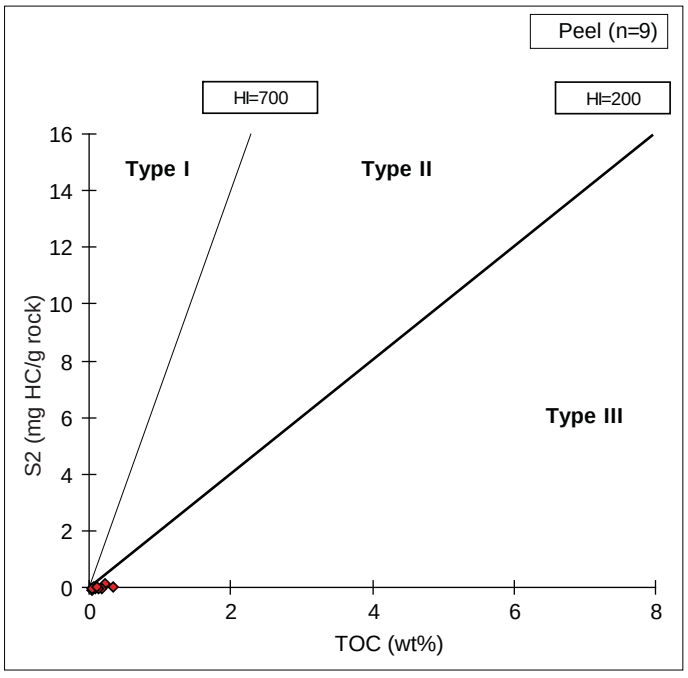

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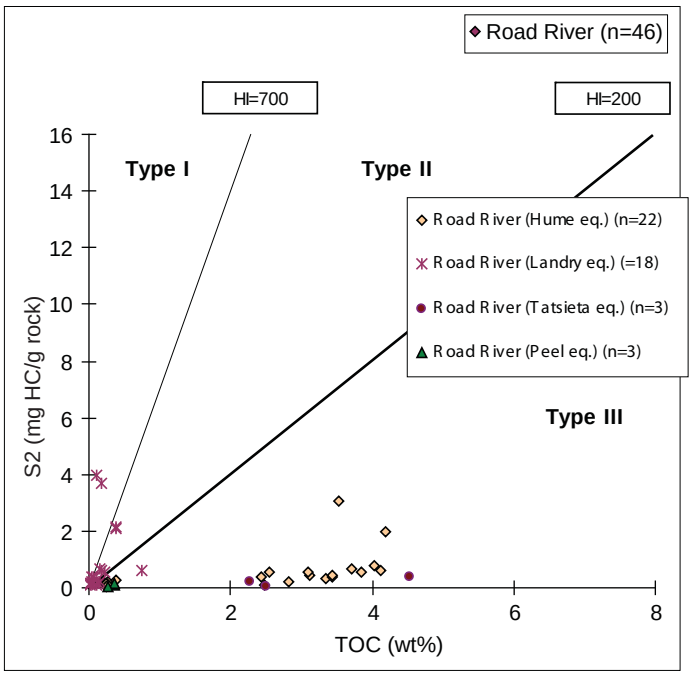
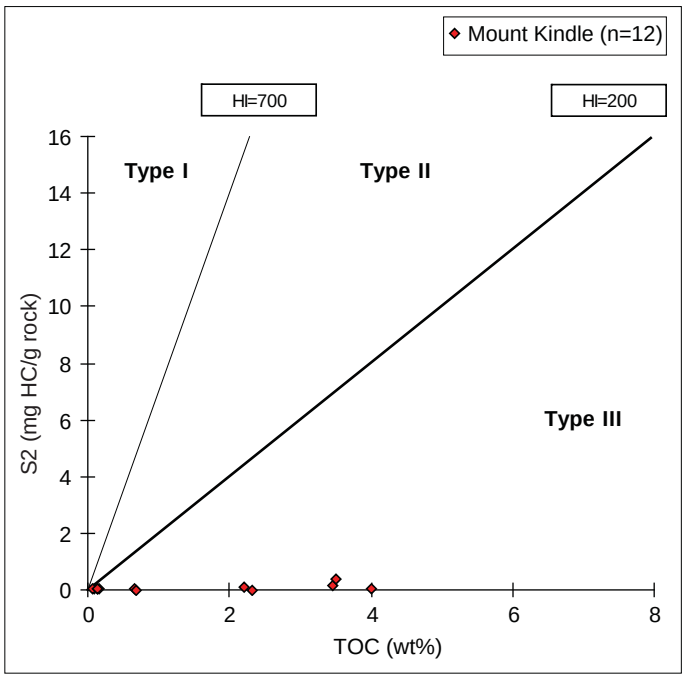
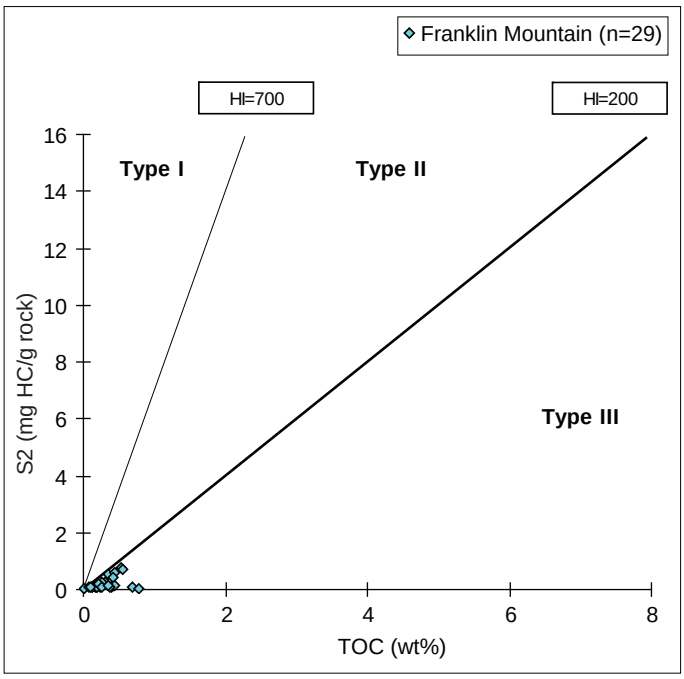


l)

Figure 4. TOC versus Rock-Eval pyrolysis S2 plots for the Arnica (4i), Tatsieta (4j), Peel (4k) and Road River (4l) formations. See Table 1 for data.



m)



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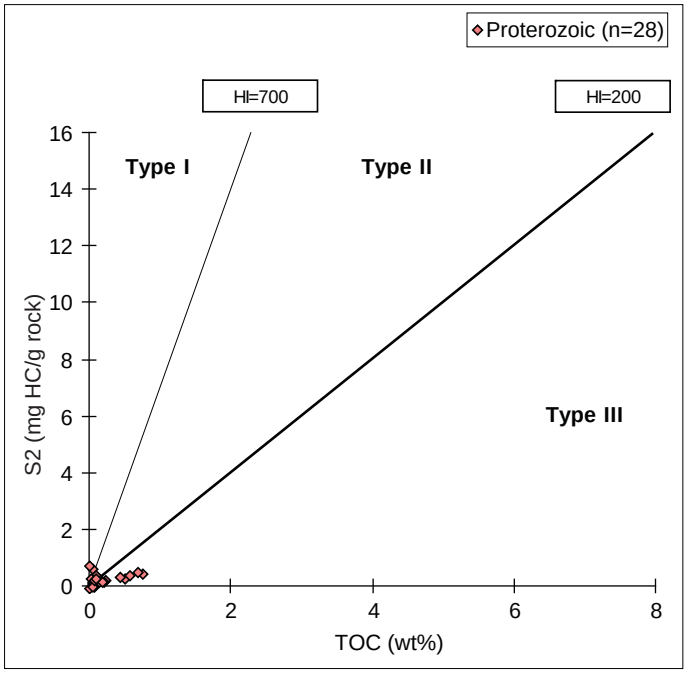

o)

Figure 4. TOC versus Rock-Eval pyrolysis S2 plots plots for Mount Kindle (4m), Franklin Mountain (4n) and Proterozoic (4o). See Table 1 for data.

Table 1. Summary of previously determined and new Rock-Eval /TOC results for all 18 wells sampled in the Peel region of the Yukon. Sample formation is based on formation tops identified in Fraser and Hogue, 2007. Parameters are described in the Laboratory Methods Section. Those results that have TOC < 0.3% and S2 < 0.2 are identified with either yellow highlighting (low TOC) or a red font (low S2 parameter), respectively, or both.

Unique Well Identifier (UWI)	Well Name	UTM Easting (NAD 83)	UTM Northing (NAD 83)	Sample Depth From (F)	Sample Depth To (F)	Equipment Type	Qty (g)	S1 (mg/g rock)	S2 (mg/g rock)	Production Index (S1/ (S1+S2))	S3 (mg CO2/g rock)	Tmax (ºC)	TOC (wt. %)	PC (wt. %)	RC (%)	Hydrogen Index (mg HC/ g TOC)	Oxygen Index CO	Oxygen Index (mg CO2/ g TOC)	Formation	GSC OFR 1944 Formation	NTS	Reference	Completed	Sample Type	Yukon WID
								Cranswick YT A-42																	
300A426550133000	Cranswick Y.T. A-42	585010	7286314	250	280	RE 6	70.5	0.44	2.35	0.16	0.38	438	1.56	0.26	1.30	151	18	24	Arctic Red		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	570	600	RE 6	71.0	0.30	1.32	0.18	0.49	440	1.25	0.17	1.08	106	21	39	Arctic Red		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	880	910	RE 6	71.1	0.21	1.15	0.15	0.63	442	1.23	0.19	1.04	93	102	51	Arctic Red		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	1190	1220	RE 6	70.6	0.24	1.13	0.18	0.49	444	1.23	0.17	1.06	92	59	40	Arctic Red		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	1500	1530	RE 6	70.7	0.43	1.62	0.21	0.63	451	1.55	0.23	1.32	105	55	41	Arctic Red		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	1810	1840	RE 6	70.9	0.47	1.95	0.19	0.38	454	1.63	0.24	1.39	120	34	23	Arctic Red		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	2120	2150	RE 6	70.7	0.52	1.79	0.23	0.43	453	1.55	0.26	1.29	115	52	28	Arctic Red		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	2520	2550	RE 6	70.5	0.60	2.37	0.20	0.49	456	1.94	0.27	1.67	122	1	25	Arctic Red		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	2830	2860	RE 6	70.8	0.57	1.79	0.24	0.44	457	1.62	0.24	1.38	110	28	27	Arctic Red		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	3140	3170	RE 6	70.5	0.40	1.25	0.25	0.37	465	1.48	0.17	1.31	84	23	25	Arctic Red		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	3450	3480	RE 6	70.3	0.27	0.77	0.26	0.34	470	1.36	0.11	1.25	57	9	25	Arctic Red		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	3760	3790	RE 6	70.5	0.24	0.86	0.22	0.49	485	1.96	0.14	1.82	44	32	25	Tuttle		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	4070	4100	RE 6	70.4	0.13	0.55	0.19	0.56	499	1.53	0.15	1.38	36	103	37	Tuttle		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	4380	4410	RE 6	70.3	0.17	0.54	0.24	0.65	481	1.52	0.12	1.40	36	66	43	Tuttle		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	4690	4720	RE 6	70.2	0.17	0.42	0.29	0.59	472	1.51	0.11	1.40	28	66	39	Tuttle		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	5000	5030	RE 6	70.4	0.15	0.45	0.25	0.67	514	1.76	0.14	1.62	26	91	38	Tuttle		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	5310	5340	RE 6	70.7	0.20	0.40	0.33	0.40	345	1.40	0.07	1.33	29	16	29	Tuttle		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	5620	5650	RE 6	70.2	0.12	0.33	0.27	0.35	576	1.82	0.06	1.76	18	20	19	Tuttle		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	5930	5960	RE 6	70.6	0.10	0.22	0.32	0.45	593	1.52	0.06	1.46	14	36	30	Tuttle		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	6240	6270	RE 6	71.0	0.15	0.35	0.30	0.33	328	1.64	0.06	1.58	21	13	20	Imperial		106F/11	This report	Jul-07	cuttings	859
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**6620**	**6650**	**RE 6**	**70.6**	**0.12**	**0.10**	**0.54**	**0.32**	**300**	**2.39**	**0.04**	**2.35**	**4**	**4**	**13**	Imperial		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**6930**	**6960**	**RE 6**	**70.4**	**0.19**	**0.18**	**0.51**	**0.30**	**323**	**1.95**	**0.04**	**1.91**	**9**	**1**	**15**	Canol		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**6950**		**RE 2**		**0.16**	**0**		**0.06**	**0**	**1.22**			**0**		**4**	Canol	Canol	**106F/11**	**Feinstein et al., 1988**		**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**7000**		**RE 2**		**0.15**	**0**		**0.15**	**0**	**5.63**			**0**		**2**	Canol	Canol	**106F/11**	**Feinstein et al., 1988**		**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**7040**	**7070**	**RE 6**	**50.7**	**0.24**	**0.18**	**0.57**	**0.56**	**294**	**4.94**	**0.08**	**4.86**	**4**	**10**	**11**	Canol		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**7050**		**RE 2**		**0.16**	**0**		**0**	**0**	**3.32**			**0**		**0**	Canol	Canol	**106F/11**	**Feinstein et al., 1988**		**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**7080**		**RE 2**		**0.13**	**0**		**0**	**0**	**3.41**			**0**		**0**	Canol	Canol	**106F/11**	**Feinstein et al., 1988**		**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**7350**	**7380**	**RE 6**	**70.3**	**0.10**	**0.11**	**0.47**	**0.31**	**350**	**0.46**	**0.03**	**0.43**	**24**	**2**	**67**	Hume		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**7660**	**7690**	**RE 6**	**70.2**	**0.09**	**0.08**	**0.51**	**0.35**	**343**	**0.53**	**0.03**	**0.50**	**15**	**30**	**66**	Hume		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	Cranswick Y.T. A-42	585010	7286314	7940	7970	RE 6	70.6	0.35	0.41	0.46	0.44	356	1.35	0.08	1.27	30	4	33	Hume		106F/11	This report	Jul-07	cuttings	859
300A426550133000	Cranswick Y.T. A-42	585010	7286314	8180	8210	RE 6	70.1	0.27	0.30	0.47	0.39	358	1.10	0.08	1.02	27	28	35	Hume		106F/11	This report	Jul-07	cuttings	859
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**8490**	**8520**	**RE 6**	**70.7**	**0.06**	**0.07**	**0.45**	**0.29**	**421**	**0.23**	**0.02**	**0.21**	**30**	**30**	**126**	Hume		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**8800**	**8830**	**RE 6**	**70.8**	**0.15**	**0.17**	**0.47**	**0.33**	**422**	**0.56**	**0.04**	**0.52**	**30**	**14**	**59**	Hume		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**9110**	**9140**	**RE 6**	**70.7**	**0.17**	**0.16**	**0.51**	**0.30**	**424**	**0.73**	**0.05**	**0.68**	**22**	**10**	**41**	Hume		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**9420**	**9450**	**RE 6**	**71.2**	**0.05**	**0.07**	**0.45**	**0.32**	**420**	**0.30**	**0.03**	**0.27**	**23**	**87**	**107**	Hume		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**9750**	**9780**	**RE 6**	**70.4**	**0.01**	**0.04**	**0.22**	**0.21**	**431**	**0.07**	**0.01**	**0.06**	**57**	**0**	**300**	Hume		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**10110**	**10140**	**RE 6**	**70.6**	**0.07**	**0.11**	**0.41**	**0.22**	**339**	**0.30**	**0.03**	**0.27**	**37**	**53**	**73**	Tatsieta		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**10430**	**10460**	**RE 6**	**71.1**	**0.01**	**0.04**	**0.21**	**0.22**	**445**	**0.07**	**0.01**	**0.06**	**57**	**0**	**314**	Peel		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**10750**	**10780**	**RE 6**	**70.4**	**0.02**	**0.04**	**0.37**	**0.23**	**424**	**0.17**	**0.02**	**0.15**	**24**	**129**	**135**	Peel		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**11070**	**11100**	**RE 6**	**70.5**	**0.01**	**0.05**	**0.20**	**0.19**	**420**	**0.06**	**0.01**	**0.05**	**83**	**17**	**317**	Mount Kindle		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**11390**	**11420**	**RE 6**	**71.2**	**0.02**	**0.05**	**0.27**	**0.25**	**423**	**0.13**	**0.02**	**0.11**	**38**	**115**	**192**	Mount Kindle		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**11780**	**11810**	**RE 6**	**70.9**	**0.02**	**0.05**	**0.28**	**0.26**	**427**	**0.12**	**0.01**	**0.11**	**42**	**25**	**217**	Franklin Mountain		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	Cranswick Y.T. A-42	585010	7286314	12150	12180	RE 6	70.9	0.11	0.23	0.32	0.38	330	0.30	0.05	0.25	77	57	127	Franklin Mountain		106F/11	This report	Jul-07	cuttings	859
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**12440**	**12470**	**RE 6**	**70.1**	**0.02**	**0.07**	**0.26**	**0.22**	**417**	**0.16**	**0.01**	**0.15**	**44**	**0**	**138**	Franklin Mountain		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	Cranswick Y.T. A-42	585010	7286314	12770	12800	RE 6	70.7	0.09	0.49	0.15	0.77	325	0.33	0.08	0.25	148	39	233	Franklin Mountain		106F/11	This report	Jul-07	cuttings	859
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**13150**	**13180**	**RE 6**	**71.1**	**0.01**	**0.05**	**0.17**	**0.24**	**419**	**0.17**	**0.02**	**0.15**	**29**	**41**	**141**	Franklin Mountain		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**13400**	**13430**	**RE 6**	**70.5**	**0.01**	**0.04**	**0.17**	**0.30**	**418**	**0.22**	**0.02**	**0.20**	**18**	**41**	**136**	Franklin Mountain		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**13710**	**13740**	**RE 6**	**70.0**	**0.02**	**0.05**	**0.30**	**0.20**	**419**	**0.12**	**0.01**	**0.11**	**42**	**8**	**167**	Franklin Mountain		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
300A426550133000	**Cranswick Y.T. A-42**	**585010**	**7286314**	**13970**	**14000**	**RE 6**	**70.3**	**0.02**	**0.06**	**0.27**	**0.26**	**415**	**0.17**	**0.02**	**0.15**	**35**	**59**	**153**	Franklin Mountain		**106F/11**	**This report**	**Jul-07**	**cuttings**	**859**
								Arctic Red C-60																	
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	100		RE 2		0.32	0.91		0.64	433	1.27			71		50	Arctic Red	Arctic Red	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	120	150	RE 6	70.4	0.12	0.81	0.13	0.60	434	1.25	0.12	1.13	65	27	48	Arctic Red		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	230		RE 2		0.04	0.73		0.49	439	1.1			66		44	Arctic Red	Arctic Red	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	430	470	RE 6	70.8	0.12	0.20	0.38	0.93	437	1.58	0.08	1.50	13	11	59	Martin House		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	580		RE 2		0.61	11.94		0.65	431	4.16			287		15	Martin House	Arctic Red	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	720	750	RE 6	70.2	0.61	8.52	0.07	0.51	429	2.87	0.81	2.06	297	16	18	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	880		RE 2		0.09	0.89		0.26	430	0.99			89		26	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	1030	1060	RE 6	70.4	0.20	1.36	0.13	0.30	429	1.10	0.15	0.95	124	6	27	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	1120		RE 2		0.12	1.08		0.32	432	1.07			100		29	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	1340	1370	RE 6	70.1	0.30	2.85	0.09	0.34	430	1.14	0.29	0.85	250	22	30	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	1360		RE 2		0.23	2.26		0.28	437	0.92			245		30	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	1650	1680	RE 6	70.7	0.19	1.13	0.15	0.36	432	0.90	0.15	0.75	126	47	40	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	1790		RE 2		0.12	0.77		0.32	438	0.67			114		47	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	1960	1990	RE 6	70.6	0.13	0.59	0.18	0.34	434	0.57	0.09	0.48	104	67	60	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	2120		RE 2		0.24	1.36		0.66	439	0.92			147		71	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	2250	2280	RE 6	71.0	0.27	1.60	0.14	0.32	436	1.09	0.18	0.91	147	18	29	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	2450		RE 2		0.13	0.63		0.64	438	0.66			95		96	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	2570	2600	RE 6	70.3	0.18	0.84	0.17	0.23	436	0.84	0.10	0.74	100	15	27	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	2800		RE 2		0.15	0.45		0.2	439	0.6			75		33	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	2830	2860	RE 6	70.4	0.22	0.76	0.22	0.19	437	0.60	0.10	0.50	127	10	32	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	3140	3170	RE 6	70.4	0.17	0.55	0.24	0.25	440	0.61	0.08	0.53	90	33	41	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	3180		RE 2		0.19	0.49		0.38	442	0.64			76		59	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	3370		RE 2		0.18	0.51		0.4	447	0.56			91		71	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	3450	3480	RE 6	70.6	0.24	1.15	0.17	0.50	433	0.94	0.17	0.77	122	81	53	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	3500		RE 2		0.22	0.54		0.5	440	0.56			96		89	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	3760	3790	RE 6	71.0	0.23	0.81	0.22	0.32	441	0.90	0.10	0.80	90	11	36	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	3800		RE 2		0.78	1.28		0.36	449	1.29			99		27	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	4070	4100	RE 6	70.5	0.17	0.58	0.23	0.22	439	0.73	0.09	0.64	79	40	30	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	4130		RE 2		0.13	0.35		0.2	447	0.47			74		42	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	4380	4410	RE 6	70.7	0.19	0.69	0.22	0.32	437	0.73	0.10	0.63	95	51	44	Imperial		106K/13	This report	Jul-07	cuttings	918

