

Stratigraphic Sections Examined for Phosphate in Alberta

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Introduction

This openfile report is a listing of all stratigraphic sections used in compiling the Alberta Geological Survey's Report on "Geology and Resource Potential of Phosphates in Alberta". All of the stratigraphic details, natural radiation measurements taken with a gamma-ray spectrometer and chemical analyses available appear for each section. Chemical analysis are available for the elements; phosphorous - as P2O5, vanadium - as V ppm and uranium - as U ppm.

For the most part the data is self-explanatory with all of the information in stratigraphic order: youngest at the top of the page, oldest at the bottom. Each line of data represents a described portion of the section.

Guide to the Raw Data

The following header appears above each stratigraphic section and a series of notes has been compiled to explain each of the headings. Figures 1, 2, 3, 4 provide nomenclature definition within the various formations listed - in their presumed time/stratigraphic position.

EXSHAW FORMATION SECTIONS

STRATIGRAPHIC SECTION: MISSING

REFERENCE:⁹ Alberta Geological Survey
LOCALITY NAME:¹⁰
NTS MAPSHEET:¹¹

LATITUDE/LONGITUDE-PRESENT:¹²
LATITUDE/LONGITUDE-PALINSPASTIC:¹²
DATUM USED:¹³

FORMATION ¹	STRATIGRAPHIC UNIT ²	THICKNESS ³	LITHOLOGY ⁴	LITHOLOGY MODIFIER ⁵	WEATHERED COLOR ⁶	FRESH COLOR ⁶	SAMPLE TYPE ⁷	TOTAL COUNT ⁸ (CPS)	P ₂ O ₅ (%)	V (PPM)	U (PPM)
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Note 3. Thickness

All thicknesses are in metres.

Note 4. Lithology

Lithologic translations are as follows:

SH -	shale	PHOS -	phosphorite
SS -	sandstone	LS -	limestone
SLTST -	siltstone	CHT -	chert
CGL -	conglomerate	DOL -	dolomite
BRCH -	breccia	COVRD -	covered interval
MDST -	mudstone	IRST -	ironstone
GYP -	gypsum	COAL -	coal
SALT -	salt	ANHY -	anhydrite
BENT -	Bentonite	QZT -	quartzite

Note 5. Lithology Modifiers

Lithologic modifiers are strung together, separated by a dash (-), these are:

Phosphate

PT -	phosphatic	PN -	phosphate nodules
PP -	phosphate present	PI -	finely disseminated phosphate
PB -	phosphate pebbles	PAB -	phosphate at base of bed
POO -	phosphate oolites	BM -	bluish blume present
PQ -	phosphate pellets	NP -	non-phosphatic
PC -	phosphate cement		

Cements and Accessory Minerals

CAL -	calcareous	P -	pyrite
NC -	noncalcareous	PVG -	pyrite vugs
CW -	weakly calcareous	MAG -	magnetite
VI -	calcite veins	QZC -	quartzite
CD -	calcite knots	HEM -	hematite
D -	dolomite	LI -	limonite
SIL -	silicious	FU -	fluorite
CH -	cherty	MR -	marcasite
G -	gypsum	CAR -	carbonaceous
GK -	gypsum knots	IN -	ironstone concretions
GL -	glaucanite	SILC -	siliceous/chert concretions
ARK -	arkosic	MXC -	mudstone concretions
LSC -	limestone concretions		

Grain Size

CO - cobbles or greater
 PE - pebble size
 CG - coarse grained
 MG - medium grained
 FG - fine grained
 V - very fine grained
 SW - well sorted
 SBR - subrounded

MEX - medium crystalline
 FX - finely crystalline
 A - aphanitic
 MCRX - microcrystalline
 CRX - cryptocrystalline
 SPR - poorly sorted
 WR - well rounded

Weathering Characteristics

VH - very hard
 E - elipsoid weathered
 CP - poorly cemented
 FR - friable
 WI - well indurated
 RW - rusty weathered
 PX - poorly exposed
 RS - slightly resistant
 RECS - slightly recessive
 POR - porous

SWB - spheroidal weathered
 boulders
 HB - hard bands
 OX - iron oxide staining
 YS - yellow (jarosite?)
 staining
 WF - flaggy weathered
 R - resistant
 REC - recessive
 HAK - hackly
 BL - blocky

Bedding

M - massive (>100cm)
 TKB - thickly (30 to 100 cm)
 MB - medium (10 to 30 cm)
 TH - thin (5 to 10 cm)
 VTH - very thin (1.25 to 5cm)
 PL - platy (0.16 to 1.25 cm)
 FS - fissile (<0.16 cm)
 SLK - slickensides
 SF - slight folding
 INF - intense folding
 SLD - stumped
 TT - thickening and thinning
 of beds

SSI - sandstone interbedded
 SII - siltstone interbedded
 SHI - shale interbedded
 MSI - mudstone interbedded
 CHI - chert interbedded
 IRI - ironstone interbedded
 LSI - limestone interbedded
 DOI - dolomite interbedded
 PO - pinched out beds
 FAU - faulted
 L - laminated
 FL - finely laminated

Sedimentary Structures

N - nodules
 VG - vugs
 BL - blebs
 SR - stringers
 OOL - oolitic
 CON - concretions
 CIC - cone-in-cone
 CF - cut and fill

FR - flow rolls
 RR - ripples
 SLST - soft sediment
 structures
 XB - cross bedded
 FXL - finely cross-laminated
 AL - algal laminations
 RRS - wave ripples
 RRA - current ripples

LC - load casts
SSL - sandstone lenses
DK - sandstone dyke
BR - brecciated

EC - erosional channels
TC - graded bedding
CGL - conglomeratic
CB - conglomerate at base

Biogenic Features

FF - fossiliferous
HZB - horizontal burrows
F - fish remains

BT - bioturbated
FI - fossil invertebrates
TK - undifferentiated tracks

B - bone remains
BE - belemnites
PR - plant remains

ZC - Zoophycus casts
VB - vertical burrows

Nature of Contact

UP - uppermost bedding plane pitted and irregular
SC - straight lower contacts
GRC - gradational contacts
WCO - wavy contact with above rocks
CU - lower contact nature uncertain
WBP - wavy bedding planes
WC - wavy contact with underlying rocks

Miscellaneous

SP - shale partings(s)
SSR - sandstone stringers
BCGL - breccio-conglomerate
MS - mudstone
NM - not measured

RXF - rock fragments
Z - argillaceous
SI - silty
AR - arenaceous

J - questionable, uncertain interval
F - "float" material, origin uncertain
Y - suffix after any other modifier indicates that the modifier is a minor component

Note 6. Color

Fresh and weathered colors are those outlined on the 1979-GSA Rock Color Chart. Translation of number-letter scheme as follows:

<u>Munsell code</u>	<u>Description</u>
N4	medium dark gray
N2	grayish black
5Y8/1	yellowish gray
N3	dark gray
5Y8/4	grayish yellow
10R3/4	dark reddish brown
5Y6/1	light olive gray
10YR6/6	dark yellowish orange
10R4/6	moderate reddish brown
N8	very light gray
N5	medium gray
10YR4/2	dark yellowish brown
N7	light gray
N6	medium light gray
5Y2/1	olive black
5Y7/2	yellowish gray
10YR5/4	moderate yellowish brown
5Y6/4	dusky yellow
N1	black
10YR8/6	pale yellowish orange
5B7/1	light bluish gray
5Y4/1	olive gray
10YR6/2	pale yellowish brown
10YR2/2	dusky yellowish brown
5PB3/2	dusky blue
5YR2/1	brownish black
5Y5/2	light olive gray
10YR7/4	grayish orange
5R8/2	grayish pink
5BG3/2	dusky blue green
N9	white
5YR3/4	moderate brown
5PB7/2	pale blue
5PB5/2	grayish blue
5R4/2	grayish red
5R6/2	pale red
10R7/4	moderate orange pink
5YR8/1	pinkish gray
5B5/1	medium bluish gray
5YR4/1	brownish gray
5P6/2	pale purple
5B9/1	bluish white
10YR8/2	very pale orange
5YR3/2	grayish brown
5YR6/4	light brown

5GY6/1	greenish gray
10Y7/4	moderate greenish yellow
5Y7/6	moderate yellow
10Y8/2	pale greenish yellow
5Y2/2	dusky brown
10R5/2	pale brown
5R3/4	dusky red
5G8/1	light greenish gray
5RP4/2	grayish red purple
5B8/2	very pale blue
5YR4/4	moderate brown
10R4/2	grayish red
5GY7/2	grayish yellow green
5R2/6	very dark red
5YR5/6	light brown
5R6/6	light red
10Y6/2	pale olive

Note 7. Sample Type

Samples collected were either:

- Chip: Series of rock chips collected over the represented interval at roughly equal intervals,
- Grab: Single representative samples collected for entire interval,
- Nod: Nodule samples.

Note 8. Total Count

Natural radiation, measurements were made with a gamma-ray spectrometer, all in counts/second.

Note 9. Reference

Source of data for stratigraphic section, see bibliography

Note 10. Locality Name

Name of section based on nearest geographical landmark

Note 11. NTS Mapsheet

National Topographic System mapsheet wherein the section may be found.

Note 12. Lat/Long

Latitude and Longitude, all north latitudes in degrees and minutes, west of the Prime Meridian.

Minutes expressed to the nearest quarter of a minute e.g. 52 1625 116 5950 equals: 52 degrees 16 and one quarter minutes latitude, 116 degrees 59 and one half minutes longitude.

Note 13. Datum Used

Stratigraphic horizon or contact upon which the section was measured from: "+" indicates section started from top of indicated formation or horizon and a "-" indicates section started from the base.

- MISN - Mississippian strata undifferentiated
- SULF - Sulphur Mountain Formation
- WHHO - Whitehorse Formation
- NIKA - Nikanassin Formation
- RYMT - Rocky Mountain Supergroup
- KOOT - Kootney Formation
- PALR - Palliser Formation
- FERN - Fernie Group

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 405

REFERENCE: First Nuclear Corp.-1981
 LOCALITY NAME: Cabin Creek
 NTS MAPSHEET: 82G2E

LATITUDE/LONGITUDE-PRESENT: 49 0500 114 3425
 LATITUDE/LONGITUDE-PALINSPASTIC:
 DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	0.25	SH	TH-CAL			CHIP		0.07		
FERNIE	PAPER SH	0.25	SH	TH-CAL-REC			CHIP		0.05		9.1
FERNIE	PAPER SH	0.25	SH	TH-CAL-REC			CHIP		0.24	100	42.1
FERNIE	PAPER SH	0.25	SH	TH-CAL-REC			CHIP		0.53	100	8.3
FERNIE	PAPER SH	0.25	SH				CHIP		0.49	100	5.4
FERNIE	PAPER SH	0.25	SH				CHIP		0.95	100	8.6
FERNIE	PAPER SH	0.25	SH				CHIP		0.78	100	10.3
FERNIE	PAPER SH	0.25	SH				CHIP		0.58	100	11.9
FERNIE	PAPER SH	0.25	SH				CHIP		0.40	100	10.5
FERNIE	PAPER SH	0.25	SH				CHIP		0.46	100	9.4
FERNIE	PAPER SH	0.25	SH				CHIP		0.30	100	12.6
FERNIE	PAPER SH	0.25	SH				CHIP		0.24	100	10.3
FERNIE	TOAR PHOS	0.25	SH				CHIP		0.26	100	7.0
FERNIE	PAPER SH	0.25	PHOS	FR			CHIP		2.21	200	24.2
FERNIE	PAPER SH	0.25	PHOS	FR			CHIP		0.14	100	15.3
FERNIE	PAPER SH	0.25	PHOS	FR			CHIP		0.32	100	20.2
FERNIE	PAPER SH	0.25	PHOS	FR			CHIP		0.23	100	13.9
FERNIE	PAPER SH	0.25	PHOS	FR			CHIP			100	20.5
FERNIE	PAPER SH	0.25	PHOS	FR			CHIP		0.23	100	11.0
FERNIE	PAPER SH	0.25	SH	TH			CHIP		0.20	100	19.3
FERNIE	BFP PELL	0.25	PHOS	CAL			CHIP		0.10	100	24.8
FERNIE	BFP PELL	0.25	PHOS	CAL			CHIP		31.65	100	157.7
FERNIE	BFP PELL	0.25	PHOS	CAL			CHIP		31.33	100	71.9
FERNIE	BFP PELL	0.25	PHOS	CAL			CHIP		31.29	100	103.5
FERNIE	BFP PELL	0.25	PHOS	CAL			CHIP		31.32	100	80.3
FERNIE	BFP PELL	0.25	MDST				CHIP		30.60	100	66.3
FERNIE	BFP PELL	0.25	COVRD				CHIP		30.14	100	157.7
FERNIE	BFP PELL	0.25	COVRD				CHIP		28.74	100	59.4
FERNIE	BFP PELL	0.25	COVRD				CHIP		22.77	100	68.3

FERNIE	BFP PELL	0.25	COVRD	
FERNIE	BFP PELL	0.25	COVRD	
FERNIE	BFP PELL	0.25	COVRD	
FERNIE	BFP PELL	0.25	COVRD	
SULFM		0.25	LS	SHI

CHIP	15.77	100	57.7
CHIP	12.76	100	32.0
CHIP	6.33		54.3
CHIP	4.03		28.6
CHIP	0.65		20.3

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 406

REFERENCE: First Nuclear Corp.-1981
 LOCALITY NAME: Cabin Creek-North
 NTS MAPSHEET: 82G2E

LATITUDE/LONGITUDE-PRESENT: 49 0700 114 4150
 LATITUDE/LONGITUDE-PALINSPASTIC:
 DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	0.25	SH				CHIP	0.55		100	10.4
FERNIE	PAPER SH	0.25	SH				CHIP	0.35		200	8.1
FERNIE	PAPER SH	0.25	SH				CHIP	0.43		200	7.5
FERNIE	PAPER SH	0.25	SH				CHIP	0.46		200	15.4
FERNIE	TOAR PHOS	0.25	SH				CHIP	1.21		200	16.9
FERNIE	PAPER SH	0.25	SH				CHIP	0.40		100	10.4
FERNIE	PAPER SH	0.25	SH				CHIP	0.20		100	5.9
FERNIE	PAPER SH	0.25	SH				CHIP	0.35		100	16.9
FERNIE	BFP PELL	0.25	SH	TH			CHIP	5.88		500	62.7
FERNIE	BFP PELL	0.25	PHOS				CHIP	21.34		300	110.2
FERNIE	BFP PELL	0.25	SH				CHIP	13.13		100	37.3
FERNIE	BFP PELL	0.25	PHOS				CHIP	13.00		100	31.3
FERNIE	BFP PELL	0.25	PHOS				CHIP	29.03			58.8
FERNIE	BFP PELL	0.25	PHOS				CHIP	26.78		100	46.8
FERNIE	BFP PELL	0.25	SH	TH			CHIP	12.35		100	18.4
FERNIE	BFP PELL	0.25	SH	TH			CHIP	9.71		100	33.5
SULFM		0.25	LS				CHIP	0.92			8.8

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 407

REFERENCE: First Nuclear Corp.-1981
 LOCALITY NAME: Bighorn Creek
 NTS MAPSHEET: 82G2E
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

LATITUDE/LONGITUDE-PRESENT: 49 0700 114 4600
 LATITUDE/LONGITUDE-PALINSPASTIC:
 DATUM USED: +SULM

FORMATION STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE PAPER SH	0.25	SH	TH			CHIP	0.50	300	17.1	
FERNIE PAPER SH	0.25	SH	TH			CHIP	0.94	200	16.9	
FERNIE TOAR PHOS	0.25	SH	TH			CHIP	1.83	200	16.1	
FERNIE PAPER SH	0.25	SH	TH			CHIP	0.66	200	25.9	
FERNIE PAPER SH	0.25	SH	TH			CHIP	0.63	200	43.6	
FERNIE PAPER SH	0.25	SH	TH			CHIP	0.77	200	29.0	
FERNIE PAPER SH	0.25	SH	TH			CHIP	0.54	200	41.8	
FERNIE PAPER SH	0.25	SH	TH			CHIP	0.70	200	39.9	
FERNIE TOAR PHOS	0.25	SH	TH			CHIP	0.57	200	55.5	
FERNIE TOAR PHOS	0.25	SH				CHIP	2.06	200	45.7	
FERNIE TOAR PHOS	0.25	SH				CHIP	5.82	400	92.4	
FERNIE TOAR PHOS	0.24	SH				CHIP	4.34	200	94.9	
FERNIE TOAR BENT	0.01	BENT				CHIP	7.69	300	99.2	
FERNIE TOAR PHOS	0.25	SH				CHIP	8.35	700	172.1	
FERNIE TOAR PHOS	0.25	SH				CHIP	3.47	300	101.7	
FERNIE TOAR PHOS	0.25	SH	SSI			CHIP	7.83	600	129.7	
FERNIE TOAR PHOS	0.25	SH				CHIP	8.58	800	192.5	
FERNIE TOAR PHOS	0.25	SH				CHIP	2.37	300	84.8	
FERNIE TOAR PHOS	0.25	SH				CHIP	3.94	800	129.7	
FERNIE SINEM	0.25	SH				CHIP	1.94	700	63.3	
FERNIE SINEM	0.25	SH				CHIP	2.80	800	81.3	
FERNIE SINEM	0.25	SH	TH			CHIP	1.94	600	73.7	
FERNIE SINEM	0.25	SH	TH			CHIP	1.93	600	72.3	
FERNIE SINEM	0.25	SH	TH			CHIP	1.04	500	116.2	
FERNIE SINEM	0.25	SH	TH			CHIP	0.89	400	72.8	
FERNIE SINEM	0.25	SH	TH			CHIP	1.31	700	72.5	
FERNIE BFP PELL	0.25	SH	TH			CHIP	4.17	700	116.2	
FERNIE BFP PELL	0.25	SH				CHIP	12.78	700	98.4	

FERNIE	BFP PELL	0.25	SH	
FERNIE	BFP PELL	0.25	SH	
FERNIE	BFP PELL	0.25	SH	
FERNIE	BFP PELL	0.25	SH	
FERNIE	BFP PELL	0.25	SH	
FERNIE	BFP PELL	0.25	PHOS	SI
FERNIE	BFP PELL	0.25	PHOS	SI
FERNIE	BFP PELL	0.25	PHOS	SI
FERNIE	BFP PELL	0.25	PHOS	SI
FERNIE	BFP PELL	0.25	PHOS	SI
FERNIE	BFP PELL	0.25	PHOS	CAL
FERNIE	BFP PELL	0.25	PHOS	CAL
FERNIE	BFP PELL	0.25	PHOS	CAL
SULFM		0.25	SS	HEM

CHIP	4.59	800	106.8
CHIP	3.26	800	112.1
CHIP	4.11	700	116.2
CHIP	4.75	800	110.2
CHIP	12.40	600	129.7
CHIP	5.37	200	77.8
CHIP	24.32	100	150.0
CHIP	24.31	100	146.7
CHIP	22.70	100	169.6
CHIP	16.66	100	135.7
CHIP	9.94	200	155.2
CHIP	9.05	200	172.1
CHIP	6.33	200	295.1
CHIP	1.18	100	129.7

FERNIE GROUP SECTIONS

STRATIGRAPHIC SECTION: 408

REFERENCE: First Nuclear Corp.-1981

LOCALITY NAME: Cabin Creek-West

NTS MAPSHEET: 82G2E

LATITUDE/LONGITUDE-PRESENT: 49 0750 114 4000

LATITUDE/LONGITUDE-PALINSPASTIC:

DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	BFP PELL	0.25	SH				CHIP	2.98		300	13.4
FERNIE	BFP PELL	0.25	SH				CHIP	3.60		300	60.2
FERNIE	BFP PELL	0.25	SH				CHIP	3.24		300	17.8
FERNIE	BFP PELL	0.25	SH				CHIP	20.79		200	78.6
FERNIE	BFP PELL	0.25	SH				CHIP	16.54		200	45.0
FERNIE	BFP PELL	0.25	PHOS				CHIP	4.19		100	17.8
FERNIE	BFP PELL	0.25	PHOS	SI			CHIP	28.06		100	69.7
FERNIE	BFP PELL	0.25	PHOS				CHIP	26.74		100	49.8
FERNIE	BFP PELL	0.25	PHOS	SI			CHIP	13.46		100	22.7
FERNIE	BFP PELL	0.25	PHOS	CAL			CHIP	8.88		100	29.3
FERNIE	BFP PELL	0.25	PHOS	CAL			CHIP	2.89			17.6
SULFM		0.00	LS	VI			CHIP				

EXSHAW FORMATION SECTIONS

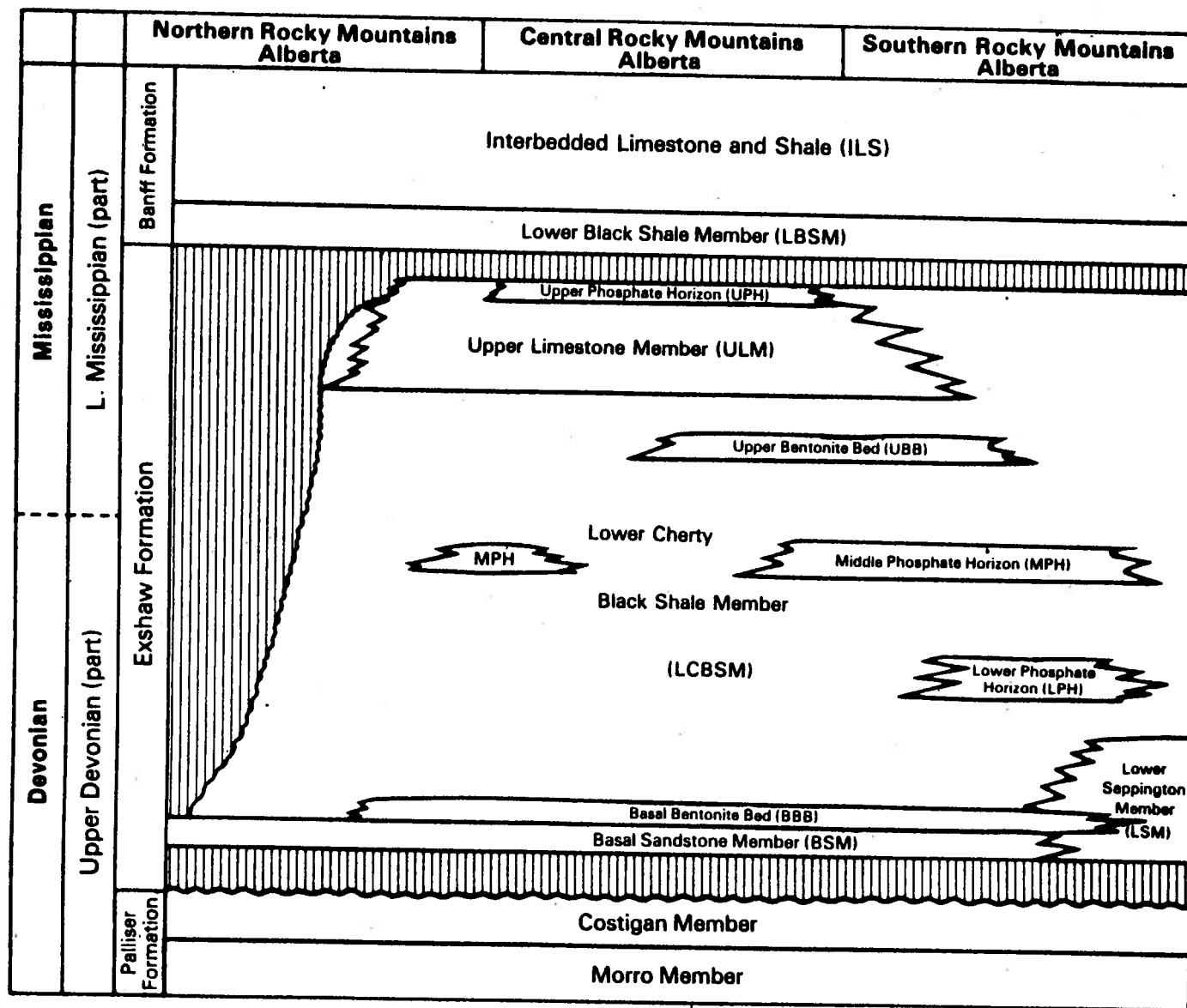


Figure 1. Age, nomenclature and stratigraphic relations — Exshaw Formation

EXSHAW FORMATION SECTIONS
STRATIGRAPHIC SECTION: 14

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Cadomin Quarry
NTS MAPSHEET: 83C13E

LATITUDE/LONGITUDE-PRESENT: 52 5950 117 1950
LATITUDE/LONGITUDE-PALINSPASTIC: 52 3800 117 4000
DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	LST AND SH	1.80	LS	SII-FS-PL-CAL	5Y8/1		CHIP	95	0.08	170	2.3
BANFF	DK CALC SH	1.50	SH	FS-PL-VTH-REC	N3	N4	CHIP	120	0.08	160	2.7
BANFF	DK CALC SH	1.30	SH	FS-REC	N3	N4	CHIP	126	0.12	260	2.1
BANFF	DK CALC SH	0.50	SH	PL-FS-REC	N3	N4	CHIP	122	0.10	270	
BANFF	DK CALC SH	0.90	COVRD	REC	N3	N4	CHIP	120	0.12	350	3.4
BANFF	DK CALC SH	1.50	SH	SI-CAL-FS-INF	10YR6/2	10YR6/2	CHIP		0.06	60	
EXSHAW	ULM	0.50	LS	Z-TKB-R	10YR8/6	N4	CHIP	75	0.06	30	
EXSHAW	ULM	0.70	SH	SIY-CAL-FS-REC	10YR6/2	10YR6/2	CHIP	95	0.05	50	
EXSHAW	ULM	0.80	LS	Z-TBK-R	10YR8/6	N4	CHIP	65	0.05	30	14.2
EXSHAW	LCBSM-SH	0.20	SH	FS-INF-REC		10YR5/4	CHIP	140	0.07	60	
EXSHAW	LCBSM-SH	0.10	SS	RS		10YR5/4	CHIP	140	0.07	60	
EXSHAW	LCBSM-SH	0.20	SH	FS-INF-REC		10YR5/4	CHIP	140	0.07	60	
EXSHAW	LCBSM-SH	0.10	SS	MG-RS	5Y6/1	5Y4/1	CHIP	251	0.65	350	
EXSHAW	LCBSM-SH	0.30	SH	FS-INF-SI-REC	5Y6/1	5Y4/1	CHIP	251	0.65	350	
EXSHAW	LCBSM-SH	0.10	SS	MG-RS	5Y6/1	5Y4/1	CHIP	251	0.65	350	
EXSHAW	LCBSM-CHT	0.50	SH	CHI-FS-VTH-NC	10Y8/2	10Y8/2	CHIP	270	0.12	280	
EXSHAW	LCBSM-SH	0.30	SH	FS-REC		10R3/4	CHIP	190	0.68	110	
EXSHAW	BBB	0.15	BENT	REC		10R3/4	CHIP	190	0.68	110	
EXSHAW	BSH	0.05	GGL	FG-REC		10R3/4	CHIP	190	0.68	110	
PALLSR		2.00	LS	MB-FL-R	N5	5Y4/1					

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 17

LATITUDE/LONGITUDE-PRESENT: 52 325 116 1375
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3700 117 100
 DATUM USED: +PALR

REFERENCE: Hudson Bay 011 and Gas-1966
 LOCALITY NAME: Ram Range
 NTS MAPSHEET: 83C1E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	UNDIFF	0.00	SH	NPP-REC							
PALLSR		1.00	LS	R							

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 18

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: First Ram Range
 NTS MAPSHEET: 83C1E
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

LATITUDE/LONGITUDE-PRESENT: 52 1325 116 1500
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 4100 117 100
 DATUM USED: +PALR

FORMATION UNIT	STRATIGRAPHIC THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	UNDIFF	0.00	SH	NPP-REC						
PALLSR	1.00	LS	R							

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 20

LATITUDE/LONGITUDE-PRESENT: 52 1475 116 2725
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 4500 117 2400
 DATUM USED: +PALR

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: First Range
 NTS MAPSHEET: 83C1W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	UNDIFF	0.00	SH	NPP-REC							
PALLSR		1.00	LS	R							

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 24

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Nordegg
 NTS MAPSHEET: 83C8E
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

LATITUDE/LONGITUDE-PRESENT: 52 2950 116 125
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1700 116 1500
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	DK CALC SH	1.00	SH	FS-CAL-REC				50			
EXSHAW	ULM	4.00	DOL	Z-FG				50			
EXSHAW	LPH	0.10	SH	P-REC	N1		CHIP	250	1.34	320	66.4
EXSHAW	UBB	0.10	BENT	REC	N1		CHIP	250	1.34	320	66.4
EXSHAW	LPH	0.20	SH	P-REC-TH-FS	N1		CHIP	250	1.34	320	66.4
EXSHAW	LCBSM-SH	1.90	SH	P-REC-TH-FS			CHIP	150	0.18	310	20.4
PALLSR		1.00	LS								

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 27

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Blackstone River-East
 NTS MAPSHEET: 83C10E

LATITUDE/LONGITUDE-PRESENT: 52 3520 116 3500
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1800 117 600
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		6.00	COVRD								
BANFF	DK CALC SH	1.00	SH	CAL-PL-FS-REC	5Y7/2	N3	GRAB	71	0.12	80	2.0
EXSHAW	ULM	2.30	LS	Z-TH-PL-R	5Y7/2	N4	GRAB	86	0.09	80	2.1
EXSHAW	LCBSM-CHT	0.50	SH	CHI-FS-VTH-WBP	N4		CHIP	255	0.11	170	14.1
EXSHAW	LCBSM-CHT	0.50	SH	CHI-FS-VTH-WBP	N4		CHIP	250	0.10	200	12.6
EXSHAW	LCBSM-SH	0.70	SH	PL-FS-NC-REC	N1	N1	CHIP	418	0.24	140	15.2
PALLSR		1.00	LS	CRX-CH-BL-R	N7	N4					