Table 1. Summary of previously determined and new Rock-Eval /TOC results for all 18 wells sampled in the Peel region of the Yukon. Sample formation is based on formation tops identified in Fraser and Hogue, 2007. Parameters are described in the Laboratory Methods Section. Those results that have TOC < 0.3% and S2 < 0.2 are identified with either yellow highlighting (low TOC) or a red font (low S2 parameter), respectively, or both.

Unique Well Identifier (UWI)	Well Name	UTM Easting (NAD 83)	UTM Northing (NAD 83)	Sample Depth From (F)	Sample Depth To (F)	Equipment Type	Qty (g)	S1 (mg/g rock)	S2 (mg/g rock)	Production Index (S1/ (S1+S2))	S3 (mg CO2/g rock)	Tmax (ºC)	TOC (wt. %)	PC (wt. %)	RC (%)	Hydrogen Index (mg HC/ g TOC)	Oxygen Index CO	Oxygen Index (mg CO2/ g TOC)	Formation	GSC OFR 1944 Formation	NTS	Reference	Completed	Sample Type	Yukon WID
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	4420		RE 2		0.16	0.34		0.27	454	0.58			58		46	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	4740	4770	RE 6	70.5	0.19	0.51	0.27	0.24	452	0.69	0.07	0.62	74	3	35	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	4840		RE 2		0.46	0.97		0.27	457	1.12			86		24	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	5050	5080	RE 6	70.8	0.15	0.46	0.25	0.25	468	0.82	0.06	0.76	56	10	30	Imperial		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	5130		RE 2		0.25	0.44		0.27	477	0.85			51		31	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	5300		RE 2		0.32	0.41		0.3	472	0.82			50		36	Imperial	Imperial	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	5350		RE 2		1	0.72		0.35	462	2.15			33		16	Canol	Canol	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	5390	5420	RE 6	70.5	0.99	1.31	0.43	0.24	457	3.44	0.21	3.23	38	7	7	Canol		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	5400		RE 2		1.21	1.07		0.21	467	2.89			37		7	Canol	Canol	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	5450		RE 2		1.12	1.29		0.19	463	2.87			44		6	Canol	Canol	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	5480		RE 2		2.1	2.89		0.43	477	5.73			50		7	Canol	Canol	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	5570		RE 2		0.07	0.1		0.21	427	0.3			33		70	Hume	Hume	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	5700	5730	RE 6	70.5	0.14	0.46	0.24	0.48	450	0.95	0.08	0.87	48	16	51	Landry		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	5810		RE 2		0.04	0.06		0.16	356	0.23			26		69	Hume	Hume	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	6000	6030	RE 6	70.2	0.09	0.18	0.34	0.35	438	0.35	0.03	0.32	51	3	100	Landry		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	6110		RE 2		0.18	0.27		0.19	464	3.22			8		5	Landry	Landry	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	6380	6410	RE 6	70.1	0.08	0.27	0.23	0.28	448	0.58	0.04	0.54	47	7	48	Landry		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	6500		RE 2		0	0		1.72	0	0.12			0		1433	Landry	Landry	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	6760	6790	RE 6	70.7	0.21	0.93	0.18	0.48	437	0.92	0.13	0.79	101	32	52	Landry		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	7060	7090	RE 6	70.9	0.05	0.10	0.32	0.27	587	0.45	0.03	0.42	22	24	60	Landry		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	7440	7470	RE 6	70.9	0.08	0.18	0.32	0.27	436	0.24	0.03	0.21	75	0	113	Arnica		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	7590		RE 2		0.12	0.29		0.4	444	0.57			50		70	Tatsieta	Peel	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	8280	8310	RE 6	70.4	0.02	0.03	0.36	0.30	414	0.11	0.01	0.10	27	27	273	Peel		106K/13	This report	Jul-07	cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	8390		RE 2		0.02	0		0.16	0	0.07			0		229	Peel	Peel	106K/13	Feinstein et al., 1988		cuttings	918
300C606650133450	Arctic Red Y.T. C-60	547342	7410967	8530		RE 2		0.07	0.08		0.2	443	0.21			38		95	Peel	Peel	106K/13	Feinstein et al., 1988		cuttings	918
								Peel F-37																	
300F376700134450	Peel Y.T. F-37	505828	7424583	360	390	RE 6	70.6	0.22	0.92	0.19	0.56	428	1.40	0.13	1.27	66	12	40	Tuttle		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	670	700	RE 6	70.5	0.06	0.19	0.25	0.39	426	0.50	0.05	0.45	38	78	78	Tuttle		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	1150	1180	RE 6	70.5	0.24	0.62	0.28	0.25	422	0.48	0.10	0.38	129	100	52	Tuttle		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	1450	1480	RE 6	70.0	0.22	0.84	0.21	0.28	424	0.61	0.12	0.49	138	69	46	Tuttle		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	1750	1780	RE 6	71.0	0.13	0.50	0.20	0.41	431	0.78	0.09	0.69	64	58	53	Tuttle		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	2220	2250	RE 6	70.8	0.13	1.50	0.08	0.53	430	1.27	0.19	1.08	118	54	42	Tuttle		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	2530	2580	RE 6	70.5	0.29	1.47	0.16	0.18	432	0.73	0.17	0.56	201	27	25	Tuttle		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	2950	2980	RE 6	70.5	0.30	1.54	0.16	0.23	432	0.92	0.18	0.74	167	30	25	Tuttle		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	3310	3340	RE 6	69.9	0.20	1.05	0.16	0.37	431	0.93	0.15	0.78	113	66	40	Imperial		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	3620	3650	RE 6	70.4	0.22	1.04	0.17	0.24	435	0.71	0.14	0.57	146	73	34	Imperial		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	3930	3960	RE 6	70.4	0.26	1.04	0.20	0.20	433	0.75	0.12	0.63	139	5	27	Imperial		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	4210	4240	RE 6	70.0	0.15	0.46	0.25	0.29	437	0.75	0.07	0.68	61	37	39	Imperial		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	4470	4500	RE 6	70.1	0.20	1.09	0.16	0.40	435	1.15	0.14	1.01	95	36	35	Imperial		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	4770	4800	RE 6	70.3	0.21	0.76	0.22	0.20	446	0.76	0.09	0.67	100	11	26	Imperial						903
300F376700134450	Peel Y.T. F-37	505828	7424583	5110	5140	RE 6	70.9	0.09	0.30	0.23	0.18	444	0.48	0.04	0.44	62	19	38	Imperial		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	5460	5490	RE 6	70.4	0.42	1.04	0.29	0.22	439	0.84	0.14	0.70	124	23	26	Imperial		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	5780	5810	RE 6	70.1	0.16	0.58	0.22	0.22	437	0.69	0.08	0.61	84	16	32	Imperial		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	6090	6120	RE 6	70.6	0.17	0.56	0.23	0.19	443	0.79	0.07	0.72	71	14	24	Imperial		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	6420	6450	RE 6	70.8	0.24	0.66	0.27	0.22	458	0.94	0.09	0.85	70	18	23	Imperial		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	6690	6720	RE 6	70.2	0.12	0.43	0.22	0.21	463	0.94	0.06	0.88	46	12	22	Imperial		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	7170	7200	RE 6	70.6	0.13	0.49	0.21	0.20	449	0.78	0.06	0.72	63	15	26	Imperial		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	7470	7500	RE 6	50.3	0.46	1.17	0.28	0.36	479	5.22	0.17	5.05	22	8	7	Canol		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	7780	7810	RE 6	71.0	0.06	0.13	0.32	0.27	425	0.34	0.03	0.31	38	18	79	Hume		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	8080	8110	RE 6	70.8	0.08	0.22	0.25	0.27	443	0.33	0.04	0.29	67	48	82	Landry		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	8570	8600	RE 6	70.5	0.12	0.41	0.23	0.36	466	0.78	0.07	0.71	53	29	46	Landry		106L/15	This report	Jul-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	8860	8900	RE 6	70.6	0.09	0.26	0.26	0.20	450	0.53	0.04	0.49	49	38	9	Landry		106L/15	This report	Oct-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	9600	9640	RE 6	70.8	0.08	0.24	0.26	0.73	472	0.70	0.16	0.54	34	104	367	Arnica		106L/15	This report	Oct-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	9880	9920	RE 6	70.1	0.01	0.02	0.32	0.36	428	0.14	0.02	0.12	14	257	79	Peel		106L/15	This report	Oct-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	10180	10220	RE 6	70.3	0.03	0.05	0.36	0.34	424	0.12	0.02	0.10	42	283	0	Peel		106L/15	This report	Oct-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	10480	10520	RE 6	70.5	0.05	0.10	0.33	0.31	432	0.25	0.02	0.23	40	124	4	Peel		106L/15	This report	Oct-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	10780	10820	RE 6	70.6	0.03	0.04	0.43	0.38	421	0.14	0.02	0.12	29	271	14	Peel		106L/15	This report	Oct-07	cuttings	903
300F376700134450	Peel Y.T. F-37	505828	7424583	11020	11050	RE 6	70.6	0.02	0.02	0.44	0.33	500	0.19	0.02	0.17	11	174	26	Mount Kindle		106L/15	This report	Oct-07	cuttings	903
								Satah River G-72																	
300G726700134000	Satah River Y.T. G-72	533506	7415549	130	160	RE 6	70.7	0.30	0.90	0.25	0.68	428	1.28	0.15	1.13	70	50	53	Martin House		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	450	480	RE 6	70.4	0.17	1.40	0.11	0.84	430	1.88	0.19	1.69	74	31	45	Martin House		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	610	640	RE 6	70.5	0.24	2.06	0.10	0.77	423	1.59	0.25	1.34	130	36	48	Tuttle		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	970	1000	RE 6	70.7	0.39	4.09	0.09	0.50	423	1.67	0.42	1.25	245	22	30	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	1280	1310	RE 6	70.6	0.23	1.74	0.12	0.39	425	1.10	0.19	0.91	158	14	35	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	1590	1620	RE 6	70.1	0.16	1.51	0.10	0.54	430	1.06	0.18	0.88	142	48	51	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	1860	1890	RE 6	70.8	0.21	1.87	0.10	0.73	431	1.11	0.24	0.87	168	63	66	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	2170	2200	RE 6	70.3	0.15	1.22	0.11	0.55	434	0.95	0.16	0.79	128	37	58	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	2470	2500	RE 6	70.6	0.17	1.50	0.10	0.60	429	1.10	0.19	0.91	136	55	55	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	2780	2810	RE 6	70.2	0.15	1.03	0.12	0.58	430	0.90	0.15	0.75	114	71	64	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	3090	3120	RE 6	70.2	0.19	1.16	0.14	0.54	432	1.02	0.15	0.87	114	29	53	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	3270	3300	RE 6	70.2	0.10	0.51	0.16	0.63	430	0.65	0.10	0.55	78	108	97	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	3610	3640	RE 6	70.8	0.20	0.64	0.24	0.50	432	0.67	0.12	0.55	96	103	75	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	3890	3920	RE 6	70.2	0.13	0.52	0.20	0.45	437	0.65	0.09	0.56	80	57	69	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	4200	4230	RE 6	70.7	0.21	1.08	0.16	0.41	434	0.77	0.14	0.63	140	48	53	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	4510	4540	RE 6	70.7	0.16	0.68	0.19	0.36	444	0.61	0.09	0.52	111	43	59	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	4820	4850	RE 6	70.2	0.23	1.00	0.19	0.39	433	0.78	0.15	0.63	128	90	50	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	5130	5160	RE 6	70.0	0.17	0.47	0.27	0.49	445	0.61	0.08	0.53	77	59	80	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	5440	5470	RE 6	70.7	0.33	0.89	0.27	0.34	439	0.78	0.14	0.64	114	72	44	Imperial		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	5760	5790	RE 6	70.3	0.22	0.76	0.22	0.39	437	0.91	0.11	0.80	84	37	43	Imperial		106L/16	This report	Jul-07	cuttings	886

Table 1. Summary of previously determined and new Rock-Eval /TOC results for all 18 wells sampled in the Peel region of the Yukon. Sample formation is based on formation tops identified in Fraser and Hogue, 2007. Parameters are described in the Laboratory Methods Section. Those results that have TOC < 0.3% and S2 < 0.2 are identified with either yellow highlighting (low TOC) or a red font (low S2 parameter), respectively, or both.

Unique Well Identifier (UWI)	Well Name	UTM Easting (NAD 83)	UTM Northing (NAD 83)	Sample Depth From (F)	Sample Depth To (F)	Equipment Type	Qty (g)	S1 (mg/g rock)	S2 (mg/g rock)	Production Index (S1/ (S1+S2))	S3 (mg CO2/g rock)	Tmax (ºC)	TOC (wt. %)	PC (wt. %)	RC (%)	Hydrogen Index (mg HC/ g TOC)	Oxygen Index CO	Oxygen Index (mg CO2/ g TOC)	Formation	GSC OFR 1944 Formation	NTS	Reference	Completed	Sample Type	Yukon WID
300G726700134000	Satah River Y.T. G-72	533506	7415549	5940	5970	RE 6	71.0	0.60	0.94	0.39	0.35	447	1.77	0.16	1.61	53	23	20	Canol		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	5950		RE 2		0.33	0.32		0.18	468	0.7			45		25	Canol	Imperial	106L/16	Feinstein et al., 1988		cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	6010		RE 2		0	1.15		0.2	459	2.57			44		7	Canol	Canol	106L/16	Feinstein et al., 1988		cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	6060		RE 2		0.62	0.78		0.41	452	1.33			58		30	Canol	Canol	106L/16	Feinstein et al., 1988		cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	6100	6130	RE 6	70.2	0.80	1.88	0.30	0.45	442	3.25	0.26	2.99	58	11	14	Canol		106L/16	This report	Jul-07	cuttings	886
300G726700134000	Satah River Y.T. G-72	533506	7415549	6110		RE 2		2.22	2.09		0.13	464	4.07			51		3	Canol	Canol	106L/16	Feinstein et al., 1988		cuttings	886
300G726700134000	**Satah River Y.T. G-72**	**533506**	**7415549**	**6150**		**RE 2**		**0**	**0**		**0.22**	**0**	**4.11**			**0**		**5**	Hume	Canol	**106L/16**	**Feinstein et al., 1988**		**cuttings**	**886**
300G726700134000	Satah River Y.T. G-72	533506	7415549	6420	6450	RE 6	70.5	0.16	0.49	0.25	0.41	438	0.61	0.07	0.54	80	5	67	Hume		106L/16	This report	Jul-07	cuttings	886
300G726700134000	**Satah River Y.T. G-72**	**533506**	**7415549**	**6740**	**6770**	**RE 6**	**70.5**	**0.04**	**0.14**	**0.20**	**0.33**	**440**	**0.23**	**0.03**	**0.20**	**61**	**52**	**143**	Landry		**106L/16**	**This report**	**Jul-07**	**cuttings**	**886**
300G726700134000	**Satah River Y.T. G-72**	**533506**	**7415549**	**7050**	**7080**	**RE 6**	**70.4**	**0.03**	**0.16**	**0.17**	**0.30**	**436**	**0.41**	**0.03**	**0.38**	**39**	**29**	**73**	Landry		**106L/16**	**This report**	**Jul-07**	**cuttings**	**886**
300G726700134000	Satah River Y.T. G-72	533506	7415549	7370	7400	RE 6	70.6	0.06	0.46	0.12	0.34	427	0.35	0.07	0.28	131	34	97	Arnica		106L/16	This report	Jul-07	cuttings	886
								Trail River H-37																	
300H376640134450	Trail River Y.T. H-37	506690	7387303	380	390	RE 6	70.9	0.10	1.45	0.07	1.25	429	1.65	0.21	1.44	88	44	76	Arctic Red		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	710	720	RE 6	70.8	0.19	2.15	0.08	0.65	425	1.44	0.23	1.21	149	19	45	Arctic Red		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	1010	1030	RE 6	70.6	0.09	0.80	0.11	0.75	429	1.07	0.13	0.94	75	50	70	Arctic Red		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	1280	1300	RE 6	70.0	0.14	0.54	0.21	0.96	427	1.16	0.11	1.05	47	43	83	Arctic Red		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	1580	1610	RE 6	70.9	0.22	1.52	0.13	0.67	434	1.19	0.18	1.01	128	19	56	Arctic Red		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	1920	1950	RE 6	70.2	0.11	1.18	0.09	0.97	432	1.70	0.16	1.54	69	13	57	Martin House		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	2210	2230	RE 6	70.9	0.16	1.44	0.10	3.23	430	1.46	0.27	1.19	99	65	221	Tuttle		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	2440	2460	RE 6	70.5	0.08	0.27	0.23	0.89	436	0.77	0.10	0.67	35	110	116	Tuttle		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	3030	3060	RE 6	70.7	0.07	1.08	0.06	0.80	435	1.07	0.14	0.93	101	35	75	Tuttle		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	3380	3410	RE 6	70.4	0.21	1.72	0.11	0.53	431	0.94	0.20	0.74	183	48	56	Tuttle		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	3500	3530	RE 6	70.7	0.34	2.63	0.12	1.14	434	1.66	0.30	1.36	158	20	69	Tuttle		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	3950	3980	RE 6	70.3	0.22	2.39	0.08	0.70	434	1.73	0.28	1.45	138	39	40	Tuttle		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	4280	4310	RE 6	70.9	0.23	2.21	0.10	0.47	438	1.81	0.25	1.56	122	23	26	Tuttle		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	4490	4520	RE 6	70.7	0.41	5.11	0.07	0.51	438	3.05	0.51	2.54	168	20	17	Tuttle		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	4920	4950	RE 6	70.6	0.22	0.91	0.20	0.40	441	1.19	0.13	1.06	76	31	34	Tuttle		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	5270	5300	RE 6	70.7	0.25	0.43	0.36	0.31	436	0.77	0.08	0.69	56	32	40	Tuttle		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	5580	5610	RE 6	70.6	0.19	0.67	0.22	0.25	443	0.79	0.10	0.69	85	34	32	Tuttle		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	6080	6110	RE 6	70.8	0.16	0.51	0.24	0.31	446	0.65	0.09	0.56	78	69	48	Imperial		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	6340	6370	RE 6	70.8	0.20	0.47	0.30	0.30	442	0.63	0.07	0.56	75	5	48	Imperial		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	6640	6670	RE 6	70.2	0.12	0.28	0.30	0.38	448	0.70	0.06	0.64	40	9	54	Imperial		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	6940	6970	RE 6	70.4	0.10	0.25	0.29	0.30	451	0.64	0.05	0.59	39	17	47	Imperial		106L/10	This report	Jul-07	cuttings	912
300H376640134450	**Trail River Y.T. H-37**	**506690**	**7387303**	**7180**	**7210**	**RE 6**	**70.1**	**0.07**	**0.13**	**0.33**	**0.34**	**449**	**0.59**	**0.04**	**0.55**	**22**	**29**	**58**	Imperial		**106L/10**	**This report**	**Jul-07**	**cuttings**	**912**
300H376640134450	Trail River Y.T. H-37	506690	7387303	7480	7510	RE 6	70.1	0.10	0.24	0.30	0.37	443	0.64	0.05	0.59	38	22	58	Imperial		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	7780	7810	RE 6	70.4	0.16	0.32	0.33	0.36	448	0.77	0.07	0.70	42	49	47	Imperial		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	8540	8570	RE 6	70.2	0.16	0.34	0.32	0.28	488	1.01	0.06	0.95	34	5	28	Imperial		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	8800	8820	RE 6	70.7	0.25	0.51	0.33	0.49	335	1.01	0.10	0.91	50	42	49	Imperial		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	8810	8140	RE 6	70.2	0.22	0.56	0.28	0.37	447	0.82	0.10	0.72	68	44	45	Imperial		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	8860	8870	RE 6	70.4	0.36	0.64	0.36	0.73	574	3.01	0.12	2.89	21	8	24	Canol		106L/10	This report	Jul-07	cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	8860		RE 2		0.3	0.31		0.35	454	0.76			40		46	Canol	Canol	106L/10	Feinstein et al., 1988		cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	8870		RE 2		0.69	0.74		0.19	520	2.18			33		8	Canol	Canol	106L/10	Feinstein et al., 1988		cuttings	912
300H376640134450	Trail River Y.T. H-37	506690	7387303	8880		RE 2		0.74	0.69		0.26	522	2.62			26		9	Hume	Canol	106L/10	Feinstein et al., 1988		cuttings	912
300H376640134450	**Trail River Y.T. H-37**	**506690**	**7387303**	**9490**	**9510**	**RE 6**	**70.9**	**0.06**	**0.10**	**0.38**	**0.29**	**412**	**0.25**	**0.03**	**0.22**	**40**	**28**	**116**	Landry		**106L/10**	**This report**	**Jul-07**	**cuttings**	**912**
300H376640134450	**Trail River Y.T. H-37**	**506690**	**7387303**	**9680**	**9710**	**RE 6**	**70.6**	**0.08**	**0.13**	**0.37**	**0.44**	**411**	**0.62**	**0.04**	**0.58**	**21**	**24**	**71**	Landry		**106L/10**	**This report**	**Jul-07**	**cuttings**	**912**
300H376640134450	Trail River Y.T. H-37	506690	7387303	10780	10810	RE 6	70.5	0.09	0.21	0.29	0.40	427	0.40	0.04	0.36	52	20	100	Landry		106L/10	This report	Jul-07	cuttings	912
300H376640134450	**Trail River Y.T. H-37**	**506690**	**7387303**	**11480**	**11510**	**RE 6**	**70.1**	**0.02**	**0.05**	**0.29**	**0.37**	**402**	**0.20**	**0.03**	**0.17**	**25**	**90**	**185**	Tatsieta		**106L/10**	**This report**	**Jul-07**	**cuttings**	**912**
300H376640134450	**Trail River Y.T. H-37**	**506690**	**7387303**	**11910**	**11940**	**RE 6**	**70.2**	**0.03**	**0.10**	**0.22**	**0.32**	**421**	**0.13**	**0.03**	**0.10**	**77**	**92**	**246**	Peel		**106L/10**	**This report**	**Jul-07**	**cuttings**	**912**
								Peel River H-59																	
300H596640134300	Peel R Y.T. H-59	514978	7391085	630	660	RE 6	70.9	0.16	1.24	0.11	0.66	432	1.25	0.16	1.09	99	36	53	Arctic Red		106L/10	This report	Jul-07	cuttings	909
300H596640134300	Peel R Y.T. H-59	514978	7391085	830	860	RE 6	70.8	0.14	1.10	0.11	0.80	431	1.21	0.15	1.06	91	20	66	Martin House		106L/10	This report	Jul-07	cuttings	909
300H596640134300	Peel R Y.T. H-59	514978	7391085	1140	1170	RE 6	71.0	0.14	1.23	0.10	0.85	425	1.20	0.17	1.03	102	62	71	Tuttle		106L/10	This report	Jul-07	cuttings	909
300H596640134300	Peel R Y.T. H-59	514978	7391085	1370	1400	RE 6	70.7	0.13	1.59	0.08	0.88	432	1.49	0.21	1.28	107	50	59	Tuttle		106L/10	This report	Jul-07	cuttings	909
300H596640134300	Peel R Y.T. H-59	514978	7391085	1660	1690	RE 6	70.3	0.22	2.08	0.09	0.75	430	1.70	0.25	1.45	122	42	44	Tuttle		106L/10	This report	Jul-07	cuttings	909
300H596640134300	Peel R Y.T. H-59	514978	7391085	1903		RE 6	70.2	0.87	4.01		0.38	429	2.12	0.46	1.66	189	27	18	Tuttle		106L/10	This report	Nov-06	core	909
300H596640134300	Peel R Y.T. H-59	514978	7391085	1928.5		RE 6	70.4	0.27	3.39		0.32	431	1.8	0.35	1.45	188	29	18	Tuttle		106L/10	This report	Nov-06	core	909
300H596640134300	Peel R Y.T. H-59	514978	7391085	2010	2040	RE 6	70.6	0.32	2.69	0.11	0.78	429	2.02	0.36	1.66	133	85	39	Tuttle		106L/10	This report	Jul-07	cuttings	909
300H596640134300	Peel R Y.T. H-59	514978	7391085	2390	2420	RE 6	70.7	0.33	2.55	0.11	0.69	432	1.85	0.33	1.52	138	76	37	Tuttle		106L/10	This report	Jul-07	cuttings	909
								Peel H-71																	
300H716630134300	Peel Y.T. H-71	512283	7357906	600	630	RE 6	70.7	0.16	0.94	0.14	1.24	438	2.52	0.19	2.33	37	40	49	Tuttle		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	890	930	RE 6	70.5	0.18	3.08	0.06	0.65	432	1.89	0.39	1.50	163	100	34	Tuttle		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	1040	1070	RE 6	70.6	0.17	1.91	0.08	0.55	430	1.53	0.23	1.30	125	42	36	Tuttle		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	1200	1220	RE 6	70.4	0.09	1.08	0.08	0.50	432	1.28	0.15	1.13	84	56	39	Tuttle		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	1470	1500	RE 6	70.7	0.17	1.39	0.11	0.25	433	0.93	0.18	0.75	149	91	27	Tuttle		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	1970	1990	RE 6	70.2	0.56	5.53	0.09	0.41	436	2.71	0.55	2.16	204	19	15	Tuttle		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	2440	2470	RE 6	70.2	1.38	12.51	0.10	0.44	440	5.28	1.19	4.09	237	5	8	Tuttle		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	2550	2580	RE 6	70.5	0.67	4.67	0.13	0.20	445	1.73	0.46	1.27	270	2	12	Imperial		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	2880	2910	RE 6	70.5	0.35	2.02	0.15	0.24	443	1.01	0.21	0.80	200	3	24	Imperial		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	3180	3210	RE 6	70.4	0.40	1.86	0.18	0.23	445	1.05	0.21	0.84	177	24	22	Imperial		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	3510	3540	RE 6	70.4	0.41	0.85	0.33	0.28	446	1.02	0.13	0.89	83	17	27	Imperial		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	3830	3860	RE 6	70.5	0.19	0.59	0.24	0.22	448	0.63	0.08	0.55	94	17	35	Imperial		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	4100	4130	RE 6	70.0	0.17	0.49	0.25	0.26	450	0.57	0.08	0.49	86	49	46	Imperial		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	4390	4420	RE 6	70.5	0.18	0.55	0.24	0.22	457	0.61	0.10	0.51	90	97	36	Imperial		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	4730	4750	RE 6	70.7	0.33	1.01	0.25	0.26	454	1.01	0.13	0.88	100	3	26	Imperial		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	5000	5030	RE 6	70.7	0.29	0.66	0.30	0.23	462	0.80	0.11	0.69	82	48	29	Imperial		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	5310	5340	RE 6	70.6	0.24	0.71	0.25	0.27	471	0.99	0.10	0.89	72	18	27	Imperial		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	5570	5600	RE 6	70.5	0.30	0.70	0.30	0.26	470	1.11	0.11	1.00	63	5	23	Imperial		106L/7	This report	Jul-07	cuttings	897

Table 1. Summary of previously determined and new Rock-Eval /TOC results for all 18 wells sampled in the Peel region of the Yukon. Sample formation is based on formation tops identified in Fraser and Hogue, 2007. Parameters are described in the Laboratory Methods Section. Those results that have TOC < 0.3% and S2 < 0.2 are identified with either yellow highlighting (low TOC) or a red font (low S2 parameter), respectively, or both.