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 33

LATITUDE/LONGITUDE-PRESENT: 52 3000 116 2633

LATITUDE/LONGITUDE-PALINSPASTIC: 52 1200 117

DATUM USED: +PALR

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Wapiabi Gap
 NTS MAPSHEET: 83C8W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	LST AND SH	2.70	SH	LSI-PX							
EXSHAW	ULM	3.00	LS	Z-VTH-R	5Y6/1	N3	GRAB	80	0.07	90	1.4
EXSHAW	LCBSM-SH	1.40		FS-REC	N3	N3	CHIP				
EXSHAW	LPH	0.05	SS	REC-PP-J	N3	N3	GRAB	260	0.20		9.3
EXSHAW	LCBSM-SH	0.65	SH	FS-REC	N3	N3	CHIP		0.20	490	19.7
EXSHAW	LCBSM-CHT	0.80	SH	CHI-FS-VTH-WBP	N3	N3	CHIP		0.23	490	19.7
EXSHAW	LCBSM-CHT	0.25	CHT	SHI-NC-WCO-REC	5YR6/4	N3	CHIP	200	0.04	20	5.3
EXSHAW	LCBSM-SH	0.10	SH	J-PX-PL-VTH-REC	N1	N1					
EXSHAW	?	0.03	SS	J-PX							
PALLSR		1.00	LS	FX-R	N6	N7					

EXSHAW FORMATION SECTIONS
STRATIGRAPHIC SECTION: 37

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Job Creek

NTS MAPSHEET: 83C7W

LATITUDE/LONGITUDE-PRESENT: 52 2700 116 4800

LATITUDE/LONGITUDE-PALINSPASTIC: 51 5500 117 3600

DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	DK CALC SH	4.28	SH	FS-CW-REC	N1	N1	GRAB	142	0.16	520	4.1
EXSHAW	UPH	0.02	SS	PC-PN-B-RS	N1	N1	CHIP	185	14.10	80	21.8
EXSHAW	ULM	2.50	LS	MB-TKB-FI-R	5Y6/1	5Y4/1					
EXSHAW	LCBSM-CALC	1.30	SH	SII-FS-PL-CAL-RS	5Y2/1	N3	CHIP		0.23	240	7.2
EXSHAW	LCBSM-SH	1.90	SH	FS-PL-REC			CHIP	130	0.06	1010	12.2
EXSHAW	LCBSM-CHT	1.50	SH	CHI-CON-REC			CHIP	215	0.10	870	11.7
EXSHAW	LCBSM-CHT	1.30	CHT	SHI-SSIIY-TH-VTH			CHIP	420	0.18	200	21.2
EXSHAW	SAPP EQUIV	0.15	SLTST	VTH-REC	N1	N1					
EXSHAW	BSH	0.05	SS	CHI-MG-CG-N-RS	N6	5B7/1	CHIP	300	0.08	120	8.9
PALLSR		1.00	LS	CH-BL-N-TKB-R	N5						

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 39

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Siffleur River Ridge
 NTS MAPSHEET: 83C1W

LATITUDE/LONGITUDE-PRESENT: 52 25 116 1800
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 2700 117 2000
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	LST AND SH	2.00	LS	SHI-REC		5Y6/1					
BANFF	DK CALC SH	2.00	LS	PL-MB-CAL-REC-E	N4	N4					
EXSHAW	LCBSM-SH	5.50	SH	PL-REC	10R3/4	N4	CHIP	270	0.08	1120	11.7
EXSHAW	LCBSM-SH	0.25	SH	PL-NC	10YR8/2	N4	GRAB	500	0.74	1200	35.2
EXSHAW	LCBSM-CHT	2.60	CHT	P-SHI-SF-PO-PL	10R3/4	5YR2/1	CHIP	280	0.18	470	20.7
EXSHAW	BBB	0.01	BENT	REC		N8					
EXSHAW	BBSH	0.06	SS	QZC-TH			GRAB		0.16	50	5.1
EXSHAW	BBB	0.01	BENT	REC		N8					
PALLSR		1.00	LS	FI-P-VI-FX-A-TH	N5	N5		150			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 46

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Onion Creek-Ram Range
 NTS MAPSHEET: 83C1E

LATITUDE/LONGITUDE-PRESENT: 52 833 116 350
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 4300 116 4000
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		2.00	SH	CAL-FS-REC	5Y6/1						
EXSHAW	LCBSM-SH	3.00	SH	PL-INF-NC-REC	N4		CHIP	240	0.06	1160	11.5
EXSHAW	LCBSM-CHT	1.50	CHT	SHI-HEM-BM-PL	5PB3/2		CHIP	260	0.10	200	11.1
EXSHAW	SAPP EQUIV	0.08	SLTST	P-CAL-RS	N3						
EXSHAW	LCBSM-SH	1.00	SH	N			NOD		0.04	80	22.7
EXSHAW	BSH	0.02	SS	PC-CGL	N3		GRAB	110			16.1
PALLSR		1.00	LS		N3	N4					

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 50

LATITUDE/LONGITUDE-PRESENT: 52 1375 116 3425
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3800 117 3700
 DATUM USED: +PALR

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Steifox
 NTS MAPSHEET: 83C2E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	LST AND SH	1.50	LS	SHI-FS-TH-REC	5Y7/2						
EXSHAW	LCBSM-CHT	1.50	CHT	SHI-VTH-FS-REC	10YR8/6	N1	CHIP		0.32	810	12.0
EXSHAW	LCBSM-CHT	1.50	CHT	SHI-VTH-FS-REC	10YR8/6	N1	CHIP	160	0.09	820	8.3
EXSHAW	LCBSM-CHT	1.50	CHT	SHI-VTH-FS-REC	10YR8/6	N1	CHIP	260	0.14	450	13.8
EXSHAW		1.50	COVRD	REC							
PALLSR		1.00	LS	TKB-UP-WCO-R	N6			120			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 54

LATITUDE/LONGITUDE-PRESENT: 52 2275 116 5375
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3800 118 600
 DATUM USED: +PALR

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Obstruction Mountain
 NTS MAPSHEET: 83C7W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		2.00	LS	Z-SI	10YR7/4						
EXSHAW	LCBSM-CHT	3.00	SH	CHI-TH-PL	N3		CHIP	190	0.14	410	10.9
EXSHAW	LCBSM-CHT	1.50	CHT	SHI-TH-PL	N3		CHIP	210	0.14	430	14.9
EXSHAW	LCBSM-CHT	0.50	CHT	HAK-RS	N1			210			
PALLSR		1.00	LS	TKB-R	N7			60			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 59

LATITUDE/LONGITUDE-PRESENT: 52 5050 117 2066
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 2500 118
 DATUM USED: +PALR

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Deception Mountain Pass
 NTS MAPSHEET: 83C14W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	LST AND SH	2.00	SH	LSI-TH-REC							
EXSHAW	ULM	1.50	SH	CAL-P-SI-TH-REC	N5		GRAB	160	0.94	220	4.2
EXSHAW	LCBSM-CHT	1.00	CHT	INF-CAR-CV-RS	N1		GRAB	350	0.04	70	5.3
EXSHAW	LPH	0.10	SS	POO-PO-MB-RS	N1		GRAB	260	26.50	190	122.0
EXSHAW	LCBSM-CHT	0.40	CHT	M-TH-NC-RS	N1		GRAB	420	0.05	10	8.5
EXSHAW	LCBSM-CHT	0.30	CHT	M-HAK-RS	N3		GRAB	360	0.05	10	9.2
EXSHAW	BSH	0.15	SS	PC-CH-RS	N3		GRAB	450	0.14	120	10.0
PALLSR		1.00	LS		N6						

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 67

LATITUDE/LONGITUDE-PRESENT: 52 3666 117 400
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1200 117 4600
 DATUM USED: +PALR

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Southesk
 NTS MAPSHEET: 83C11E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	LST AND SH	10.00	SH	LSI-REC	5Y6/4		GRAB	90	0.05	30	1.0
BANFF	LST AND SH	5.00	SH	FS-CAL-REC	5Y7/2			125			
BANFF	LST AND SH	3.00	SH	LSI-FS-VTH-REC				125			
BANFF	DK CALC SH	10.00	SH	FS-CAL-REC	N5	N4	GRAB	120	0.13	330	3.4
EXSHAW	ULM	2.70	LS	Z-P-FI-TKB-TT-RS	5Y7/2	5Y4/1	GRAB	157	0.09	80	2.1
EXSHAW	LCBSM-SH	1.50	SH	PL-REC		N4	CHIP	200	0.14	620	10.6
EXSHAW	LCBSM-CHT	1.50	CHT	SHI-PL-VTH-WBP		N4	CHIP	230	0.04	650	8.4
PALLSR		1.00	LS	TKB-R	5PB5/2						

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 72

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Sunwapta Pass
 NTS MAPSHEET: 83C3E

LATITUDE/LONGITUDE-PRESENT: 52 1350 117 1000
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 1700 119 300
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		1.00	SH	FI-REC	5Y6/1						
EXSHAW	ULM	1.50	LS	Z-SI-MB-P-R	5Y6/4						
EXSHAW	LCBSM-CHT	7.00	SH	PL-NC-CH-REC	5Y6/1		GRAB	140	0.10	460	5.9
EXSHAW	LCBSM-CHT	7.00	SH	PL-NC-CH-REC	5Y6/1	N3	CHIP	150	0.09	950	9.3
EXSHAW	LCBSM-CHT	7.00	SH	PL-CH-REC-NC	5Y2/1	N3	CHIP	160	0.18	790	7.9
EXSHAW	LCBSM-CHT	7.00	SH	PL-CH-REC-NC	5Y2/1		CHIP	195	0.13	880	10.4
EXSHAW	LCBSM-CHT	7.00	SH	PL-CH-REC-NC	5Y2/1		CHIP	175	0.21	830	14.3
EXSHAW	LCBSM-CHT	7.00	SH	PL-CH-REC-NC	5Y2/1		CHIP	270	0.12	500	12.7
EXSHAW	LCBSM-CHT	0.07	SH	PL-CH-REC-NC	5Y2/1		CHIP	220	0.09	350	12.8
PALLSR		1.00	LS	TKB-A							
								133			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 74

LATITUDE/LONGITUDE-PRESENT: 52 3225 116 5025
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1100 117 3500
 DATUM USED: +PALR

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Opabin Creek-East
 NTS MAPSHEET: 83C10W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	DK CALC SH	2.00	SH	CAL-PL-FI-REC	5Y5/2			90			
EXSHAW		2.00	COVRD	REC							
EXSHAW	LCBSM-CHT	3.00	SH	PX-CH-NC-REC			GRAB	150	0.04	4000	7.0
EXSHAW	LCBSM-CHT	0.10	SH	PL-NC-YS-REC	N3		GRAB	280	0.25	130	18.5
EXSHAW	BBB	0.05	BENT	REC	5Y8/4		GRAB	280	0.25	130	18.5
PALLSR		1.00	LS	MB-R	N7	N3		50			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 76

LATITUDE/LONGITUDE-PRESENT: 52 5000 117 4200
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 200 118 5100
 DATUM USED: +PALR

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Medicine Lake
 NTS MAPSHEET: 83C13E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	LST AND SH	1.00	LS	TKB-Z-RS	5Y7/6						
BANFF	LST AND SH	6.00	SH	LSI-REC	N5		GRAB	185	0.14	160	3.0
EXSHAW	BBB	0.30	BENT	REC	10YR8/2		GRAB		0.27	50	21.8
EXSHAW	BSH	0.20	SS	PC-B-RS	N9		GRAB		9.50	220	78.7
EXSHAW	BSH	0.25	SH	PQ-PI-BM-N-YS-FS	N1	N1	CHIP	539	6.40	310	166.0
PALLSR.		1.00	LS		N6			131			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 120

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: North Berland River-Headwaters
 NTS MAPSHEET: 83E10W

LATITUDE/LONGITUDE-PRESENT: 53 3517 118 4850
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 600 119 2300
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT	P205 (%)	V (PPM)	U (PPM)
BANFF	LST AND SH	2.00	LS	SHI-REC				80			
EXSHAW	LCBSM-SH	0.90	COVRD	REC							
EXSHAW	LCBSM-SH	0.60	SH	PL-REC	N3						
EXSHAW	BSH	0.10	SS	PP-HEM-MB-RS			GRAB	105	4.10	110	12.6
PALLSR		1.00	LS	R	N6	N3		45			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 121

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Planet Creek Headwaters
 NTS MAPSHEET: 83E10E

LATITUDE/LONGITUDE-PRESENT: 53 3750 118 3483
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2700 118 4900
 DATUM USED: +PALR

FORMATION UNIT	STRATIGRAPHIC THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	1.00	LS	SHI-RS							
BANFF	3.00	COVRD	REC				78			
BANFF	1.00	COVRD	J							
EXSHAW	1.00	SH	FS-REC	N4			180			
EXSHAW	0.05	SS	PQ-MG-HEM-RS	10YR6/6		GRAB	140			
EXSHAW	0.15	SS	HEM-CON-MG-RS	10YR6/6			140			
PALLSR	1.50	LS	TKB-FI-R	N6			75			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 130

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Esplande Mountain
 NTS MAPSHEET: 83E1E

LATITUDE/LONGITUDE-PRESENT: 53 450 118 875
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 3200 119
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MOD	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	1 ST AND SH	2.00	LS	Z-SI-VTH-TH	10YR8/6	N3		62			
BANFF		3.00	COVRD	J							
EXSHAW	BSH	0.30	SS	FG-TH	5Y4/1	5Y2/1	GRAB				
EXSHAW	BSH	0.40	SS	B-CB-CH-MG-HEM	5YR6/4		GRAB	250	0.41	50	
PALLSR		1.00	LS	MB-TKB-R	N7	N4		69			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 132

LATITUDE/LONGITUDE-PRESENT: 53 2133 118 950
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5900 118 4800
 DATUM USED: +PALR

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Bosche Range-North
 NTS MAPSHEET: 83E8E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	LST AND SH	5.00	LS	SHI-RS	5Y7/2						
BANFF	DK CALC SH	4.00	SH	CAL-FS-PL-REC	5Y2/1	N3	GRAB	85	0.14	90	1.8
EXSHAW	ULM	4.00	LS	SI-MB-TKB-RS	5Y7/2	N4	GRAB	70	0.07	40	1.0
EXSHAW	LCBSM-SH	1.50	SH	YS-FS-REC			CHIP	130	0.21	640	7.3
EXSHAW	BBB	0.02	BENT	M-REC	N9		GRAB	230	0.16	10	10.0
EXSHAW	BSH	0.05	SS	PC-QZC-MB-HEM-RS	5YR6/4		GRAB	230	0.82	210	18.0
EXSHAW	BSH	0.05	SS	PQ-QZC-MB-HEM-RS	5YR6/4		GRAB	230	0.82	210	18.0
PALLSR		1.00	LS	FI	N4			60			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 140

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Kephala
 NTS MAPSHEET: 83E8E

LATITUDE/LONGITUDE-PRESENT: 53 2217 118 280
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1200 118 1800
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	DK CALC SH	4.50	SH	CAL-FS-REC	5Y6/1		CHIP	90	0.07	50	1.0
EXSHAW	LCBSM-SH	1.20	SH	FS-NC-REC	N4		CHIP	170	0.41	960	7.5
EXSHAW	SAPP EQUIV	0.50	LS	MB-R	N6			70			
EXSHAW	SAPP EQUIV	0.20	CGL	AR-MB-R				70			
EXSHAW	SAPP EQUIV	0.70	LS	FI-R	N6			70			
EXSHAW	BBB	0.05	BENT	REC	N9		GRAB	294	0.16	20	4.9
PALLSR		2.00	LS	R-A-TKB	N6						

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Perce
 NTS MAPSHEET: 83E7W

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 148

LATITUDE/LONGITUDE-PRESENT: 53 2875 118 5450
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5500 119 4400
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		1.00	SH	PL-LSI							
BANFF		0.50	COVRD	J	5Y6/1		GRAB	120	0.14	120	2.1
EXSHAW	BSH	0.15	SS	PN-MG-CH-PE-WC							
PALLSR		1.00	LS	MB-CH-BL-UP	10YR6/6		GRAB	90 66	0.44	30	4.1

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 150

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Persimmon Range-South
 NTS MAPSHEET: 83E7E

LATITUDE/LONGITUDE-PRESENT: 53 3000 118 3533
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 200 119 800
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	DK CALC SH	3.00	SH	VTH-CAL-REC			GRAB	120	0.07	70	1.4
EXSHAW	LCBSM-CALC	0.20	SH	FS-CAL-REC-YS	N4	N4	GRAB	140	0.21	160	4.0
EXSHAW	BSH	0.20	SS	SHI-MG-FS-REC	5Y7/6		GRAB	20	0.37	190	4.9
PALLSR		1.00	LS	TKB-R	N7	N4		45			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 154

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Wolverine Creek Ridge
 NTS MAPSHEET: 83E11W
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

LATITUDE/LONGITUDE-PRESENT: 53 4400 119 2000
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1500 119 5200
 DATUM USED: +PALR

FORMATION UNIT	STRATIGRAPHIC THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	1.00	LS	TH-FI-R				70			
EXSHAW	0.15	SS	PN-HEM-MG-RS	10R6/6		GRAB	207	0.66	300	14.8
PALLSR	1.00	LS	TKB-CH-BL-R	N8			45			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 156

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Kvass Creek Headwaters
 NTS MAPSHEET: 83E11W

LATITUDE/LONGITUDE-PRESENT: 53 3775 119 950
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 119 4900
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		1.00	SH	FI-REC	5GY7/2						
EXSHAW		0.10	COVRD	J							
PALLSR		1.00	LS	MB-R	N8						

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 160

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Vega Peak
 NTS MAPSHEET: 83E7E

LATITUDE/LONGITUDE-PRESENT: 53 2550 118 4250
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5400 119 2300
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	DK CALC SH	1.00	SH	FI-CAL	N7	N7	GRAB		0.18	180	3.7
EXSHAW	BSH	0.10	SS	PC-MG-PX-RS	10YR6/6	10YR6/6	CHIP		4.50	60	13.3
PALLSR		1.00	LS	TKB	N8	N4					

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 184

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Boule Roche
 NTS MAPSHEET: 83F05W

LATITUDE/LONGITUDE-PRESENT: 53 2025 117 5925
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1200 118 900
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		1.00	LS	SHI		N3					
EXSHAW	LCBSM-SH	1.00	SH	LSI-J-REC-YS	N3	N3	GRAB		0.11	40	7.8
PALLSR		1.00	LS	TKB-R		N3					

EXSHAW FORMATION SECTIONS
STRATIGRAPHIC SECTION: 191

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Highway 3-Roadcut
NTS MAPSHEET: 82G10E

LATITUDE/LONGITUDE-PRESENT: 49 3725 114 3850
LATITUDE/LONGITUDE-PALINSPASTIC: 49 3100 115 4700
DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		7.85	LS	MB-CH-SR-R	5Y6/1	N4	GRAB	60	0.06	10	1.1
BANFF		0.15	SH	PI-FS-REC	5Y2/1	10R3/4	CHIP	202	3.30	240	26.1
BANFF		7.30	MDST	TKB-RS	5Y2/1	N4	GRAB	169	0.81	120	5.9
EXSHAW	UPH	0.20	SH	PI-PN			CHIP		17.10	120	33.4
EXSHAW	ULM	2.70	LS	M-Z	N5	N4		93			
EXSHAW	MPH	0.20	MDST	PN-MB-RS	N3	5Y2/1	CHIP		1.80	140	9.7
EXSHAW	LCBSM-SH	0.40	MDST	SHI-RS	N3	5Y2/1					
EXSHAW	LPH	0.30	SS	PC-FG-MG-P-MB-GL	5Y6/1	N4	GRAB	218	3.00	160	16.9
EXSHAW	LCBSM-SH	0.50	MDST	RS	N3	5Y2/1					
EXSHAW	LCBSM-CHT	2.60	SH	CHI-FS-VTH-REC			CHIP	169	0.38	760	6.6
EXSHAW	UBB	0.05	BENT	REC	5Y4/1	N3	CHIP	169	0.38	730	6.6
EXSHAW	LCBSM-CHT	2.75	SH	CHI-FS-VTH-REC			CHIP	169	0.38	760	6.6
EXSHAW	LPH	3.70	MDST	PT-M-TKB-SIY-RS	N3	5Y2/1	GRAB	181	1.20	360	5.1
EXSHAW	LCBSM-SH	2.10	MDST	M-RS	5Y6/1	N3		120			
EXSHAW	BSH	0.10	SH	PI-REC-FS			CHIP	194	4.00	2600	129.0
EXSHAW	BBB	0.05	BENT	REC	5Y7/6		CHIP	194	4.00	2600	129.0
EXSHAW	BSH	0.05	SH	PI-REC-FS			CHIP	194	4.00	2600	129.0
PALLSR		4.00	LS								

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 199

REFERENCE: Western Warner 011-1965
 LOCALITY NAME: Allison Peak
 NTS MAPSHEET: 82G10E

LATITUDE/LONGITUDE-PRESENT: 49 4400 114 3800
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 4200 115 4800
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	MPH	0.60	PHOS	PQ-REC							
EXSHAW	LCBSM-SH	3.45	SH	REC			GRAB	15.90			
EXSHAW	LPH	0.45	SH	PI-REC							
EXSHAW	LCBSM-SH	3.00	SH	J-REC			GRAB	4.52			
PALLSR		1.00	LS	R							

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 200

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Racehorse Creek-Summit
 NTS MAPSHEET: 82G15E

LATITUDE/LONGITUDE-PRESENT: 49 5175 114 4000
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 4700 115 4700
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		3.00	LS	Z-CH							
EXSHAW	LCBSM-CHT	1.00	SH	CH-N-REC	N4	N4	CHIP	109	0.28	650	6.3
EXSHAW	LCBSM-SH	11.00	SH	NP-SLD-PL-REC	N4	N4					
EXSHAW	LCBSM-CHT	9.00	SH	PX-PL-VTH-CH-REC	N4	N4	CHIP	115	0.14	60	1.9
EXSHAW	BSH	0.10	SS	PC-J-REC			GRAB	230	6.30	340	168.0
PALLSR		1.00	LS	MB-TKB-A-WCO-REC	N6	N4					

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 203

REFERENCE: Western Warner D11-1965
 LOCALITY NAME: Crowsnest Mountain
 NTS MAPSHEET: 82G10E

LATITUDE/LONGITUDE-PRESENT: 49 4250 114 3450
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 3900 115 4300
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	MPH	0.06	PHOS	PQ-REC							
EXSHAW	LCBSM-SH	6.90	SH	REC							
PALLSR		1.00	LS	R							

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 204

REFERENCE: Western Warner D11-1965
 LOCALITY NAME: Tornado Pass
 NTS MAPSHEET: 82G10E

LATITUDE/LONGITUDE-PRESENT: 49 5650 114 4100
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 5400 115 5100
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	LCBSM-SH	6.00	SH	J							
EXSHAW	MPH	0.04	PHOS	PQ							
EXSHAW	LCBSM-SH	7.50	SH	J-REC							
PALLSR		1.00	LS	R							

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 212

REFERENCE: Western Warner 011-1965
 LOCALITY NAME: Deadman Pass
 NTS MAPSHEET: 82G10E

LATITUDE/LONGITUDE-PRESENT: 49 4250 114 3825
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 3900 115 4800
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	MPH	0.60	PHOS	PQ-REC							
EXSHAW	LCBSM-CHT	2.85	SH	CH-REC			GRAB		20.72		
EXSHAW	LPH	0.45	SH	PI-CH-REC							
EXSHAW	LCBSM-CHT	3.15	SH	CH-REC			GRAB		7.78		
PALLSR		1.00	LS	R							

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 214

REFERENCE: Telfer-1933
 LOCALITY NAME: Phillips Pass
 NTS MAPSHEET: 82G10E

LATITUDE/LONGITUDE-PRESENT: 49 3950 114 3825
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 3400 115 4700
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		24.00	LS	CH-SR-R							
EXSHAW	LCBSM-SH	4.50	SH	REC							
EXSHAW	MPH	0.18	PHQS	POO			GRAB	23.25			
EXSHAW	LPH	0.51	SH	PL-REC			GRAB	3.07			
EXSHAW	LPH	0.18	SH	PN			GRAB	17.12			
EXSHAW	LCBSM-SH	6.90	SH	REC							
PALLSR		1.00	LS	R							

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 219

LATITUDE/LONGITUDE-PRESENT: 49 1825 114 5775
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 200 116 200
 DATUM USED: +PALR

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Broadwood
 NTS MAPSHEET: 82G7E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		6.00	SH	REC							
BANFF		4.00	LS	Z-PL-TH-RS							
EXSHAW	LCBSM-SH	4.00	SH	PX-NC-REC				90			
EXSHAW	LCBSM-CALC	1.50	SH	TH-REC-CAL-SI-P	5Y2/1		GRAB	150	0.29	320	14.6
EXSHAW	LCBSM-CALC	0.20	LS	Z-MB-P-REC	5Y2/1		CHIP	175	0.28	130	4.0
EXSHAW	LCBSM-SH	0.80	SH	SI-PL-REC-P	5Y7/2			150			
EXSHAW	SAPP EQUIV	13.50	LS	Z-VTH-TKB-D	5Y4/1		CHIP	210	0.16	110	5.0
PALLSR		1.00	LS	M-R	5Y7/2		GRAB	85	0.17	10	0.5
					N7			45			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 225

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Erris
 NTS MAPSHEET: 82G15E

LATITUDE/LONGITUDE-PRESENT: 49 5450 114 4075
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 5100 115 5000
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		2.00	LS	MB-R							
EXSHAW	LCBSM-SH	1.00	COVRD			N3		55			
EXSHAW	LCBSM-SH	3.00	SH	FS-PL-NC-REC	5Y2/1			60			
EXSHAW	LCBSM-SH	1.50	SH	PP-PL-NC-REC	5Y2/1		CHIP	150	0.33	430	4.6
EXSHAW	LCBSM-SH	3.00	SH	FS-PL-NC-REC	5Y2/1		CHIP	322	0.06	830	10.0
EXSHAW	LCBSM-SH	1.50	COVRD				CHIP	180	0.11	170	4.8
EXSHAW	LCBSM-SH	3.00	SH	FS-PL-NC-REC	N4	N4		102			
EXSHAW	BBB	0.03	BENT	REC	N7		CHIP	260	0.06	2350	10.5
EXSHAW	BSH	0.03	SS	PP-FG-MG-OX-R	10YR6/6			180			
PALLSR		1.00	LS	TKB-R	N6		CHIP	120	8.60	400	80.3
								65			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 226

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Racehorse Pass
 NTS MAPSHEET: 82G15E

LATITUDE/LONGITUDE-PRESENT: 49 4675 114 3800
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 4500 115 4700
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		1.00	LS	TH-MB-CH-R							
EXSHAW	LCBSM-SH	0.50	COVRD					55			
EXSHAW	MPH	3.00	SH	PI-PL-REC	N4						
EXSHAW	LCBSM-SH	0.70	COVRD				CHIP	185	6.30	100	7.2
EXSHAW	LPH	0.30	PHOS	POO-PL-REC-Z							
EXSHAW	LCBSM-SH	3.50	SH	PL-VTH-REC	N4	N4	CHIP	200	15.40	70	10.8
EXSHAW	LCBSM-SH	3.00	SH	PL-REC	N4	N4	CHIP	120	0.23	600	4.9
EXSHAW	LCBSM-SH	3.00	SH	FS-PL-REC	N4	N4	CHIP	100	0.23	610	5.9
EXSHAW	SAPP EQUIV	3.00	LS	VTH-P-REC	5Y5/2	5Y4/1	CHIP	100	0.75	440	5.7
EXSHAW	LCBSM-SH	0.30	SH	PI-PL-P-REC	N4		CHIP	90	0.27	200	5.5
PALLSR		1.00	LS	TKB-R-FI	N7		CHIP	320	1.40	380	17.0
								65			

EXSHAW FORMATION SECTIONS
STRATIGRAPHIC SECTION: 228

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Flathead Range-South
NTS MAPSHEET: 82G7E

LATITUDE/LONGITUDE-PRESENT: 49 2800 114 3550
LATITUDE/LONGITUDE-PALINSPASTIC: 49 1800 115 4200
DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	DK CALC SH	1.00	SH	CAL-REC	5Y4/1			70			
BANFF		6.00	CHT	VTH-R	N4			50			
		10.50	COVRD	REC-Z							
EXSHAW	LCBSM-SH	3.00	SH	FS-VTH-NC-REC	5Y4/1	5Y2/1	CHIP	110	0.16	1330	5.9
EXSHAW	MPH	1.50	SH	PI-SI-E-PL-REC	5Y4/1	5Y2/1	CHIP	80	1.70	120	6.8
EXSHAW	LPH	1.50	SH	PI-FS-CHI-REC-NC			CHIP	130	1.70	120	6.8
EXSHAW	LPH	3.00	SH	PI-FS-TH-CHI-REC		N4	CHIP	140	1.90	130	6.3
EXSHAW	LCBSM-CHT	0.50	SH	FS-TH-CHI-REC		N4	CHIP	300	0.18	1050	7.0
EXSHAW	BSH	0.20	PHOS	POO-PN-REC	5PB7/2	5YR2/2	CHIP	660	10.20	500	32.6
EXSHAW	LCBSM-SH	0.30	SH	NC-FS-REC	N4	N4	CHIP	550	0.43	590	54.1
EXSHAW	LCBSM-SH	0.50	SH	NC-FS-REC	N4	N4	CHIP	450	0.57	1270	53.6
PALLSR		1.00	LS	MB-UP-R	N7			65			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 250

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Spray Lake
 NTS MAPSHEET: 82J14W

LATITUDE/LONGITUDE-PRESENT: 50 5400 115 2000
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2800 116 3200
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	LST AND SH	6.00	LS	SHI-J							
BANFF	DK CALC SH	10.00	SH	CAL-NC-FS-REC	N4	N3	GRAB		0.36	720	6.2
BANFF	DK CALC SH	2.00	COVRD	SHI-J							
EXSHAW	ULM	7.20	LS	AR-P-N-R	5Y6/1	N4	GRAB	70	0.19	60	2.5
EXSHAW	LCBSM-CHT	1.00	SH	FS-VTH-SI-REC		N4	CHIP	100	0.15	1460	19.5
EXSHAW	LCBSM-CHT	1.50	SH	FS-VTH-SI-NC-REC			CHIP	215	0.13	1160	12.9
EXSHAW	LCBSM-CHT	1.50	SH	FS-VTH-SI-NC-REC		N3	CHIP	265	0.10	780	8.7
EXSHAW	LCBSM-CHT	1.50	SH	FS-YS-SI-NC-REC		N3	CHIP	235	0.14	1440	9.2
EXSHAW		3.30	COVRD	REC				205			
PALLSR		1.00	LS	CRX-TKB	N7	N4		125			

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Mt. Lyall
 NTS MAPSHEET: 82J2E

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 253

LATITUDE/LONGITUDE-PRESENT: 50 650 114 4300
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 300 115 5200
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	UNDIFF	13.50	SH	NPP-REC-J							
PALLSR		1.00	LS	R							

EXSHAW FORMATION SECTIONS

STRATIGRAPHIC SECTION: 255

LATITUDE/LONGITUDE-PRESENT: 50 4825 114 5350

LATITUDE/LONGITUDE-PALINSPASTIC: 50 3400 115 4300

DATUM USED: +PALR

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Nihahi Ridge-South
 NTS MAPSHEET: 82J15W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	UNDIFF	16.00	SH	NPP-REC-J							
PALLSR		1.00	LS	R							

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 272

REFERENCE: Douglass-1958
 LOCALITY NAME: Puriform Mountain
 NTS MAPSHEET: 82J7E

LATITUDE/LONGITUDE-PRESENT: 50 3000 114 4100
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 1600 115 3200
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		0.65	SH	FS-REC							
EXSHAW	ULM	4.80	DOL	Z-FS-SI-R							
EXSHAW	LCBSM-SH	3.50	SH	FS-REC							
EXSHAW	LCBSM-SH	0.10	COVRD	REC							
PALLSR		1.00	LS	R							

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 280

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Sheep River
 NTS MAPSHEET: 82J10W

LATITUDE/LONGITUDE-PRESENT: 50 3600 114 4600
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2200 115 3600
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	LST AND SH	5.00	LS	SHI-TH-REC							
BANFF	NONCALC SH	2.00	SH	FS-NC-REC	N3	N3	GRAB	180	0.06	440	12.6
BANFF	DK CALC SH	0.60	SH	E-SI-VTH-CW-REC				145			
EXSHAW	ULM	4.50	LS	SI-P-WCD	10YR6/6		GRAB	120	0.09	110	3.1
EXSHAW	LCBSM-SH	1.50	COVRD	REC							
EXSHAW	LCBSM-SH	3.00	SH	FS-PL-REC	N3		CHIP	215	0.06	1040	10.2
EXSHAW	BSH	0.10	SS	PC-CG-HEM-CGL			GRAB		2.20	440	71.4
PALLSR		1.00	LS	TKB-CRX-R	N6	N4					

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 285

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Nihahi Ridge-North
 NTS MAPSHEET: 82J15W

LATITUDE/LONGITUDE-PRESENT: 50 5200 114 5600
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 3800 115 4500
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	DK CALC SH	4.00	SH	FS-CAL-REC-PX	N4		GRAB	120	0.06	390	7.9
EXSHAW	ULM	12.00	LS	SI-TKB-FX-CON-R	10YR7/4	N4	GRAB	125	0.09	50	1.9
EXSHAW	LCBSM-CALC	1.50	SH	PX-FS-REC-CAL	5Y6/1		CHIP	183	0.09	130	4.1
EXSHAW	LCBSM-SH	1.50	SH	FS-PL-REC-SF	10R6/6		CHIP	165	0.04	870	9.4
EXSHAW	LCBSM-SH	1.50	SH	FS-PL-REC	10R6/6		CHIP	215	0.07	880	7.5
EXSHAW	BSH	0.10	SS	PQ-PC-RS-MG-YS	10YR7/4		GRAB	250	1.88	120	33.7
PALLSR		2.00	LS		N7	N3					

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 289

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: The Wedge
 NTS MAPSHEET: 82J14E

LATITUDE/LONGITUDE-PRESENT: 50 5150 115 1025
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2900 116 800
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	ULM	5.00	LS	Z-SI-PVG-R	10YR5/4						
EXSHAW	LCBSM-CALC	2.20	SH	FS-PL-SI-YS-CAL	N4	N4	GRAB	120	0.14	70	2.4
EXSHAW	LCBSM-CHT	2.30	SH	CHIY-PL-REC	N3	N4	CHIP	250	0.09	950	16.3
EXSHAW	LCBSM-CHT	1.70	SH	CHI-Z-PL-VTH-REC			CHIP	250	0.05	1230	11.0
EXSHAW	LCBSM-CHT	1.80	SH	CHI-Z-PL-VTH-REC	10R3/4		CHIP	250	0.09	960	19.3
EXSHAW	LCBSM-CHT	1.80	SH	CHI-Z-PL-VTH-REC	10R3/4		CHIP	350	0.09	830	16.8
EXSHAW	LCBSM-CHT	0.50	SH	CHI-Z-SF-REC		N4	CHIP	450	0.09	380	13.7
EXSHAW	LCBSM-CHT	0.50	SH	CHI-PL-VTH-YS		N4	CHIP	550	0.07	490	18.0
EXSHAW	LCBSM-CHT	0.60	COVRD	REC			CHIP	400	0.30	450	32.7
PALLSR		1.00	LS	MB-TKB-R	N3			250			
								100			

EXSHAW FORMATION SECTIONS
STRATIGRAPHIC SECTION: 292

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Mt. Burstall
NTS MAPSHEET: 82J14W

LATITUDE/LONGITUDE-PRESENT: 50 4700 115 2050
LATITUDE/LONGITUDE-PALINSPASTIC: 50 700 117 300
DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	NONCALC SH	6.00	SH	FS-NC-REC	N4	N3	CHIP	220	0.11	1060	14.3
EXSHAW	ULM	6.20	LS	Z-SI-MB-TKB-R	10YR7/4		GRAB	280	0.07	70	1.7
EXSHAW	LCBSM-CHT	3.45	SH	CHI-PL-TH-REC-NC	N4	N4	CHIP	290	0.09	1310	24.8
EXSHAW	UBB	0.05	BENT	REC			CHIP	450	0.09	1310	24.8
EXSHAW	LCBSM-CHT	4.00	SH	CHI-PL-TH-REC-NC	N4	N4	CHIP	290	0.09	1310	24.8
EXSHAW	LCBSM-CHT	6.00	SH	CHI-PL-TH-REC-NC	N4	N4	CHIP	330	0.11	990	16.4
EXSHAW	LCBSM-CHT	6.00	SH	CHI-PL-TH-REC-NC	N4	N4	CHIP	250	0.07	690	13.5
EXSHAW	LCBSM-CHT	0.50	SH	NC-CHI-PL-TH			CHIP	520	0.27	1470	26.6
EXSHAW	LCBSM-CHT	4.50	SH	CHI-PL-TH-REC-NC	10YR6/6	N4	CHIP	290	0.07	1360	13.9
EXSHAW	LCBSM-SH	6.00	SH	PL-NC-REC	10YR6/6	N4	CHIP	310	0.09	540	15.5
EXSHAW	LCBSM-SH	3.00	SH	PL-NC-REC	10YR6/6	N4	CHIP	310	0.07	500	12.7
EXSHAW	LCBSM-SH	0.80	SH	PL-NC-REC	10YR6/6	N4	CHIP	410	0.11	530	17.8
EXSHAW	LCBSM-SH	3.20	SH	PL-NC-REC	10YR6/6	N4	CHIP	350	0.09	380	16.4
EXSHAW	LCBSM-SH	3.00	SH	PL-NC-REC		N4	CHIP	310	0.11	250	19.9
EXSHAW	LCBSM-CHT	3.00	SH	CHI-PL-VTH-NC		N4	CHIP	350	0.18	320	28.1
EXSHAW	LCBSM-CHT	0.90	SH	NC-CHI-PL-REC		N4	CHIP	480	0.23	610	32.4
EXSHAW	LCBSM-CHT	3.00	SH	CHI-PL-VTH-NC		N4	CHIP	300	0.18	610	13.5
EXSHAW	BSH	0.15	SS	PP-VTH-FG-R	10YR4/2	10YR4/2	GRAB	464	0.94	170	43.7
PALLSR		1.00	LS	MB-MCRX-UP-CH-R	N6			85			

EXSHAW FORMATION SECTIONS
STRATIGRAPHIC SECTION: 293

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Three Isle Lake
NTS MAPSHEET: 82J11W

LATITUDE/LONGITUDE-PRESENT: 50 3900 115 1600
LATITUDE/LONGITUDE-PALINSPASTIC: 50 100 117
DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	DK CALC SH	20.00	SH	FS-REC	N1	N1	GRAB	210	0.06	1050	10.2
EXSHAW	ULM	5.00	LS	Z-P-RS	10YR6/6		GRAB	140	0.09	60	2.2
EXSHAW	LCBSM-CHT	4.00	CHT	SHI-PL-VTH	N1		CHIP	210	0.10	940	10.3
EXSHAW	LCBSM-CHT	2.50	CHT	MSI-REC-BM	N1		CHIP	210	0.09	1090	13.2
EXSHAW	LCBSM-CHT	3.50	SH	MSI-CHI-REC			CHIP	600	0.11	1040	15.7
EXSHAW	LPH	1.00	SH	PI-MSI-REC			GRAB	750	1.60	640	31.4
EXSHAW	LCBSM-SH	3.50	SH	MSI-REC			CHIP	600	0.11	1040	15.7
EXSHAW	LCBSM-CHT	5.00	SH	PL-VTH-P-MSI-REC	5YR6/4		CHIP	350	0.07	1310	17.8
EXSHAW	LCBSM-CHT	2.50	SH	REC-PL-VTH	5YR6/4		CHIP	500	0.46	440	68.0
EXSHAW	LCBSM-CHT	2.45	SH	CHI-REC-PL-VTH	5YR6/4		CHIP	500	0.46	440	68.0
EXSHAW	LCBSM-CHT	0.05	SS	CHI-REC-SSI-SPR	5YR6/4		CHIP	700	0.46	440	68.0
EXSHAW	LCBSM-SH	5.00	SH	PL-VTH-REC	5YR6/4		CHIP	285	0.07	340	12.7
EXSHAW	LCBSM-SH	5.00	SH	PL-REC	5YR6/4		CHIP	310	0.09	200	19.0
EXSHAW	LCBSM-SH	5.00	SH	PL-P-REC	N3	5YR6/4	CHIP	225	0.06	170	7.8
EXSHAW	LCBSM-CHT	2.50	CHT	SHI-REC			CHIP	550	0.42	260	56.6
EXSHAW	LCBSM-CHT	0.50	CHT	SHI-REC			GRAB	600	0.70	670	58.3
EXSHAW	LCBSM-CHT	1.20	CHT	SHI-PL-VTH-REC			CHIP	550	0.42	260	56.6
EXSHAW	BSH	0.80	SLTST	CHI-SPR-P-CH-REC			GRAB	1075	0.48	220	210.0
PALLSR		1.00	LS	M-R	N6						

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 294

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Rae
 NTS MAPSHEET: 82J10W

LATITUDE/LONGITUDE-PRESENT: 50 4000 114 5900
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2600 115 5700
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	(PPM)
BANFF	DK CALC SH	1.00	SH	PL-CAL-REC	N3			185			
EXSHAW	ULM	4.50	LS	Z-SI-PVG-R	10YR7/4	N3	GRAB	115	0.09	70	2.7
EXSHAW	LCBSM-SH	3.30	SH	PL-VTH-REC-GS	N4	N4	CHIP	185	0.09	1310	11.4
EXSHAW	LCBSM-SH	3.20	SH	PX-REC	5Y2/1		CHIP	90	0.09	140	2.8
EXSHAW	LCBSM-SH	1.60	COVRD	REC							
PALLSR		1.00	LS	TKB-R	N4	N6		65			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 297

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Turbulent
 NTS MAPSHEET: 82J14W
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

LATITUDE/LONGITUDE-PRESENT: 50 5450 115 2600
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 3200 116 3900
 DATUM USED: +PALR

FORMATION UNIT	STRATIGRAPHIC THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	15.00	DK CALC SH	SH	FS-REC	N4					
EXSHAW	4.00	ULM	LS	SI-MB-R	10YR7/4	GRAB	150	0.08	70	2.1
EXSHAW	2.50	LCBSM-CALC	SH	FS-VTH-REC		CHIP	180	0.10	1190	20.6
EXSHAW	2.00	LPH	SH	PI-MSI-YS-REC	N3	CHIP	875	0.85	1350	54.0
EXSHAW	9.00	LCBSM-SH	SH	PT-REC-FS	N3	CHIP	170	1.17	660	55.8
EXSHAW	5.00	LCBSM-CHT	SH	VTH-PL-REC		CHIP	220	0.11	370	12.9
PALLSR	1.00		LS	SILC-R	10YR6/6					

EXSHAW FORMATION SECTIONS
STRATIGRAPHIC SECTION: 315

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Mt. Gass
NTS MAPSHEET: 82J2E

LATITUDE/LONGITUDE-PRESENT: 50 900 114 4300
LATITUDE/LONGITUDE-PALINSPASTIC: 50 400 115 5400
DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	DK CALC SH	1.00	SH	CP-FS	5Y2/1	N1					
EXSHAW	NONCALC SH	0.50	SH	SIJ-CW-RECX-PL	5BG3/2		CHIP		0.09	1260	15.3
EXSHAW	ULM	2.20	LS	FX-P-MB	10YR7/4	N4		135			
EXSHAW	LCBSM-CALC	1.40	SH	CAL-FS	5YR2/1	5YR2/1	CHIP	120	0.14	440	7.1
EXSHAW	LCBSM-CHT	3.00	SH	TH-FS-CH-RW-RECS	5YR4/4	N4	CHIP	250	0.06	1700	15.8
EXSHAW	LCBSM-SH	2.30	SH	FI-VTH	5Y4/1	N4	CHIP	300	0.17	1070	20.7
EXSHAW		0.40	SH	PL-REC	5Y2/1	5YR2/1	CHIP	490	0.10	270	20.7
EXSHAW	BBB	0.20	BENT	REC		10YR4/2		470			14.8
EXSHAW	BSH	0.25	SH	PI-VTH-PL-REC	N3	5YR2/1	CHIP	470	2.95	210	74.2
PALLSR		1.00	LS	MB-TKB-MCRX-FI	N5	N5		55			

EXSHAW FORMATION SECTIONS
STRATIGRAPHIC SECTION: 319

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Whiterabbit Creek-Headwaters
NTS MAPSHEET: 82N16E

LATITUDE/LONGITUDE-PRESENT: 51 5200 116 900
LATITUDE/LONGITUDE-PALINSPASTIC: 51 3000 116 5900
DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	DK CALC SH	3.00	SH	PL-REC	10YR7/4						
EXSHAW	LCBSM-SH	3.00	SH	PL-SI-NC-REC	N3		CHIP	160	0.06	1160	7.7
EXSHAW	LCBSM-CHT	0.10	CHT	R			CHIP	190	0.10	1170	9.6
EXSHAW	LCBSM-CHT	2.90	SH	CHI-FS-REC	N3	N3	CHIP	190	0.10	1170	9.6
EXSHAW	LCBSM-CHT	3.00	SH	CHI-FS-REC	N3	N3	CHIP	220	0.08	1290	10.5
EXSHAW	LCBSM-CHT	3.00	CHT	SHI-FS-TH-NC-REC	N3		CHIP	200	0.08	970	8.1
EXSHAW	LCBSM-CHT	3.00	CHT	SHI-FS-TH-NC-REC	N3		CHIP	200	0.07	1100	7.5
PALLSR		1.00	LS	MCRX-MB-R	N7	N4		130			

EXSHAW FORMATION SECTIONS

STRATIGRAPHIC SECTION: 325

LATITUDE/LONGITUDE-PRESENT: 51 3825 115 3525

LATITUDE/LONGITUDE-PALINSPASTIC: 51 1600 116 2400

DATUM USED: +PALR

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Dormer Mountain
 NTS MAPSHEET: 82012E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	UNDIFF	0.00	SH	NPP-REC-J							
PALLSR		1.00	LS	R							

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 329

LATITUDE/LONGITUDE-PRESENT: 51 5175 115 3275
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3100 116 1700
 DATUM USED: +PALR

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Limestone Creek-Headwaters
 NTS MAPSHEET: 82013E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	UNDIFF	0.00	SH	NPP-REC-J							
PALLSR		1.00	LS	R							

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 331

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Washout Creek
 NTS MAPSHEET: 82013W

LATITUDE/LONGITUDE-PRESENT: 51 5775 115 5000
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3700 116 3400
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	UNDIFF	0.00	SH	NPP-REC-J							
PALLSR		1.00	LS	R							

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 334

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: James Pass
 NTS MAPSHEET: 82011W

LATITUDE/LONGITUDE-PRESENT: 51 4350 115 2700
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 2300 116 1200
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	LCBSM-CALC	0.70	SH	PL-VTH-REC-SSI	N3	N3	CHIP	291	0.12	1370	24.9
EXSHAW	LCBSM-SH	0.50	SH	PL-VTH-REC	N3	N3	CHIP	230	0.06	1090	11.1
EXSHAW	LCBSM-SH	0.50	SH	PL-VTH-REC	N3	N3	CHIP	235	0.03	980	8.8
EXSHAW	LCBSM-SH	0.50	SH	PL-VTH-REC	N3	N3	CHIP	320	0.03	1260	10.5
EXSHAW	LCBSM-SH	0.50	SH	PL-REC	N3	N3	CHIP	315	0.05	1510	12.7
EXSHAW	LCBSM-SH	0.50	SH	PL-PX-REC	N3	N3	CHIP	285	0.04	1360	11.6
EXSHAW	LCBSM-SH	0.50	SH	PL-SI-REC-PX	5Y6/1		CHIP	180	0.08	1190	15.9
EXSHAW	SAPP EQUIV	0.50	SH	PL-SI-REC	5Y6/1		CHIP	185	0.06	850	10.1
EXSHAW	SAPP EQUIV	0.40	COVRD	PX-REC							
EXSHAW	SAPP EQUIV	0.50	SH	SSIIY-PL-VTH-P-NC	N4	N3	CHIP	322	0.11	270	27.9
EXSHAW	BSH	0.10	SS	PC-MG-CG-TH-P-RS	N4	N3	CHIP	250	3.70	60	52.8
PALLSR		1.00	LS	TKB-R	N4	N3					

EXSHAW FORMATION SECTIONS
STRATIGRAPHIC SECTION: 341

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Type Section-Exshaw Formation
NTS MAPSHEET: 8203E

LATITUDE/LONGITUDE-PRESENT: 51 550 115 1000
LATITUDE/LONGITUDE-PALINSPASTIC: 50 4800 115 5700
DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	ULM	13.00	LS	M-Z-SI-P	5Y8/4	N5	GRAB		0.08	40	1.5
EXSHAW	LCBSM-CALC	1.00	SH	FS-PL-CAL-REC			CHIP	105	0.11	130	3.3
EXSHAW	LCBSM-CALC	2.00	SH	FS-PL-CAL-REC	N5	N4	CHIP	150	0.10	370	6.3
EXSHAW	LCBSM-SH	2.00	SH	FS-PL-NC-REC	N3	N3	CHIP	270	0.06	1050	15.0
EXSHAW	LCBSM-SH	2.00	SH	FS-PL-REC-F	N3	N3	CHIP	250	0.06	1120	14.3
EXSHAW	LCBSM-SH	2.77	SH	FS-PL-REC	N3	N3	CHIP	300	0.07	850	20.0
EXSHAW	SAPP EQUIV	0.20	SLTST	WI-RS		N1	CHIP	300	0.07	850	20.0
EXSHAW	BSH	0.03	SS	PN-PC-CG-B-P-CAL	N7	N5	CHIP	300	4.90	40	52.4
PALLSR		1.00	LS	MB-TKB-CH-P	N5	N4					

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 348

LATITUDE/LONGITUDE-PRESENT: 51 1275 115 1375
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 5400 116 200
 DATUM USED: +PALR

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Saddle Peak
 NTS MAPSHEET: 8203E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	DK CALC SH	7.00	SH	PL-CAL	10YR7/4						
BANFF	DK CALC SH	5.00	SH	LSI-REC-CAL	N4						
EXSHAW	ULM	15.00	LS	AR-R	10YR5/4						
EXSHAW	LCBSM-SH	4.00	SH	PX-FS-REC	N4	N4	GRAB	150	0.10	1480	21.3
EXSHAW	SAPP EQUIV	0.10	LS	PQ-PC-BM-PX-REC	N4		CHIP	160	0.05	80	3.8
PALLSR		2.00	LS	CH-M-FI-R-A	N5						

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 349

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Rundie Gap
 NTS MAPSHEET: 8203W

LATITUDE/LONGITUDE-PRESENT: 51 413 115 2550
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 4200 116 2400
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	LST AND SH	10.00	LS	SHI-PL-TH-REC							
BANFF	DK CALC SH	8.50	SH	PL-CAL-SI-REC	N4		GRAB	150	0.16	200	7.0
BANFF	NONCALC SH	7.50	SH	PL-FS-NC-SI-REC	N4	N4	CHIP	320	0.60	790	11.9
EXSHAW	ULM	10.00	LS	SI-Z-P-R	10YR8/6		GRAB	127	0.12	70	2.0
EXSHAW	LCBSM-CALC	1.30	SH	FS-PL-REC-CAL	N4	N4	CHIP	370	0.13	290	14.0
EXSHAW	LCBSM-CHT	1.00	MDST	CH-RS	5PB3/2		CHIP	230	0.05	1360	10.8
EXSHAW	LCBSM-CHT	4.00	CHT	SHIY-VTH-MB-REC	5PB3/2		CHIP	360	0.07	840	9.3
EXSHAW	LCBSM-CHT	1.70	SH	SII-PL-NC-REC			CHIP	360	0.08	460	11.6
EXSHAW	LCBSM-CHT	1.00	SH	SI-SILC-NC-REC	N4	N4	CHIP	155	0.21	100	3.0
PALLSR		1.00	LS	M	N5						

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 356

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Oliver
 NTS MAPSHEET: 8206W

LATITUDE/LONGITUDE-PRESENT: 51 2475 115 2725
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 500 116 2200
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		1.00	SH	REC							
EXSHAW	ULM	12.00	LS	MB-TKB-Z-P-REC	5Y7/2		GRAB	80	0.08	60	2.1
EXSHAW	LCBSM-SH	4.50	SH	PL-MSC-REC			CHIP	250	0.05	1160	11.7
EXSHAW	LCBSM-SH	3.00	SH	PL-MSC-REC			CHIP	247	0.06	1380	11.2
EXSHAW	LCBSM-SH	0.30	SLTST	TH-BM-R	N4	N3	GRAB	220	0.40	190	20.1
EXSHAW	LCBSM-CHT	0.50	SH	CHI-PL-VTH-REC			CHIP	220	0.22	350	22.0
EXSHAW	LCBSM-CHT	0.20	COVRD	REC							
PALLSR		1.00	LS	CH-TKB-R	N7						

EXSHAW FORMATION SECTIONS
STRATIGRAPHIC SECTION: 357

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Otuskwan Ridge
NTS MAPSHEET: 82011W

LATITUDE/LONGITUDE-PRESENT: 51 3525 115 2850
LATITUDE/LONGITUDE-PALINSPASTIC: 51 1500 116 2200
DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	DK CALC SH	7.00	SH	PL-CAL-REC	N7						
EXSHAW	LCBSM-SH	6.00	LS	SI-TH-MB-R	10YR8/6		GRAB	80	0.04	100	1.8
EXSHAW	LCBSM-CHT	1.50	CHT	SHI-PX-PL-REC	N3		GRAB	80	0.10	50	2.0
EXSHAW	LCBSM-CHT	1.50	COVRD	REC-SLD			GRAB	230	0.11	1270	13.5
EXSHAW	LCBSM-CHT	1.00	CHT	SHI-PL-VTH-RS	N3		GRAB	260	0.16	520	15.5
EXSHAW	BBB	0.08	BENT	REC		N8	GRAB	245	0.07	20	6.5
PALLSR		0.10	LS	AR-R	10YR7/4		GRAB	205	0.33	20	15.9
PALLSR		1.00	LS	MB-R	N6						

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 362

LATITUDE/LONGITUDE-PRESENT: 51 875 115 3450
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 4400 116 4600
 DATUM USED: +PALR

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Sulphur Mountain
 NTS MAPSHEET: 8204E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		2.00	SH	FS-PX-REC	N4						
EXSHAW	ULM	4.50	LS	SI-MB-P-R	5Y6/4		GRAB		0.11	60	2.5
EXSHAW	LCBSM-CHT	3.00	SH	CHI-TH-REC		N3	CHIP		0.07	1200	11.1
EXSHAW	LCBSM-CHT	1.50	SH	CHI-FS-TH-REC		N3	CHIP	110	0.09	1340	13.4
EXSHAW	LCBSM-CHT	0.10	CGL	MG-REC		N3	CHIP	210	0.09	1340	13.4
EXSHAW	LCBSM-CHT	1.40	SH	CHI-FS-TH-REC		N3	CHIP	230	0.09	1340	13.4
EXSHAW	LCBSM-CHT	3.50	SH	CHI-FS-TH-REC		N3	CHIP	230	0.06	1380	12.1
EXSHAW	LCBSM-SH	3.50	SH	VTH-TH-SIY-REC		N3	CHIP	230	0.08	760	10.5
EXSHAW	LCBSM-SH	2.00	SH	PX-VTH-PL		N3	GRAB	170	0.08	720	10.1
EXSHAW	BSH	0.05	CGL	PB-CG-WC-RS	N3		CHIP		0.13	10	6.5
PALLSR		1.00	LS	FL-TH	N6						

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 368

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: East of Forty Mile Creek
 NTS MAPSHEET: 8205E

LATITUDE/LONGITUDE-PRESENT: 51 2050 115 4150
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 5500 116 5400
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		1.00	SH	FS-REC	5Y4/1						
EXSHAW	ULM	3.00	SLTST	MB-TKB-CAL-P-R	10YR7/4	N3	GRAB	150	0.11	60	
EXSHAW	LCBSM-CHT	4.50	CHT	SHI-PL-VTH-NC	N3	N3	CHIP	190	0.46	20	7.8
EXSHAW	LCBSM-SH	3.00	SH	PL-NC-REC	N3	N3	CHIP	160	0.16	540	5.0
EXSHAW		1.00	COVRD	REC							
PALLSR		1.00	LS	MB-R	N7			56			

EXSHAW FORMATION SECTIONS
STRATIGRAPHIC SECTION: 370

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Badger Pass
NTS MAPSHEET: 8205W

LATITUDE/LONGITUDE-PRESENT: 51 2475 115 5325
LATITUDE/LONGITUDE-PALINSPASTIC: 50 5000 117 4200
DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	ULM	4.00	LS	Z-SI-MB-TKB-P	10YR7/4		GRAB	100	0.09	60	2.1
EXSHAW	LCBSM-CHT	4.50	SH	CHI-PX-REC		N4	CHIP	125	0.14	130	2.5
EXSHAW		4.00	COVRD	REC							
EXSHAW	LCBSM-SH	0.40	SH	NC-PL-PX-REC	N4		GRAB	70	0.14	70	
EXSHAW	BSH	0.20	SS	MB-NC-REC	N4	N4	GRAB	109	0.07	40	1.6
PALLSR		1.00	LS	CH	N8	N3		60			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 372

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Cascade River-Headwaters
 NTS MAPSHEET: 8205W

LATITUDE/LONGITUDE-PRESENT: 51 2475 115 4850
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 4500 117 3600
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		1.00	CDVRD								
EXSHAW	LCBSM-SH	1.50	SH	PL-NC-REC	N4	N4	CHIP	410	0.16	440	17.6
EXSHAW	LCBSM-SH	4.20	SH	PL-NC-REC	N4	N4	CHIP	200	0.09	950	7.4
EXSHAW	LCBSM-CHT	3.00	SH	CHI-PL-NC-REC	N4	N4	CHIP	200	0.21	920	11.7
EXSHAW	LCBSM-CHT	3.00	SH	CHI-PL-NC-REC	N4	N4	CHIP	200	0.11	1410	11.7
EXSHAW	LCBSM-SH	3.00	SH	PL-NC-REC	N4	N4	CHIP	200	0.27	560	14.0
EXSHAW	BBB	0.10	BENT	REC	N9		CHIP	200	0.07	60	11.8
EXSHAW	BSH	0.08	SS	MG-VTH-REC	10YR6/6		GRAB		0.57	20	16.2
PALLSR		1.00	LS	MB-R	N8			65			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 376

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Panther River-Headwaters
 NTS MAPSHEET: 8205W

LATITUDE/LONGITUDE-PRESENT: 51 2975 115 4850
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 400 117
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	ULM	5.00	LS	Z-SI-P-R	10YR7/4	N5	GRAB	100	0.09	50	2.0
EXSHAW	LCBSM-CHT	1.30	CHT	SHI-FS-VTH-REC	10R3/4		CHIP	140	0.04	450	7.4
EXSHAW	LCBSM-CHT	1.20	CHT	SHI-PL-VTH-REC	10R3/4		CHIP	170	0.07	900	
EXSHAW	LCBSM-CHT	1.50	SH	CHI-PL-VTH-REC	10R3/4		CHIP	210	0.07	950	9.5
EXSHAW	LCBSM-SH	1.50	SH	PL-VTH-REC	10R3/4		CHIP	280	0.04	860	8.4
EXSHAW	LCBSM-SH	0.60	SH	PL-REC	N4	N4	CHIP	430	0.34	1430	31.9
EXSHAW	LCBSM-CHT	0.70	CHT	SHI-REC	N4	N4	CHIP	480	0.11	720	8.6
EXSHAW		1.50	COVRD								
PALLSR		1.00	LS	MB-CH-R	N8						

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 378

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Panther Mountain Gap
 NTS MAPSHEET: 82012E

LATITUDE/LONGITUDE-PRESENT: 51 3400 115 4300
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 1200 116 3400
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF		1.00	SH	FS-PL-REC	5Y6/1						
EXSHAW	ULM	2.50	LS	Z-SI-TKB-P-R	10YR5/4	N3	GRAB	107	0.09	60	2.1
EXSHAW	LCBSM-CALC	1.50	COVRD	REC							
EXSHAW	LCBSM-CALC	3.00	SH	PL-FS-CAL-REC	N1	N1	CHIP	160	0.16	510	8.4
EXSHAW	LCBSM-CHT	3.00	SH	CHI-PL-TH-NC-REC		N3	CHIP	175	0.09	1200	8.7
EXSHAW	LCBSM-CHT	1.80	CHT	SHI-PL-TH-NC-REC		N3	CHIP	250	0.18	290	15.1
EXSHAW	BSH	0.08	SS	PP-PE-MG-HEM-R	10YR6/6		CHIP	275	2.20	160	23.5
EXSHAW	BBB	0.02	BENT	SI-REC			CHIP	275	2.20	160	23.5
PALLSR		1.00	LS	MB-TKB	N7	N3		55			

EXSHAW FORMATION SECTIONS
 STRATIGRAPHIC SECTION: 382

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Tyrrell
 NTS MAPSHEET: 82012W

LATITUDE/LONGITUDE-PRESENT: 51 4075 115 5000
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 2100 116 4300
 DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
EXSHAW	LCBSM-SH	3.00	SH	PL-REC-NC	10R3/4	N4	CHIP	240	0.04	980	9.0
EXSHAW	LCBSM-SH	2.20	SH	PL-REC-NC	10R3/4	N4	CHIP	310	0.02	1410	8.5
EXSHAW	LCBSM-SH	0.10	SH	VTH-REC-NC		N4	CHIP	400	0.02	1150	8.4
EXSHAW	LPH	0.10	SS	P00-REC-NC	10YR6/6	N4	CHIP	1100	2.30	130	151.0
EXSHAW	LCBSM-CHT	0.45	SH	CHI-PL-VTH-NC	10R3/4	N4	CHIP	320	0.39	410	46.1
EXSHAW	LCBSM-CHT	0.60	SH	CHI-PL-VTH-REC	10R3/4	N4	CHIP	280	0.11	370	
EXSHAW		0.70	COVRD								
PALLSR		1.00	LS	R	N7	N9		134			

EXSHAW FORMATION SECTIONS
STRATIGRAPHIC SECTION: 404

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Timber Creek
NTS MAPSHEET: 82013E

LATITUDE/LONGITUDE-PRESENT: 51 5300 115 4050
LATITUDE/LONGITUDE-PALINSPASTIC: 51 3200 116 2400
DATUM USED: +PALR

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BANFF	LST AND SH	1.00	LS	Z-REC	5Y7/2	5Y7/2					
EXSHAW	LCBSM-SH	2.10	SH	FS-NC-REC	N3						
EXSHAW	LCBSM-SH	1.50	SH	PL-FS-NC-REC	10R3/4	N3	CHIP	160	0.09	1400	13.1
EXSHAW	LCBSM-SH	1.50	SH	FS-NC-REC	N4	N3	CHIP	230	0.04	1530	12.2
EXSHAW	LCBSM-SH	1.50	SH	FS-NC-REC	N4	N3	CHIP	230	0.07	1200	12.2
EXSHAW	LCBSM-SH	0.40	SH	PL-NC-REC	5Y6/1	N3	CHIP	275	0.09	1150	10.5
EXSHAW	BSH	0.10	SS	MG-NC-R		10YR6/6	CHIP	310	0.22	460	11.6
PALLSR		1.00	LS	MB-CRX-R	N7	N3	CHIP	200	0.21	60	8.6
								112			

ROCKY MOUNTAIN SUPERGROUP SECTIONS

Note 1. Formations

The following is a list of formation "translations" for the abbreviations used.