Unique Well Identifier (UWI)	Well Name	UTM Easting (NAD 83)	UTM Northing (NAD 83)	Sample Depth From (F)	Sample Depth To (F)	Equipment Type	Qty (g)	S1 (mg/g rock)	S2 (mg/g rock)	Production Index (S1/ (S1+S2))	S3 (mg CO2/g rock)	Tmax (ºC)	TOC (wt. %)	PC (wt. %)	RC (%)	Hydrogen Index (mg HC/ g TOC)	Oxygen Index CO	Oxygen Index (mg CO2/ g TOC)	Formation	GSC OFR 1944 Formation	NTS	Reference	Completed	Sample Type	Yukon WID
300H716630134300	Peel Y.T. H-71	512283	7357906	5880	5910	RE 6	70.6	0.35	0.45	0.44	0.28	468	1.23	0.08	1.15	37	12	23	Imperial		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	5990	6010	RE 6	70.4	0.51	0.91	0.36	0.31	467	2.11	0.16	1.95	43	22	15	Canol		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	6100	6130	RE 6	70.5	1.09	1.52	0.42	0.35	470	4.23	0.24	3.99	36	3	8	Canol		106L/7	This report	Jul-07	cuttings	897
300H716630134300	Peel Y.T. H-71	512283	7357906	6390	6420	RE 6	70.5	0.13	0.21	0.38	0.25	340	0.24	0.04	0.20	88	46	104	Road River (Hume Eq.)		106L/7	This report	Jul-07	cuttings	897
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**6680**	**6710**	**RE 6**	**70.3**	**0.05**	**0.15**	**0.26**	**0.24**	**342**	**0.20**	**0.03**	**0.17**	**75**	**15**	**120**	Road River (Hume Eq.)		**106L/7**	**This report**	**Jul-07**	**cuttings**	**897**
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**6990**	**7020**	**RE 6**	**70.7**	**0.05**	**0.16**	**0.23**	**0.29**	**346**	**0.22**	**0.03**	**0.19**	**73**	**14**	**132**	Road River (Hume Eq.)		**106L/7**	**This report**	**Jul-07**	**cuttings**	**897**
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**7290**	**7310**	**RE 6**	**70.9**	**0.07**	**0.16**	**0.31**	**0.34**	**345**	**0.23**	**0.03**	**0.20**	**70**	**26**	**148**	Road River (Hume Eq.)		**106L/7**	**This report**	**Jul-07**	**cuttings**	**897**
300H716630134300	Peel Y.T. H-71	512283	7357906	7580	7610	RE 6	70.5	0.07	0.26	0.22	0.59	435	0.37	0.06	0.31	70	51	159	Road River (Hume Eq.)		106L/7	This report	Jul-07	cuttings	897
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**7880**	**7910**	**RE 6**	**70.2**	**0.05**	**0.08**	**0.37**	**0.29**	**332**	**0.23**	**0.03**	**0.20**	**35**	**74**	**126**	Road River (Hume Eq.)		**106L/7**	**This report**	**Jul-07**	**cuttings**	**897**
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**8180**	**8210**	**RE 6**	**70.3**	**0.06**	**0.12**	**0.31**	**0.27**	**346**	**0.25**	**0.03**	**0.22**	**48**	**88**	**108**	Road River (Hume Eq.)		**106L/7**	**This report**	**Jul-07**	**cuttings**	**897**
300H716630134300	Peel Y.T. H-71	512283	7357906	8480	8510	RE 6	70.4	0.15	0.74	0.17	1.05	305	0.61	0.14	0.47	121	120	172	Road River (Landry Eq.)		106L/7	This report	Jul-07	cuttings	897
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**8780**	**8810**	**RE 6**	**70.5**	**0.07**	**0.15**	**0.30**	**0.39**	**342**	**0.34**	**0.03**	**0.31**	**44**	**9**	**115**	Road River (Peel Eq.)		**106L/7**	**This report**	**Jul-07**	**cuttings**	**897**
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**9080**	**9110**	**RE 6**	**70.8**	**0.05**	**0.07**	**0.42**	**0.32**	**410**	**0.25**	**0.02**	**0.23**	**28**	**4**	**128**	Road River (Peel Eq.)		**106L/7**	**This report**	**Jul-07**	**cuttings**	**897**
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**9380**	**9410**	**RE 6**	**70.4**	**0.02**	**0.07**	**0.24**	**0.28**	**418**	**0.15**	**0.02**	**0.13**	**47**	**67**	**187**	Mount Kindle		**106L/7**	**This report**	**Jul-07**	**cuttings**	**897**
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**9740**	**9770**	**RE 6**	**70.8**	**0.03**	**0.07**	**0.27**	**0.35**	**416**	**0.13**	**0.03**	**0.10**	**54**	**92**	**269**	Mount Kindle		**106L/7**	**This report**	**Jul-07**	**cuttings**	**897**
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**9980**	**10010**	**RE 6**	**70.0**	**0.02**	**0.07**	**0.20**	**0.29**	**403**	**0.07**	**0.02**	**0.05**	**100**	**157**	**414**	Franklin Mountain		**106L/7**	**This report**	**Jul-07**	**cuttings**	**897**
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**10280**	**10310**	**RE 6**	**70.6**	**0.02**	**0.04**	**0.36**	**0.24**	**420**	**0.08**	**0.02**	**0.06**	**50**	**138**	**300**	Franklin Mountain		**106L/7**	**This report**	**Jul-07**	**cuttings**	**897**
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**10457**		**RE 6**	**99.9**	**0.03**	**0.04**	**0.44**	**0.42**	**410**	**0.23**	**0.01**	**0.22**	**17**	**35**	**35**	Franklin Mountain		**106L/7**	**GSC-Calgary Well File: Peel H-71**	**Nov-00**	**core**	**897**
300H716630134300	Peel Y.T. H-71	512283	7357906	10472		RE 6	100.9	0.01	0.02	0.37	0.38	403	0.30	0.00	0.30	7	10	10	Franklin Mountain		106L/7	GSC-Calgary Well File: Peel H-71	Nov-00	core	897
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**10484**		**RE 6**	**100.5**	**0.01**	**0.03**	**0.26**	**0.39**	**371**	**0.21**	**0.01**	**0.20**	**14**	**33**	**33**	Franklin Mountain		**106L/7**	**GSC-Calgary Well File: Peel H-71**	**Nov-00**	**core**	**897**
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**10580**	**10610**	**RE 6**	**70.5**	**0.03**	**0.07**	**0.28**	**0.29**	**415**	**0.26**	**0.02**	**0.24**	**27**	**0**	**112**	Franklin Mountain		**106L/7**	**This report**	**Jul-07**	**cuttings**	**897**
300H716630134300	**Peel Y.T. H-71**	**512283**	**7357906**	**11100**	**11129**	**RE 6**	**70.1**	**0.05**	**0.10**	**0.34**	**0.26**	**421**	**0.33**	**0.03**	**0.30**	**30**	**30**	**79**	Franklin Mountain		**106L/7**	**This report**	**Jul-07**	**cuttings**	**897**
								Peel River I-21																	
300I216620134150	Peel R Y.T. I-21	531244	7339738	180	210	RE 6	70.5	0.13	1.41	0.09	1.12	430	1.68	0.22	1.46	84	68	67	Tuttle		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	510	530	RE 6	70.7	0.22	2.70	0.08	1.40	430	2.54	0.36	2.18	106	63	55	Tuttle		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	790	830	RE 6	70.2	0.32	2.43	0.12	1.51	432	2.57	0.33	2.24	95	42	59	Tuttle		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	970	1010	RE 6	70.4	0.24	1.30	0.16	1.05	432	1.63	0.20	1.43	80	56	64	Tuttle		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	1350	1370	RE 6	70.9	0.49	3.22	0.13	1.08	435	2.28	0.48	1.80	141	127	47	Tuttle		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	1660	1670	RE 6	70.4	0.72	0.76		0.51	458	2.19	0.13	2.06	36	8	23	Tuttle		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	1880	1910	RE 6	70.1	0.44	2.44	0.15	0.78	437	2.06	0.32	1.74	118	52	38	Tuttle		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	2150	2180	RE 6	70.4	0.34	1.53	0.18	0.48	440	1.07	0.20	0.87	143	64	45	Tuttle		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	2440	2470	RE 6	70.8	0.39	1.50	0.21	0.41	442	1.01	0.20	0.81	149	63	41	Tuttle		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	2780	2810	RE 6	70.8	0.77	4.79	0.14	0.52	449	3.82	0.50	3.32	125	11	14	Tuttle		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	3080	3110	RE 6	70.5	0.39	1.22	0.24	0.38	448	1.20	0.17	1.03	102	39	32	Imperial		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	3400	3420	RE 6	71.0	0.86	2.17	0.28	0.42	452	1.98	0.29	1.69	110	24	21	Imperial		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	3730	3760	RE 6	70.3	0.18	0.72	0.20	0.52	449	0.89	0.16	0.73	81	149	58	Imperial		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4010	4040	RE 6	70.6	0.16	0.44	0.27	0.54	440	0.62	0.09	0.53	71	71	87	Imperial		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4370	4380	RE 6	70.3	0.47	0.92		0.37	452	1.02	0.12	0.9	90	22	36	Imperial		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4440	4450	RE 6	70	0.45	0.85		0.27	450	0.93	0.12	0.81	91	22	29	Imperial		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4600				1.01	0.47				0.69			68			Imperial		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4630				0.9	0.57			464	0.94			60			Imperial		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4660				0.99	0.48				1.57			30			Canol		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4660		RE 2		1.51	2.4		0.19	465	2.08			115		9	Canol	Canol	106L/1	Feinstein et al., 1988		cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4680	4690	RE 6	70.1	0.95	0.95		.	456	2.1	0.17	1.93	46	10	21	Canol		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4680		RE 2		1.4	0.93		0	468	1.48			62		0	Canol	Canol	106L/1	Feinstein et al., 1988		cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4690				1.56	0.89			459	1.76			50			Canol		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4700	4710	RE 6	70	1.63	2.27		0.39	460	3.51	0.34	3.17	66	6	11	Canol		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4700				1.82	1.1			468	2.83			38			Canol		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4710	4760	RE 6	70.4	0.34	1.23		0.49	456	2.61	0.15	2.46	48	13	19	Canol		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4710		RE 2		3.18	2.74		0.63	461	3.83			71		16	Canol	Canol	106L/1	Feinstein et al., 1988		cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4730	4740	RE 6	25.7	0.33	1.14		0.44	456	2.8	0.14	2.66	41	15	16	Canol		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4730	4740	RE 6	25.8	2.15	2.37		0.66	465	4.9	0.39	4.51	49	4	13	Canol		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4730	4740	RE 6	70.4	2.18	2.49		0.4	469	4.94	0.41	4.53	52	6	8	Canol		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4730	4740	RE 6	70.6	2.16	2.61		0.47	470	4.95	0.42	4.53	54	8	9	Canol		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4730	4740	RE 6	70.1	2.19	2.63		0.5	470	5.13	0.41	4.72	52	2	10	Canol		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4730				3.06	2.39			465	3.73			64			Canol		106L/1	GSC Well File			907
300I216620134150	**Peel R Y.T. I-21**	**531244**	**7339738**	**4740**		**RE 2**		**0**	**0**		**0.47**	**0**	**0**						Canol	Canol	**106L/1**	**Feinstein et al., 1988**		**cuttings**	**907**
300I216620134150	Peel R Y.T. I-21	531244	7339738	4750	4760	RE 6	25.3	1.37	1.63		0.67	460	3.21	0.29	2.92	52	26	21	Canol		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4750	4760	RE 6	70.4	1.31	1.71		0.42	462	3.14	0.26	2.88	55	6	13	Canol		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4750	4760	RE 6	70.5	1.3	1.75		0.39	462	3.16	0.28	2.88	56	15	12	Canol		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4750		RE 2		1.12	2.49		0.12	455	1.61			154		7	Canol	Canol	106L/1	Feinstein et al., 1988		cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4760				2.35	1.79			459	2.7			66			Canol		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4790				1.55	1.34			462	1.93			69			Hume		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4800				1.78	1.55			459	2.12			73			Hume		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4880				1.81	1.24			464	1.9			65			Hume		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4900				0.64	0.39				0.55			70			Hume		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4910		RE 6	70.1	0.4	0.61		0.3	450	0.73	0.09	0.64	84	21	41	Hume		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	4950		RE 6	70	0.32	0.59		0.33	450	0.82	0.08	0.74	72	9	40	Hume		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5000				0.51	0.29				0.46			63			Hume		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5030		RE 6	70.5	0.38	0.53		0.33	449	0.65	0.09	0.56	82	35	51	Hume		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	**Peel R Y.T. I-21**	**531244**	**7339738**	**5100**				**0.35**	**0.19**				**0.28**			**67**			Hume		**106L/1**	**GSC Well File**			**907**
300I216620134150	Peel R Y.T. I-21	531244	7339738	5200				0.66	0.35				0.42			83			Hume		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5220		RE 6	70.8	0.65	1.11		0.5	438	0.88	0.15	0.73	126	18	57	Hume		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5250				0.75	0.43				0.45			95			Hume		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5300				0.69	0.49				0.38			128			Hume		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5300		RE 6	70.3	0.51	0.78		0.35	444	0.74	0.11	0.63	105	4	47	Hume		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5350				0.62	0.44				0.41			107			Hume		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5400				0.46	0.23				0.3			76			Hume		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5500				0.55	0.33				0.33			100			Landry		106L/1	GSC Well File			907
300I216620134150	**Peel R Y.T. I-21**	**531244**	**7339738**	**5550**				**0.43**	**0.19**				**0.36**			**52**			Landry		**106L/1**	**GSC Well File**			**907**
300I216620134150	Peel R Y.T. I-21	531244	7339738	5580	5610	RE 6	70.6	0.23	0.78	0.23	0.38	444	0.73	0.10	0.63	107	12	52	Landry		106L/1	This report	Jul-07	cuttings	907

Table 1. Summary of previously determined and new Rock-Eval /TOC results for all 18 wells sampled in the Peel region of the Yukon. Sample formation is based on formation tops identified in Fraser and Hogue, 2007. Parameters are described in the Laboratory Methods Section. Those results that have TOC < 0.3% and S2 < 0.2 are identified with either yellow highlighting (low TOC) or a red font (low S2 parameter), respectively, or both.