SULFM - Sulphur Mountain	MOWITT - Mowitch
WHITE - Whitehorse	RANGER - Ranger Canyon
FERNIE - Fernie Group	JOHNST - Johnston Canyon
KOOT - Kootney	KANASK - Kananaskis
TUNNEL - Tunnel Mountain	RUNDLE - Rundle Group
EXSHAW - Exshaw	BANFF - Banff
PALLSR - Palliser	COND-P - Condensed Permian
CARBON - Undifferentiated Carboniferous	BELCRT - Belcourt
ROSS CK - Ross Creek	TELFORD - Telford
BLAIRM - Blairmore	NIKAN - Nikanassin
WAPABI - Wapiabi	BLKSTNE - Blackstone
CARDIUM - Cardium	PERM-UND - Undifferentiated Permian

Note 2. Stratigraphic Units (Fig. 1)

Exshaw and Related Member/Beds

ULM -	Upper Limestone Member
LCBSM-Cht -	Lower Cherty Black Shale Member - cherty
LCBSM-Sh -	Lower Cherty Black Shale Member - shaly
LCBSM-Calc sh -	Lower Cherty Black Shale Member - calcareous shales below ULM
Sapp Equiv Lst -	Sappington Member Equivalent, Limestone
DK Calc Sh -	Dark Calcareous Shale - Banff Formation
Lst and Sh -	Interbedded Limestone and Shale - Banff Formation
Noncalc Sh -	Noncalcareous Shale above ULM - Banff Formation
BBB -	Basal Bentonite Bed
LPH -	Lower Phosphate Horizon
Undiff -	Undifferentiated Exshaw Formation
MPH -	Middle Phosphate Horizon
UBB -	Upper Bentonite Bed
UPH -	Upper Phosphate Horizon - above ULM
? -	Unknown or undefined

Rocky Mountain Supergroup Members/Beds (Fig. 2)

TMIC -	Tunnel Mountain Formation Intraformational Conglomeratic
TIFC -	Tunnel Mountain Formation Interformational Conglomeratic
KFIP -	Kananaskis Formation Intraformational Conglomeratic
JCIP -	Johnston Canyon Intraformational Phosphate
JCUP -	Johnston Canyon Upper Phosphate

RCBP - Ranger Canyon Formation Basal Phosphate
 RCIP - Ranger Canyon Formation Intraformational Phosphate
 RCUP - Ranger Canyon Formation Upper Phosphate
 MBP - Mowitch Formation Basal Phosphate
 MIP - Mowitch Formation Intraformational Phosphate
 MUP - Mowitch Formation Upper Phosphate
 ICP - Ishbel Condensed Phosphate
 ROSSCK - Ross Creek Formation Phosphate

Spray River Group Members/Beds (Fig. 3)

PHROSO - Phroso Member - Sulphur Mountain Formation
 VEGA - Vega Member - Sulphur Mountain Formation
 BPMP - Basal Phroso Member Phosphate and Black Shales
 WHISTLER - Whistler Member
 LLAMA - Llama Member
 OLYMPUS - Olympus Sandstone Member
 STARLIGHT - Starlight Evaporite Member
 WINNIFRED - Winnifred Member
 MCKENZIE - McKenzie Dolomite Bed
 PHROSO SH - Lower Phroso Black Shales
 LWMP - Lower Whistler Member Phosphate
 UWMP - Upper Whistler Member Phosphate
 MWMP - Middle Whistler Member Phosphate
 VMP - Vega Member Phosphate
 MWMP - Middle Whistler Member Phosphate
 WNMP - Winnifred Member Phosphate
 SEMP - Starlight Evaporite Member Phosphate

Fernie Members/Beds (Fig. 4)

BFP Peil - Basal Fernie Phosphate - Pelletal (Sinemurian)
 PAPER SH - Paper Shales (Toarcian)
 PASSAGE BEDS - Passage Beds (Oxfordian/Lower Portlandian)
 RX.CK SST - Rock Creek Member - Sandstone Facies (Bajocian)
 FRCLP - Rock Creek Member Lower Phosphate
 FRCUP - Rock Creek Member Upper Phosphate
 RX.CK LATO - Rock Creek Member Sensu Lato
 GREEN BEDS - Green Beds (Oxfordian)
 CORB BEDS - Gryphae/Corbulla munda fossil beds
 GREY BEDS - Grey Beds
 BFP CGL - Basal Fernie Phosphate - sandstone/conglomerate (Sinemurian)
 BENT - Bentonite Bed (Sinemurian)
 BENT BEDS - Bentonite bearing beds (Upper Sinemurian)
 RX.CK BENT - Bentonite in Rock Creek Member (Bajocian)

OXFORD BEDS - Dark Shales; large concretions,
 ironstones (Oxfordian)
 SINEM - Undifferentiated Sinemurian strata
 TOAR BENT - Bentonite in Toarcian Paper Shales
 TOAR PHOS - Paper Shales - Phosphatic
 U. SINEM - Upper Sinemurian undifferentiated
 PLIEN - Pliensbachian - Red Deer Member,
 undifferentiated
 FOB - Fernie Oxytoma Bed
 RDMP - Red Deer Member Phosphate
 NORDG - Nordegg Member includes Nordegg Member
 Phosphates (NMP)
 NMLSP - Nordegg Member Lower Shale Phosphate
 GRAIN FL - Undifferentiated Grain Flow Deposits
 L. SINM/BENT - Lower Sinemurian Bentonites
 SINM/PLIEN - Sinemurian or Pliensbachian Strata
 SINM BENT - Undifferentiated Sinemurian Bentonites

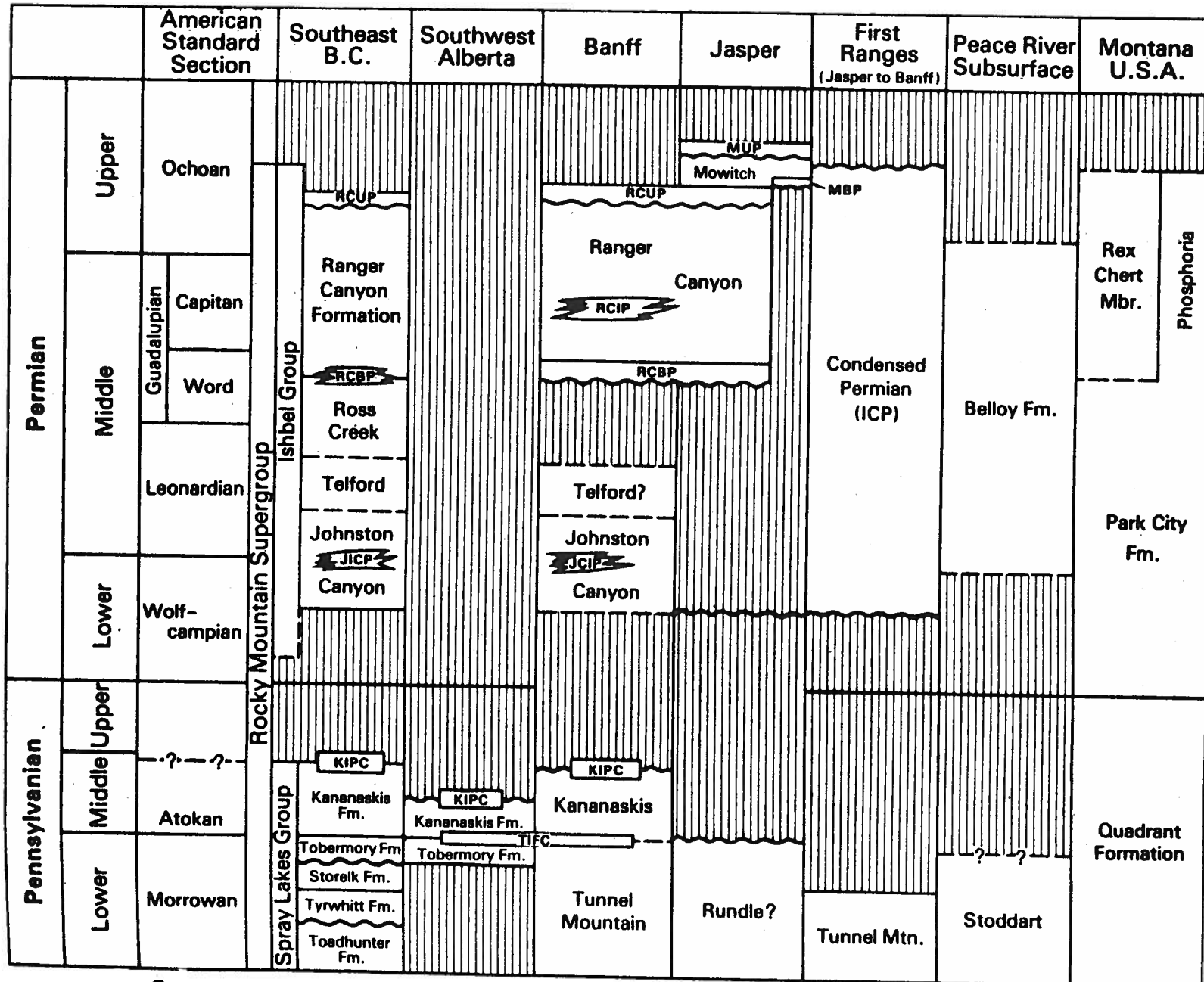


Figure 2. Nomenclature and stratigraphic correlation chart of the Rocky Mountain Supergroup, Alberta, British Columbia and Montana

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 2

LATITUDE/LONGITUDE-PRESENT: 52 500 115 5400
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 5000 116 3300
 DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Ram River-West of Falls
 NTS MAPSHEET: 83B4E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	6.00	SLTST	VTH-TH-REC							
COND-P		0.00									
RUNDLE		3.00	DOL	MB-TKB-CH-R	N8	N7					

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 3

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Ram River-First Ranges
 NTS MAPSHEET: 83B4E

LATITUDE/LONGITUDE-PRESENT: 52 450 115 5900
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 4700 116 4400
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		15.00	SS	V-TH-RS							
MOWIT		1.00	SS	CH-PE-MB-TKB-R	10YR2/2	5Y2/1	GRAB				
RANGER		9.00	CHT	M-R	5B9/1	5B7/1	CHIP	51	0.19	20	1.2
RANGER		13.00	COVRD								

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 4

LATITUDE/LONGITUDE-PRESENT: 52 675 115 5675

LATITUDE/LONGITUDE-PALINSPASTIC: 51 4800 116 3300

DATUM USED: +SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Lynx Creek-Headwaters
 NTS MAPSHEET: 83B4W
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
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 0.00

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 8

LATITUDE/LONGITUDE-PRESENT: 52 5900 117 2100

LATITUDE/LONGITUDE-PALINSPASTIC: 52 3600 118 200

DATUM USED: +RYMT

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Whitehorse Creek
 NTS MAPSHEET: 83C14W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.06	COVRD								
COND-P	ICP	0.20	CGL	PB-CH-RS-CAL-QZC			GRAB	170	3.53	40	15.0
RUNDLE		2.00	DOL	MCRX-TKB-M-R	N7	N6		26			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 11

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: McLeod River
 NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 5875 117 1975
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 3900 117 4600
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (GPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	5.00	SLTST	MB-TKB-FG-SP-CH	N7	N7	GRAB	72	0.07	20	1.3
PERM-U		0.01	CGL	WCO-RS			GRAB	52	0.02	10	0.6
RUNDLE		2.00	DOL	CRX	5Y4/1	N4					

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 16

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Hummingbird Creek-South Fork

NTS MAPSHEET: 83C1E

LATITUDE/LONGITUDE-PRESENT: 52 200 116 520

LATITUDE/LONGITUDE-PALINSPASTIC: 51 3700 116 5000

DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH. COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	COVRD								
MOWIT		1.00	COVRD	J							
MOWIT		2.00	SS	R							
RANGER		4.00	CHT	M-R	5YR3/4	10YR6/2	GRAB	1.55	80	5.4	
RANGER		1.00	SS	FG-MG-MB-R	5PB7/2	5PB5/2	GRAB	0.88	20	2.5	
RANGER		1.00	SS	V-R	5PB7/2	5Y6/1	GRAB	2.15	20	4.7	
KANASK		5.00	COVRD	J							
KANASK		1.00	QZT	MB-R-J	N6	N8					
CARBON		3.00	COVRD								
CARBON		1.00	DOL	R	5Y8/4	N7					

ROCKY MOUNTAIN SUPERGROUP SECTIONS
STRATIGRAPHIC SECTION: 21

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Two O'Clock Creek
NTS MAPSHEET: 83C1W

LATITUDE/LONGITUDE-PRESENT: 52 380 116 2525
LATITUDE/LONGITUDE-PALINSPASTIC: 51 2900 117 2900
DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	COVRD	J							
MOWIT		5.00	QZT	M-HEM-GK-BR-CH-R	N3	N3	GRAB				
MOWIT		5.00	SS	CH-R-M	5Y6/1	N4		112	0.51	10	2.7
MOWIT		2.10	COVRD					56			
MOWIT		1.50	SS	PT-R-M-WC-CH	5Y6/1	N4	GRAB	79	2.35	20	6.0
RANGER	RCBP	3.50	CHT	PT-MB-R	5R8/2		GRAB	53	1.02	20	3.5
RANGER		0.20	PHOS	PC-RS-V-CB	10YR7/4	N3	CHIP	250	22.60	100	60.9
TUNNEL		0.20	DOL	MCRX-CH-R	N7	N6					
TUNNEL		1.50	SS	CS-FG-MG-MB-TKB	10YR6/2	N7		63			
TUNNEL		7.50	DOL	MB-TKB-MCRX-CH-R	N8	N8					
TUNNEL		0.50	SS	MG-WC-WCO-R	10YR4/2	10YR6/2					
TUNNEL	TMIC	0.10	CGL	PT-CH-R			GRAB		1.22	60	8.8
TUNNEL		8.00	DOL	CRX-TKB-AR-R	5Y5/2	5Y5/2		87			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 30

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Bighorn Range
 NTS MAPSHEET: 83C9W

LATITUDE/LONGITUDE-PRESENT: 52 2966 116 2700
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1300 117 100
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	15.00	SLTST	VTH-MB-REC	5YR4/1	5P6/2	GRAB	80	0.44	40	
SULFM	PHROSO	10.00	COVRD								
KANASK		3.00	QZT	MB-R	5Y6/1	N5					
CARBON		2.00	DOL	CRX-R	5Y7/2	5Y6/1					

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 31

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Bighorn Range-South
 NTS MAPSHEET: 83C08W

LATITUDE/LONGITUDE-PRESENT: 52 2775 116 2175
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1100 116 5300
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST								
COND-P		0.30	SS	QZC-CH-ZC-WCO	5YR4/4						
KANASK		2.70	CHT	HAK-R	N9						
TUNNEL		0.10	SS	MB-MG-WC-REC	5YR4/4						
RUNDLE		1.00	DOL	MB-CH-VG-R	5Y6/1						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 34

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Smith Creek
 NTS MAPSHEET: 83C10E

LATITUDE/LONGITUDE-PRESENT: 52 3400 116 3400
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1600 117 500
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	4.00	SLTST	VTH-MB	5R4/2	5R6/2					
SULFM		3.00	COVRD								
KANASK		4.50	CHT	HAK-R	N8	5Y6/1	GRAB		1.42	20	3.5
KANASK		1.50	QZT	CHI-BR-R-WC	5Y8/1	N8					
CARBON		2.00	DOL	TKB-R	N7	N7					

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 35

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Goat Creek-Headwaters
 NTS MAPSHEET: 83C7E

LATITUDE/LONGITUDE-PRESENT: 52 1625 116 3333
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 5500 117 1400
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		4.00	SLTST	Z-REC	5Y6/1	N8					
MOWIT		2.00	SS	MG-CG-R	N6	N8					
MOWIT		4.20	COVRD								
MOWIT		6.00	SS	FG-R	5YR3/4	N7					
RANGER		0.80	CHT	M-R	N8	N9					
RANGER		5.80	SS	TKB-CG-QZC-MB	5YR3/4	N7					
RANGER	RCBP	0.45	PHOS	PN-MG-CG-FU-PQ			CHIP	35	15.51	60	11.3
KANASK		3.80	CHT	SSI-WC-M-R	N8	N9	GRAB	100	1.04	20	0.5
TUNNEL		1.50	DOL	MB-TKB-WBP-CH-SR	N7	N6					
TUNNEL		1.80	SS	TH-MB-V-WBP-R	10YR5/4	5Y7/2					
CARBON		2.00	DOL	MB-TKB-MCRX-CH-R	N7						

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 38

LATITUDE/LONGITUDE-PRESENT: 52 2650 116 4550

LATITUDE/LONGITUDE-PALINSPASTIC: 52 300 117 2600

DATUM USED: -SULM

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Job Creek-North Fork

NTS MAPSHEET: 83C7W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	4.00	SLTST	VTH-TH-REC	N4						
SULFM		8.90	COVRD	REC							
MOWIT	MUP	0.10	SS	PN-PC-B-FI-RS			GRAB	120	10.40	110	31.3
MOWIT		9.00	SS	FG-MG-TKB-WCO-R	5Y6/1	5Y6/1					
RANGER	RCIP	5.30	SS	PT-CH-M	N7	5B7/1	GRAB		1.00	60	1.6
RANGER	RCBP	0.10	SS	PQ-RS			CHIP	265	14.30	70	15.5
RANGER	RCBP	0.30	SS	PC-CG-MG-RS-PQ			CHIP	265	14.30	70	15.5
RANGER	RCBP	0.20	CGL	PC-RS			CHIP	265	14.30	70	15.5
RANGER		1.60	CGL	PB-CH-REC-CG	10YR6/2						
KANASK		2.50	SS	CG-R-M	10YR4/2	5B7/1					
KANASK		0.50	CHT	R							
KANASK	TIFC	1.50	CGL	PB-PC-M-CH-AR			CHIP	120	1.73	40	4.8
TUNNEL		2.30	DOL	CH-SR-N-R	5Y8/1	N6					
TUNNEL		4.90	SS	MG-CG-TKB-M-WC-R	N8	10YR8/6					
CARBON		2.00	DOL	CRX-CH-R	N9	N6					

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 41

LATITUDE/LONGITUDE-PRESENT: 52 300 116 1700

LATITUDE/LONGITUDE-PALINSPASTIC: 51 3700 117 1300

DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Whiterabbit Creek Ridge
 NTS MAPSHEET: 83C1W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSD	1.00	SLTST	REC							
MOWIT		0.50	SS	FG-TKB-ZC-CH-R	10YR6/2						
RANGER		3.00	CHT	M-HAK	5PB5/2						
RANGER		0.70	CGL	WBP-REC			GRAB	79	0.79	40	8.9
RANGER	RCBP	0.60	CGL	PN-PC-R			GRAB	110	7.90	50	19.1
TUNNEL		10.50	DOL	CH-A-MB-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 43

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Coral Creek Mouth
 NTS MAPSHEET: 83C2E

LATITUDE/LONGITUDE-PRESENT: 52 1075 116 3200
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 4000 117 4200
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	J							
SULFM	PHROSO	0.50	COVRD	J							
RANGER		13.00	CHT	M-HAK-CD	5PB3/2						
RANGER	RCBP	0.50	CGL	PC-PN-R	5PB5/2						
TUNNEL		1.50	SS	MG-CG-MIC-WC-R	5Y8/4	N6	CHIP GRAB	23.00	135	85.7	
TUNNEL		0.50	DOL	A-MB	N7			1.55	30	4.9	
TUNNEL		0.60	SS	FG-MG	5Y7/2						
CARBON		1.00	DOL	MB-TKB	N7						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 48

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Ram Range-North
 NTS MAPSHEET: 83C1W

LATITUDE/LONGITUDE-PRESENT: 52 1100 116 1700
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 5200 117 200
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	VEGA	40.00	SLTST	PL-MB-REC	10YR4/2		GRAB	105	0.43	40	2.5
SULFM	PHROSD	29.00	SLTST	PL-VTH-REC	10YR4/2		GRAB	90	0.11	50	1.5
MOWIT		0.70	SS	CH-TKB-FG-R	10YR4/2						
RANGER		10.00	CHT	HAK-M-R	N9			56			
RANGER		0.70	SS	CG-R	N4						
RANGER	RCBP	0.10	CGL	PB-RS			GRAB	110	21.10	80	16.3
TUNNEL		7.00	SS	FG-MB	10YR7/4			48			
TUNNEL		0.95	SS	FG-P-Z-CH-R				48			
TUNNEL	TMIC	0.05	PHOS	PB-RS				48			
TUNNEL		5.00	SS	QZC-TKB-R	N6			48			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 51

LATITUDE/LONGITUDE-PRESENT: 52 1600 116 4075
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3600 117 5600
 DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Coral Creek-Headwaters
 NTS MAPSHEET: 83C7E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	CU							
RANGER		5.50	CHT	HAK	5PB5/2						
RANGER		1.00	SS	FG-MG	10YR4/2						
RANGER		4.50	CHT	HAK	N7						
TUNNEL		1.50	QZT	MB	N7						
TUNNEL		1.10	SS	MB-MG	5Y7/2						
CARBON		1.00	DOL	MB	N8						

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 53

LATITUDE/LONGITUDE-PRESENT: 52 2225 116 5600

LATITUDE/LONGITUDE-PALINSPASTIC: 51 3500 118 600

DATUM USED: -SULM

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Mt. McDonald

NTS MAPSHEET: 83C7W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	PL							
RANGER		3.00	CHT	M-HAK	5PB5/2			140			
RANGER		5.00	CHT	M-HAK	N9			140			
RANGER	RCBP	0.65	SS	PC-MG-MB-NC-WC	N5		CHIP	270	3.78	40	14.8
CARBON		1.00	DOL	MB	N8			90			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 55

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Rocky River-Jacques Lake Trail
 NTS MAPSHEET: 83C13E

LATITUDE/LONGITUDE-PRESENT: 52 5900 117 4000
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 3500 118 2100
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSD	3.00	SLTST	VTH-REC-WC	N4		GRAB	115	0.23	50	2.6
RANGER		0.60	CHT	SSI-FG-R	5PB7/2	5PB3/2	GRAB	80	0.67	10	1.5
RANGER		6.00	SS	FG-MB-TKB-R	N6			48			

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 57

LATITUDE/LONGITUDE-PRESENT: 52 5333 117 2933

LATITUDE/LONGITUDE-PALINSPASTIC: 52 2700 118 700

DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Blackface Mountain
 NTS MAPSHEET: 83C13E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSD	3.00	SLTST	SHI-PL-TH-REC	N4		CHIP	270	0.41	940	14.7
MOWIT	MUP	0.20	CGL	PC-F-B-R	N3		GRAB	320	2.10	80	14.5
MOWIT		4.00	SS	FG-MB-TKB-R	10YR8/6			50			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 61

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Deception Mountain
 NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 5000 117 2200
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 2500 118
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	PL-REC	10YR6/2			110			
MOWIT	MUP	0.05	CGL	PC-RS-CH			GRAB	505			
MOWIT	MUP	0.15	SS	FG-P-RS	N4	N3	GRAB	505			
MOWIT		0.10	COVRD								
MOWIT		1.50	SS	MB-FG-MB-R	5Y6/1						
MOWIT		1.00	DOL	CH-RS	N7						
MOWIT		2.00	COVRD								
RANGER		3.50	CHT	SSI-HAK-R							
RANGER		1.00	SS	CH-TKB-R	N6						
CARBON		5.00	DOL	CH-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 62

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Rocky River-Headwaters
 NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 4633 117 2617
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1000 118 1400
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	2.00	SLTST	VTH-FL-REC	N3	N3	GRAB	105	0.21	30	2.5
SULFM	PHROSO	0.40	CDVRD	REC							
MOWIT		0.30	QZT	MB-R		5PB5/2					
MOWIT		0.90	QZT	MB-R							
MOWIT	RCUP	0.10	CGL	PT-J							
RANGER		15.00	QZT	CH-M-R	N8	5B7/1	GRAB	33	1.50	50	3.3
RANGER		3.00	QZT	CH-M-TKB-R	5PB3/2	5PB5/2		33			
RANGER	RCBP	0.10	CGL	PC-RS	5Y6/1	N4	GRAB	82	4.50	60	14.2
CARBON		1.00	DOL	MB-TKB-CH	10YR7/4						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 64

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Southesk Pass
 NTS MAPSHEET: 83C11E

LATITUDE/LONGITUDE-PRESENT: 52 4325 117 0750
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 2000 117 5000
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	12.00	SLTST	PX-PL-FS-REC	N4		GRAB	110	0.40	80	4.1
MOWIT		1.00	SS	PC-BM-MB-FG-R			GRAB	115	3.20	70	6.7
MOWIT		4.50	SS	MB-FG-MG-R	N7	10YR6/2		70			
RANGER		4.00	CHT	HAK-M-R	N7	N7		35			
RANGER	RCBP	0.40	CGL	PB-WC-RS			GRAB	260	28.30	240	44.9
CARBON		14.00	DOL	A-CH-SR-R	5Y7/2	N6		63			

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 66

LATITUDE/LONGITUDE-PRESENT: 52 3500 117 400

LATITUDE/LONGITUDE-PALINSPASTIC: 52 100 117 4700

DATUM USED: +MISN

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Southesk River

NTS MAPSHEET: 83C11E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	15.00	SLTST	VTH-BM-REC	5Y4/1	5Y4/1	GRAB	150	0.25	60	2.4
SULFM	PHROSO	10.00	COVRD								
RANGER		2.00	CHT	PT-HAK-R-MB	5PB3/2	5B5/1	GRAB	110	1.40	30	3.3
RANGER		1.30	SS	PT-MG-MB-FG	5Y2/1	5Y4/1	CHIP	240	3.70	50	6.0
RANGER		0.30	SS	CHI-FG-MB	5Y4/1						
RANGER	RCBP	0.20	CGL	PB-CH-RS			GRAB	148	4.30	50	3.9
CARBON		4.00	DOL	TKB-R	5Y7/2	5Y6/1		40			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 68

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Dalhousie
 NTS MAPSHEET: 83C11E

LATITUDE/LONGITUDE-PRESENT: 52 3775 117 0
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1400 117 4000
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	10.00	COVRD	REC							
RANGER		1.50	QZT	MB-R	5Y4/1	5Y4/1		57			
RANGER		1.00	CHT	HAK-M-R	5B5/1			57			
RANGER		6.00	QZT	CH-M-R	N8			57			
RANGER	RCBP	0.20	CGL	PB-CH-RS	5B5/1	N3	GRAB	150			
CARBON		5.00	DOL	A-CH-MB-TKB-R	5Y7/2	5Y6/1		50			

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 71

LATITUDE/LONGITUDE-PRESENT: 52 1400 116 2725

LATITUDE/LONGITUDE-PALINSPASTIC: 51 4700 117 2700

DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Highway 11-Roadcut
 NTS MAPSHEET: 83C1W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		0.00	?								
MOWIT		28.60	SS	PT-MG-R-GK			GRAB		1.56	40	3.9
RANGER		13.00	CHT	VG-M-SLK	5Y6/4	5PB3/2	GRAB	45	0.66	30	1.7
RANGER		1.00	SS	TKB-WCD	5Y7/2	N4		115			
RANGER	RCBP	0.15	CGL	PC-PQ-CHC-RW	N4	N4	CHIP	185	2.50	60	7.1
TUNNEL		2.50	SS	PT-CH-MB-WC-REC	N3	N3	GRAB	110	1.75	50	7.4
TUNNEL		1.00	SS	PT-HZB-VB-PR-VI	N4	N3	CHIP	90	2.72	30	5.2
TUNNEL		0.10	CGL	PT-SI-WBP-CHC	N3	N3	GRAB	120	1.20		6.5
TUNNEL		0.55	SH	CHC-REC-WC-SI-TH	N4	N1	GRAB	74	3.74	90	6.2
TUNNEL		1.40	QZT	PT-TKB-FX-SLK-CD	N7	N6		72			
TUNNEL		6.00	SLTST	MB-TKB-CH-SLK	N7	N4		47			
TUNNEL		6.00	DOL	CH-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 75