Unique Well Identifier (UWI)	Well Name	UTM Easting (NAD 83)	UTM Northing (NAD 83)	Sample Depth From (F)	Sample Depth To (F)	Equipment Type	Qty (g)	S1 (mg/g rock)	S2 (mg/g rock)	Production Index (S1/ (S1+S2))	S3 (mg CO2/g rock)	Tmax (ºC)	TOC (wt. %)	PC (wt. %)	RC (%)	Hydrogen Index (mg HC/ g TOC)	Oxygen Index CO	Oxygen Index (mg CO2/ g TOC)	Formation	GSC OFR 1944 Formation	NTS	Reference	Completed	Sample Type	Yukon WID
300I216620134150	Peel R Y.T. I-21	531244	7339738	5600				0.78	0.36				0.35			102			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5650				0.52	0.22				0.3			73			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5700				0.46	0.25				0.3			83			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5750				0.3	0.22				0.23			95			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5800				0.65	0.48				0.44			109			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5850				0.51	0.39				0.37			105			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5851		RE 6	100.6	0.01	0.02	0.23	0.45	522	0.16	0	0.16	13	19	281	Landry		106L/1	GSC-Calgary Well File: Peel River I-21	Nov-00	core	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5863		RE 6	100.8	0.01	0.04	0.14	0.45	443	0.16	0.01	0.16	24	12	265	Landry		106L/1	GSC-Calgary Well File: Peel River I-21	Nov-00	core	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5880	5910	RE 6	70.7	0.11	0.38	0.22	0.34	438	0.35	0.05	0.30	109	9	97	Landry		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	5884		RE 6	100.8	0.01	0.03	0.27	0.50	420	0.17	0.01	0.16	18	29	294	Landry		106L/1	GSC-Calgary Well File: Peel River I-21	Nov-00	core	
300I216620134150	Peel R Y.T. I-21	531244	7339738	5900				0.28	0.12				0.22			54			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6000				0.53	0.37				0.37			100			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6050				0.43	0.25				0.3			83			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6100				0.32	0.22				0.24			91			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6190	6220	RE 6	70.4	0.19	0.50	0.28	0.37	432	0.49	0.07	0.42	102	12	76	Landry		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6197		RE 6	100.2	0.03	0.08	0.27	0.37	331	0.31	0.01	0.30	26	32	119	Landry		106L/1	GSC-Calgary Well File: Peel River I-21	Nov-00	core	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6200				0.29	0.21				0.28			75			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6207		RE 6	101	0.01	0.02	0.24	0.47	429	0.27	0.01	0.26	7	22	174	Landry		106L/1	GSC-Calgary Well File: Peel River I-21	Nov-00	core	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6221		RE 6	101	0.01	0.02	0.24	0.48	571	0.32	0.01	0.31	6	28	150	Landry			GSC-Calgary Well File: Peel River I-21	Nov-00	core	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6300				0.22	0.17				0.19			89			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6380	6410	RE 6	70.0	0.21	0.64	0.25	0.36	442	0.74	0.10	0.64	86	42	49	Landry		106L/1	This report	Jul-07	cuttings	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6400				0.68	0.35				0.53			66			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6473		RE 6	100.4	0.01	0.05	0.14	0.53	599	0.59	0.01	0.58	8	10	90	Landry		106L/1	GSC-Calgary Well File: Peel River I-21	Nov-00	core	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6483		RE 6	100.3	0.01	0.02	0.34	0.41	596	0.35	0	0.35	6	6	117	Landry		106L/1	GSC-Calgary Well File: Peel River I-21	Nov-00	core	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6497		RE 6	100.8	0.01	0.04	0.17	0.47	599	0.38	0.01	0.37	11	11	124	Landry		106L/1	GSC-Calgary Well File: Peel River I-21	Nov-00	core	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6500				0.48	0.18				0.38			47			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6580	6710	RE 6	71	0.12	0.27		0.28	443	0.82	0.04	0.78	33	11	34	Landry		106L/1	2007: Rock Eval DB	01/17/2005		907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6600				0.88	0.3				0.53			56			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6700				0.54	0.23				0.71			32			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6790				0.29	0.11				0.22			50			Landry		106L/1	GSC Well File			907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6792		RE 6	100	0.01	0.01	0.39	0.23	331	0.07	0	0.07	14	29	329	Landry		106L/1	GSC-Calgary Well File: Peel River I-21	Nov-00	core	907
300I216620134150	Peel R Y.T. I-21	531244	7339738	6795		RE 6	101	0.01	0.02	0.33	0.25	565	0.16	0.01	0.15	13	44	156	Landry		106L/1	GSC-Calgary Well File: Peel River I-21	Nov-00	core	907
								Peel River J-21																	
300J216640134000	Peel R Y.T. J-21	541013	7376918	100	130	RE 6	70.3	0.21	2.64	0.07	0.87	430	1.73	0.29	1.44	153	29	50	Arctic Red		106L/9	This report	Jul-07	cuttings	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	410	440	RE 6	70.8	0.14	1.60	0.08	0.50	434	1.25	0.17	1.08	128	7	40	Arctic Red		106L/9	This report	Jul-07	cuttings	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	720	750	RE 6	70.8	0.19	1.42	0.12	0.68	435	1.36	0.19	1.17	104	40	50	Arctic Red		106L/9	This report	Jul-07	cuttings	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	1030	1060	RE 6	70.2	0.19	1.02	0.16	0.58	432	1.24	0.15	1.09	82	40	47	Martin House		106L/9	This report	Jul-07	cuttings	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	1340	1370	RE 6	70.6	0.27	2.09	0.12	0.60	432	1.47	0.25	1.22	142	48	41	Tuttle		106L/9	This report	Jul-07	cuttings	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	1650	1680	RE 6	70.5	0.23	2.68	0.08	0.80	437	2.38	0.33	2.05	113	44	34	Tuttle		106L/9	This report	Jul-07	cuttings	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	1960	1990	RE 6	70.4	0.19	1.41	0.12	0.89	437	1.38	0.20	1.18	102	58	64	Tuttle		106L/9	This report	Jul-07	cuttings	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	2017.5		RE 6	70.5	0.26	3.02		0.31	438	1.92	0.30	1.62	157	11	16	Tuttle		106L/9	This report	Nov-06	core	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	2270	2300	RE 6	70.6	0.18	1.65	0.10	0.67	439	1.60	0.20	1.40	103	34	42	Tuttle		106L/9	This report	Jul-07	cuttings	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	2590	2630	RE 6	70.6	0.29	2.08	0.12	0.84	442	2.02	0.29	1.73	103	67	42	Tuttle		106L/9	This report	Jul-07	cuttings	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	2900	2930	RE 6	70.4	0.22	1.50	0.13	0.49	440	1.39	0.18	1.21	108	30	35	Tuttle		106L/9	This report	Jul-07	cuttings	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	3200	3230	RE 6	70.2	0.53	2.19	0.20	0.57	447	2.46	0.28	2.18	89	25	23	Tuttle		106L/9	This report	Jul-07	cuttings	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	3500	3530	RE 6	70.6	0.26	1.05	0.20	0.48	448	1.38	0.15	1.23	76	32	35	Tuttle		106L/9	This report	Jul-07	cuttings	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	3900	3930	RE 6	70.0	0.28	1.09	0.20	0.56	444	1.26	0.16	1.10	87	30	44	Tuttle		106L/9	This report	Jul-07	cuttings	905
300J216640134000	Peel R Y.T. J-21	541013	7376918	3936		RE 6	70.6	0.18	0.66		0.11	449	0.84	0.08	0.76	79	8	13	Tuttle		106L/9	This report	Nov-06	core	905
								Peel River K-09																	
300K096620134000	Peel River Y.T. K-09	544199	7354599	280	310	RE 6	70.5	0.28	1.44	0.16	0.69	430	1.51	0.20	1.31	95	47	46	Arctic Red		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	980	1010	RE 6	70.1	0.28	2.45	0.10	0.69	431	1.57	0.27	1.30	156	31	44	Arctic Red		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	1280	1310	RE 6	70.4	0.30	1.94	0.14	0.84	428	1.55	0.25	1.30	125	26	54	Arctic Red		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	1580	1610	RE 6	70.8	0.29	2.69	0.10	0.81	431	1.70	0.32	1.38	158	56	48	Arctic Red		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	1880	1910	RE 6	70.6	0.44	2.27	0.16	0.94	428	1.58	0.35	1.23	144	119	59	Arctic Red		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	2180	2210	RE 6	70.1	0.25	1.95	0.12	0.91	436	1.42	0.27	1.15	137	73	64	Arctic Red		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	2500	2530	RE 6	70.5	0.30	1.57	0.16	0.58	439	1.51	0.20	1.31	104	31	38	Martin House		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	2780	2810	RE 6	70.3	0.43	1.75	0.20	0.58	437	1.23	0.24	0.99	142	70	47	Tuttle		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	3080	3110	RE 6	70.0	0.45	1.97	0.19	0.65	442	1.52	0.32	1.20	130	136	43	Tuttle		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	3310	3340	RE 6	70.6	0.30	1.39	0.18	0.52	444	1.11	0.20	0.91	125	78	47	Tuttle		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	3680	3710	RE 6	70.3	0.24	1.16	0.17	0.48	446	1.01	0.16	0.85	115	55	48	Tuttle		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	4030	4060	RE 6	70.1	0.19	1.10	0.15	0.55	443	1.16	0.16	1.00	95	71	47	Tuttle		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	4270	4300	RE 6	70.2	0.22	1.48	0.13	0.55	441	1.28	0.18	1.10	116	30	43	Tuttle		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	4396		RE 6	70.8	0.35	2.41		0.15	460	2.13	0.24	1.89	113		7	Tuttle		106L/8	This report	Nov-06	core	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	4590	4620	RE 6	70.7	0.15	1.18	0.12	0.45	440	1.18	0.16	1.02	100	51	38	Tuttle		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	4870	4900	RE 6	70.4	0.36	1.59	0.18	0.47	448	1.69	0.23	1.46	94	56	28	Tuttle		106L/8	This report	Jul-07	cuttings	910
300K096620134000	Peel River Y.T. K-09	544199	7354599	5070	5100	RE 6	70.2	0.27	1.22	0.18	0.43	455	1.54	0.16	1.38	79	23	28	Tuttle		106L/8	This report	Jul-07	cuttings	910
								Taylor Lake K-15																	
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	140	170	RE 6	70.9	1.04	3.80	0.22	0.39	438	1.83	0.43	1.40	208	13	21	Arctic Red		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	450	480	RE 6	70.5	1.04	3.00	0.26	0.32	438	1.81	0.37	1.44	166	20	18	Arctic Red		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	760	780	RE 6	70.9	0.71	2.26	0.24	0.25	440	1.60	0.26	1.34	141	4	16	Arctic Red		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	1070	1100	RE 6	70.0	0.68	2.22	0.24	0.30	442	1.77	0.26	1.51	125	12	17	Arctic Red		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	1380	1410	RE 6	70.5	0.74	2.38	0.24	0.36	452	1.87	0.30	1.57	127	24	19	Arctic Red		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	1690	1720	RE 6	70.3	0.45	1.17	0.28	0.30	459	1.39	0.18	1.21	84	42	22	Arctic Red		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	2000	2030	RE 6	70.3	0.33	0.83	0.29	0.36	465	1.37	0.12	1.25	61	15	26	Arctic Red		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	2310	2340	RE 6	70.5	0.25	0.62	0.29	0.32	457	0.94	0.12	0.82	66	72	34	Tuttle		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	2620	2650	RE 6	70.2	0.37	0.72	0.34	0.31	464	1.49	0.12	1.37	48	30	21	Tuttle		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	3000	3030	RE 6	70.2	0.22	0.65	0.25	0.44	478	2.03	0.12	1.91	32	33	22	Tuttle		106F/14	This report	Jul-07	cuttings	902

Table 1. Summary of previously determined and new Rock-Eval /TOC results for all 18 wells sampled in the Peel region of the Yukon. Sample formation is based on formation tops identified in Fraser and Hogue, 2007. Parameters are described in the Laboratory Methods Section. Those results that have TOC < 0.3% and S2 < 0.2 are identified with either yellow highlighting (low TOC) or a red font (low S2 parameter), respectively, or both.

Unique Well Identifier (UWI)	Well Name	UTM Easting (NAD 83)	UTM Northing (NAD 83)	Sample Depth From (F)	Sample Depth To (F)	Equipment Type	Qty (g)	S1 (mg/g rock)	S2 (mg/g rock)	Production Index (S1/ (S1+S2))	S3 (mg CO2/g rock)	Tmax (ºC)	TOC (wt. %)	PC (wt. %)	RC (%)	Hydrogen Index (mg HC/ g TOC)	Oxygen Index CO	Oxygen Index (mg CO2/ g TOC)	Formation	GSC OFR 1944 Formation	NTS	Reference	Completed	Sample Type	Yukon WID
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	3310	3340	RE 6	70.8	0.25	0.75	0.25	0.28	497	2.13	0.11	2.02	35	13	13	Tuttle		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	3620	3650	RE 6	71.0	0.44	0.68	0.39	0.25	321	1.11	0.11	1.00	61	13	23	Imperial		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	3930	3960	RE 6	70.4	0.34	0.54	0.39	0.27	344	1.18	0.09	1.09	46	14	23	Imperial		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	4230	4260	RE 6	70.9	0.29	0.35	0.45	0.23	332	1.42	0.06	1.36	25	1	16	Imperial		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	4330		RE 2		0.56	0.2		0.1	318	2.11			9		5	Canol	Canol	106F/14	Feinstein et al., 1988		cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	4360	4390	RE 6	50.9	0.29	0.47	0.39	0.35	595	4.05	0.09	3.96	12	4	9	Canol		106F/14	This report	Jul-07	cuttings	902
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	4380		RE 2		0.65	0.23		0.16	383	2.94			7		5	Canol	Canol	106F/14	Feinstein et al., 1988		cuttings	902
300K156600133000	**Taylor Lake Y.T. K-15**	**588702**	**7311333**	**4430**		**RE 2**		**0.29**	**0.14**		**0.44**	**0**	**4.76**			**2**		**9**	Canol	Canol	**106F/14**	**Feinstein et al., 1988**		**cuttings**	**902**
300K156600133000	**Taylor Lake Y.T. K-15**	**588702**	**7311333**	**4450**		**RE 2**		**0.4**	**0**		**0.53**	**0**	**3.71**			**0**		**14**	Bluefish	Canol	**106F/14**	**Feinstein et al., 1988**		**cuttings**	**902**
300K156600133000	**Taylor Lake Y.T. K-15**	**588702**	**7311333**	**4520**	**4550**	**RE 6**	**70.1**	**0.07**	**0.13**	**0.33**	**0.22**	**598**	**0.72**	**0.03**	**0.69**	**18**	**14**	**31**	Hume		**106F/14**	**This report**	**Jul-07**	**cuttings**	**902**
300K156600133000	**Taylor Lake Y.T. K-15**	**588702**	**7311333**	**4830**	**4860**	**RE 6**	**70.3**	**0.03**	**0.08**	**0.24**	**0.31**	**423**	**0.25**	**0.03**	**0.22**	**32**	**68**	**124**	Hume		**106F/14**	**This report**	**Jul-07**	**cuttings**	**902**
300K156600133000	**Taylor Lake Y.T. K-15**	**588702**	**7311333**	**5140**	**5170**	**RE 6**	**70.9**	**0.05**	**0.08**	**0.37**	**0.25**	**432**	**0.27**	**0.02**	**0.25**	**30**	**22**	**93**	Landry		**106F/14**	**This report**	**Jul-07**	**cuttings**	**902**
300K156600133000	**Taylor Lake Y.T. K-15**	**588702**	**7311333**	**5460**	**5490**	**RE 6**	**70.9**	**0.08**	**0.15**	**0.35**	**0.27**	**430**	**0.34**	**0.03**	**0.31**	**44**	**18**	**79**	Landry		**106F/14**	**This report**	**Jul-07**	**cuttings**	**902**
300K156600133000	**Taylor Lake Y.T. K-15**	**588702**	**7311333**	**5770**	**5800**	**RE 6**	**70.0**	**0.02**	**0.04**	**0.30**	**0.22**	**427**	**0.13**	**0.02**	**0.11**	**31**	**46**	**169**	Landry		**106F/14**	**This report**	**Jul-07**	**cuttings**	**902**
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	6080	6110	RE 6	70.6	0.11	0.20	0.36	0.23	432	0.55	0.04	0.51	36	20	42	Landry		106F/14	This report	Jul-07	cuttings	902
300K156600133000	**Taylor Lake Y.T. K-15**	**588702**	**7311333**	**6700**	**6730**	**RE 6**	**70.8**	**0.02**	**0.06**	**0.25**	**0.23**	**431**	**0.08**	**0.02**	**0.06**	**75**	**125**	**288**	Arnica		**106F/14**	**This report**	**Jul-07**	**cuttings**	**902**
300K156600133000	**Taylor Lake Y.T. K-15**	**588702**	**7311333**	**7010**	**7040**	**RE 6**	**70.8**	**0.02**	**0.10**	**0.19**	**0.22**	**435**	**0.10**	**0.02**	**0.08**	**100**	**20**	**220**	Peel		**106F/14**	**This report**	**Jul-07**	**cuttings**	**902**
300K156600133000	Taylor Lake Y.T. K-15	588702	7311333	7320	7350	RE 6	70.8	0.09	0.20	0.32	0.23	434	0.26	0.03	0.23	77	0	88	Peel		106F/14	This report	Jul-07	cuttings	902
300K156600133000	**Taylor Lake Y.T. K-15**	**588702**	**7311333**	**7630**	**7660**	**RE 6**	**70.3**	**0.03**	**0.08**	**0.27**	**0.19**	**426**	**0.10**	**0.02**	**0.08**	**80**	**40**	**190**	Mount Kindle		**106F/14**	**This report**	**Jul-07**	**cuttings**	**902**
								Peel River K-76																	
300K766630134000	Peel R Y.T. K-76	534014	7367642	110	140	RE 6	70.4	0.11	0.84	0.12	0.58	432	1.18	0.12	1.06	71	31	49	Tuttle		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	430	460	RE 6	70.6	0.14	2.26	0.06	0.68	429	1.60	0.25	1.35	141	26	43	Tuttle		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	740	800	RE 6	70.2	0.14	1.35	0.09	0.90	432	1.34	0.18	1.16	101	47	67	Tuttle		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	1080	1120	RE 6	70.3	0.19	1.22	0.13	0.77	436	1.42	0.17	1.25	86	42	54	Tuttle		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	1350	1380	RE 6	70.8	0.20	1.00	0.17	0.74	435	1.68	0.15	1.53	60	33	44	Tuttle		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	1660	1690	RE 6	70.5	0.17	0.94	0.15	0.48	428	0.96	0.14	0.82	98	79	50	Tuttle		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	1950	1980	RE 6	70.1	0.10	0.70	0.12	0.79	438	0.91	0.14	0.77	77	109	87	Tuttle		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	2300	2330	RE 6	70.9	0.13	1.25	0.10	0.62	436	1.20	0.18	1.02	104	88	52	Tuttle		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	2670	2700	RE 6	70.2	0.14	1.11	0.11	0.45	438	1.12	0.16	0.96	99	79	40	Tuttle		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	3000	3030	RE 6	70.3	0.12	0.82	0.13	0.32	444	0.86	0.11	0.75	95	41	37	Imperial		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	3310	3340	RE 6	70.5	0.30	1.84	0.14	0.53	451	2.01	0.30	1.71	92	106	26	Imperial		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	3600	3630	RE 6	70.4	0.19	1.01	0.16	0.71	445	1.23	0.17	1.06	82	89	58	Imperial		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	3960	3990	RE 6	71.0	0.20	1.14	0.15	0.49	440	1.48	0.16	1.32	77	38	33	Imperial		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	4270	4300	RE 6	70.5	0.59	3.00	0.17	0.72	454	4.67	0.37	4.30	64	16	15	Imperial		106L/8	This report	Jul-07	cuttings	906
300K766630134000	Peel R Y.T. K-76	534014	7367642	4530	4550	RE 6	70.5	0.39	0.97	0.29	0.44	446	1.70	0.16	1.54	57	34	26	Imperial		106L/8	This report	Jul-07	cuttings	906
								Peel River L-01																	
300L016640134450	Peel R Y.T. L-01	510101	7376857	780	820	RE 6	70.7	0.16	1.65	0.09	0.86	426	1.64	0.22	1.42	101	34	52	Arctic Red		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	1040	1080	RE 6	70.5	0.15	1.17	0.11	0.59	428	1.22	0.15	1.07	96	39	48	Arctic Red		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	1320	1360	RE 6	71.0	0.19	3.52	0.05	1.13	422	2.10	0.38	1.72	168	31	54	Arctic Red		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	1480	1520	RE 6	70.3	0.12	1.33	0.08	1.28	427	1.33	0.21	1.12	100	74	96	Arctic Red		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	1780	1820	RE 6	70.6	0.61	2.07	0.23	0.65	426	1.47	0.27	1.20	141	23	44	Arctic Red		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	2110	2140	RE 6	70.5	0.22	1.72	0.11	0.68	432	1.79	0.21	1.58	96	28	38	Martin House		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	2380	2410	RE 6	70.8	0.26	2.28	0.10	0.99	427	1.67	0.30	1.37	137	72	59	Tuttle		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	2680	2710	RE 6	70.1	0.31	2.74	0.10	1.05	428	1.67	0.34	1.33	164	75	63	Tuttle		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	2940	2970	RE 6	70.5	0.23	2.24	0.09	0.69	430	1.50	0.27	1.23	149	51	46	Tuttle		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	3330	3360	RE 6	70.8	0.19	1.54	0.11	0.52	431	1.29	0.18	1.11	119	26	40	Tuttle		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	3630	3660	RE 6	70.3	0.18	1.62	0.10	0.54	433	1.08	0.20	0.88	150	68	50	Tuttle		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	3990	4020	RE 6	70.2	0.23	1.83	0.11	0.66	432	1.23	0.26	0.97	149	118	54	Tuttle		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	4324		RE 6	70.3	0.16	2.05		0.21	439	1.65	0.22	1.43	124	28	13	Tuttle		106L/10	This report	Nov-06	core	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	4720	4750	RE 6	70.1	0.42	2.96	0.12	0.50	437	2.10	0.35	1.75	141	47	24	Tuttle		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	5030		RE 6	70.8	0.18	1.24		0.28	446	1.33	0.15	1.18	93	24	21	Tuttle		106L/10	This report	Nov-06	core	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	5043.5		RE 6	70.7	0.34	2.87		0.19	450	2.39	0.29	2.10	120	4	8	Tuttle		106L/10	This report	Nov-06	core	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	5380	5410	RE 6	70.7	1.48	7.73	0.16	0.40	447	4.63	0.80	3.83	167	8	9	Tuttle		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	5580	5610	RE 6	70.9	0.32	1.58	0.17	0.49	441	1.20	0.23	0.97	132	89	41	Tuttle		106L/10	This report	Jul-07	cuttings	914
300L016640134450	Peel R Y.T. L-01	510101	7376857	5970	6000	RE 6	70.2	0.26	1.16	0.18	0.46	440	1.10	0.16	0.94	105	40	42	Imperial		106L/10	This report	Jul-07	cuttings	914
								Peel River L-19																	
300L196650135150	Peel R Y.T. L-19	486115	7410232	160	190	RE 6	70.4	0.36	6.23	0.05	1.07	426	2.94	0.63	2.31	212	19	36	Tuttle		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	510	540	RE 6	70.2	0.36	4.40	0.08	0.52	426	1.50	0.44	1.06	293	34	35	Tuttle		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	810	840	RE 6	70.8	0.22	1.42	0.13	0.29	428	0.83	0.16	0.67	171	7	35	Tuttle		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	1400	1440	RE 6	70.7	0.49	3.49	0.12	0.33	432	1.33	0.36	0.97	262	26	25	Tuttle		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	1680	1720	RE 6	70.5	0.29	1.37	0.18	0.25	430	0.75	0.16	0.59	183	24	33	Tuttle		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	2010	2040	RE 6	70.7	0.26	1.26	0.17	0.28	432	0.67	0.15	0.52	188	40	42	Tuttle		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	2350	2380	RE 6	70.7	0.31	1.45	0.18	0.27	430	0.72	0.18	0.54	201	67	38	Tuttle		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	2660	2690	RE 6	70.5	0.25	1.21	0.17	0.46	430	0.74	0.16	0.58	164	57	62	Tuttle		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	2970	3000	RE 6	70.2	0.23	0.97	0.19	0.26	437	0.66	0.14	0.52	147	86	39	Tuttle		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	3200	3230	RE 6	70.2	0.18	0.85	0.18	0.27	434	0.54	0.11	0.43	157	72	50	Tuttle		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	3440	3470	RE 6	70.7	0.28	1.02	0.22	0.23	435	0.58	0.12	0.46	176	12	40	Imperial		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	3750	3780	RE 6	70.2	0.16	0.76	0.18	0.24	438	0.55	0.10	0.45	138	7	44	Imperial		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	4100	4130	RE 6	70.6	0.21	0.86	0.19	0.24	442	0.62	0.11	0.51	139	24	39	Imperial		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	4380	4410	RE 6	70.7	0.29	1.04	0.22	0.28	440	0.86	0.13	0.73	121	8	33	Imperial		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	4710	4740	RE 6	70.9	0.14	0.65	0.18	0.31	443	0.64	0.10	0.54	102	100	48	Imperial		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	5010	5040	RE 6	70.5	0.18	0.67	0.21	0.22	444	0.65	0.10	0.55	103	52	34	Imperial		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	5330	5360	RE 6	70.5	0.17	0.63	0.21	0.43	442	0.65	0.13	0.52	97	163	66	Imperial		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	5670	5700	RE 6	70.5	0.23	0.66	0.26	0.27	442	0.66	0.09	0.57	100	14	41	Imperial		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	5980	6010	RE 6	70.9	0.22	0.73	0.23	0.31	446	0.67	0.12	0.55	109	113	46	Imperial		106L/14	This report	Jul-07	cuttings	913
300L196650135150	Peel R Y.T. L-19	486115	7410232	6280	6310	RE 6	71.2	0.20	0.71	0.22	0.26	451	0.65	0.10	0.55	109	65	40	Imperial		106L/14	This report	Jul-07	cuttings	913