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Opabin Creek-West
 NTS MAPSHEET: 83C10W

LATITUDE/LONGITUDE-PRESENT: 52 3225 116 5175
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1000 117 3500
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST								
MOWIT		0.50	SS			10YR4/2					
RANGER		7.00	CHT	M-HAK	N6			60			
RANGER	RCBP	1.00	CGL	PN-PC-CH-D-REC	N3		CHIP	260	7.68	80	16.6
CARBON		0.50	BRCH					65			
CARBON		0.50	DOL					65			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 77

LATITUDE/LONGITUDE-PRESENT: 52 4700 117 4050
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 400 118 4100
 DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Maligne River
 NTS MAPSHEET: 83C13E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	PL							
MOWIT		2.00	COVRD								
MOWIT		2.00	SS	MB-MG							
MOWIT	RCUP	0.50	CGL	NP-CH							
RANGER		21.00	CHT	M	5PB3/2						
RANGER		0.70	CHT	PT-M-HAK-WC-BM	5PB3/2		GRAB	170	3.30	50	14.8
RANGER	RCBP	0.70	CGL	PN-PC-FI-SIL-BM			CHIP	400	11.90	80	39.1
CARBON		0.10	COVRD								
CARBON		1.00	DOL	MB-A	5Y8/1			145			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 81

REFERENCE: Telfer-1933
 LOCALITY NAME: Grisetete Mountain
 NTS MAPSHEET: 83C13W

LATITUDE/LONGITUDE-PRESENT: 52 5675 117 5750
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 700 119 400
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SH	TH-REC							
MOWIT		1.52	CHT	R							
MOWIT		9.75	QZT	R							
RANGER		22.86	CHT	R							
RANGER	RCBP	0.24	PHOS	PN-RS							
CARBON		2.00	LS	R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 88

REFERENCE: Mcgugan and Rapson-various
 LOCALITY NAME: Arete Mountain
 NTS MAPSHEET: 83C07W

LATITUDE/LONGITUDE-PRESENT: 52 2725 116 5725
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 5400 118
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	J							
MOWIT		1.50	SS	J							
RANGER		4.00	CHT	J							
RANGER		1.00	SS	FI-J							
KANASK		1.00	CHT	J							
CARBON		2.00	DOL	CH-R-J							

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 90

LATITUDE/LONGITUDE-PRESENT: 52 2900 116 5400

LATITUDE/LONGITUDE-PALINSPASTIC: 52 100 117 4700

DATUM USED: -SULM

REFERENCE: Mcgugan and Rapson-various
 LOCALITY NAME: Valley Head Mountain
 NTS MAPSHEET: 83C07W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	J							
RANGER		8.00	CHT	J-R							
RANGER		5.00	SS	J-CH							
RANGER	RCBP	0.20	CGL	J							
KANASK		2.00	CHT	J							
CARBON		24.00	DOL	CH-J							

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 92

LATITUDE/LONGITUDE-PRESENT: 53 2825 118 1625

LATITUDE/LONGITUDE-PALINSPASTIC: 53 2100 118 3000

DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Wildhay River
 NTS MAPSHEET: 83E08W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SS	FG-REC							
COND-P		0.04	CGL	PB-CH-RS	N4	N4	GRAB		3.20	140	7.1
RUNDLE		1.00	DOL	TKB-MCRX-R	N7	N6					

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 94

LATITUDE/LONGITUDE-PRESENT: 53 2950 118 1050
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2400 118 2000
 DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Hoff Range-Wildhay River
 NTS MAPSHEET: 83E8E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	6.00	SLTST	TH-PL-REC							
COND-P		0.00									
RUNDLE		2.00	DOL	A-MB-TKB-SHIY-R	5Y7/2	5Y6/1					
RUNDLE		1.00	QZT	NC-R		N5					

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 95

LATITUDE/LONGITUDE-PRESENT: 53 3900 118 3800

LATITUDE/LONGITUDE-PALINSPASTIC: 53 2500 118 5400

DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Berland Range-North
 NTS MAPSHEET: 83E10E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	PL-VTH-REC	5YR6/4						
COND-P	ICP	0.50	CGL	J-PB-CH-REC-F			GRAB		3.80	80	7.3
RUNDLE		1.00	DOL	FX-R	5Y4/1	N5					

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 97

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Llama Mountain
 NTS MAPSHEET: 83E14W

LATITUDE/LONGITUDE-PRESENT: 53 4775 119 3000
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2000 120 600
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	REC							
MOWIT		0.91	SS	FG-QZC-TH-M-R							
MOWIT		2.44	SS	FG-CAL-M-CAL-VI							
MOWIT		12.19	SS	FG-QZC-WI-CH-SR							
RANGER	MPB	0.70	CGL	PB-CH-HEM-RS	N4	5YR6/4	CHIP	130	4.55	100	20.0
RANGER		13.11	CHT	SSI-DOI-R							
BELCRT		9.14	SS	FG-WI-R							
BELCRT		0.10	CGL	PT-RS-CH	N6		GRAB	25	1.40	20	4.6
RUNDLE		1.00	DOL	R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 100

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Mt. Cote

NTS MAPSHEET: 83E13W

LATITUDE/LONGITUDE-PRESENT: 53 5275 119 5650

LATITUDE/LONGITUDE-PALINSPASTIC: 53 1300 120 3600

DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	COVRD	J							
MOWIT		1.00	COVRD	J							
MOWIT		1.00	SS	FG-MB-NC	5Y7/2						
MOWIT		9.00	CHT	M-HAK	N9			35			
MOWIT		10.50	SS	QZC-NC-M-POR-WF	N7	5Y7/2		61			
RANGER		8.00	CHT	M-HAK	N9			30			
RANGER		5.00	CHT	M-HAK	N4			30			
RANGER	RCBP	0.30	SS	PQ-MG-ARK	10YR6/2		CHIP	186	4.60	180	34.5
RANGER	RCBP	0.10	CGL	PN-PC-WC			CHIP	186	4.60	180	34.5
RANGER		4.50	CHT	M-HAK	N4			25			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 102

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Muddywater River Ridge
 NTS MAPSHEET: 83E13E

LATITUDE/LONGITUDE-PRESENT: 53 4550 119 3125
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1000 120 800
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	VTH-REC							
MOWIT		20.00	SS	PX-J-VTH-REC	10YR6/2			120			
MOWIT		10.00	SS	VTH-REC	10YR6/2						
MOWIT		2.70	CHT	M-HAK	N9			35			
MOWIT		23.00	SS	VTH-TKB-FG	10YR6/2			65			
MOWIT		4.00	CHT	M-HAK	N9			34			
MOWIT		8.00	SS	M-FG	10YR6/2			71			
RANGER		1.50	CHT	SSI-M							
RANGER		4.50	CHT	M-HAK	5B8/2			60			
RANGER	RCBP	0.20	CGL	PC-SPR			GRAB	214	15.20	140	34.7
BELCRT		3.00	SS	POI-MB-MG	N8						
BELCRT		1.00	DOL	MB-FXL	N8	5Y6/1					
BELCRT		4.50	CHT	M-HAK-SSR-SSI	N9			50			
BELCRT		1.00	DOL	CH-BL-MB	N8			58			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 105

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Adams Lookout
 NTS MAPSHEET: 83E10E

LATITUDE/LONGITUDE-PRESENT: 53 4475 118 3733
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 4100 118 4200
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSD	4.00	SLTST	VTH-REC	10YR6/2			160			
COND-P	ICP	0.10	CGL	PB-PC-CH-D-RS	10YR6/2		GRAB	120	11.30	140	13.4
BELCRT		2.50	DOL	MB-TKB-R	N8			40			
BELCRT		4.50	SS	MG-TKB-QZC-CH-SR	5Y7/2			40			
BELCRT		3.00	DOL	MB-TKB-CHY	N8			40			
BELCRT		11.00	SS	FG-TKB-R	5Y4/1			40			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 107

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Zebra Mountain
 NTS MAPSHEET: 83E9W

LATITUDE/LONGITUDE-PRESENT: 53 3250 118 2400
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2200 118 4400
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	10.00	SLTST	VTH-REC	10YR6/2		GRAB	40	0.36	790	3.4
COND-P		0.15	CGL	PB-CH-D-WC-WCD	10YR8/6		GRAB	100	13.10	170	19.5
RUNDLE		1.00	DOL	MB-R	NB			46			

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 109

LATITUDE/LONGITUDE-PRESENT: 53 3050 118 2000

LATITUDE/LONGITUDE-PALINSPASTIC: 53 1900 118 4000

DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Shrew Creek
 NTS MAPSHEET: 83E9W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	10.00	SLTST	VTH-REC	10YR6/2		GRAB	80	0.50	70	4.1
RUNDLE		1.00	DOL	MB-R	N7	5Y6/1		90			
COND-P		0.00									

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 113

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Monaghan Creek-South Ridge
 NTS MAPSHEET: 83E10W

LATITUDE/LONGITUDE-PRESENT: 53 3275 118 5433
 LATITUDE/LONGITUDE-PALaeOSPASTIC: 53 200 119 3700
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
MOWIT		4.50	SS	MG-R	10YR6/2			60			
SULFM	PHROSO	10.00	SH	REC	N3		GRAB	120	0.24	80	3.9
MOWIT		2.00	CHT	HAK-M-R	N9			60			
MOWIT		1.50	CHT	SSI-MG-R	N7			60			
MOWIT		15.00	SS	MG-M-R	10YR4/2			70			
RANGER		3.00	CHT	M-R	5PB5/2			60			
RANGER	RCBP	0.50	CGL	PC-RS			CHIP	110	3.40	70	8.7
BELCRT		0.50	CHT	R							
BELCRT		0.50	SS	MB	5YR6/4						
RUNDLE		1.00	DOL	R	N8						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 116

LATITUDE/LONGITUDE-PRESENT: 53 3275 118 4200
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 600 119 1500
 DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: South Berland-Headwaters
 NTS MAPSHEET: 83E10E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSD	5.00	SLTST	VTH-REC-SSIIY-XB	10YR6/2			90			
MOWIT	MUP	0.10	SS	PB-RS	10YR4/2		GRAB	210	18.60	210	45.3
MOWIT		1.50	SS	MB-MG-CG-R	10YR4/2			50			
MOWIT		10.00	SS	CHI-SR-M-R	10YR4/2						
RANGER RUNDLE	MPB	0.20	CGL	PC-D-CH-RS			CHIP	170	19.40	80	26.9
		5.00	DOL	CH-A-R	N8	5Y4/1		45			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 117

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Rocky Pass
 NTS MAPSHEET: 83E10W

LATITUDE/LONGITUDE-PRESENT: 53 3850 118 5633
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1000 119 2900
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	10.00	SH	SI-PL-REC	N3		GRAB	120	0.46	80	3.3
MOWIT		16.00	SS	TKB-FG-CH-R	10YR6/2	10YR6/2		60			
RANGER	MPB	0.20	CGL	PB-PC-CH			GRAB	110	14.00	90	19.8
RANGER	MPB	0.80	CGL	PC-RS			GRAB	75	1.11	100	2.9
RANGER		1.40	SS	BR-CH-WCO-R	N6			70			
RUNDLE		1.00	DOL	MB-R	N8						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 122

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Talbot Lake
 NTS MAPSHEET: 83E1E

LATITUDE/LONGITUDE-PRESENT: 53 500 118 125
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 3800 118 4400
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	3.00	SLTST	VTH-REC	10YR6/2	5Y4/1		112			
SULFM	PHROSO	7.50	COVRD	REC							
MOWIT		1.50	SS	TH-R	10YR6/2	5YR8/1		60			
MOWIT		8.00	SS	MG-MB-QZC-R	10YR6/2	5YR8/1		71			
RANGER		10.50	CHT	M-HAK-R	N9			53			
RANGER		3.00	CHT	M-HAK-R	N9			55			
RANGER		1.50	SS	MG-CH-TKB-R	5Y6/1			55			
RANGER	RCBP	0.30	CGL	PB-PC-CH-D		N3	CHIP	90	0.05	10	5.8
CARBON		36.00	DOL	CH-MB-A-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 127

REFERENCE: Walasko-1962
 LOCALITY NAME: Mt. Thornton
 NTS MAPSHEET: 83E01W

LATITUDE/LONGITUDE-PRESENT: 53 975 118 1675
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 3600 119 600
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	10.00									
MOWIT		7.62	SS	QZC-V-R							
RANGER		58.52	CHT	M-SSI-R							
RANGER	RCBP	0.30	CGL	CH-PE-R-WC							
RUNDLE		1.00	DOL	R-Z-MC-RX							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 12B

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Morro Peak
 NTS MAPSHEET: 83E1E

LATITUDE/LONGITUDE-PRESENT: 53 300 118 400
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 3200 118 4700
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SS								
SULFM	PHROSO	2.00	COVRD								
MOWIT		7.00	QZT	CH-M-R	5PB5/2			65			
MOWIT		9.00	QZT	CH-GK-M-R	5PB5/2			47			
RANGER		16.50	CHT	HAK-R	N9			50			
RANGER		0.25	SH	PC-SSI-FR-RS	N1	N1	CHIP	109	0.30	60	6.7
RANGER		3.00	CHT	HAK-R	5PB5/2			75			
RANGER		0.30	SS	CB-EC-MG-R							
RANGER	RCBP	0.35	SS	PB-FG-MG-WCO-FU	N1		CHIP	521	14.86		63.0
RANGER		0.10	QZT	R		N4	CHIP	259	0.07	40	2.6
RANGER		0.10	SH	REC		10Y6/2	CHIP	259	0.07	40	2.6
RANGER		0.10	SS	FG-R			CHIP	259	0.07	40	2.6
RANGER		0.90	SS	CGL-FG-MG-WC-R							
CARBON		1.10	MDST	D-CH-MB-TKB-R							
CARBON		0.20	SH	REC							
CARBON		3.00	DOL	R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 133

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Bosche Range-North
 NTS MAPSHEET: 83E8E

LATITUDE/LONGITUDE-PRESENT: 53 2350 118 1350
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5900 118 5100
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	8.00	SLTST	PL-VTH-REC	10YR6/2		GRAB	85	0.48	40	2.0
MOWIT	MUP	0.15	CGL	PB-WC-WCO-CH-RS	10YR4/2		CHIP	190	20.80	120	30.7
MOWIT		3.00	QZT	NC-MB-R	10YR8/2						
MOWIT		3.00	QZT	DOIY-MB-R	N8			35			
RUNDLE		2.00	DOL	CH-N-R	N6						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 136

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Kelsey
 NTS MAPSHEET: 83E7E

LATITUDE/LONGITUDE-PRESENT: 53 2050 118 3375
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 4900 119 1600
 DATUM USED - SULLM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	2.00	COVRD	J							
MOWIT		15.00	SS	QZC-R-M-CH-SBR	5RP4/2	5Y6/1		65			
RANGER		7.50	CHT	M-HAK-VG-R	5PB5/2	5PB3/2		65			
RANGER		0.20	QZT	MB-L-QZC-CF-REC	N3	5Y4/1	CHIP	115	0.09	20	0.6
CARBON		1.00	DOL	MB-WCO		5Y6/1		45			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 138

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Daybreak Peak
 NTS MAPSHEET: 83E7E

LATITUDE/LONGITUDE-PRESENT: 53 2725 118 2800
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 119 400
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	45.00	SLTST	VTH-TH-REC	10YR6/2		GRAB	120	0.57	30	1.8
SULFM	PHROSO	12.00	SLTST	VTH-REC	10YR6/2		CHIP	110	0.27	60	2.8
MOWIT	MUP	0.20	CGL	PB-WCO-RS			CHIP	210	12.70	170	22.4
MOWIT		1.00	SS	FG-TKB-GK-ZC-R	10YR4/2			40			
MOWIT		1.00	CHT	HAK-M-R	N7			40			
MOWIT		1.00	SS	M-FG-R	10YR4/2			40			
MOWIT		1.50	SS	CHI-TH-MB-R	10YR4/2			40			
MOWIT		1.10	CHT	MB-R	N5			40			
MOWIT		2.30	SS	FG-JH-TKB-CHIY-R	10YR4/2	10YR4/2		40			
RANGER		0.60	CHT	DOI-MB-WC-R	N8			40			
RUNDLE		1.00	DOL	CH-TKB-R	N8			30			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 142

LATITUDE/LONGITUDE-PRESENT: 53 2400 118 250
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1700 118 1600
 DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Soloman Creek
 NTS MAPSHEET: 83E8E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	5.00	SLTST	VTH-REC	10YR4/2		GRAB	120	0.43	20	2.3
		1.50	COVRD	REC							
RUNDLE		4.00	DOL	CH-MB-TKB-R	N9	5Y6/1		70			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 144

LATITUDE/LONGITUDE-PRESENT: 53 2750 118 800
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2100 118 2200
 DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Wildhay River-South Fork
 NTS MAPSHEET: 83E8E
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	2.00	SLTST	VTH-REC	10YR6/2		GRAB		0.32	40	2.2
COND-P		0.40	CGL	PC-CH-D-RC	10YR4/2		CHIP		1.40	30	3.5
KANASK		0.20	CHT	MB-R	N7						
RUNDLE		2.00	DOL	MB-TKB-R	N6						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 146

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Vega Peak
 NTS MAPSHEET: 83E7E

LATITUDE/LONGITUDE-PRESENT: 53 2575 118 4375
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5400 119 2800
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	VTH	N4	N4					
SULFM	PHROSO	0.50	COVRD								
MOWIT		3.00	SS	CH-SR	10YR7/4	N3					
MOWIT	MIP	0.20	CGL	PC-SBR	10YR7/4	N3	GRAB	16.80		130	26.6
MOWIT		4.50	SS	QZC-REC-SW-WR-FR	10YR7/4						
MOWIT		1.30	SS	QZC-FR-REC-FW-CP	10YR7/4						
MOWIT		2.00	SS	QZC-FR-REC-PL-VB	10YR7/4		GRAB	0.92		20	13.8
MOWIT		5.50	SS	CH-VG-R-QZC-M	N3		GRAB	1.60		40	3.6
RANGER		3.00	CHT	CAL-VG-BL-M-HAK	5PB3/2						
RANGER	RCBP	0.60	CGL	PC-SSC-REC-MB			CHIP	5.80		50	
CARBON		1.00	DOL	CH-BL-MB	N8						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 149

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Sunset Peak
 NTS MAPSHEET: 83E7W

LATITUDE/LONGITUDE-PRESENT: 53 2825 118 5475
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5500 119 4500
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	4.00	SH	FS-PL-REC-SI			CHIP	180	0.32	140	5.5
MOWIT		1.50	SS	VTH-TH-FG-ZC-R	10YR6/6		CHIP	190	0.80	50	4.8
MOWIT		15.00	SS	MB-FG-NC-R	N6	5Y7/2		60			
RANGER		7.50	CHT	M-R	5PB5/2			34			
RANGER	RCBP	0.10	CGL	PC-PB-WC-SPR-REC			CHIP	170	11.10	100	47.2
CARBON		1.00	DOL	MCRX-MB-R	5Y6/1			60			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 151

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mowitch Creek Cabin
 NTS MAPSHEET: 83E7E

LATITUDE/LONGITUDE-PRESENT: 53 2425 118 3125
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5700 119 600
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST								
SULFM	PHROSO	1.00	COVRD								
MOWIT	MIP	10.50	SS	TKB-FG-CH-BL-SR	10YR4/2		GRAB				
MOWIT		4.00	CHT	M	N9			5.10		40	5.6
RANGER		0.70	SS	MG-M	N8						
RANGER	RCBP	0.20	CGL	PC-SPR-QZC-CH-MB							
BELCRT		1.60	SS	PT-MB-TKB-MAG-CH	10YR5/4	N5	CHIP	14.10		90	25.9
BELCRT		0.65	SS	MG-MB-TKB-MAG-CH	10YR5/4	N5	GRAB	1.07		30	0.7
BELCRT		0.50	CHT	TKB-HAK	N8		CHIP	0.66		20	1.9
BELCRT		0.30	BENT	CU		N7	CHIP	0.82		20	4.7
CARBON		1.00	DOL	MB	N8		CHIP	0.43		220	5.1

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 155

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Wolverine Creek

NTS MAPSHEET: 83E11W

LATITUDE/LONGITUDE-PRESENT: 53 4425 119 1850

LATITUDE/LONGITUDE-PALINSPASTIC: 53 1600 119 5200

DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST		10YR4/2	5YR3/2		140			
MOWIT		7.50	SS		10YR5/4	N7		90			
RANGER	RCUP	0.40	CGL	PB-PC-CH-RS	10R3/4		CHIP	160	3.40	30	14.8
RANGER		6.00	CHT	M-R	10YR8/2	N9		70			
BELCRT		1.50	QZT	TKB-R	10YR8/2	N8		55			
CARBON		1.00	DOL	MB-TKB-PX	N6			50			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 158

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Monoghan Creek-North Ridge
 NTS MAPSHEET: 83E11E

LATITUDE/LONGITUDE-PRESENT: 53 3625 119 50
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 400 119 3900
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHRDSO	1.00	SLTST	PL-VTH-REC			GRAB				
MOWIT		1.50	SS	QZC-FG-WI-MB-R	10YR6/2		GRAB	115	0.25	100	4.9
MOWIT		3.30	CHT	M-HAK-R	N9			65	0.50	20	1.1
MOWIT		16.50	SS	FG-MB-TKB-R	5Y6/1			85			
RANGER		6.50	CHT	M-R	5PB5/2						
RANGER	RCBP	0.35	CGL	PC-CH-RS			GRAB	170	23.30	130	17.3
BELCRT		0.70	CHT	TH-R	10YR6/6						
CARBON		1.00	DOL	MB-MCRX-R	10YR6/6						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 185

LATITUDE/LONGITUDE-PRESENT: 53 1975 117 5750
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1000 118 1500
 DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Boule Roche
 NTS MAPSHEET: 83F05W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	VTH-TH-REC	5YR6/4						
COND-P	ICP	0.07	CGL	PC-CH-D-REC			GRAB		5.30	120	6.7
RUNDLE		1.00	DOL	MB-TKB-CH-SR-R	N7						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 186

REFERENCE: Telfer-1933
 LOCALITY NAME: Pocahontas
 NTS MAPSHEET: 83F04W

LATITUDE/LONGITUDE-PRESENT: 53 1150 117 5250
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5400 118 2100
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SH	TH-REC							
COND-P		0.03	PHOS	PN							
COND-P		0.76	SS	CAL-R							
COND-P	ICP	0.09	PHOS	POO-REC			GRAB		12.30		
COND-P	ICP	0.24	QZT	R							
COND-P	ICP	0.06	PHOS	POO			GRAB		12.40		
RUNDLE		1.00	DOL	R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 187

LATITUDE/LONGITUDE-PRESENT: 53 225 117 2550

LATITUDE/LONGITUDE-PALINSPASTIC: 52 4500 117 5900

DATUM USED: -SULM

REFERENCE: Telfer-1933

LOCALITY NAME: Luscar Mountain

NTS MAPSHEET: 83F03W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SH	REC-WC							
COND-P		0.12	CHT	R	N5						
COND-P	ICP	0.09	CHT	PN-R			NOD	14.60			
COND-P		0.88	QZT	CH-R	N5						
RUNDLE		1.00	LS	R	N5						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 194

REFERENCE: Douglass-1958
 LOCALITY NAME: White Creek
 NTS MAPSHEET: 82G16W

LATITUDE/LONGITUDE-PRESENT: 49 5900 114 2300
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 5100 115 1300
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	FI-V							
KANASK	TIFC	0.20	SS	POO-PN-TH-MG-CAL	N3	N4	CHIP	533	6.00	50	38.1
KANASK	TIFC	0.30	SLTST	PC-CAL	N5	N3	CHIP	400	0.80	70	19.0
TUNNEL		2.00	SS	TH-MB-CAL-V-P				90			
TUNNEL		7.00	SS	TKB-MB-QZC	5Y6/1			90			
TUNNEL		0.20	CHT	R							
TUNNEL		0.50	SS	FG-R							
TUNNEL		0.20	CHT	PP-TH-0X							
TUNNEL		0.70	SS	TKB-FG-QZC			GRAB		0.37	20	2.2
TUNNEL		0.20	CHT	MB-HAK	N9						
TUNNEL		14.00	SS	MB-TKB-FG-MG-QZC	5Y6/1			65			
TUNNEL		0.20	CGL	PP-PE-CO				93	0.07	10	1.8
RUNDLE		1.00	DOL								

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 195

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Oldman River Gap
 NTS MAPSHEET: 82G16W

LATITUDE/LONGITUDE-PRESENT: 49 5175 114 2100
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 4400 115 1100
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		0.70	SS	PN	5Y6/4			95			
TUNNEL		3.00	SS	FG-MG-WCO-Z-R	N7			98			
TUNNEL		0.94	LS	QXC-M-WCO-WC							
TUNNEL		3.00	SS	D-Z-HEM-FG-R	N7						
TUNNEL		0.30	SLTST	MB-REC	5Y7/6						
TUNNEL		3.80	SS	PL-VTH-MG-R	5Y7/6						
TUNNEL		3.20	SS	CHI-MB-R	N5						
TUNNEL		1.50	SS	CHI-FG-R	N5						
TUNNEL		1.10	CHT	SSI-TH-R	N9						
TUNNEL		1.10	SS	FG-MG-M-R	N5			41			
TUNNEL		1.90	CHT	SSI-TH-R							
TUNNEL		0.80	SS	TKB-CH-R	N4						
TUNNEL		0.60	SS	CGL-MG-R	N3		GRAB	54	0.96	20	2.8
TUNNEL		11.50	SS	TKB-M-CH-WC-R	N6	N6	GRAB	48	0.38	10	0.9
RUNDLE		1.50	DOL	MB-A-RS	N7						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
STRATIGRAPHIC SECTION: 198

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Daisy Creek Summit
NTS MAPSHEET: 83G9W

LATITUDE/LONGITUDE-PRESENT: 49 4475 114 2200
LATITUDE/LONGITUDE-PALINSPASTIC: 49 3700 115 1300
DATUM USED: -FERN

FORMATION	STRATIGRAPHIC THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	0.40	SS	PN-RS							
TUNNEL	5.00	SS	FG-MG-MB-TKB-R	5Y7/2	N4		45			
TUNNEL	7.00	COVRD								
TUNNEL	2.00	SS	MG-MB-TKB-NC-R	5Y6/1			20			
TUNNEL	1.50	SS	CH-MB-R	5Y6/1						
TUNNEL	0.50	CHT	MB-HAK-R	N8						
TUNNEL	2.00	SS	MG-CHI-R	5Y6/1	5Y6/1		25			
TUNNEL	2.70	CHT	M-WBP-HAK-R	N4		GRAB	30	0.14	20	
TUNNEL	0.30	SS	CG-R	5Y6/1						
TUNNEL	6.00	SS	MG-TKB-R	10YR6/2			20			
TUNNEL	1.50	LS	MX-M-R	N7	N9					
TUNNEL	10.00	SS	LSI-CAL-P-FG-MG							
RUNDLE	1.00	DOL	QZC-FG							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 201

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Rock Creek Summit
 NTS MAPSHEET: 82G9W

LATITUDE/LONGITUDE-PRESENT: 49 3725 114 2050
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 3000 115 1400
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		0.30	SS	PQ-CAL-MG-R	5Y4/1	N3		210			
TUNNEL		13.70	SS	Z-MB-M-RS	5Y6/1			65			
TUNNEL		0.50	CGL	CH-WC-R							
TUNNEL		0.50	CHT	TH-MB-R	N3	N3					
TUNNEL		10.00	SS	CH-BL-MB-FG-R	10YR7/4			45			
TUNNEL		18.00	SS	PT-M-TKB-MG-CGL	N5	5PB3/2	GRAB	54	1.10	30	1.5
TUNNEL		6.00	COVRD								
RUNDLE		3.00	DOL	SIL-R	N6	5Y4/1					

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 206

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Crowsnest Pass
 NTS MAPSHEET: 82G10E

LATITUDE/LONGITUDE-PRESENT: 49 3750 114 4150
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 3400 115 5200
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	1.00	SLTST								
JOHNST	6.00	COVRD								
KANASK	3.00	DOL	A-TKB-R	N7	N6		92			
KANASK	9.00	DOL	A-TKB-SIL-R	N7	N6		120			
KANASK	5.00	DOL	BR-SSI-R	N7	N6		110			
KANASK	1.00	DOL	SILC-R	N7	N6	NOD		0.08	10	6.8
KANASK	5.00	COVRD								
KANASK	3.00	QZT	TKB-FG-BR	N6	5YR8/1		71			
KANASK	0.70	DOL	A-MB-RS	5Y7/2	N7		108			
KANASK	2.00	QZT	M-NC-R							
KANASK	3.00	LS	FX-RS							
KANASK	2.00	SS	CH-N-R							
KANASK	0.01	CGL	N--REC			GRAB		0.08	20	5.3
TUNNEL	150.00	SS	FG-MG-XB-R-M			GRAB	60	0.14	10	1.2

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 210

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Tent Mountain
 NTS MAPSHEET: 82G10E

LATITUDE/LONGITUDE-PRESENT: 49 3400 114 4000
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 2300 115 4900
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSD	2.00	SLTST	TH-REC	10YR6/2	10YR6/2					
RANGER	RCUP	0.50	SS	PC-CH-N-MB-TKB-R	N4	N3	GRAB	206	1.40	120	13.8
RANGER	RCBP	1.50	CGL	PC-R-MB-TKB	N4	N3	GRAB	590	17.10	120	77.5
JOHNST	KIPC	0.50	COVRD								
KANASK	KIPC	1.50	CGL	PC-R-MB-TKB			GRAB	250	0.96	40	4.4
KANASK		1.00	COVRD								
KANASK	KFIP	1.00	QZT	PC-D-CH	5Y6/1	5Y4/1	GRAB	200	8.40	140	53.4
KANASK		1.00	SS	FG-MG-R	5Y6/4						
KANASK		20.00	DOL	J-CH-N-R-A	N8	N7					
TUNNEL		2.00	SS	QZC-R							
								46			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 213