Table 1. Summary of previously determined and new Rock-Eval /TOC results for all 18 wells sampled in the Peel region of the Yukon. Sample formation is based on formation tops identified in Fraser and Hogue, 2007. Parameters are described in the Laboratory Methods Section. Those results that have TOC < 0.3% and S2 < 0.2 are identified with either yellow highlighting (low TOC) or a red font (low S2 parameter), respectively, or both.

Unique Well Identifier (UWI)	Well Name	UTM Easting (NAD 83)	UTM Northing (NAD 83)	Sample Depth From (F)	Sample Depth To (F)	Equipment Type	Qty (g)	S1 (mg/g rock)	S2 (mg/g rock)	Production Index (S1/ (S1+S2))	S3 (mg CO2/g rock)	Tmax (ºC)	TOC (wt. %)	PC (wt. %)	RC (%)	Hydrogen Index (mg HC/ g TOC)	Oxygen Index CO	Oxygen Index (mg CO2/ g TOC)	Formation	GSC OFR 1944 Formation	NTS	Reference	Completed	Sample Type	Yukon WID
								Peel River M-69																	
300M696610133450	Peel River Y.T. M-69	546663	7336990	120		RE 2		0.21	1.12		0.23	440	1.03			108		22	Arctic Red	Arctic Red	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	200	240	RE 6	70.7	0.07	0.88	0.07	0.45	436	1.11	0.11	1.00	79	29	41	Arctic Red		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	300		RE 2		0.18	0.98		0.26	438	0.94			104		27	Arctic Red	Arctic Red	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	370		RE 2		0.18	1.45		0.22	440	1.14			127		19	Arctic Red	Arctic Red	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	500	540	RE 6	70.0	0.19	1.00	0.16	0.42	434	1.17	0.12	1.05	85	13	36	Arctic Red		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	790	820	RE 6	71.1	0.24	1.86	0.11	0.69	436	1.40	0.21	1.19	133	19	49	Arctic Red		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	850		RE 2		0.26	1.51		0.53	441	1.29			117		41	Arctic Red	Arctic Red	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	1010		RE 2		0.23	1.7		0.2	439	1.3			130		15	Arctic Red	Arctic Red	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	1100	1130	RE 6	70.2	0.15	1.19	0.11	0.74	436	1.32	0.15	1.17	90	4	56	Arctic Red		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	1290		RE 2		0.2	1.06		0.26	445	1.1			96		23	Arctic Red	Arctic Red	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	1380	1410	RE 6	70.3	0.17	1.38	0.11	0.34	438	1.29	0.15	1.14	107	4	26	Arctic Red		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	1400		RE 2		0.24	1.21		0.22	445	1.16			104		18	Arctic Red	Arctic Red	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	1480		RE 2		0.3	1.24		0.7	442	1.24			100		56	Arctic Red	Arctic Red	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	1680	1720	RE 6	70.5	0.32	1.37	0.19	0.37	437	1.13	0.16	0.97	121	5	33	Martin House		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	1860		RE 2		0.68	2.75		0.29	447	1.56			176		18	Martin House	Arctic Red	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	1980	2010	RE 6	70.5	0.36	1.98	0.15	0.39	438	1.30	0.23	1.07	152	23	30	Martin House		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	2220		RE 2		0.71	2.11		0.73	447	1.57			134		46	Martin House	Arctic Red	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	2280	2310	RE 6	70.8	0.43	2.33	0.15	0.44	441	1.50	0.26	1.24	155	4	29	Martin House		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	2350		RE 2		0.54	1.96		0.69	449	1.37			143		50	Martin House	Arctic Red	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	2560		RE 2		0.38	0.95		1.51	452	1.25			76		120	Martin House	Arctic Red	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	2580	2610	RE 6	70.6	0.24	1.25	0.16	0.39	447	1.39	0.15	1.24	90	24	28	Martin House		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	2880	2910	RE 6	70.8	0.34	1.38	0.20	0.26	448	1.49	0.16	1.33	93	12	17	Martin House		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	2910		RE 2		0.33	1.01		0.28	454	1.2			84		23	Martin House	Martin House	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	2940		RE 2		0.36	0.94		0.19	458	1.41			66		13	Martin House	Martin House	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	3180		RE 2		0.41	1.2		0.78	454	1.49			80		52	Tuttle	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	3190		RE 2		0.63	1.25		0.53	472	1.52			82		34	Tuttle	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	3300	3330	RE 6	70.3	0.38	1.43	0.21	0.40	453	1.63	0.20	1.43	88	39	25	Tuttle		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	3520		RE 2		0.5	1.08		0.67	467	1.34			80		50	Tuttle	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	3580	3610	RE 6	70.3	0.32	1.09	0.23	0.40	467	1.55	0.18	1.37	70	63	26	Tuttle		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	3700		RE 2		0.6	1.13		0.67	470	1.53			73		43	Tuttle	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	3890	3920	RE 6	70.7	0.34	1.31	0.21	0.40	468	1.99	0.19	1.80	66	38	20	Tuttle		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	4180	4210	RE 6	70.9	0.42	1.50	0.22	0.44	472	2.18	0.21	1.97	69	36	20	Tuttle		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	4200		RE 2		0.68	1.37		0.91	474	1.83			74		49	Tuttle	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	4380		RE 2		0.57	1.12		0.85	476	1.71			65		49	Tuttle	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	4480	4510	RE 6	70.5	0.37	1.09	0.26	0.57	478	1.99	0.25	1.74	55	124	29	Tuttle		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	4640		RE 2		0.49	0.9		0.55	482	1.27			70		43	Tuttle	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	4840	4870	RE 6	70.7	0.27	0.67	0.29	0.49	472	1.53	0.14	1.39	44	72	32	Tuttle		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	4860		RE 2		0.39	0.57		0.54	486	1.25			45		43	Tuttle	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**5080**	**5110**	**RE 6**	**70.5**	**0.14**	**0.17**	**0.46**	**0.32**	**479**	**1.09**	**0.06**	**1.03**	**16**	**38**	**29**	**Tuttle**		**106K/4**	**This report**	**Jul-07**	**cuttings**	**911**
300M696610133450	Peel River Y.T. M-69	546663	7336990	5140		RE 2		0.25	0.37		0.47	504	1.13			32		41	Tuttle	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	5390	5420	RE 6	70.5	0.15	0.42	0.27	0.36	494	1.10	0.08	1.02	38	45	33	Tuttle		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	5400		RE 2		0.26	0.46		0.41	467	0.77			59		53	Tuttle	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	5600		RE 2		0.32	0.75		0.54	454	1.12			66		48	Tuttle	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	5780	5810	RE 6	70.2	0.30	0.61	0.33	0.48	512	2.40	0.12	2.28	25	27	20	Tuttle		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	5790		RE 2		0.36	0.48		0.34	516	1.67			28		20	Imperial	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	5880	5910	RE 6	70.3	0.85	1.48	0.36	0.57	532	4.94	0.26	4.68	30	16	12	Tuttle		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	6000		RE 2		0.45	0.42		0.16	499	2.46			17		6	Imperial	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**6210**		**RE 2**		**0.39**	**0.17**		**0.36**	**401**	**1.04**			**16**		**34**	**Imperial**	**Imperial**	**106K/4**	**Feinstein et al., 1988**		**cuttings**	**911**
300M696610133450	Peel River Y.T. M-69	546663	7336990	6220	6230	RE 6	70.6	0.50	0.38	0.57	0.27	318	1.97	0.09	1.88	19	7	14	Imperial		106K/4	This report	Jul-07	cuttings	911
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**6400**		**RE 2**		**0.25**	**0.14**		**0.1**	**532**	**1.02**			**13**		**9**	**Imperial**	**Imperial**	**106K/4**	**Feinstein et al., 1988**		**cuttings**	**911**
300M696610133450	Peel River Y.T. M-69	546663	7336990	6530	6550	RE 6	70.6	0.33	0.47	0.41	0.26	327	1.29	0.08	1.21	36	1	20	Imperial		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	6680		RE 2		1.2	0.36		0.21	357	2.75			13		7	Imperial	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	6910	6930	RE 6	70.2	0.24	0.27	0.48	0.24	309	0.93	0.06	0.87	29	15	26	Imperial		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	6920		RE 2		0.29	0.2		0.16	460	0.99			20		16	Imperial	Imperial	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**7190**	**7230**	**RE 6**	**70.5**	**0.08**	**0.13**	**0.38**	**0.22**	**329**	**0.49**	**0.02**	**0.47**	**27**	**0**	**45**	**Imperial**		**106K/4**	**This report**	**Jul-07**	**cuttings**	**911**
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**7340**		**RE 2**		**0.13**	**0.06**		**0.51**	**356**	**0.45**			**13**		**113**	**Imperial**	**Imperial**	**106K/4**	**Feinstein et al., 1988**		**cuttings**	**911**
300M696610133450	Peel River Y.T. M-69	546663	7336990	7480	7500	RE 6	70.8	0.34	0.26	0.57	0.27	310	1.88	0.06	1.82	14	1	14	Canol		106K/4	This report	Jul-07	cuttings	911
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**7490**		**RE 2**		**0.53**	**0.09**		**0.23**	**448**	**1.87**			**4**		**12**	**Canol**	**Canol**	**106K/4**	**Feinstein et al., 1988**		**cuttings**	**911**
300M696610133450	Peel River Y.T. M-69	546663	7336990	7510	7540	RE 6	70.7	0.26	0.37	0.41	0.31	319	3.67	0.07	3.60	10	2	8	Bluefish Member		106K/4	This report	Jul-07	cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	7510		RE 2		0.57	0.25		0.19	452	2.6			9		7	Canol	Canol	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	Peel River Y.T. M-69	546663	7336990	7540		RE 2		0.72	0.42		0.26	552	4.36			9		5	Canol	Canol	106K/4	Feinstein et al., 1988		cuttings	911
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**7780**	**7810**	**RE 6**	**71.2**	**0.08**	**0.10**	**0.45**	**0.28**	**411**	**0.25**	**0.03**	**0.22**	**40**	**24**	**112**	**Hume**		**106K/4**	**This report**	**Jul-07**	**cuttings**	**911**
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**8080**	**8110**	**RE 6**	**70.6**	**0.14**	**0.14**	**0.49**	**0.25**	**304**	**0.42**	**0.03**	**0.39**	**33**	**2**	**60**	**Landry**		**106K/4**	**This report**	**Jul-07**	**cuttings**	**911**
300M696610133450	Peel River Y.T. M-69	546663	7336990	8380	8410	RE 6	70.4	0.26	0.33	0.44	0.34	305	0.91	0.07	0.84	36	8	37	Landry		106K/4	This report	Jul-07	cuttings	911
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**8690**	**8720**	**RE 6**	**71.1**	**0.06**	**0.11**	**0.36**	**0.27**	**424**	**0.23**	**0.02**	**0.21**	**48**	**4**	**117**	**Landry**		**106K/4**	**This report**	**Jul-07**	**cuttings**	**911**
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**9030**	**9060**	**RE 6**	**70.2**	**0.05**	**0.07**	**0.41**	**0.22**	**420**	**0.25**	**0.02**	**0.23**	**28**	**4**	**88**	**Landry**		**106K/4**	**This report**	**Jul-07**	**cuttings**	**911**
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**9390**	**9420**	**RE 6**	**70.5**	**0.15**	**0.15**	**0.50**	**0.31**	**320**	**0.72**	**0.04**	**0.68**	**21**	**4**	**43**	**Landry**		**106K/4**	**This report**	**Jul-07**	**cuttings**	**911**
300M696610133450	Peel River Y.T. M-69	546663	7336990	9550	9580	RE 6	70.7	0.29	0.21	0.58	0.37	326	0.82	0.07	0.75	26	35	45	Landry		106K/4	This report	Jul-07	cuttings	911
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**9890**	**9910**	**RE 6**	**70.1**	**0.04**	**0.07**	**0.41**	**0.24**	**421**	**0.18**	**0.02**	**0.16**	**39**	**50**	**133**	**Landry**		**106K/4**	**This report**	**Jul-07**	**cuttings**	**911**
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**10180**	**10210**	**RE 6**	**70.4**	**0.01**	**0.03**	**0.25**	**0.26**	**426**	**0.09**	**0.02**	**0.07**	**33**	**111**	**289**	**Tatsieta**		**106K/4**	**This report**	**Jul-07**	**cuttings**	**911**
300M696610133450	**Peel River Y.T. M-69**	**546663**	**7336990**	**10480**	**10510**	**RE 6**	**70.3**	**0.07**	**0.13**	**0.36**	**0.33**	**407**	**0.36**	**0.03**	**0.33**	**36**	**11**	**92**	**Peel**		**106K/4**	**This report**	**Jul-07**	**cuttings**	**911**
								Caribou N-25																	
300N256620134450	Caribou Y.T. N-25	507812	7347570	320		RE 6	70.6	1.45	14.63		0.44	435	5.42	1.35	4.07	271	4	8	Tuttle		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	Caribou Y.T. N-25	507812	7347570	450	470	RE 6	70.6	0.88	9.00	0.09	0.30	437	3.41	0.85	2.56	264	6	9	Tuttle		106L/2	This report	Jul-07	cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	480		RE 2		1.52	15.77		0.55	440	5.15			306		10	Tuttle	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	630	660	RE 6	70.2	1.43	12.30	0.10	0.24	438	3.66	1.16	2.50	336	6	7	Tuttle		106L/2	This report	Jul-07	cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	700		RE 2		1.44	7.02		0.64	441	2.42			290		26	Imperial	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	900		RE 2		0.73	3.56		0.6	439	1.77			201		33	Imperial	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	930	950	RE 6	70.6	0.47	5.73	0.08	0.31	438	2.12	0.54	1.58	270	13	15	Imperial		106L/2	This report	Jul-07	cuttings	884

Table 1. Summary of previously determined and new Rock-Eval /TOC results for all 18 wells sampled in the Peel region of the Yukon. Sample formation is based on formation tops identified in Fraser and Hogue, 2007. Parameters are described in the Laboratory Methods Section. Those results that have TOC < 0.3% and S2 < 0.2 are identified with either yellow highlighting (low TOC) or a red font (low S2 parameter), respectively, or both.

Unique Well Identifier (UWI)	Well Name	UTM Easting (NAD 83)	UTM Northing (NAD 83)	Sample Depth From (F)	Sample Depth To (F)	Equipment Type	Qty (g)	S1 (mg/g rock)	S2 (mg/g rock)	Production Index (S1/ (S1+S2))	S3 (mg CO2/g rock)	Tmax (ºC)	TOC (wt. %)	PC (wt. %)	RC (%)	Hydrogen Index (mg HC/ g TOC)	Oxygen Index CO	Oxygen Index (mg CO2/ g TOC)	Formation	GSC OFR 1944 Formation	NTS	Reference	Completed	Sample Type	Yukon WID
300N256620134450	Caribou Y.T. N-25	507812	7347570	1050		RE 2		0.91	4.51		0.73	445	1.44			313		50	Imperial	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	1410	1430	RE 6	71.1	0.53	2.51	0.18	0.24	442	1.35	0.28	1.07	186	21	18	Imperial		106L/2	This report	Jul-07	cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	1470		RE 2		1.12	3.67		0.8	447	1.78			206		44	Imperial	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	1600		RE 2		0.61	0.37		0.21	521	3.42			10		6	Imperial	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	1630	1660	RE 6	70.7	0.33	1.16	0.22	0.24	443	0.88	0.14	0.74	132	17	27	Imperial		106L/2	This report	Jul-07	cuttings	884
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**1700**		**RE 2**		**0.44**	**0.13**		**0.18**	**458**	**2.46**			**5**		**7**	Imperial	Imperial	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	Caribou Y.T. N-25	507812	7347570	1770		RE 2		0.17	0.34		0.27	448	0.59			57		45	Imperial	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	1890		RE 2		0.56	0.43		0.16	522	3.43			12		4	Imperial	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	1890		RE 6	69.8	0.71	0.6		0.22	579	3.78	0.12	3.66	17	5	6	Imperial		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	Caribou Y.T. N-25	507812	7347570	1930	1960	RE 6	70.3	0.23	0.65	0.26	0.17	447	0.66	0.08	0.58	98	11	26	Imperial		106L/2	This report	Jul-07	cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	2100		RE 2		0.25	0.43		0.24	452	0.57			75		42	Imperial	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	2230	2260	RE 6	70.2	0.24	0.53	0.31	0.26	448	0.58	0.08	0.50	91	3	45	Imperial		106L/2	This report	Jul-07	cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	2410	2440	RE 6	70.8	0.23	0.53	0.30	0.33	450	0.63	0.11	0.52	84	106	52	Imperial		106L/2	This report	Jul-07	cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	2500		RE 2		0.18	0.37		0.36	454	0.5			74		72	Imperial	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	2730	2750	RE 6	70.1	0.27	0.85	0.24	0.21	450	0.97	0.11	0.86	88	12	22	Imperial		106L/2	This report	Jul-07	cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	2900		RE 2		0.43	0.85		0.19	452	0.89			95		21	Imperial	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	3020	3050	RE 6	70.6	0.36	1.08	0.25	0.17	454	1.25	0.13	1.12	86	2	14	Imperial		106L/2	This report	Jul-07	cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	3390		RE 2		0.25	0.55		0.18	468	0.83			66		21	Imperial	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	3430	3460	RE 6	70.5	0.27	0.82	0.25	0.52	469	1.05	0.17	0.88	78	131	50	Imperial		106L/2	This report	Jul-07	cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	3680		RE 2		0.22	0.43		0.14	467	0.93			46		15	Imperial	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	3700	3720	RE 6	70.7	0.27	0.64	0.29	0.23	454	1.25	0.09	1.16	51	8	18	Imperial		106L/2	This report	Jul-07	cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	4160	4190	RE 6	70.3	0.26	0.57	0.31	0.26	462	1.13	0.09	1.04	50	28	23	Imperial		106L/2	This report	Jul-07	cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	4180		RE 2		0.32	0.39		0.19	478	1.05			37		18	Imperial	Imperial	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	4450	4480	RE 6	70.0	0.14	0.40	0.26	0.26	485	0.75	0.07	0.68	53	44	35	Imperial		106L/2	This report	Jul-07	cuttings	884
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**4530**		**RE 2**		**0.14**	**0.16**		**0.19**	**503**	**0.78**			**20**		**24**	Canol	Canol	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**4530**		**RE 6**	**69.9**	**0.21**	**0.18**		**0.3**	**487**	**1.23**	**0.03**	**1.2**	**15**	**2**	**24**	Canol		**106L/2**	**2007: Rock Eval DB**	**01/06/2005**		**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**4570**		**RE 2**		**0.45**	**0.16**		**0.25**	**502**	**2.92**			**5**		**8**	Canol	Canol	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	Caribou Y.T. N-25	507812	7347570	4600		RE 2		0.61	0.37		0.21	521	3.42			10		6	Canol	Canol	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	4600		RE 6	70.6	0.62	0.45		0.33	592	3.09	0.1	2.99	16	10	11	Prongs Creek		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**4700**		**RE 2**		**0.44**	**0.13**		**0.18**	**458**	**2.46**			**5**		**7**	Canol	Canol	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	Caribou Y.T. N-25	507812	7347570	4700		RE 6	71.2	0.56	0.25		0.25	460	2.8	0.07	2.73	9	5	9	Prongs Creek		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	Caribou Y.T. N-25	507812	7347570	4800		RE 2		0.76	0.64		0.17	527	4.11			15		4	Canol	Canol	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	4800		RE 6	70	0.91	0.79		0.24	504	4	0.15	3.85	21	3	6	Prongs Creek		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	Caribou Y.T. N-25	507812	7347570	4890		RE 2		0.56	0.43		0.16	522	3.43			12		4	Canol	Canol	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	5000		RE 2		0.44	0.54		0.16	478	3.82			14		4	Canol	Canol	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	5000		RE 6	70.1	1.03	0.7		0.22	503	3.7	0.15	3.55	20	2	6	Prongs Creek		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	Caribou Y.T. N-25	507812	7347570	5100		RE 2		0.51	0.42		0.2	462	2.42			17		8	Canol	Canol	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	5100		RE 6	70.3	0.53	0.55		0.17	579	2.52	0.1	2.42	23	6	7	Prongs Creek		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	Caribou Y.T. N-25	507812	7347570	5200		RE 2		0.57	0.56		0.13	530	3.07			18		4	Road River	Canol	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	5300		RE 2		0.37	0.36		0.2	459	2.07			17		9	Road River	Road River	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	5300		RE 6	70.8	0.49	0.36		0.26	474	2.17	0.08	2.09	18	4	12	Road River		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**5600**		**RE 2**		**0.15**	**0.13**		**0.14**	**391**	**0.66**			**19**		**21**	Road River	Road River	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**5600**		**RE 6**	**70.5**	**0.17**	**0.16**		**0.2**	**575**	**0.65**	**0.03**	**0.62**	**26**	**2**	**31**	Road River		**106L/2**	**2007: Rock Eval DB**	**01/06/2005**		**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**5883**		**RE 2**		**0.03**	**0.01**		**0.09**	**305**	**0.15**			**6**		**60**	Road River	Road River	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**5883**		**RE 6**	**70.1**	**0.03**	**0.03**		**0.16**	**336**	**0.16**	**0.01**	**0.15**	**19**	**69**	**100**	Road River		**106L/2**	**2007: Rock Eval DB**	**01/06/2005**		**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**5940**		**RE 2**		**0.01**	**0**		**0.18**	**0**	**0.14**			**0**		**128**	Road River	Road River	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**5940**		**RE 6**	**70.6**	**0.02**	**0.09**		**0.18**	**408**	**0.13**	**0.02**	**0.11**	**69**	**177**	**138**	Road River		**106L/2**	**2007: Rock Eval DB**	**01/06/2005**		**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**6180**	**6210**	**RE 6**	**70.3**	**0.05**	**0.14**	**0.27**	**0.35**	**325**	**0.23**	**0.04**	**0.19**	**61**	**152**	**152**	Road River		**106L/2**	**This report**	**Jul-07**	**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**6600**		**RE 2**		**0.1**	**0.02**		**0.11**	**305**	**0.38**			**5**		**28**	Road River	Road River	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**6600**		**RE 6**	**70.8**	**0.12**	**0.04**		**0.23**	**353**	**0.38**	**0.01**	**0.37**	**11**	**3**	**61**	Road River		**106L/2**	**2007: Rock Eval DB**	**01/06/2005**		**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**6830**	**6860**	**RE 6**	**70.4**	**0.07**	**0.12**	**0.36**	**0.22**	**365**	**0.19**	**0.02**	**0.17**	**63**	**5**	**116**	Road River		**106L/2**	**This report**	**Jul-07**	**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**7200**		**RE 2**		**0.03**	**0.02**		**0.13**	**0**	**0.23**			**8**		**56**	Road River	Road River	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**7200**		**RE 6**	**70.5**	**0.04**	**0.04**		**0.24**	**337**	**0.23**	**0.01**	**0.22**	**17**	**22**	**104**	Road River		**106L/2**	**2007: Rock Eval DB**	**01/06/2005**		**884**
300N256620134450	Caribou Y.T. N-25	507812	7347570	7480	7510	RE 6	70.7	0.22	0.21	0.51	0.28	348	0.58	0.07	0.51	36	57	48	Road River (Landry Eq.)		106L/2	This report	Jul-07	cuttings	884
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**7900**		**RE 2**		**0.81**	**0.08**		**0.36**	**304**	**3.96**			**2**		**9**	Road River (Landry Eq.)	Road River	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**7900**		**RE 6**	**70.1**	**0.81**	**0.16**		**0.4**	**291**	**3.67**	**0.09**	**3.58**	**4**	**8**	**11**	Road River		**106L/2**	**2007: Rock Eval DB**	**01/06/2005**		**884**
300N256620134450	Caribou Y.T. N-25	507812	7347570	8030	8050	RE 6	50.6	0.50	0.37	0.57	0.78	304	4.51	0.10	4.41	8	1	17	Road River (Tatsieta Eq.)		106L/2	This report	Jul-07	cuttings	884
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**8100**		**RE 2**		**0.81**	**0.08**		**0.35**	**305**	**2.48**			**3**		**14**	Road River (Tatsieta Eq.)	Road River	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	Caribou Y.T. N-25	507812	7347570	8100		RE 6	70.9	0.91	0.2		0.41	297	2.26	0.1	2.16	9	11	18	Road River		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**8380**	**8410**	**RE 6**	**70.6**	**0.07**	**0.12**	**0.37**	**0.44**	**329**	**0.35**	**0.04**	**0.31**	**34**	**40**	**126**	Road River (Peel Eq.)		**106L/2**	**This report**	**Jul-07**	**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**8600**		**RE 2**		**0.95**	**0.07**		**0.36**	**304**	**4.02**			**1**		**8**	Mount Kindle	Road River	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**8600**		**RE 6**	**70.3**	**0.92**	**0.16**		**0.41**	**292**	**3.46**	**0.1**	**3.36**	**5**	**4**	**12**	Road River		**106L/2**	**2007: Rock Eval DB**	**01/06/2005**		**884**
300N256620134450	Caribou Y.T. N-25	507812	7347570	8690	8720	RE 6	50.1	0.57	0.41	0.58	0.40	334	3.50	0.10	3.40	12	2	11	Mount Kindle		106L/2	This report	Jul-07	cuttings	884
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**8800**		**RE 2**		**0.7**	**0.02**		**0.31**	**394**	**2.33**			**0**		**13**	Mount Kindle	Road River	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**8800**		**RE 6**	**69.9**	**0.76**	**0.14**		**0.35**	**293**	**2.22**	**0.08**	**2.14**	**6**	**6**	**16**	Road River		**106L/2**	**2007: Rock Eval DB**	**01/06/2005**		**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**9050**		**RE 2**		**0.22**	**0**		**0.24**	**0**	**0.68**			**0**		**35**	Mount Kindle	Road River	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**9050**		**RE 6**	**71**	**0.22**	**0.04**		**0.29**	**289**	**0.66**	**0.03**	**0.63**	**6**	**23**	**44**	Road River		**106L/2**	**2007: Rock Eval DB**	**01/06/2005**		**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**9200**		**RE 2**		**0.26**	**0**		**0.16**	**0**	**0.76**			**0**		**21**	Franklin Mountain	Road River	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**9200**		**RE 6**	**70.2**	**0.26**	**0.04**		**0.22**	**288**	**0.67**	**0.03**	**0.64**	**6**	**1**	**33**	Franklin Mountain		**106L/2**	**2007: Rock Eval DB**	**01/06/2005**		**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**9390**	**9410**	**RE 6**	**70.4**	**0.08**	**0.11**	**0.41**	**0.30**	**343**	**0.41**	**0.03**	**0.38**	**27**	**7**	**73**	Franklin Mountain		**106L/2**	**This report**	**Jul-07**	**cuttings**	**884**
300N256620134450	Caribou Y.T. N-25	507812	7347570	9600		RE 2		0.22	0.69		0.29	438	0.54			127		53	Franklin Mountain	Unnamed dolomite	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	9600		RE 6	70.7	0.16	0.75		0.31	434	0.52	0.08	0.44	144	33	60	Franklin Mountain		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**9880**	**9910**	**RE 6**	**70.8**	**0.04**	**0.06**	**0.39**	**0.31**	**414**	**0.38**	**0.02**	**0.36**	**16**	**18**	**82**	Franklin Mountain		**106L/2**	**This report**	**Jul-07**	**cuttings**	**884**
300N256620134450	Caribou Y.T. N-25	507812	7347570	10200		RE 2		0.11	0.42		0.22	437	0.41			102		53	Franklin Mountain	Unnamed dolomite	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	10200		RE 6	70.3	0.11	0.57		0.25	430	0.43	0.06	0.37	133	5	58	Franklin Mountain		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**11000**		**RE 2**		**0.03**	**0.03**		**0.25**	**428**	**0.36**			**8**		**69**	Franklin Mountain	Unnamed dolomite	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**11000**		**RE 6**	**70.3**	**0.04**	**0.1**		**0.28**	**428**	**0.43**	**0.02**	**0.41**	**23**	**21**	**65**	Franklin Mountain		**106L/2**	**2007: Rock Eval DB**	**01/06/2005**		**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**11200**		**RE 2**		**0.01**	**0.13**		**0.2**	**434**	**0.22**			**59**		**90**	Franklin Mountain	Unnamed dolomite	**106L/2**	**Feinstein et al., 1988**		**cuttings**	**884**
300N256620134450	Caribou Y.T. N-25	507812	7347570	11200		RE 6	70.4	0.01	0.2		0.26	430	0.24	0.02	0.22	83	58	108	Franklin Mountain		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**11240**		**RE 2**		**0**	**0.01**		**0.04**	**417**	**0.01**			**100**		**400**	Franklin Mountain		**106L/2**	**Snowdon, 1990; Snowdon and Williams, 1986**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**11260**		**RE 2**		**0.03**	**0.18**		**0.04**	**436**	**0.2**			**90**		**20**	Franklin Mountain		**106L/2**	**Snowdon, 1990; Snowdon and Williams, 1986**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**11280**		**RE 2**		**0.03**	**0**		**0.11**	**226**	**0.25**			**0**		**44**	Slats Creek		**106L/2**	**Snowdon, 1990; Snowdon and Williams, 1986**		**cuttings**	**884**
300N256620134450	**Caribou Y.T. N-25**	**507812**	**7347570**	**11290**		**RE 2**		**0.07**	**0**		**0.08**	**271**	**0.24**			**0**		**33**	Slats Creek		**106L/2**	**Snowdon, 1990; Snowdon and Williams, 1986**		**cuttings**	**884**

Table 1. Summary of previously determined and new Rock-Eval /TOC results for all 18 wells sampled in the Peel region of the Yukon. Sample formation is based on formation tops identified in Fraser and Hogue, 2007. Parameters are described in the Laboratory Methods Section. Those results that have TOC < 0.3% and S2 < 0.2 are identified with either yellow highlighting (low TOC) or a red font (low S2 parameter), respectively, or both.