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Adanac Mine
 NTS MAPSHEET: 82G8W

LATITUDE/LONGITUDE-PRESENT: 49 2900 114 2450
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 2000 115 1600
 DATUM USED: -FERN

FORMATION UNIT	STRATIGRAPHIC THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
FERNIE	0.20	SS	PN-MG-R	10YR6/2	10YR2/2		326			
TUNNEL	0.90	SLTST	MB-RS	N3	5Y6/1		180			
TUNNEL	1.50	SS	FG-MB-R	5Y7/2	N5					
TUNNEL	5.20	SS	SII-VTH-TKB-RS	5Y7/2	N5					
TUNNEL	0.20	CGL	WC-R			GRAB	110	0.09	20	4.6
TUNNEL	1.70	SS	SHI-PL-TKB-RS	5Y7/2	N5		45			
TUNNEL	3.90	SS	V-FG-TKB-R	5Y7/2	N5	GRAB	53	0.41	100	3.3
TUNNEL	1.20	QZT	CH-MB-HEM-R	10YR7/4			55			
TUNNEL	4.10	SS	TKB-MG-R	5Y6/4	5Y7/2		60			
TUNNEL	0.40	CGL	BR-R							
RUNDLE	1.00	DOL								

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 222

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Flathead Pass
 NTS MAPSHEET: 82G7E

LATITUDE/LONGITUDE-PRESENT: 49 2775 114 4150
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 600 116 4100
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST								
SULFM		2.00	COVRD	J							
JOHNST	KIPC	0.50	SS	PC-FG-R	N7	5Y6/1	GRAB	150	1.40	20	8.0
JOHNST	KIPC	0.10	SS	PC-MG-R			CHIP		9.50	60	91.2
JOHNST	KIPC	0.15	SS	PN-MB-FG-MG-R	N9		CHIP	485	9.50	60	91.2
KANASK		1.00	COVRD								
KANASK		7.50	DOL	TKB-R	N9	5Y4/1		100			
KANASK		3.00	COVRD								
KANASK		15.00	SS	QZC-CH-BL-R	N7			91			
KANASK		9.00	QZT	TKB-XB-R		5YR8/1		76			
KANASK		8.00	COVRD								
KANASK		7.50	QZT	CHI-R		5YR8/1		65			
KANASK		3.00	DOL	CHI-R	N8			120			
TUNNEL		20.00	SS	M-QZC-CH-BL-XB-R							
TUNNEL		60.00	SS	MB-TKB-FG-MG-QZC				60			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 227

LATITUDE/LONGITUDE-PRESENT: 49 3125 114 3950
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 800 116 3800
 DATUM USED: -SULM

REFERENCE: Telfer-1933
 LOCALITY NAME: Corbin
 NTS MAPSHEET: 82G10E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SH	SI-REC							
JOHNST	KIPC	0.98	SS	PN-R			NOD	29.28			

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 229

REFERENCE: Kenny-1977
 LOCALITY NAME: Lizard Range
 NTS MAPSHEET: 82G6E

LATITUDE/LONGITUDE-PRESENT: 49 2800 115 700
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 200 117 1000
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST								
RANGER	RCUP	0.30	SS	PN-R			GRAB	1			
RANGER		20.00	CHT	SSI-R							
JOHNST		2.60	SH	CHI-REC							
JOHNST	JCIP	0.43	PHOS	PQ-REC			GRAB	13.70			
JOHNST	JCIP	0.40	PHOS	PQ-REC			GRAB	27.00			
JOHNST	JCIP	2.10	SS	PC-R			GRAB	4.10			
JOHNST	JCIP	0.30	PHOS	CH-REC			GRAB	15.30			
JOHNST	JCIP	0.85	SS	PC			GRAB	6.00			
JOHNST		7.90	SH	REC							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 230

REFERENCE: Kenny-1977
 LOCALITY NAME: Brule Creek
 NTS MAPSHEET: 82G15W

LATITUDE/LONGITUDE-PRESENT: 49 5225 114 5625
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 4800 116 5900
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
JOHNST		0.50	SH	J							
JOHNST	JCIP	0.33	SH	PI-REC	N1		GRAB	3.50			
JOHNST	JCIP	0.40	PHOS	PQ-REC			GRAB	11.60			
JOHNST	JCIP	0.40	PHOS	PQ-REC			GRAB	13.10			
JOHNST		0.61	SS								
JOHNST	JCIP	0.70	SH	PI-REC	N1		GRAB	3.00			
KANASK		1.00	DOL	SI-J							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 231

REFERENCE: Kenny-1977
 LOCALITY NAME: Weight Creek
 NTS MAPSHEET: 82G15W

LATITUDE/LONGITUDE-PRESENT: 49 5700 114 5800
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 5200 117 100
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
KANASK		1.00	DOL								
JOHNST	JCIP	0.36	PHOS	PQ-REC			GRAB	13.30			
JOHNST	JCIP	0.10	SH	PI-REC			GRAB	1.60			
JOHNST	JCIP	0.48	PHOS	PQ-REC			GRAB	22.70			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 232

LATITUDE/LONGITUDE-PRESENT: 49 3775 114 5675
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 3800 116 5100
 DATUM USED: -SULM

REFERENCE: Teifer-1933
 LOCALITY NAME: Mt. Hosmer
 NTS MAPSHEET: 82G10W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SH	SI-REC							
RANGER		7.92	CHT	R							
RANGER	RCBP	0.27	PHOS	PC-RS							
ROSS-C		136.80	SS	SHI-CHI			GRAB		24.61		
JOHNST		60.96	COVRD								
JOHNST	TIFC	0.20	CGL	J-ZC							
TUNNEL		50.00	SS	D-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 233

REFERENCE: Mcgugan and Rapson-various
 LOCALITY NAME: Cummings Creek
 NTS MAPSHEET: 82G14E

LATITUDE/LONGITUDE-PRESENT: 49 4600 115 275
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 4000 117 10
 DATUM USED:

FORMATION	STRATIGRAPHIC THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
	1.00	COVRD								
ROSS-C	97.58	LS	SHI-AR-SII							
TELFRD	230.86	LS	SSI-CHI							
JOHNST	47.60	SLTST	D-REC							
TUNNEL	10.00	SS	D							

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 234

REFERENCE: Mcgugan and Rapson-various
 LOCALITY NAME: Alexander Creek-Headwaters
 NTS MAPSHEET: 82G15E

LATITUDE/LONGITUDE-PRESENT: 49 4875 114 4100
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 2600 116 3600
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST								
JOHNST		5.70	SLTST	QZC-CH-N-R							
KANASK		30.40	DOL	CH-N-AR-CHI-BR-R							
TUNNEL		10.00	SS	QZC-D-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 235

LATITUDE/LONGITUDE-PRESENT: 49 5500 114 5075

LATITUDE/LONGITUDE-PALINSPASTIC: 49 5400 116 5400

DATUM USED: -SULM

REFERENCE: Mcgugan and Rapson-various
 LOCALITY NAME: Fording River
 NTS MAPSHEET: 82G15W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST								
JOHNST	KIPC	0.20	CGL	PC-J							
KANASK		9.50	DOL	CH-N-AR-R							
TUNNEL		10.00	SS	D-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 236

REFERENCE: Mcgugan and Rapson-various
 LOCALITY NAME: Lizard Creek
 NTS MAPSHEET: 82G11E

LATITUDE/LONGITUDE-PRESENT: 49 3250 115 1100
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 1100 117 1600
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST								
RANGER		30.00	CHT	R							
RANGER	RCBP	0.20	CGL	PC-J							
ROSS-C		135.00	LS	SSI-CHI-SHI-J							
JOHNST		57.00	SLTST	CH-PL-RS-ZC							

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 240

REFERENCE: Alberta Geological Survey

LOCALITY NAME: King Creek

NTS MAPSHEET: 82J11E

LATITUDE/LONGITUDE-PRESENT: 50 4300 115 600

LATITUDE/LONGITUDE-PALINSPASTIC: 50 2500 116 1000

DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	REC							
SULFM		2.00	COVRD	J							
RANGER	RCUP	0.20	SS	PC-B-CGL-R-WC	5Y8/4	5Y7/2	CHIP	135	0.53	80	7.0
RANGER		4.80	SS	FG-V-TKB-WBP-R-N	5Y8/1	N5					
RANGER		1.50	SS	TKB-SHI-SII-CGL	5Y8/4	N5		145	0.36	80	5.5
RANGER		2.50	SS	CHI-ZC	5Y4/1	N4		85			
RANGER		1.50	SLTST	SHI-CH-VTH-REC	5Y4/1			85			
RANGER		4.20	SS	FG-MB-R	10YR5/4	N5		80			
RANGER	RCBP	0.15	SS	CGL-VH-PL				80			
JOHNST		0.30	CHT	HAK-R				80			
JOHNST		1.60	SS	CH-R							
JOHNST		4.80	SS	FG-MB-REC							
KANASK		1.20	SS	CH-BR-CGL-FG-R							
KANASK		7.80	DOL	SI-SSI-CHI-R							
TUNNEL		247.20	SS	MB-TKB-XB-FG-V-R							
RUNDLE		1.00					GRAB		0.03	50	1.5

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 248

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Elpoca Mountain Group
 NTS MAPSHEET: 82J11E.

LATITUDE/LONGITUDE-PRESENT: 50 3850 115 150
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 1600 116
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
RANGER	RCUP	0.30	CGL	PE-WC-YS	N4	N4	CHIP	175	5.50	80	14.5

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 256

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Mt. Livingstone

NTS MAPSHEET: 82J1W

LATITUDE/LONGITUDE-PRESENT: 50 750 114 2275

LATITUDE/LONGITUDE-PALINSPASTIC: 50 100 115 1600

DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	BFP CGL	1.50	SLTST	PN-PT-M-R			CHIP		2.90		
KANASK		1.50	SLTST	N-RS			CHIP		0.80		
KANASK		0.60	DOL	RS							
KANASK		0.50	SS	MG-QZC-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 259

LATITUDE/LONGITUDE-PRESENT: 50 2350 114 3675

LATITUDE/LONGITUDE-PALINSPASTIC: 50 900 115 2600

DATUM USED: -FERN

REFERENCE: Norris-1965

LOCALITY NAME: Mt. Head Ranger Station

NTS MAPSHEET: 82J07E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		0.91	SS								
TUNNEL		0.91	SS	CW-FG-R							
TUNNEL		0.30	LS	CH-FX-R							
TUNNEL		0.91	SS	D-XB-CH							
TUNNEL		0.61	SS	CAL-R							
TUNNEL		6.40	SS	CW-FG-R							
TUNNEL		0.30	SS	CW-FG-CH							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
STRATIGRAPHIC SECTION: 264

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Savanna Creek
NTS MAPSHEET: 82J2E

LATITUDE/LONGITUDE-PRESENT: 50 925 114 2950
LATITUDE/LONGITUDE-PALINSPASTIC: 49 5500 115 1900
DATUM USED: -FERN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		2.00	SLTST	SHI-PL	N3			440			
KANASK		0.50	COVRD								
COND-P		0.40	CHT	HAK-BR-R	5PB3/2			50			
KANASK	ICP	0.35	SS	PB-FG-NC-R	N4		CHIP	135	3.20	20	7.3
KANASK		0.30	CHT	HAK-R	5PB3/2						
KANASK	TIFC	0.05	CGL	PB-CH-R			CHIP		8.90	30	12.4
KANASK		0.55	CHT	BR-R	5PB7/2			97			
TUNNEL		2.00	SS	NC-FG-R	5Y8/1			62			
TUNNEL		3.00	SS	TKB-CH-R	5Y8/1						
TUNNEL		4.00	SS	MB-TKB-FG-R	5Y8/1			43			
TUNNEL		1.50	SS	CH-CGL-M-R							
TUNNEL		0.60	CHT	BR-R	N1						
TUNNEL		3.00	SS	MB-FG-MG-CH-R	5Y7/2	5Y6/1					
TUNNEL		1.40	SS	FG-CW-MB-R	N7	N4		60			
TUNNEL		4.00	SS	TKB-FG-MG-R	5Y6/1	5Y6/1		57			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 265

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Livingstone
 NTS MAPSHEET: 82J1W

LATITUDE/LONGITUDE-PRESENT: 50 1075 114 2650
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 5700 115 1600
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		0.00	COVRD								
TUNNEL		10.00	SS	FG-MG-TKB-QZC-R	N7			45			
TUNNEL		8.30	SS	FG-MG-TKB-CAL-R	5Y6/1	N5		45			
TUNNEL		0.10	SH	PL-REC	10YR7/4						
TUNNEL		3.00	QZT	CH-R	5Y6/1	N6		62			
RUNDLE		1.00	DOL	CH-TKB-V-R	N7	N6					

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 266

REFERENCE: Norris-1965
 LOCALITY NAME: Plateau Mountain
 NTS MAPSHEET: 82J02E

LATITUDE/LONGITUDE-PRESENT: 50 1375 114 3125
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 115 2000
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
		0.00	COVRD	J							
KANASK		0.91	CHT	QZC-M-R							
KANASK		0.61	SS	MG-R			GRAB		0.77	20	1.8
TUNNEL	TIFC	0.61	CGL	PT-BCGL							
TUNNEL		1.67	SS	D-FG-M-R							
TUNNEL		0.70	CHT	QZC-M-RS							
TUNNEL		1.77	SS	D-OX-FG-M							
TUNNEL		1.49	DOL	SI-V-M-R							
TUNNEL		6.31	SS	CAL-FG-M-R							
TUNNEL		0.30	DOL	Z-M							
TUNNEL		2.44	SS	D-FG-M-XB							
TUNNEL		1.04	SS	CAL-FG-M-R							
RUNDLE		2.80	DOL	QZC-CH-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 267

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Cataract Creek
 NTS MAPSHEET: 82J7E

LATITUDE/LONGITUDE-PRESENT: 50 1750 114 3450
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 300 115 2400
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
		0.00	COVRD								
KANASK	ICP	0.10	SS	PB-CGL-CG-R	5YR5/2	N4	GRAB	170	4.70	40	8.3
KANASK		0.70	SS	FG-TKB-R	N4						
KANASK		0.50	CHT	R	5B5/1						
KANASK		2.30	SS	TKB-CH-R		N4					
KANASK		0.70	CHT	R-HAK	5R8/2						
KANASK	KFIP	2.00	SS	PC-MB-MG-R	N5	N3	GRAB	138	3.80	70	12.5
KANASK		1.45	COVRD								
TUNNEL	TIFC	0.05	SS	PB-CGL-R			GRAB	180	4.20	60	11.0
TUNNEL		1.50	SS	FG-MG-R	N5						
TUNNEL		1.00	SS	CH-TKB-FG-MG-R							
TUNNEL		1.00	LS	MB-R	N7	N3					
TUNNEL		10.00	SS	QZC-FG-MG-R	N7	N7		60			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 271

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Trapp Creek
 NTS MAPSHEET: 82J7E

LATITUDE/LONGITUDE-PRESENT: 50 2850 114 3850
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 1400 115 2700
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		0.00	COVRD								
KANASK	ICP	2.00	CHT	PT-SSI-HAK-CAR-R	N7						
KANASK		2.00	SS	MG-TKB-R	N4	5Y7/2	GRAB	95	2.00	25	2.8
KANASK		2.00	DOL	MB-TKB-CAL-V-SSI	10YR7/4						
KANASK		1.00	CHT	SSI-R	5Y8/4						
KANASK		2.00	SS	QZC-FG-CH-R	10YR8/2	N8					
KANASK		0.10	SH	FS-REC							
KANASK		0.50	DOL	MB-V-R	N7						
TUNNEL		0.60	SS	QZC-R	10YR8/2			40			
TUNNEL		1.00	COVRD	REC							
TUNNEL		0.80	DOL		5Y8/1	5Y6/1					
RUNDLE		4.00	DOL	SII-CH-TKB-R	5Y8/1						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 276

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Gibraltar Mountain
 NTS MAPSHEET: 82J10W

LATITUDE/LONGITUDE-PRESENT: 50 3575 114 5150
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2100 115 4100
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	FS-PL							
KANASK		2.00	COVRD	REC							
KANASK	KIPC	0.20	SS	PT-FG-MG	10YR4/2	10YR4/2	GRAB	200	3.10	60	8.7
KANASK		1.50	CHT	HAK	N9			50			
KANASK		2.00	SS	V	N9						
KANASK	TIFC	0.10	CGL	PQ-PN-FG-AR			GRAB	140	13.90	50	28.4
TUNNEL		27.00	SS	QZC-LI-FG-TKB				60			
TUNNEL		1.50	DOL	QZC				100			
TUNNEL		5.00	SS	FG-MB	N8	N7		70			
TUNNEL		3.00	DOL	FIL-CHBL	N8			70			
TUNNEL		13.00	SS	V-QZC-PVG-TKB				90			
TUNNEL		4.50	COVRD								
TUNNEL		7.50	SS	QZC-TKB-FG-SW-XB	10YR7/4	N7		50			
RUNDLE		0.20	MDST	Z-REC				106			
RUNDLE		1.00	LS	MB-ALJ		5Y2/1					
RUNDLE		6.00	MDST	CD	N4			80			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 278

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Little Elbow River-Headwaters
 NTS MAPSHEET: 82J10W

LATITUDE/LONGITUDE-PRESENT: 50 4300 114 5900
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2400 115 5500
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		6.00	SLTST	REC-PX							
JOHNST	JCUP	1.50	SS	PC-FG-R	10YR7/4		GRAB	110	2.59	100	6.3
JOHNST		1.50	SS	CH-MB-R	N8			55			
KANASK		1.50	CHT	MB-R	N8			55			
KANASK		1.00	SS	CH-R	N7			55			
KANASK		1.00	DOL	CHI-MB-TH-R	N9			55			
KANASK		3.00	DOL	SSIY-MB-RS	N9			55			
TUNNEL		11.00	SS	FG-QZC-MB-TKB-R				55			
TUNNEL		1.00	COVRD	REC				55			
TUNNEL		9.00	SS	FG-QZC-MB-TKB-R				55			
RUNDLE		3.00	DOL	CH-FI-MB-WCO-RS	N8			55			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 281

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mist Mountain
 NTS MAPSHEET: 82J10W

LATITUDE/LONGITUDE-PRESENT: 50 3375 114 5600
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 1400 115 5500
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST		5GY6/1			170			
JOHNST	JCUP	0.20	SLTST	PT-Z-REC			CHIP	180	1.35	20	7.0
JOHNST	JCUP	0.25	SS	PC-MB-V-R	N4		CHIP		1.35	20	7.0
JOHNST	JCUP	0.45	SS	PC-MB-V-R	N4	N1	CHIP	220	2.50	90	11.2
KANASK	KIPC	0.70	QZT	PC-CGL-SR-MB-F-R			GRAB	295	13.90	50	46.1
KANASK	KIPC	0.40	SS	PC-CGL-P-R	10YR6/2		GRAB	165	1.35	70	11.9
KANASK		1.10	SS	SPR-R	10YR6/2		GRAB	80	0.05	40	1.5
KANASK		0.20	CGL	PN-PC-SPR-R			CHIP	135	0.46	20	5.7
KANASK		0.70	SS	QZC-SW							
TUNNEL		7.50	SS	MB-TKB-R	10YR5/4	N4		90			
TUNNEL		35.00	SS	QZC-FG-MG				62			
TUNNEL		90.00	SS	FG-TKB-MG-R	N7			62			
TUNNEL		9.00	SS	FG-TKB-AB-R	10YR4/2			64			
TUNNEL		0.70	QZT	HE-R	10Y7/4			92			
TUNNEL		7.00	SS	R							
TUNNEL		0.55	SLTST	Z-REC							
TUNNEL		1.06	SS	D-CG-R							
TUNNEL	TMIC	0.10	SS	PB-R							
TUNNEL		2.71	SS								
TUNNEL		19.44	SS	D-MG-QZC-CHIY-R							
RUNDLE		0.55	SLTST								

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 288

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Evan-Thomas Creek
 NTS MAPSHEET: 82J14E

LATITUDE/LONGITUDE-PRESENT: 50 5200 115 600
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 3600 116
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.50	SLTST								
JOHNST		1.00	SS	B-WC-FG-NC-WC-N	N5	N3		160			
JOHNST		4.50	COVRD	J							
JOHNST		0.50	SS	QZC-R	5Y7/2	5Y7/2					
JOHNST	JCIP	0.10	SS	PQ-R							
JOHNST		1.50	QZT	TKB-R			CHIP	170	4.90	170	41.0
JOHNST	KIPC	0.20	CGL	PC-WCO-R			CHIP	300	3.90	50	26.2
JOHNST	KIPC	0.60	SLTST	PC-D-R			CHIP	250	3.90	50	26.2
KANASK		2.00	DOL	TKB-R	5Y7/2	5Y6/1		87			
TUNNEL		7.00	SS	FG-MB-TKB-R	5Y6/1	N4					
TUNNEL		24.00	SS	QXC-FG-TKB-R	5Y6/1	5Y7/2		63			
TUNNEL		9.00	SS	FG-CG-TKB-R		5Y7/2		50			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
STRATIGRAPHIC SECTION: 290

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Mt. Kidd
NTS MAPSHEET: 82J14E

LATITUDE/LONGITUDE-PRESENT: 50 5125 115 1450
LATITUDE/LONGITUDE-PALINSPASTIC: 50 3300 116 1500
DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	12.00	SLTST	Z-BM-CW-E-REC			CHIP	145	0.18	100	3.8
JOHNST		0.15	SS	PC-MG-P-WCO-R	10YR6/2						
JOHNST	JCUP	0.05	SS	PN-MG-R			GRAB	190	5.80	160	18.5
JOHNST	JCUP	0.20	LS	PN-SILC-R	N3		GRAB		0.43	50	6.8
JOHNST	JCUP	0.10	SS	PN-PB-BM-R			CHIP	547	11.70	114	41.8
JOHNST		0.00					NOD		12.00	70	52.3
JOHNST		4.00	SS	FG-MG-TKB-R	5Y6/1						
JOHNST		4.00	SS	CH-N-R	N7						
JOHNST		3.00	SS	TKB-M-FG-MG-SHIY	N3	N3					
KANASK		2.00	DOL	CH-BL-R	5Y8/4						
KANASK		9.00	SS	DOI-CH-BL-R							
TUNNEL		14.00	SS	D-MG-TKB-R	N3						
TUNNEL		2.00	SS	QZC-CH-TKB-R							
TUNNEL		20.00	QZT	FG-TKB-XB-R	10YR6/6						

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 295

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Kananaskis River Canyon Campground

NTS MAPSHEET: 82J11E

LATITUDE/LONGITUDE-PRESENT: 50 4150 115 750

LATITUDE/LONGITUDE-PALINSPASTIC: 50 1300 116 1700

DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	TH-REC							
RANGER		2.40	COVRD	J							
RANGER		1.10	SS	PT-MB-CAL-FG	10YR4/2	N4	CHIP	170	1.40	50	6.1
RANGER		0.50	SS	PT-P-FG	10YR4/2	N4	GRAB	260	1.90	60	7.4
RANGER	RCBP	0.40	SS	PN-PC-NC-R-FG-MB	N4	N1	CHIP	686	22.60	210	112.0
JOHNST		0.10	SS	FG	10YR4/2						
JOHNST		0.50	COVRD								
JOHNST		0.40	SS	MB-CH-D-VBJ		N4		160			
JOHNST		0.90	COVRD	REC							
JOHNST		4.00	SS	V-CW-MB-TKB	10YR7/4	10YR6/2		110			
JOHNST		1.40	SLTST	REC-MB		N4		100			
JOHNST		4.50	SS	FG-QZC-R	10YR7/4	5Y6/1		120			
JOHNST		5.50	SLTST	NC-CH-SR-TH-MB	5Y7/2	N1		120			
JOHNST	JCIP	0.20	SLTST	PN	N4		GRAB	156	5.90	20	14.9
JOHNST		0.90	SLTST	TH-MB-CH-BL	N4			125			
JOHNST		0.10	SLTST	PN-TH-MB-CH-BL	N4			125			
JOHNST	JCIP	0.40	CGL	PQ-PN-NC-WC	N4	N1	CHIP	185	3.70	20	9.2
JOHNST	JCIP	6.50	SLTST	PNY-NC-RR-V	5Y7/2	N1		120			
JOHNST		1.20	SS	FG-QZC		5Y6/1		100			
JOHNST		1.30	SS	CH-BL-FG							
JOHNST		1.50	SLTST	MB-TKB		N4					
JOHNST	KIPC	0.40	SS	PC-PQ-CB-FG-QZC		N4	GRAB		3.40	20	13.6
KANASK		4.00	SS	QZC-FG-MB-TKB	10YR4/2	5Y6/1		85			
KANASK		4.50	DOL	CH-BL-MB-MCRX	5Y6/1			90			
KANASK		4.00	SS	QZC	5Y6/1	10YR4/2		75			
KANASK		1.20	DOL	MCRX	5Y7/2	5Y6/1		75			
KANASK		1.50	SS	FG-MB-TKB	10YR5/4			75			
KANASK		1.70	QZT	R	N9			80			
KANASK		4.50	SS	QZC	10YR5/4			64			

KANASK	1.70	DOL	CH-BL	N8	5Y6/1	90
KANASK	0.40	CHT	MB			
KANASK	7.50	DOL	FSI-CH-MB-TKB			
KANASK	1.00	CHT	R			
KANASK	1.50	SS	QZC-FG	10YR5/4		100
KANASK	4.50	SS	QZC-FG-BL-CH-FR			113
KANASK	15.00	SS	QZC-FG-BL-CH-FR			85
TUNNEL	4.50	COVRD				
TUNNEL	16.00	SS	QZC-FG-TKB			80
TUNNEL	1.60	QZT	TKB			
TUNNEL	6.00	SS	FG-QZC-TKB			
TUNNEL	10.00	QZT	TKB-M	N8		50

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 296

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Goat Range
 NTS MAPSHEET: 82J14W

LATITUDE/LONGITUDE-PRESENT: 50 5625 115 2400
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 3200 116 3500
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST								
RANGER		2.00	COVRD								
RANGER		1.00	SS	MB-FG	5Y6/1						
RANGER		0.30	SS	MB	5Y6/1	5Y4/1	GRAB	190	0.11	20	3.1
RANGER		1.00	SS	MB-FG	5Y6/1			170			
RANGER		0.40	SS	MB	5Y6/1	5Y4/1	GRAB	240	0.44	40	8.8
RANGER		2.50	SS	PT-MB-TKB	N7			170			
RANGER	RCBP	0.10	CGL			5Y4/1		115			
JOHNST		1.60	SS	R		5Y4/1		115			
JOHNST		6.00	COVRD								
JOHNST		6.00	SLTST	CH-BL-FL-TH	5Y4/1			90			
JOHNST		5.00	COVRD								
JOHNST		8.00	SLTST	MB	N8	N5		90			
JOHNST		5.00	SLTST	MB-TKB-CH-BL							
KANASK		2.00	DOL	MB-CHC	N8						
TUNNEL		9.00	SS	FG-MG-QZC-MB-TKB	10YR7/4	N5		90			
TUNNEL		12.00	SS	FG-MG-QZC-MG-TKB	10YR7/4	N5		110			
TUNNEL		2.00	DOL	CH	N9						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 299

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Whiteman Creek
 NTS MAPSHEET: 82J11E

LATITUDE/LONGITUDE-PRESENT: 50 4000 115 475
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2200 116 800
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	20.00	SLTST	FS-Z-NC				120			
SULFM	PHROSO	1.00	SLTST	NC-TH-TKB			GRAB	115	0.12	100	4.2
RANGER	RCUP	0.50	SS	PN-FG-MG-R	N1		CHIP		2.06	70	9.4
RANGER	RCUP	0.50	SS	PN-FG-R-D	N1			65	1.33	50	7.2
RANGER		0.50	DOL	CH-R	N7			60			
RANGER		0.50	DOL	CHIY-R	N7			60			
RANGER		0.50	DOL	M	N7			50			
RANGER		0.50	DOL	M	N7			55			
RANGER		0.50	QZT	R-FG	5Y8/4			55			
RANGER		0.50	QZT	R-FG	5Y8/4			65			
RANGER		0.50	QZT	R-FG	N5			55			
RANGER		1.00	QZT	R-FG	N5			60			
RANGER		2.00	QZT	R-FG	N5			62			
JOHNST		0.30	SS	N-R	N1		CHIP	105	0.21	50	4.1
JOHNST		0.00			N1		NOD	105	0.18	20	2.9
JOHNST		0.30	SLTST	SHI-REC-TH	5YR2/1		CHIP	115	0.34	110	10.8
JOHNST		0.90	QZT	CH-N-R	N1		CHIP	97	0.25	20	8.0
JOHNST		12.50	QZT	R	N7			75			
JOHNST		6.00	SS	MG-NC-R	N8			55			
KANASK		2.00	QZT	R	5PB3/2			78			
KANASK		5.50	DOL	CH-R							
TUNNEL		10.50	SS	R-QZC							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 301

REFERENCE: Hudson Bay 011 and Gas-1966
 LOCALITY NAME: Elk Range Fire Tower.
 NTS MAPSHEET: 82J11E

LATITUDE/LONGITUDE-PRESENT: 50 3550 115 275
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 1500 116 800
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	REC							
RANGER	RCUP	0.76	SS	PN-R							
RANGER		4.57	SS	R							
RANGER	RCBP	0.30	QZT	PC-R-B							
JOHNST		7.62	SS	R							
JOHNST	KIPC	0.30	CGL	R-CH							
KANASK		4.50	CHT	BR-R							
TUNNEL		45.00	SS	CHI-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 302

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Mt. Evans-Thomas
 NTS MAPSHEET: 82J14E

LATITUDE/LONGITUDE-PRESENT: 50 4500 115 650
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2300 116 300
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	REC-J							
COND-P	ICP	0.10	SS	PN-R							
KANASK		1.10	SS	R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 303