Unique Well Identifier (UWI)	Well Name	UTM Easting (NAD 83)	UTM Northing (NAD 83)	Sample Depth From (F)	Sample Depth To (F)	Equipment Type	Qty (g)	S1 (mg/g rock)	S2 (mg/g rock)	Production Index (S1/ (S1+S2))	S3 (mg CO2/g rock)	Tmax (ºC)	TOC (wt. %)	PC (wt. %)	RC (%)	Hydrogen Index (mg HC/ g TOC)	Oxygen Index CO	Oxygen Index (mg CO2/ g TOC)	Formation	GSC OFR 1944 Formation	NTS	Reference	Completed	Sample Type	Yukon WID
300N256620134450	Caribou Y.T. N-25	507812	7347570	11300		RE 2		0.02	0		0.12	415	0.11			0		109	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11320		RE 2		0.03	0.09		0.11	436	0.2			45		55	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11340		RE 2		0.02	0		0.16	437	0.17			0		94	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11360		RE 2		0.01	0		0.1	440	0.12			0		83	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11360		RE 2		0.03	0.04		0.2	434	0.21			19		95	Slats Creek	Slats Creek	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11390		RE 2		0.04	0		0.07	439	0.09			0		78	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11400		RE 2		0.29	1.46		0.1	437	0.34			429		29	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11430		RE 2		0.05	0.24		0.15	434	0.13			184		115	Slats Creek	Slats Creek	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11430		RE 6	70.2	0.03	0.31		0.21	430	0.15	0.03	0.12	207	80	140	Proterozoic		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11440		RE 2		0.03	0.11		0.08	437	0.12			92		67	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11480		RE 2		0.26	0.14		0.05	353	0.24			58		21	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11510		RE 2		0.01	0.01		0.06	438	0.03			33		200	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11550		RE 2		0.03	0		0.07	442	0.06			0		117	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11600		RE 2		0.1	0.65		0.04	438	0.13			500		31	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11620		RE 2		0.03	0.22		0.05	411	0.06			367		83	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11640		RE 2		0.09	0.15		0.15	425	0.18			83		83	Slats Creek	Slats Creek	106L/2	Feinstein et al., 1988		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11640		RE 6	70.6	0.08	0.19		0.22	425	0.16	0.03	0.13	119	63	138	Proterozoic		106L/2	2007: Rock Eval DB	01/06/2005		884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11650		RE 2		0.06	0.01		0.04	297	0.09			11		44	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11690		RE 2		0.01	0		0.01	301	0.01			0		100	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11700		RE 2		0.01	0		0.01	358	0.01			0		100	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11720		RE 2		0.01	0		0.03	394	0.04			0		75	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11740		RE 2		0	0.01		0.01	223	0.03			33		33	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11760		RE 2		0.04	0		0.05	261	0.04			0		125	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11780		RE 2		0.03	0		0.02	435	0.05			0		40	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11790		RE 2		0.07	0.38		0.06	433	0.11			345		55	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
300N256620134450	Caribou Y.T. N-25	507812	7347570	11800		RE 2		0.01	0		0.05	387	0.02			0		250	Slats Creek		106L/2	Snowdon, 1990; Snowdon and Williams, 1986		cuttings	884
								Peel River N-77																	
300N776600134150	Peel River Y.T. N-77	523245	7313981	480	510	RE 6	71.1	0.58	0.78	0.43	0.34	436	1.71	0.13	1.58	46	2	20	Imperial		106E/15	This report	Jul-07	chips	919
300N776600134150	Peel River Y.T. N-77	523245	7313981	730	760	RE 6	70.8	0.71	0.36	0.66	0.55	296	3.33	0.14	3.19	11	19	17	Road River (Hume Eq.)		106E/15	This report	Jul-07	chips	919
300N776600134150	Peel River Y.T. N-77	523245	7313981	950	980	RE 6	70.3	1.50	2.00	0.43	0.31	466	4.16	0.33	3.83	48	12	7	Road River (Hume Eq.)		106E/15	This report	Jul-07	chips	919
300N776600134150	Peel River Y.T. N-77	523245	7313981	1330	1360	RE 6	70.6	2.91	3.08	0.49	0.29	414	3.51	0.53	2.98	88	12	8	Road River (Hume Eq.)		106E/15	This report	Jul-07	chips	919
								Peel River 2B-06A																	
302B066640134450	Peel R Y.T. 2B-06	510521	7385228	150	180	RE 6	70.7	0.25	2.86	0.08	0.95	424	1.83	0.34	1.49	156	47	52	Arctic Red		106L/10	This report	Jul-07	cuttings	967
302B066640134450	Peel R Y.T. 2B-06	510521	7385228	490	520	RE 6	70.5	0.11	0.83	0.12	0.60	431	1.03	0.12	0.91	81	41	58	Arctic Red		106L/10	This report	Jul-07	cuttings	967
302B066640134450	Peel R Y.T. 2B-06	510521	7385228	810	840	RE 6	70.0	0.17	1.21	0.13	0.93	429	1.19	0.19	1.00	102	74	78	Arctic Red		106L/10	This report	Jul-07	cuttings	967
302B066640134450	Peel R Y.T. 2B-06	510521	7385228	1110	1140	RE 6	70.2	0.09	1.18	0.07	0.99	423	1.02	0.19	0.83	116	115	97	Tuttle		106L/10	This report	Jul-07	cuttings	967
302B066640134450	Peel R Y.T. 2B-06	510521	7385228	1590	1620	RE 6	70.0	0.37	2.88	0.12	0.76	425	1.65	0.36	1.29	175	85	46	Tuttle		106L/10	This report	Jul-07	cuttings	967
302B066640134450	Peel R Y.T. 2B-06	510521	7385228	1890	1920	RE 6	70.8	0.16	1.42	0.10	0.55	432	1.04	0.19	0.85	137	88	53	Tuttle		106L/10	This report	Jul-07	cuttings	967
302B066640134450	Peel R Y.T. 2B-06	510521	7385228	2220	2250	RE 6	70.4	0.21	2.22	0.09	0.40	434	0.98	0.24	0.74	227	35	41	Tuttle		106L/10	This report	Jul-07	cuttings	967
302B066640134450	Peel R Y.T. 2B-06	510521	7385228	2540	2570	RE 6	70.7	0.26	1.94	0.12	0.87	429	1.59	0.30	1.29	122	123	55	Tuttle		106L/10	This report	Jul-07	cuttings	967
302B066640134450	Peel R Y.T. 2B-06	510521	7385228	2860	2890	RE 6	70.0	0.28	2.45	0.10	0.52	434	1.66	0.28	1.38	148	42	31	Tuttle		106L/10	This report	Jul-07	cuttings	967
302B066640134450	Peel R Y.T. 2B-06	510521	7385228	3170	3200	RE 6	71.0	0.35	2.68	0.12	0.46	437	1.76	0.34	1.42	152	82	26	Tuttle		106L/10	This report	Jul-07	cuttings	967
302B066640134450	Peel R Y.T. 2B-06	510521	7385228	3470	3490	RE 6	70.3	4.11	7.92	0.34	0.54	428	3.05	1.04	2.01	260	12	18	Tuttle		106L/10	This report	Jul-07	cuttings	967

Table 2. Rock-Eval/TOC interpretative guidelines (modified from Peters et al., 2005). For details on parameters see Laboratory Methods section.

Source rock generative potential			
Quality	Total Organic Carbon (wt.%)	S1 (mg HC/g rock)	S2 (mg HC/g rock)
poor	<0.5	<0.5	<2.5
fair	0.5-1	0.5-1	2.5-5
good	1-2	1-2	5-10
very good	2-4	2-4	10-20
excellent	>4	>4	>20
Type of hydrocarbon generated			
Kerogen	Hydrogen Index (mg HC/g TOC)	S2/S3	Main product at peak maturity
I	>600	>15	oil
II	300-600	10-15	oil
II/III	200-300	5-10	oil/gas
III	50-200	1-5	gas
IV	<50	<1	none
Level of thermal maturation			
Maturation	Tmax (ºC)	Ro(%)	
Immature	<435	0.20-0.60	
top of oil window	~435-445*	0.60-0.65	
bottom of oil window	~470	1.35	
Postmature	>470	>1.35	
	*varies with type of organic matter		

Table 3. Summary of previously determined vitrinite reflectance data. See Table 2 for well locations. Sample formation is based on formation tops identified in Fraser and Hogue, 2007. Geochem Labs Canada Ltd., 1977 = Geochem Laboratories Canada Ltd. and Applied Geoscience and Technology (AGAT) Consultants Ltd. 1977. Lower Mackenzie Energy Corridor Study. Canadian Oil and Gas Lands Administration File Number 051-04-06-001.

Unique Well Idenitifier (UWI)	Well Name	Depth (F)	VRo%	Mean Reflectance (%)	VRo% Equivalent	Formation	Source Type	Reference	Tmax (ºC) Calculated
300A426550133000	Cranswick Y.T. A-42	500	0.61			Arctic Red	cuttings	Geochem Labs Canada Ltd., 1977; Feinstein et al., 1988	432
300A426550133000	Cranswick Y.T. A-42	2500	1.15			Arctic Red	cuttings	Geochem Labs Canada Ltd., 1977	462
300A426550133000	Cranswick Y.T. A-42	2500	1.12			Martin House	cuttings	Feinstein et al., 1988	460
300A426550133000	Cranswick Y.T. A-42	3800	1.92			Tuttle	cuttings	Geochem Labs Canada Ltd., 1977	504
300A426550133000	Cranswick Y.T. A-42	4200	2.14			Tuttle	cuttings	Geochem Labs Canada Ltd., 1977	517
300A426550133000	Cranswick Y.T. A-42	4900	2.13			Tuttle	cuttings	Geochem Labs Canada Ltd., 1977	516
300A426550133000	Cranswick Y.T. A-42	6100	2.45			Tuttle	cuttings	Geochem Labs Canada Ltd., 1977	534
300A426550133000	Cranswick Y.T. A-42	7000	2.97			Canol	cuttings	Geochem Labs Canada Ltd., 1977	563
300A426550133000	Cranswick Y.T. A-42	7000	1.92			Canol	cuttings	Feinstein et al., 1988	504
300A426550133000	Cranswick Y.T. A-42	7080	2.15			Canol	cuttings	Feinstein et al., 1988	517
300N256620134450	Caribou Y.T. N-25	480	0.49			Tuttle	cuttings	Feinstein et al., 1988	425
300N256620134450	Caribou Y.T. N-25	500	0.66			Tuttle	cuttings	Geochem Labs Canada Ltd., 1977	434
300N256620134450	Caribou Y.T. N-25	500	0.57			Tuttle	cuttings	Feinstein et al., 1988	429
300N256620134450	Caribou Y.T. N-25	700	0.50			Imperial	cuttings	Feinstein et al., 1988	426
300N256620134450	Caribou Y.T. N-25	900	0.53			Imperial	cuttings	Feinstein et al., 1988	427
300N256620134450	Caribou Y.T. N-25	1050	0.56			Imperial	cuttings	Feinstein et al., 1988	429
300N256620134450	Caribou Y.T. N-25	1470	0.59			Imperial	cuttings	Feinstein et al., 1988	431
300N256620134450	Caribou Y.T. N-25	1500	0.65			Imperial	cuttings	Geochem Labs Canada Ltd., 1977	434
300N256620134450	Caribou Y.T. N-25	1500	0.60			Imperial	cuttings	Feinstein et al., 1988	431
300N256620134450	Caribou Y.T. N-25	1770	0.58			Imperial	cuttings	Feinstein et al., 1988	430
300N256620134450	Caribou Y.T. N-25	2100	0.61			Imperial	cuttings	Feinstein et al., 1988	432
300N256620134450	Caribou Y.T. N-25	2500	0.72			Imperial	cuttings	Feinstein et al., 1988	438
300N256620134450	Caribou Y.T. N-25	2900	0.73			Imperial	cuttings	Feinstein et al., 1988	438
300N256620134450	Caribou Y.T. N-25	3390	1.00	1.26	1.18	Imperial	cuttings	Feinstein et al., 1988	453
300N256620134450	Caribou Y.T. N-25	3500	1.40			Imperial	cuttings	Geochem Labs Canada Ltd., 1977; Feinstein et al., 1988	476
300N256620134450	Caribou Y.T. N-25	3680	1.10	1.31	1.21	Imperial	cuttings	Feinstein et al., 1988	459
300N256620134450	Caribou Y.T. N-25	4100	1.65			Imperial	cuttings	Geochem Labs Canada Ltd., 1977; Feinstein et al., 1988	489
300N256620134450	Caribou Y.T. N-25	4180	1.19	1.35	1.23	Imperial	cuttings	Feinstein et al., 1988	464
300N256620134450	Caribou Y.T. N-25	4570	1.30			Imperial	cuttings	Feinstein et al., 1988	470
300N256620134450	Caribou Y.T. N-25	4800	1.22			Imperial	cuttings	Geochem Labs Canada Ltd., 1977	466
300N256620134450	Caribou Y.T. N-25	4890	1.56			Road River (Hume eq.)	cuttings	Feinstein et al., 1988	484
300N256620134450	Caribou Y.T. N-25	5200	1.45			Road River (Hume eq.)	cuttings	Geochem Labs Canada Ltd., 1977	478
300N256620134450	Caribou Y.T. N-25	5200	1.69			Road River (Hume eq.)	cuttings	Feinstein et al., 1988	492
300N256620134450	Caribou Y.T. N-25	5600	1.69			Road River (Landry eq.)	cuttings	Feinstein et al., 1988	492
300N256620134450	Caribou Y.T. N-25	5883	1.68			Road River (Landry eq.)	cuttings	Feinstein et al., 1988	491
300N256620134450	Caribou Y.T. N-25	6600		1.13	1.00	Road River (Landry eq.)	cuttings	Feinstein et al., 1988	
300N256620134450	Caribou Y.T. N-25	7200	1.91			Road River (Landry eq.)	cuttings	Feinstein et al., 1988	504

Table 3. Summary of previously determined vitrinite reflectance data. See Table 2 for well locations. Sample formation is based on formation tops identified in Fraser and Hogue, 2007. Geochem Labs Canada Ltd., 1977 = Geochem Laboratories Canada Ltd. and Applied Geoscience and Technology (AGAT) Consultants Ltd. 1977. Lower Mackenzie Energy Corridor Study. Canadian Oil and Gas Lands Administration File Number 051-04-06-001.

Unique Well Idenitifier (UWI)	Well Name	Depth (F)	VRo%	Mean Reflectance (%)	VRo% Equivalent	Formation	Source Type	Reference	Tmax (ºC) Calculated
300N256620134450	Caribou Y.T. N-25	7900	2.03	2.38	1.87	Road River (Landry eq.)	cuttings	Feinstein et al., 1988	511
300N256620134450	Caribou Y.T. N-25	8000	2.41			Road River (Landry eq.)	cuttings	Geochem Labs Canada Ltd., 1977	532
300N256620134450	Caribou Y.T. N-25	8600	2.02	2.52	1.96	Mount Kindle	cuttings	Feinstein et al., 1988	510
300N256620134450	Caribou Y.T. N-25	8700	2.50			Mount Kindle	cuttings	Geochem Labs Canada Ltd., 1977	537
300N256620134450	Caribou Y.T. N-25	9200		2.85	2.16	Franklin Mountain	cuttings	Feinstein et al., 1988	
300N256620134450	Caribou Y.T. N-25	9600		2.94	2.22	Franklin Mountain	cuttings	Feinstein et al., 1988	
300N256620134450	Caribou Y.T. N-25	10200	2.54			Franklin Mountain	cuttings	Geochem Labs Canada Ltd., 1977	539
300N256620134450	Caribou Y.T. N-25	11000		3.63	2.64	Franklin Mountain	cuttings	Feinstein et al., 1988	
300N256620134450	Caribou Y.T. N-25	11000		3.01	2.26	Franklin Mountain	cuttings	Feinstein et al., 1988	
300K156600133000	Taylor Lake Y.T. K-15	4330	1.27			Canol	cuttings	Feinstein et al., 1988	468
300K156600133000	Taylor Lake Y.T. K-15	4450	1.42			Canol	cuttings	Feinstein et al., 1988	477
300F376700134450	Peel Y.T. F-37	300	0.55			Cretaceous	cuttings	Geochem Labs Canada Ltd., 1977; Feinstein et al., 1988	428
300F376700134450	Peel Y.T. F-37	1500	0.61			Tuttle	cuttings	Geochem Labs Canada Ltd., 1977; Feinstein et al., 1988	432
300F376700134450	Peel Y.T. F-37	3000	0.63			Tuttle	cuttings	Geochem Labs Canada Ltd., 1977; Feinstein et al., 1988	433
300F376700134450	Peel Y.T. F-37	4600	0.84			Imperial	cuttings	Geochem Labs Canada Ltd., 1977; Feinstein et al., 1988	444
300F376700134450	Peel Y.T. F-37	4600	0.82			Imperial	cuttings	Feinstein et al., 1988	443
300F376700134450	Peel Y.T. F-37	6200	1.31			Imperial	cuttings	Geochem Labs Canada Ltd., 1977; Feinstein et al., 1988	471
300F376700134450	Peel Y.T. F-37	7500	1.48			Canol	cuttings	Geochem Labs Canada Ltd., 1977	480
300M696610133450	Peel River Y.T. M-69	7540	3.37			Canol	cuttings	Feinstein et al., 1988	585
300H376640134450	Trail River Y.T. H-37	8880	1.87			Hume	cuttings	Feinstein et al., 1988	502
300C606650133450	Arctic Red Y.T. C-60	5400	1.12			Canol	cuttings	Feinstein et al., 1988	460
300C606650133450	Arctic Red Y.T. C-60	5480	1.18			Canol	cuttings	Feinstein et al., 1988	463