REFERENCE: Mobil Oil-1965
 LOCALITY NAME: Mt. Bogart
 NTS MAPSHEET: 82J14W

LATITUDE/LONGITUDE-PRESENT: 50 5425 115 1675
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 3400 116 1900
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SH	SI-REC							
JOHNST		1.22	SS	MG-CG-UP							
JOHNST	JCUP	0.33	SS	PN-R							
JOHNST		3.56	QZT	CH-N-R			NOD	3			
JOHNST		1.42	SS	QZC-XB-R-ZC							
JOHNST		0.25	CHT	R							
JOHNST		1.60	SS	QZC-CH-N							
JOHNST	KIPC	3.66	SS	QZC-PT-CH-N							
KANASK		0.74	SS	QZC-N							
KANASK		0.91	SS	V-E							
KANASK		0.66	SS	QZC-CH-N-R							
KANASK		0.94	SS	E-RS							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 304

REFERENCE: Mobil Oil-1965
 LOCALITY NAME: Mt. Galatea
 NTS MAPSHEET: 82J14W

LATITUDE/LONGITUDE-PRESENT: 50 4925 115 1750
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2500 116 2700
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.42	SH	REC-SI							
RANGER	RCUP	0.64	SS	PN-P-N							
RANGER		0.36	SS	PT-QZC			NOD	3			
RANGER		0.25	CHT	BM-R				5.00			
RANGER		1.47	CHT	QZC-CD-CAL							
RANGER	RCBP	0.14	PHOS	PT-P-RS							
JOHNST		0.41	QZT	R			GRAB	3			
JOHNST		0.30	SS	QZC-REC							
JOHNST		0.08	SS	QZC							
JOHNST	JCUP	0.41	SS	PN-R							
JOHNST		1.02	QZT	R							
JOHNST	JCIP	0.23	SS	PN							
JOHNST		0.74	QZT	CH-N-BR				3			
JOHNST		0.99	QZT	R							
JOHNST		0.36	SS	QZC-R							
JOHNST		0.30	CHT	R							
JOHNST		37.71	SS	SII-QC-R							
KANASK		54.86	DOL	QZC-SI-R							
TUNNEL		2.00	SS	QZC							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 305

REFERENCE: Mobil 011-1965
 LOCALITY NAME: Mt. Chester
 NTS MAPSHEET: 82J14W

LATITUDE/LONGITUDE-PRESENT: 50 4725 115 1550
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2400 116 2600
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHRSO	3.66	SLTST	AR-M-REC							
RANGER	RCUP	0.70	SS	PN-B-QZC-R							
RANGER		0.30	SS	B-QZC			NOD	28.70			
RANGER		2.44	CHT	SSI-P-R							
RANGER	RCBP	0.53	SS	PN-R							
RANGER	RCBP	0.23	PHOS	PT-REC			NOD	24.10			
JOHNST	RCBP	0.15	SS	PN-R							
JOHNST		0.15	SS	FG-R			GRAB	15.40			
JOHNST		2.44	COVRD								
JOHNST		0.46	SS	R							
JOHNST		0.61	COVRD								
JOHNST		0.28	QZT	R							
JOHNST		0.30	COVRD								
JOHNST		0.91	SS	R-BC							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 306

REFERENCE: Hudson Bay 011 and Gas-1966

LOCALITY NAME: Mt. Lawson

NTS MAPSHEET: 82J14E

LATITUDE/LONGITUDE-PRESENT: 50 4500 115 1125

LATITUDE/LONGITUDE-PALINSPASTIC: 50 1700 116 2000

DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	REC							
RANGER	RCUP	0.91	SS	PN-R							
JOHNST		4.57	?								
JOHNST	JCIP	0.10	SS	PN-SIL-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 307

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Mt. Kent-North
 NTS MAP SHEET: 82J11E

LATITUDE/LONGITUDE-PRESENT: 50 4450 115 1325
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2000 116 2400
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
RANGER	RCUP	1.07	SS	PN							
SULFM		1.00	SLTST	REC							
JOHNST		3.05	QZT	QZC-CW-R							
JOHNST	JCIP	0.30	SS	PN							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 308

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Mt. Kent-South
 NTS MAPSHEET: 82J11E

LATITUDE/LONGITUDE-PRESENT: 50 4225 115 1075
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 1400 116 2000
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	REC							
RANGER	RCUP	0.61	SS	PN-R							
JOHNST		3.05	QZT	J-R							
JOHNST	JCIP	0.61	SS	PN-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 309

REFERENCE: Mcgugan and Rapson-various
 LOCALITY NAME: Mt. Peck
 NTS MAPSHEET: 82J03E

LATITUDE/LONGITUDE-PRESENT: 50 600 115 75
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 400 116 5200
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST								
RANGER	RCUP	0.30	CGL	R							
RANGER		22.80	CHT	R							
JOHNST		85.50	SLTST	LSI-CHI-SHI-R							
TUNNEL		50.00	SS	D-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 310

REFERENCE: Norris-1965
 LOCALITY NAME: Beehive Mountain
 NTS MAPSHEET: 82J02E

LATITUDE/LONGITUDE-PRESENT: 50 450 114 4325
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 5300 115 5000
 DATUM USED: -SULM

FORMATION UNIT	STRATIGRAPHIC THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	1.00	MDST	PX							
KANASK	2.65	DOL	CH-QZC-FX-M-R							
KANASK	0.49	SS	CGL-FG-M-CH-R							
KANASK	2.04	DOL	QZC-R							
KANASK	3.38	DOL	QZC-CH-FX-M-R							
KANASK	4.42	SS	D-V-CH-N-R							
KANASK	1.46	DOL	QZC-CH-FX-M-R							
TUNNEL	35.05	SS	D-FG-CH-PX-R							
TUNNEL	10.36	COVRD								
TUNNEL	39.62	SS	FG-CW-HEM-R							
TUNNEL	15.24	COVRD								
TUNNEL	30.48	SS	CW-MG-CG-R							
TUNNEL	22.86	SS	MG-CG-R							
TUNNEL	65.53	SS	CW-FG-MB-TKB-R							
TUNNEL	1.22	LS	QZC-MS							
TUNNEL	28.35	SS	FG							
TUNNEL	15.24	SS	FG-CH							
TUNNEL	21.34	SS	FG-PX							
TUNNEL	0.61	SS	CW-FG-FI							
TUNNEL	27.43	SS	CW-FG-MB							
RUNDLE	1.82	DOL								

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 311

LATITUDE/LONGITUDE-PRESENT: 50 1700 115 300

LATITUDE/LONGITUDE-PALINSPASTIC: 50 1700 117

DATUM USED: -SULM

REFERENCE: Mcgugan and Rapson-various
 LOCALITY NAME: Connor Lake
 NTS MAPSHEET: 82J06E

FORMATION	STRATIGRAPHIC THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	1.00	SLTST								
RANGER	17.15	CHT	J							
JOHNST	15.24									
KANASK	13.34									
TUNNEL	2.00	SS	J							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 312

REFERENCE: Mcgugan and Rapson-various
 LOCALITY NAME: Highway 40-Roadcut
 NTS MAPSHEET: 82J14E

LATITUDE/LONGITUDE-PRESENT: 50 4700 115 975
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2800 116 1300
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST								
JOHNST		3.75	COVRD	J							
JOHNST		7.50	SLTST	SSI-SHI-RS-ZC							
JOHNST	KIPC	0.10	CGL	PC-R							
KANASK		34.50	SLTST	D-CH-R							
TUNNEL		18.00	SS	QZC-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 313

LATITUDE/LONGITUDE-PRESENT: 50 4075 115 150
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2200 116 200

DATUM USED: -SULM

REFERENCE: Mcgugan and Rapson-various
 LOCALITY NAME: Tombstone Mountain
 NTS MAPSHEET: 82J11E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	REC							
COND-P		0.30	CGL	J							
KANASK		0.60	CHT	R-BR							
TUNNEL		2.00	SS	J							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 317

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Ram Falls-Headwaters
 NTS MAPSHEET: 82N16E

LATITUDE/LONGITUDE-PRESENT: 51 5350 116 1025
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3700 116 5900
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
RANGER		7.00	CHT	M-HAK-AR-SR	5PB3/2						
SULFM		1.00	SLTST	REC							
RANGER		1.00	COVRD								
RANGER	RCBP	0.40	CGL	PC-CO-WC-CH-AR			GRAB		19.60	140	
JOHNST		0.20	SS								
JOHNST		2.10	SS	TKB-MG	5Y8/4						
JOHNST		2.00	SLTST	MB-WBP	5Y8/4						
JOHNST		58.00	DOL	SI-CH							
KANASK	TIFC	1.00	CGL	CH							
TUNNEL		36.00	SS	D							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 321

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Headwaters-Whiterabbit Creek
 NTS MAPSHEET: 82N16E

LATITUDE/LONGITUDE-PRESENT: 51 5875 116 950
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3800 117 100
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	7.00	SLTST	VTH-TH-REC	5Y6/1	5Y6/1					
SULFM	PHROSO	24.00	SLTST	VTH-REC	5Y6/1	5Y6/1	GRAB		0.72	20	2.3
RANGER		3.00	SS	FG-M-R		5PB3/2	GRAB		0.40		2.6
RANGER	RCBP	0.25	CGL	PC-RS			GRAB	140	2.46	50	6.6
TUNNEL		0.75	QZT	CGL-R			CHIP	245	0.74	20	2.1
TUNNEL		3.00	QZT	CH-HAK-R	10YR7/4	5Y6/1					
TUNNEL		2.50	DOL	SIL-CH-MB	10YR5/4	N6					
TUNNEL		7.50	DOL	FX-M-CP	N7	5Y8/1					
RUNDLE		22.00	DOL	MB-TKB-MCRX	N7	N7					

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 332

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Eagle Creek
 NTS MAPSHEET: 82D11W

LATITUDE/LONGITUDE-PRESENT: 51 4400 115 2900
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 2600 116 1500
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	J							
MOWIT		2.00	COVRD	J							
MOWIT		1.00	SS	CH-TKB	5B5/1	5B5/1	GRAB	78	0.28	20	1.6
MOWIT		2.00	SS	MB-TKB-FG-R	10YR5/4	5Y2/1		90			
MOWIT		1.00	CHT		5B5/1	5B5/1		95			
MOWIT	RCUP	0.10	CGL	PB-PC	N4	N4	CHIP	125	1.50	40	5.2
RANGER	RCIP	0.90	SS	FG-TKB-R-CH-BL	N4	N3	GRAB	110	3.30	60	5.9
RANGER		2.00	SS	QZC-MG-FG-TKB	5Y6/1	N8		75			
RANGER		2.00	SS	CH-FG-MG				60			
KANASK	KFIP	8.00	SS	QZC-TKB-MG-CG	5Y7/2	N7	GRAB	60	1.30	40	1.4
KANASK		3.00	DOL	MB-TKB	5Y8/4	N7		95			
KANASK		0.20	SH		5GY6/1			140			
KANASK		1.80	DOL	XB-MB	N8	N7		100			
KANASK		4.00	COVRD								
KANASK		3.00	DOL	XB-TKB-WC	N6	5Y4/1		50			
KANASK		8.00	QZT	CH-BL	5Y8/1			55			
KANASK		9.00	DOL	SSI-TH-TKB	5Y7/2			70			
KANASK		14.00	SS	SIL-DOI-FG	5Y7/2			40			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 337

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Cougar Canyon
 NTS MAPSHEET: 8203W

LATITUDE/LONGITUDE-PRESENT: 51 600 115 1900
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 4600 116 1400
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	J							
SULFM		1.00	COVRD	J							
RANGER		0.70	CHT	M	N8			49			
RANGER	RCBP	2.00	CGL	WC-CH			CHIP	137	2.20	60	10.6
JOHNST		8.00	DOL	SIL-CGL-FX	5Y7/2	N7		85			
JQHNST		7.30	SH	DOL-PL-TKB	5Y8/1	N5	NOD	150	0.16	20	6.2
KANASK		1.60	SS	FG-M	5Y4/1	N4		58			
TUNNEL		63.40	SS	MG	5Y7/2	5Y7/2		55			
RUNDLE		7.00	DOL		N6	5Y6/1					

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 342

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Forbidden Creek
 NTS MAPSHEET: 82013W

LATITUDE/LONGITUDE-PRESENT: 51 4800 115 5200
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 2300 116 3800
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	0.00	SLTST	PL-FS							
MOWIT		0.50	COVRD								
MOWIT		1.20	SS	MG-MB	5Y6/1						
RANGER		1.50	CHT	M-R-BR	5B7/1			90			
RANGER		1.50	SS	MB-MG	5Y6/1	5Y6/1					
RANGER	RCIP	1.50	SS	PT-FG-MB	N6	5PB3/2	GRAB	105	1.80	60	14.6
RANGER		1.50	SS	CH-FG-MG-M	N8	N8		72			
RANGER	RCBP	0.10	CGL	PC-PB-CH			CHIP		15.10	120	44.7
TUNNEL		6.50	SS	MB-TKB-FG-MG	10YR4/2	N8		85			
TUNNEL		7.50	SS	FG-MG-TKB-M-CHSR	10YR7/4	N7		80			
TUNNEL		9.70	SS	M-TKB-FG-CH	N8	N8		65			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 343

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Bighorn Creek-Headwaters
 NTS MAPSHEET: 82013E

LATITUDE/LONGITUDE-PRESENT: 51 4850 115 3050
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3000 116 1770
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	(PPM)	(PPM)
SULFM		1.00	SLTST	VTH-REC							
KANASK		0.50	SS	NC-FG-MG-R	5Y6/1	5Y6/1					
KANASK		1.00	SS	PX-CAL-MG-CG-R	N5	N5		45			
TUNNEL		2.50	SS	PX-MG-CG	10YR5/4	10YR8/2		52			
RUNDLE		10.00	DOL		5Y7/2	5Y7/2		70			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 344

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Washout Creek-Headwaters
 NTS MAPSHEET: 82013W

LATITUDE/LONGITUDE-PRESENT: 51 5750 115 4650
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3900 116 3500
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		20.00	COVRD								
TUNNEL		7.50	SS	MG-CG-R-MB-TKB	N8	N8	GRAB	45	0.02	10	0.6
RUNDLE		4.50	DOL	MB-TKB	5Y7/2	N7		45			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 345

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: South Ghost River-Headwaters
 NTS MAPSHEET: 8203E

LATITUDE/LONGITUDE-PRESENT: 51 1025 115 1325
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 5600 116 300
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	PL							
KANASK		0.60	SS	NP-FI							
KANASK		1.00	DOL	FL-MBJ-PX			GRAB		0.59	20	4.0
TUNNEL		12.00	SS	QZC-CALY-FG-M							
TUNNEL		0.50	SS	P							
TUNNEL		2.00	SS	TH-MG							
TUNNEL		1.50	COVRD								
TUNNEL		10.00	SS	TH-MB-MG-CG							
TUNNEL		3.00	SS	QZC-FG							
TUNNEL		0.70	SS	MB							
TUNNEL		4.00	DOL	CHI-SHL							
TUNNEL		3.00	SS	MG-TKB							
CARBON		21.00	DOL	SSL-CH-A-TKB							

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 350

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Mt. Costigan

NTS MAPSHEET: 8206W

LATITUDE/LONGITUDE-PRESENT: 51 1700 115 1850

LATITUDE/LONGITUDE-PALINSPASTIC: 51 200 116 900

DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	REC	5R2/6						
KANASK		1.00	SS	CHI-R							
KANASK		3.00	SS	R							
TUNNEL		2.00	SS	P-R							
TUNNEL		12.00	SS	R							
TUNNEL		4.50	DOL	SSI-R							
TUNNEL		7.00	SS	R							
TUNNEL		6.00	SS	DOI-R							
TUNNEL		9.00	SS	DOIY-R							
TUNNEL		12.00	DOL	SSIY-R							

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Aylmer
 NTS MAPSHEET: 8206W

FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY LITHOLOGY
 UNIT MODIFIER

STAIN SUPERGROUP SECTIONS

SEC SECTION: 353

LATITUDE/LONGITUDE-PRESENT: 51 2050 115 2850

LATITUDE/LONGITUDE-PALINSPASTIC: 51 300 116 2200

DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	J							
JOHNST	JCUP	0.20	SS	PC-FG-MB-R	N4		CHIP	190	1.70	50	5.5
JOHNST	JCUP	0.40	SS	PN-FG-MB-R	N4		CHIP	190	2.70	90	5.7
JOHNST		0.30	SS	FG-MB-R	N4			110			
JOHNST	KIPC	0.50	CGL	PN-CH			GRAB	110			
KANASK		0.60	SS	CH-BI FG	5Y7/2			110			
KANASK		0.90	SS	MB	N8			110			
KANASK		0.60	QZT	PJ-R				110			
KANASK		1.50	COVRD					110			
KANASK		1.00	DOL	MB	5Y7/2			110			

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 359

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Otaskan Ridge

NTS MAPSHEET: 82012E

LATITUDE/LONGITUDE-PRESENT: 51 3550 115 2925

LATITUDE/LONGITUDE-PALINSPASTIC: 51 1800 116 1800

DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		3.00	SLTST	SHI-REC	N4						
MOWIT		1.20	SS	PC-TKB-FG-P-UP	N4	N3	CHIP	102	3.80	116	26.5
MOWIT	RCUP	0.50	CGL	PB-PC-RS	N4	N3	CHIP	290	2.75	50	14.2
RANGER		1.50	SS	FG-MB-UP	5Y8/1			53			
RANGER		2.50	SS	CH-BL-MB-TKB	5Y8/1			53			
KANASK		2.00	SS	MB-D-Z	5Y8/1			53			
KANASK		7.00	SS	QZC-MG-MB	5Y8/4			53			
KANASK		12.00	SS	TKB-QZC	5Y8/4			53			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 363

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Brewster Creek
 NTS MAPSHEET: 8204E

LATITUDE/LONGITUDE-PRESENT: 51 800 115 4133
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 3000 117 2600
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	J							
MOWIT		1.00	COVRD	J							
MOWIT		6.00	CHT	HAK-M-CD	N4						
MOWIT		1.00	COVRD								
MOWIT	RCUP	6.00	CHT	HAK-M-CD	N4			60			
RANGER		1.50	PHDS	FG-TKB-GRC	10YR6/2	N3	CHIP	380	6.70	80	9.1
RANGER		3.00	CHT	M	5PB5/2						
RANGER		16.00	COVRD								
RANGER		2.00	CHT	M	5PB5/2						
RANGER		1.00	SS	MB-FG	5Y6/1						
RANGER		2.00	COVRD								
RANGER		1.00	CHT	M	5PB5/2						
RANGER		14.00	COVRD								
RANGER	RCBP	0.20	CGL	PC-PB-MG			GRAB	160	8.60	40	12.9
JOHNST		1.50	CHT	M	5PB5/2			60			
JOHNST		1.00	SS	FG	5Y6/1			60			
JOHNST		2.00	COVRD					60			
JOHNST		1.00	CHT	M	5PB5/2						
JOHNST		2.00	SLTST	MB	N7	N4					
JOHNST		6.00	SS	FG-CH-BL-MG-DOL	N7						
JOHNST		2.00	DOL	MB							
JOHNST		10.00	COVRD								
JOHNST		3.00	SS	FG-DOL-CH-BL							
JOHNST		8.00	COVRD	REC				60			
KANASK		1.00	SS		N4			60			
KANASK		4.00	COVRD					60			
TUNNEL		5.00	SS	QZC-MB-TKB-CH-SR	10YR7/4			60			
								60			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 364

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Sulphur River
 NTS MAPSHEET: 8204E

LATITUDE/LONGITUDE-PRESENT: 51 300 115 3025
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 4600 116 2700
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST								
SULFM		0.50	COVRD								
RANGER		6.00	SS	MB-TKB-QZC-CH	N3	N3		60			
JOHNST		0.50	QZT	MB	N6			60			
JOHNST		2.00	SS	FG-TH-TKB-R	10R4/2			60			
JOHNST		15.00	SS	QZC-MB-TKB-XB	10YR6/2			60			
JOHNST		7.00	SLTST	CH-BL-MB-TKB-DOL	5Y7/2			120			
JOHNST		0.30	SLTST	CH-BL-MB-TKB-DOL	5Y7/2			210	0.06	20	10.3
JOHNST		2.00	SLTST	CH-BL-MB-TKB-DOL	5Y7/2		GRAB	100			
JOHNST		0.40	CHT	HAK-MB-WC-WCO	N1						
JOHNST		9.00	SS	QZC-FG	10YR6/2			60			
JOHNST		1.50	SS	CH	N6			60			
JOHNST		1.40	CHT	HAK-MB	N9			60			
KANASK		15.00	QZT	TKB-CHI	10YR5/4			60			
KANASK		10.00	COVRD					60			
TUNNEL		10.10	SS	QZC-MB-TKB		N4		60			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 365

LATITUDE/LONGITUDE-PRESENT: 51 1600 115 4600
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 5000 116 5600
 DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Ishbel
 NTS MAPSHEET: 8205W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	COVRD	J							
MOWIT	RCUP	0.10	CGL	PB-J-CH							
MOWIT		0.50	SS	MB	10YR4/2			90			
RANGER		6.00	CHT	M-HAK-ARY	5PB3/2			90			
RANGER		2.00	COVRD					140			
RANGER		1.50	SS	CH-FG	10YR4/2	N4		140			
RANGER		4.00	COVRD					140			
RANGER		4.00	SS	CH-FG	10YR4/2			140			
RANGER		2.00	COVRD					90			
RANGER		3.00	SS	MB-TKB	5Y6/4	N4		140			
RANGER		1.50	SS	SHI-NB-PL-FG	5Y6/4	N4		140			
RANGER	RCBP	0.40	CGL	PC			GRAB	140	0.38	30	5.2
JOHNST		1.50	SLTST	MB	N4						
JOHNST		1.50	COVRD								
JOHNST		5.00	SLTST	D	N6						
JOHNST	JCIP	1.08	SLTST	POO-PN							
JOHNST		3.90	SH	CHI			GRAB		13.73		
JOHNST	JCIP	2.43	SS	POO-PN							
JOHNST		47.10	SLTST	SHI-REC			GRAB		5.13		
TUNNEL		7.50	LS	D-SI-R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 366

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Cascade River Crossing
 NTS MAPSHEET: 8205E
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

LATITUDE/LONGITUDE-PRESENT: 51 1725 115 3200
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 116 2700
 DATUM USED: -SULM

FORMATION STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	10.00	COVRD	J							
RANGER	1.00	SS	CH-BL-MB	10YR8/6			140			
RANGER	0.25	CGL	PC-D-AR-SPR			GRAB	286	3.91	140	7.6
JOHNST	1.00	SS	CH-L-MB				170			
JOHNST	4.50	SLTST	CH-SR-TKB	N7	N7					
KANASK	2.00	DOL	SI	N7			60			
KANASK	0.10	CHT	MB			GRAB	120	0.07	20	6.4
TUNNEL	40.00	SS	QZC-MG-NC-TKB-ZY	5Y8/4	5Y8/4		40			
TUNNEL	6.00	COVRD	SI							
TUNNEL	9.00	DOL	FL-TKB	N7						
TUNNEL	20.00	COVRD								
TUNNEL	5.00	LS	TKB		N3					
TUNNEL	1.00	SH	REC				150			
TUNNEL	1.50	DOL								
TUNNEL	2.00	LS	CRX-MB	N3						
TUNNEL	4.50	COVRD								
TUNNEL	3.00	SS	QZC-TKB-FG-MG-WC	10YR7/4			125			
RUNDLE	2.00	DOL	CH-SR	N7			75			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 369

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Stoney Creek
 NTS MAPSHEET: 8205E

LATITUDE/LONGITUDE-PRESENT: 51 2175 115 3500
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 300 116 3000
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		0.50	SLTST	FG	5PB3/2			150			
JOHNST	JCUP	0.50	SS	PC-J	5PB3/2	N4	CHIP	418	3.90	180	24.2
JOHNST		0.50	CHT	M-HAK	N8						
KANASK		10.00	DOL	SIL-CH-SR-MB-TKB	N8	N8		80			
KANASK		0.50	CHT	BCGL-J-R			GRAB	205	0.04	120	10.7
KANASK		1.00	DOL	REC		5Y8/1	GRAB	230	0.09	50	5.1
KANASK		0.50	CHT	AR							
TUNNEL		6.00	QZT	TKB	N7			55			
TUNNEL		6.00	SS	QZC-TKB-MG	10YR6/2	10YR7/4		75			
TUNNEL		5.00	COVRD								
TUNNEL		10.00	SS	QZC-MB-TKB-MG	10YR6/2	10YR7/4		75			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 371

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Flints Park Cabin
 NTS MAPSHEET: 8205W

LATITUDE/LONGITUDE-PRESENT: 51 2450 115 4725
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 4700 117 3500
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST								
SULFM		0.50	COVRD								
MOWIT	RCUP	0.20	CGL	PC-MG-MB-CHC			GRAB	100	0.37	20	1.5
RANGER		13.50	CHT	M-HAK-R	5PB5/2		GRAB	52	0.25	10	1.1
RANGER		0.30	CHT	TH-REC	N4		GRAB	150	0.53	20	2.7
RANGER	RCIP	0.40	SS	PN-NC-FG-MB-WC	10YR7/4	5Y6/1	GRAB	200	0.14	60	7.6
RANGER		7.50	CHT	M-HAK	5B5/1		CHIP	45			
RANGER	RCBP	0.20	PHOS	FG	N7	N4	GRAB	100	23.20	100	18.7
JOHNST		3.00	SS	QZC-WR-TKB	N7						
JOHNST		4.00	DOL	CHI-MB	N7						
JOHNST		6.00	SS	FG-MB				65			
JOHNST		3.00	COVRD								
JOHNST		40.00	DOL	MB-CHI-SSI-SII	N8	N4		60			
TUNNEL		4.00	CHT	M-HAK				47			
TUNNEL		5.00	SS	QZC-FG-TKB	10YR6/6						
TUNNEL		0.00	COVRD								

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 373

LATITUDE/LONGITUDE-PRESENT: 51 2450 115 4000
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 117 300
 DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Cuthead Creek-South
 NTS MAPSHEET: 8205E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST								
		0.00	COVRD								
SULFM		0.50	J								
JOHNST		1.50	DOL	MB-TKB-A-SR	N8	N4		80			
JOHNST		1.80	SLTST	TKB	5Y7/2			60			
JOHNST		6.00	SLTST	TKB-VG-D-FXL	5Y7/2			55			
JOHNST		1.50	DOL	MB-TKB	N8			55			
JOHNST		4.50	COVRD					55			
JOHNST		2.00	SLTST	D-TKB	N7			55			
JOHNST		0.50	COVRD								
JOHNST	KIPC	0.30	SS	PC-MB-FG	N4	N4	GRAB	120	0.14	30	4.5
JOHNST	KIPC	0.30	CGL	PC-CHC			CHIP	135	1.30	30	5.8
KANASK		4.00	SS	CHC-QZC	5Y6/1	5Y6/1		55			
KANASK		2.00	DOL	FXL	5Y6/1	5Y4/1					
KANASK		9.00	COVRD								
TUNNEL		15.00	SS	QZC-NC-FG-MB-TKB	10YR7/4	10YR7/4		80			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 377

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Panther Mountain Gap
 NTS MAPSHEET: 82012E

LATITUDE/LONGITUDE-PRESENT: 51 3300 115 4350
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 1300 116 3700
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	PL							
MOWIT	RCUP	0.60	SS	TKB-FG	10YR6/2	N5	GRAB		3.40	60	5.5
MOWIT	RCUP	0.15	SS	PB-PN	10YR6/2		GRAB		13.50	90	11.9
RANGER		0.70	CHT	R	N9						
RANGER	RCBP	0.25	CGL	PC-CHC-SPR			CHIP	150	4.00	20	8.6
RANGER		0.50	SS	QZC	10YR6/2						
TUNNEL		1.50	DOL	CH	N8						
TUNNEL		1.00	SS	QZC-MG-SBR	N8						
TUNNEL		1.50	SS	FG-QZC	10YR6/2	N3					
TUNNEL		1.50	DOL	CH-BL	N8						
TUNNEL		0.15	CHT	HAK-WC-RW			GRAB		0.07	90	4.5
TUNNEL		3.00	DOL	MCRX-CH-BL	N8						
TUNNEL		21.00	SS	D-QZC-FG-MB	10YR8/6			100			
TUNNEL		2.00	DOL	MB-SI-CHBL-MCRX	N8						
TUNNEL		9.00	SS	L-D-FG-MB	10YR8/6			100			
TUNNEL		7.00	SLTST	D-QZC-RR-CHBL	10YR6/6						
TUNNEL		0.60	DOL	VTH-REC			GRAB	300	0.21		21.1
TUNNEL		10.00	DOL	SI-D-MB-AL	N7			75			
TUNNEL		0.50	SLTST	D-MB	10YR6/6			75			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
STRATIGRAPHIC SECTION: 379

REFERENCE: Alberta Geological Survey
LOCALITY NAME: McConnell Creek
NTS MAPSHEET: 82012W

LATITUDE/LONGITUDE-PRESENT: 51 4025 115 5825
LATITUDE/LONGITUDE-PALINSPASTIC: 51 1500 117 1000
DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	PL-PX-REC				170			
RANGER		0.20	COVRD								
RANGER		12.00	CHT	M	5PB5/2			60			
RANGER		1.00	CHT	PT-M-SSI	5PB5/2	N3	CHIP	140	1.30	40	7.0
RANGER		0.70	CHT	PT-J-M-SSI	5PB5/2	N3	CHIP	214	1.90	40	
RANGER		7.50	CHT	M-R	5B5/1		GRAB	110	0.23	20	2.2
RANGER		0.30	CHT	M	5B5/1		CHIP	230	0.23	10	1.9
RANGER		0.20	CHT	M-SC	5B5/1		CHIP	730	0.25	30	3.4
JOHNST	RCBP	1.00	DOL	PC-SIL-VG-A	N7		GRAB	75	7.60	180	18.8
JOHNST		12.00	SS	QZC-FG-MG-TKB	5Y7/2	N3		75			
JOHNST		1.00	CHT	M	N3						
JOHNST		2.00	DOL	CHI-TH-REC				60			
JOHNST		1.00	COVRD								
JOHNST		12.00	DOL	CHI	5Y6/1						
JOHNST		2.00	COVRD					60			
JOHNST		0.80	CHT	MB	N1			55			
TUNNEL		3.00	QZT	MB-TKB-BCGL-F				100			
TUNNEL		9.00	SS	QZC-FG-MG-RRS				100			
TUNNEL		10.00	SS	QZC-CH-SR	10YR6/2						
TUNNEL		6.00	SS	QZC-FG-XB	5Y7/2						
TUNNEL		3.00	SS	QZC-FG-XB-CH-SR	5Y7/2						
TUNNEL		3.00	SS	PT-QZC-TKB	5Y7/2		GRAB	100	1.50	20	2.5

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 381

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Mt. White

NTS MAPSHEET: 82D12W

LATITUDE/LONGITUDE-PRESENT: 51 3925 115 5000

LATITUDE/LONGITUDE-PALINSPASTIC: 51 1900 116 4300

DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	PT-VTH-REC			GRAB		5.70	60	10.7
RANGER	RCUP	0.30	SS	PCJ-FG			CHIP	330	2.80	50	
RANGER		10.00	CHT	M-HAK	5PB5/2			75			
RANGER	RCBP	0.40	SS	PT-MB-FG	5PB5/2		GRAB	170	2.10	50	7.9
RANGER	RCBP	0.30	SS	PB-CH-BL-FG-VB			CHIP	210	2.10	60	8.7
RANGER	RCBP	0.50	SS	PT-MB-L-FG	N3	N3	GRAB	170	1.00	60	2.4
RANGER	RCBP	0.30	CGL	PC-CH			CHIP	170	3.00	40	7.1
JOHNST		1.50	SS	QZC-FG-M-TKB	5Y6/1			70			
KANASK	KFIP	0.40	CHT	PP-PB-TH-BCGL			GRAB	130	4.20	30	4.0
TUNNEL		5.30	QZT	BCGL-F				70			
TUNNEL		1.00	SLTST	D-CH	N7						
TUNNEL		0.80	CHT	BCGLY							
TUNNEL		4.00	DOL	PC-CHI-BCGLY-SIY	N7						
TUNNEL		1.50	QZT	TKB							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 384

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Gable Mountain
 NTS MAPSHEET: 82012E

LATITUDE/LONGITUDE-PRESENT: 51 3825 115 4175
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 1800 116 3000
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	COVRD					148			
TUNNEL		4.00	SS	QZC-FG	5Y7/2			98			
TUNNEL		4.00	QZT	TKB	5Y6/1			89			
TUNNEL		5.00	DOL	FL-QZC-SSI-VG-CH	5Y6/1			85			
TUNNEL		3.50	COVRD								
TUNNEL		1.00	SS	QZC-FG-MG-TKB	5Y6/1	5PB5/2		76			
TUNNEL		4.50	COVRD								
TUNNEL		2.00	DOL	MB	5Y7/2			60			
TUNNEL		1.50	COVRD								
TUNNEL		1.00	DOL	PVG-A-TKB	N8			70			
TUNNEL		7.50	DOL	Z-VTH-MB	10YR7/4						
RUNDLE		2.00	LS	FL-MB	N4						

ROCKY MOUNTAIN SUPERGROUP SECTIONS
STRATIGRAPHIC SECTION: 389

REFERENCE: Alberta Geological Survey
LOCALITY NAME: North of Peters Peak
NTS MAPSHEET: 82013W

LATITUDE/LONGITUDE-PRESENT: 51 5400 115 5475
LATITUDE/LONGITUDE-PALINSPASTIC: 51 3500 116 4100
DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	VTH-PL-REC							
SULFM		0.50	COVRD	J							
MOWIT	RCUP	0.30	SS	PC-R	10YR4/2	10YR4/2	GRAB	90	2.30	100	7.1
RANGER		3.50	CHT	M-HAK-CD-R	5PB5/2	5PB5/2	GRAB	60	0.43	20	1.8
RANGER		1.00	SS	FG-R			GRAB		0.43	20	1.8
RANGER		0.10	CGL	CH-R							
RANGER		0.20	SS		5Y6/1						
RANGER		0.05	CGL	CH							
JOHNST		0.10	SS	PN							
JOHNST	RCBP	0.10	SS	PN-R			CHIP	210	2.40	40	6.3
JOHNST		0.10	SS	CH-N-V-WC-WCO							
JOHNST		0.70	SS	CH-FG	N6						
KANASK	KIPC	0.30	CGL	PC-WC-CH-D			GRAB	90	13.80	30	10.1
KANASK		0.70	SS	QZC-MG	10YR6/2			70			
KANASK		2.00	DOL	BCGL-CH-TKB	N8			70			
TUNNEL		7.00	SS	QZC-FG	5Y7/2			70			
TUNNEL		8.00	DOL	CHI-MB-TKB-CON	10YR8/2			70			
TUNNEL		0.20	SH	REC-PL				70			
TUNNEL		4.50	SS	M-XB-MG	10YR7/4			70			
TUNNEL		0.40	SS	M-XB	10YR7/4			70			
TUNNEL		0.20	SH	SI-REC				70			
TUNNEL		0.20	SS	M-XB	10YR7/4			70			
TUNNEL		0.20	SH	SI-REC				70			
TUNNEL		1.00	DOL	CHI-MB-TKB-CON	10YR8/2			70			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 392

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Stewart
 NTS MAPSHEET: 8203W

LATITUDE/LONGITUDE-PRESENT: 51 1000 115 1750
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 5400 116 1300
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		24.00	SLTST	SLD-PL			GRAB	146	0.55	30	
JOHNST	KIPC	0.20	SS	P-REC-MG-MB	5Y6/1			87			2.1
JOHNST	KIPC	0.30	SS	CHY-BCGLY	5Y6/1						
KANASK		2.00	SS	NP-MB-FG	N6	N4					
KANASK		0.50	DOL	SIL-MB	N7						
KANASK		37.00	SS	QZC-NC-FG-MB-JB	10YR7/4	N6	GRAB	60	0.64	30	3.4
TUNNEL		1.50	SS	REC-ZY-P							
TUNNEL		20.00	SS	TKB-AZC-NC-FG-VB							

ROCKY MOUNTAIN SUPERGROUP SECTIONS

STRATIGRAPHIC SECTION: 393

REFERENCE: Telfer-1933

LOCALITY NAME: Panther River-Headwaters

NTS MAPSHEET: 82012W

LATITUDE/LONGITUDE-PRESENT: 51 3075 115 4775

LATITUDE/LONGITUDE-PALINSPASTIC: 51 1100 116 3800

DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00		REC							
RANGER		4.88	CHT	R							
RANGER	RCBP	0.06	CGL	PN-REC			CHIP	23.90			
JOHNST		49.00	LS	R-SII							
TUNNEL		79.00	SS	R							
RUNDLE		1.00	LS	R							

ROCKY MOUNTAIN SUPERGROUP SECTION
 STRATIGRAPHIC SECTION: 39

REFERENCE: deschmidt-1916
 LOCALITY NAME: Sundance Canyon
 NTS MAPSHEET: 8204E

LATITUDE/LONGITUDE-PRESENT: 51 850 115 3750
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 4400 116 4900
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	J							
RANGER		19.50	CHT	R							
RANGER		0.20	CHT	R							
RANGER		0.03	SH	REC			CHIP	0.61			
RANGER		0.15	SS	R			CHIP	0.35			
RANGER		0.28	SH	REC			CHIP	0.33			
RANGER		1.07	SS	R			CHIP	0.26			
RANGER	RCBP	0.03	SH	PI			CHIP	24.88			
RANGER	RCBP	0.46	SS	PC			CHIP	18.16			
RANGER	RCBP	0.03	SH	PI			CHIP	18.13			
JOHNST		0.20	SS	CAL-V-R							
JOHNST	JCIP	0.03	SH	PI-REC			CHIP	30.60			
JOHNST		0.69	SS	R							
JOHNST		0.40	SS	R			CHIP	0.57			
JOHNST		4.27	SLTST	D-CH							
JOHNST		2.28	DOL	QZC-RS							
JOHNST		0.23	SH	AR-REC			CHIP	0.51			
JOHNST		18.28	SLTST	CH-D-SI-RS							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 395

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Lake Minnewanka Damsite
 NTS MAPSHEET: 8203E

LATITUDE/LONGITUDE-PRESENT: 51 1375 115 3100
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 5800 116 2500
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	TH-TKB-SHI-REC	N1			75			
COND-P		0.30	SS	R	N5			50			
COND-P		0.20	SS	PN-P-CAL-CH-RS	5YR3/2		CHIP	150	1.56	50	6.2
KANASK		0.40	CHT	R	N9			30			
KANASK	TIFC	0.50	CGL	PE-CH-R	5PB5/2			30			

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 396

REFERENCE: deschmidt-1916
 LOCALITY NAME: Mt. Norquay
 NTS MAPSHEET: 8204E

LATITUDE/LONGITUDE-PRESENT: 51 1100 115 3675
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 4900 116 3500
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST								
RANGER		26.21	QZT								
RANGER		0.29	SH	REC							
RANGER		1.22	QZT	PN			GRAB		0.29		
RANGER	RCBP	0.61	SS	PC-PN							
JOHNST		6.71	QZT	CH-R			GRAB		3.84		
JOHNST		1.83	QZT	R							
JOHNST		0.61	CHT	R							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 397

REFERENCE: Mobil Oil-1965
 LOCALITY NAME: Mouth of Dogrib Creek
 NTS MAPSHEET: 82011W

LATITUDE/LONGITUDE-PRESENT: 51 3900 115 2725
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 2100 116 1400
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC	THICKNESS	LITHOLOGY	LITHOLOGY	WEATHERED	FRESH	SAMPLE	TOTAL	P205	V	U
UNIT				MODIFIER	COLOR	COLOR	TYPE	COUNT	(%)	(PPM)	(PPM)
								(CPS)			
SULFM		1.00	SLTST	J							
PERM-U		0.00		NP							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 398

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Skelton Creek
 NTS MAPSHEET: 82013E

LATITUDE/LONGITUDE-PRESENT: 51 4975 115 4100
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3200 116 2800
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	J							
PERM-U		0.00		NP							

ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 399

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Bow Falls
 NTS MAPSHEET: 8204E

LATITUDE/LONGITUDE-PRESENT: 51 875 115 3333
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 4800 116 3200
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	TH							
RANGER		0.50	COVRD								
RANGER		3.00	CHT	M-HAK	N4			150			
RANGER	RCBP	0.10	CGL	PC-J	N4		GRAB	150	1.80	30	1.4
JOHNST		3.00	DOL	SIL	10YR6/2						
JOHNST		2.00	SLTST	MB	10YR7/4	N4					
JOHNST		0.60	SLTST	REC-VTH-Z-BM			GRAB	150	0.11	40	8.9
JOHNST		0.70	SLTST	TKB	5Y6/1						
JOHNST		0.20	SLTST	PP-VTH			GRAB	160	0.11	50	11.9
JOHNST		0.50	SLTST	TKB							
JOHNST		0.60	SLTST	MB	5Y6/1		GRAB	185	0.48	40	7.4
JOHNST		10.00	SLTST	CH-BL-TKB	5Y6/1			70			
JOHNST		2.00	SH	SII-REC	5Y6/1						
JOHNST		6.00	COVRD								
JOHNST		1.50	SLTST	CH-BL-TKB				75			
KANASK		12.00	SS	FG-M-TKB	5Y6/1						
KANASK		0.20	CHT	HAK	N4		GRAB	200	0.04		12.3
KANASK		2.00	DOL	CH-BL-CHI-D-SIL	5Y8/4			50			
KANASK		1.50	COVRD					50			
KANASK		2.00	DOL	CH-BL-CHI-D-SIL	5Y8/4			50			
KANASK		0.30	SS	TKB	10YR8/6			50			
KANASK		0.70	CHT	HAK	N4			50			
KANASK		3.00	DOL	CH-BL	N6			50			
KANASK		1.00	CHT	HAK-LI	N9			50			
KANASK		3.00	SLTST	DOI-CH-BL	N6			50			
TUNNEL		4.50	SS	MB-TH	5Y8/4			50			
TUNNEL		38.00	SS	QZC-TKB	N7			50			

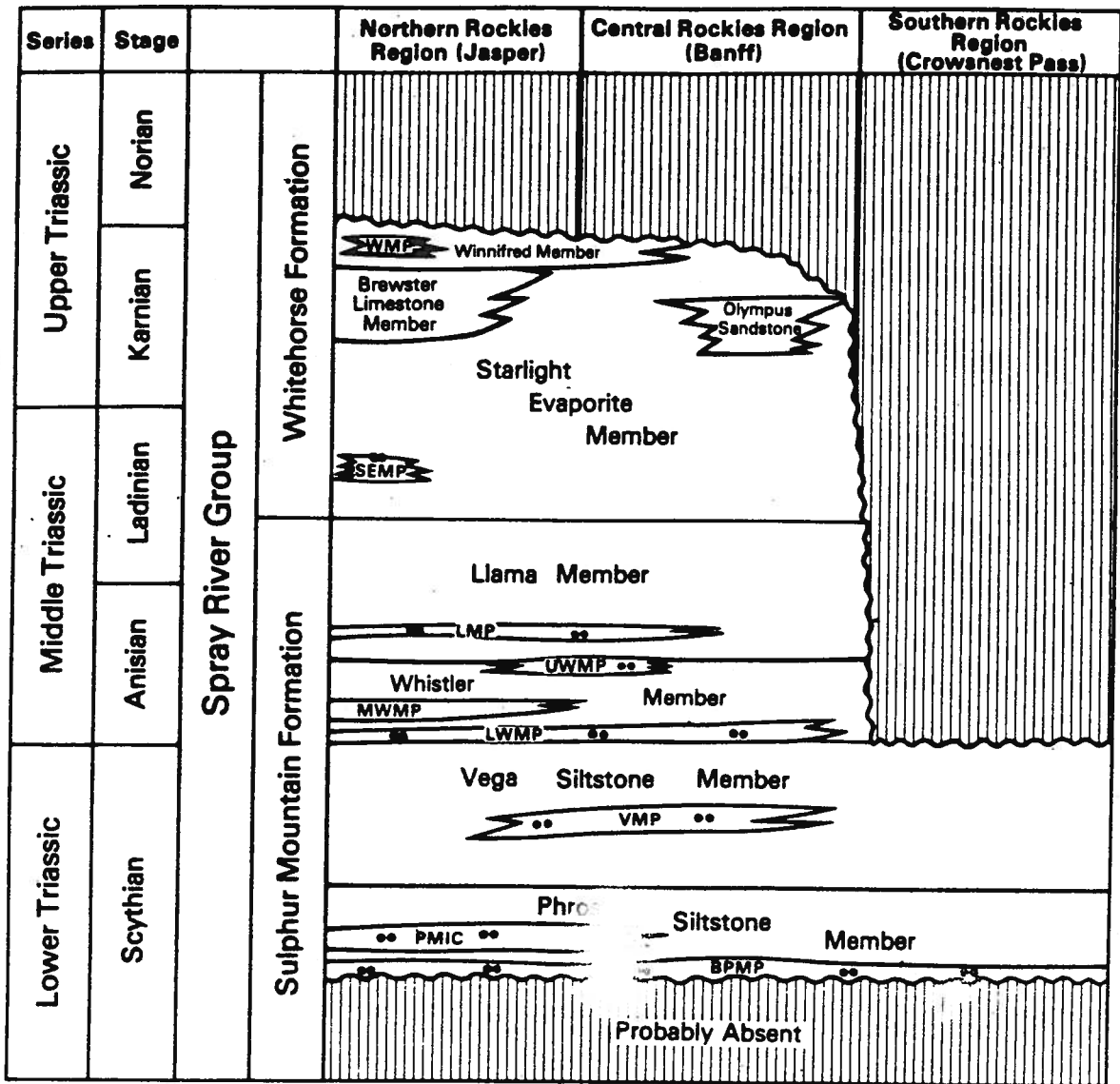
ROCKY MOUNTAIN SUPERGROUP SECTIONS
 STRATIGRAPHIC SECTION: 402

REFERENCE: Mcgugan and Rapson-various
 LOCALITY NAME: Mt. Peters
 NTS MAPSHEET: 82013W

LATITUDE/LONGITUDE-PRESENT: 51 5100 115 5900
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3000 116 4900
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		1.00	SLTST	REC							
RANGER		15.00	SS	CH-R							
RANGER	RCBP	0.30	CGL	PC-J							
TUNNEL		39.60	SS	J-CH-N-R							

SPRAY RIVER GROUP SECTIONS



Phosphatic Horizon (--)

- | | |
|--|---|
| BPMP - Basal Phroso Member Phosphate | MWMP - Middle Whistler Member Phosphate |
| PMIC - Phroso Member (Intraformational Conglomerate) | LMP - Llama Member Phosphate |
| VMP - Vega Member Phosphate | UWMP - Upper Whistler Member Phosphate |
| LWMP - Lower Whistler Member Phosphate | WMP - Winnifred Member Phosphate |
| | SEMP - Starlight Evaporite Member Phosphate |

Figure 3. Nomenclature of stratigraphic correlation of the Spray River Group, front ranges of Alberta

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 8

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Whitehorse Creek
 NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 5900 117 2100
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 3600 118 200
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.07	SLTST	VTH-TH-FL-REC	10YR5/4	5PB5/2	GRAB	85	0.19	40	9.6
SULFM		6.90	QZT	SHIY-P-MB-TKB-R	10YR5/4	5PB5/2	GRAB	147	0.09	30	2.7
SULFM		0.23	SH	SI-REC	N9	N5	CHIP	183	0.15	90	4.2
SULFM		2.54	QZT	TH-MB-MG-P-NC-R	5Y6/1	5PB5/2	GRAB	105	0.18	30	2.3
SULFM		1.06	COVRD								
COND-P	ICP	0.20	CGL	PB-CH-RS-CAL-QZC			GRAB	170	3.53	40	15.0
RUNDLE		2.00	DOL	MCRX-TKB-M-R	N7	N6		26			

SPRAY RIVER GROUP SECTIONS
STRATIGRAPHIC SECTION: 11

REFERENCE: Alberta Geological Survey
LOCALITY NAME: McLeod River
NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 5875 117 1975
LATITUDE/LONGITUDE-PALINSPASTIC: 52 3900 117 4600
DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	LLAMA	14.93	SLTST	D-QZC-WI-SHI							
SULFM	VEGA	35.96	SLTST	D-QZC-MB-TKB-R			GRAB		0.14	30	1.8
SULFM	PHROSO	3.00	SLTST	VTH-Z-BM-RS	10YR7/4	5PB5/2	CHIP	95	0.20		4.7
SULFM	PHROSO	2.00	COVRD					147			
SULFM	PHROSO	5.00	SLTST	VTH-PL-SHI-RS			CHIP	155	0.14	70	5.0
SULFM	PHROSO	25.00	DOL	LSI-SII-R							
SULFM	PHROSO	57.60	SLTST	QZC-D-PL-FS-REC				121			
SULFM	PHROSO	8.50	SLTST	TKB-P-SHI-REC			GRAB		0.16	40	2.3
SULFM	PHROSO	0.10	SH	REC	N9						
SULFM	PHROSO	1.00	SLTST	TKB-P-REC	10YR6/2	N4		102			
SULFM	PHROSO	2.00	SLTST	TH-MB-CH-REC	N7						
SULFM	PHROSO	0.10	CHT	VTH-WC-WCO-REC			GRAB	89	0.03	10	1.5
SULFM	PHROSO	5.00	SLTST	MB-TKB-FG-SP-CH	N7	N7	GRAB	72	0.07	20	1.3
PERM-U		0.01	CGL	WCO-RS			GRAB	52	0.02	10	0.6
RUNDLE		2.00	DOL	CRX	5Y4/1	N4					

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 13

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Whitehorse Creek
 NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 5875 117 2275
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 4200 117 5400
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	NMLSP	0.30	SH	SII-WC-VTH-YS-FS	N1	N1	CHIP	633	0.30	2800	49.8
WHITE	WINNIFRED	0.10	SS	WCO-R-HEM	10R4/6	N8	CHIP		0.16	80	57.9
WHITE	WINNIFRED	0.60	SS	R-SWB	10R4/6	N8					
WHITE	WINNIFRED	3.50	SS	QZC-CG-MB-TKB-	5Y7/2	N8		168			

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 22

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Two O'Clock Creek
 NTS MAPSHEET: 83C1W

LATITUDE/LONGITUDE-PRESENT: 52 428 116 2610
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3500 117 3700
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	STARLIGHT	1.00	SLTST	VTH-MB-REC-D							
SULFM	WHISTLER	7.00	SLTST	PL-VTH-Z	N4		CHIP	130	0.25	40	1.7
SULFM	WHISTLER	7.00	SLTST	VTH-PL-Z	N4		CHIP	140	0.36	40	1.8
SULFM	LWMP	7.00	SLTST	PT-PL-FS-REC	N4		CHIP	125	1.12	40	2.2
SULFM	VEGA	268.80	SLTST	MB-TKB-RS-J							
SULFM	PHROSO	3.00	COVRD								
SULFM	PHROSO	3.00	SLTST	VTH-REC							
SULFM	PHROSO	5.00	SLTST	PX-REC	5Y2/1	N4	GRAB	146	0.25	120	2.2
SULFM	PHROSO	3.00	SLTST	MB-REC	5Y2/1	N4	CHIP	172	0.22	110	3.7
SULFM	PHROSO	3.00	SLTST	MB-P-REC	5Y2/1	N4	CHIP	145	0.23	120	3.8
SULFM	PHROSO	3.00	SLTST	VTH-MB-REC	5Y2/1	N4	CHIP	174	0.20	130	4.2
SULFM	PHROSO	3.00	SLTST	NC-REC	5Y2/1	N4	CHIP	168	0.18	120	4.7
SULFM	PHROSO	10.00	COVRD	J							
PERM-U		1.00	SS	RS							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 25

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Blackstone River-West
 NTS MAPSHEET: 83C10E

LATITUDE/LONGITUDE-PRESENT: 52 3517 116 3515
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1900 117 800
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	VEGA	15.00	QZT	MB-TKB-PCG-R-REC	5Y7/2	N8		114			
SULFM	VEGA	13.00	COVRD	MB-SSI							
SULFM	VEGA	2.00	SLTST	VTH	5Y4/1	N4	CHIP	112	0.29	40	3.4
SULFM	VEGA	10.20	QZT	MB-TKB-SII	10YR7/4	N6	GRAB		0.45	20	1.8
SULFM	PHROSO	1.00	SLTST	VTH-PL-REC	5Y4/1	N6	CHIP	92	0.29	40	2.0
SULFM	PHROSO	2.50	SLTST	MB-TKB-R-FAU	10YR4/2	N6		72			
RUNDLE		4.00	DOL	MB-MCRX-FX-R							

SPRAY RIVER GROUP SECTIONS

STRATIGRAPHIC SECTION: 30

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Highhorn Range

SW

LATITUDE/LONGITUDE-PRESENT: 52 2966 116 2700

LATITUDE/LONGITUDE-PALINSPASTIC: 52 1300 117 100

DATUM USED: +MISN

		THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	15.00	SLTST	VTH-MB-REC	5YR4/1	5P6/2	GRAB	80	0.44	40	
SULFM	PHROSO	10.00	COVRD								
KANASK		3.00	QZT	MB-R	5Y6/1	N5					
CARBON		2.00	DOL	CRX-R	5Y7/2	5Y6/1					

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 45

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Elliot Peak-South
 NTS MAPSHEET: 83C1W

LATITUDE/LONGITUDE-PRESENT: 52 700 116 2850
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 2400 117 4300
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	LLAMA	3.00	SLTST	MB-D-R	10YR7/4						
SULFM	UWMP	0.50	SS	PQ-FG-MG-REC	N3		GRAB		10.40	90	29.0
SULFM	WHISTLER	6.00	SLTST	Z-TH-FS-PX-REC				180			
SULFM	WHISTLER	1.00	SLTST	SHI-TH-FS-REC			CHIP	220	1.40	630	18.9
SULFM	LWMP	0.70	SLTST	PN-CB-PL-SHI-REC	N1		CHIP	500	4.40	590	39.8
SULFM	VEGA	1.00	DOL	MB-SI	N7						
SULFM	VEGA	243.00	SLTST	REC							
SULFM	PHROSO	63.00	SLTST	REC							
PERM-U		1.00									

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 48

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Ram Range-North
 NTS MAPSHEET: 83C1W

LATITUDE/LONGITUDE-PRESENT: 52 1100 116 1700
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 5200 117 200
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	VEGA	40.00	SLTST	PL-MB-REC	10YR4/2		GRAB	105	0.43	40	2.5
SULFM	PHROSO	29.00	SLTST	PL-VTH-REC	10YR4/2		GRAB	90	0.11	50	1.5
MOWIT		0.70	SS	CH-TKB-FG-R	10YR4/2						

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 52

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Coral Creek-West Ridge
 NTS MAPSHEET: 83C7E

LATITUDE/LONGITUDE-PRESENT: 52 1550 116 4150
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3100 117 5200
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	LLAMA	6.00	SS	M-FG-R							
SULFM	UWMP	0.60	SS	PQ-FG-R	5Y7/2		CHIP	215	2.67	60	17.5
SULFM	WHISTLER	0.70	SS	PL-R-FL	5Y7/2						
SULFM	WHISTLER	0.70	SS	MB-FG-IRI-REC	5Y7/2			145			
SULFM	WHISTLER	1.00	COVRD								
SULFM	WHISTLER	1.00	SLTST	PL-TH-NC-IRI-REC	N3		GRAB	200			7.3
SULFM	WHISTLER	4.00	COVRD	REC							
SULFM	WHISTLER	0.50	SLTST	PX-J-REC	N3		GRAB	340	0.62	1930	21.3
SULFM	VEGA	22.00	SLTST	TKB-D-R				150			
SULFM	VEGA	4.00	SLTST	PL-VTH-D				110			
SULFM	VEGA	46.00	SLTST	PL-TKB-R				110			
SULFM	VEGA	55.00	SLTST	TH-FR				110			
SULFM	PHROSO	22.00	SLTST	VTH-PL-REC-PX-Z				110			
MOWIT		1.00	CHT	R							

SPRAY RIVER GROUP SECTIONS

STRATIGRAPHIC SECTION: 57

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Blackface Mountain

NTS MAPSHEET: 83C13E

LATITUDE/LONGITUDE-PRESENT: 52 5333 117 2933

LATITUDE/LONGITUDE-PALINSPASTIC: 52 2700 118 700

DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	1.00	SLTST	SHI-PL-TH-REC	N4						
SULFM	PHROSO	0.60	SLTST	PI-SHI-PL-TH-REC	N4		GRAB				
SULFM	PHROSO	2.40	SLTST	SHI-PL-TH-REC	N4		CHIP	149	0.22	540	9.5
SULFM	PHROSO	3.00	SLTST	SHI-PL-TH-REC	N4		CHIP	270	0.41	940	14.7
MOWIT	MUP	0.20	CGL	PC-F-B-R	N3		GRAB	320	2.10	80	14.5

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 60

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Deception Creek
 NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 5000 117 2200
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 2500 118
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	WINNIFRED	4.50	CHT								
WHITE	STARLIGHT	5.00	DOL	MB-TKB	5Y7/2						
WHITE	STARLIGHT	10.00	COVRD								
WHITE	STARLIGHT	3.00	SS	MB-TKB-SLK	N4						
WHITE	STARLIGHT	0.10	CGL	PP-CH-CG-R							
WHITE	STARLIGHT	30.00	DOL	MB-TKB			GRAB	160	3.70	20	7.1
WHITE	OLYMPUS	16.00	SS	QZC-CAL	10YR7/4			40			
WHITE	STARLIGHT	10.00	DOL	MB				40			
WHITE	STARLIGHT	5.00	SS	QZC				40			
WHITE	STARLIGHT	5.00	DOL	MB				40			
WHITE	STARLIGHT	18.00	COVRD					40			
WHITE	STARLIGHT	9.00	SS	MB				40			
WHITE	STARLIGHT	14.00	COVRD					40			
SULFM		1.50	DOL	PT-QZC-FX-MB-RS							
SULFM	LLAMA	3.00	COVRD								
SULFM	VEGA	59.00	SLTST		5PB5/2						
SULFM	PHROSO	130.00	COVRD					110			
SULFM	PHROSO	15.00	SLTST	PL-VTH	5PB5/2						
SULFM	PHROSO	10.00	SLTST	PL	10YR6/2		GRAB		0.20	50	2.3
PERM-U		0.20	SS	CGL-R				110			
								505			

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 66

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Southesk River
 NTS MAPSHEET: 83C11E

LATITUDE/LONGITUDE-PRESENT: 52 3500 117 400
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 100 117 4700
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	15.00	SLTST	VTH-BM-REC	5Y4/1	5Y4/1	GRAB	150	0.25	60	2.4
SULFM	PHROSO	10.00	COVRD								
RANGER		2.00	CHT	PT-HAK-R-MB	5PB3/2	5B5/1	GRAB	110	1.40	30	3.3

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 70

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Dalhousie
 NTS MAPSHEET: 83C11E

LATITUDE/LONGITUDE-PRESENT: 52 3775 117 50
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1400 117 4000
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	STARLIGHT	10.00	COVRD	DOI-PX							
WHITE	OLYMPUS	45.00	SS	QZC-TKB	10YR8/6			50			
WHITE	STARLIGHT	6.00	COVRD								
WHITE	STARLIGHT	4.00	LS	MCRX-MB-TKB	N7						
WHITE	STARLIGHT	15.00	DOL	PX-DOI-VG	N7			39			
WHITE	STARLIGHT	3.00	DOL		5R6/6						
WHITE	STARLIGHT	20.00	COVRD								
WHITE	LLAMA	15.00	SLTST	DOI	5Y6/4	5Y6/1		90			
SULFM		277.00	COVRD	J				85			
SULFM	VEGA	12.00	SLTST	PL-TKB	10YR6/2			85			
SULFM	PHROSO	11.00	SLTST	VTH	10YR6/2			85			
SULFM	PHROSO	10.00	COVRD	REC				85			
PERM-U		1.50	QZT	MB	5Y4/1	5Y4/1					

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 79

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Bighorn River-Headwaters
 NTS MAPSHEET: 83C7E

LATITUDE/LONGITUDE-PRESENT: 52 1900 116 3900
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 5200 117 3300
 DATUM USED:

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	MWMP	0.11	PHOS	PQ-REC							
SULFM	UWMP	0.18	PHOS	PQ-REC							
SULFM	WHISTLER	1.50	SS	CAL-RS-J							
SULFM	WHISTLER	1.50	SS	CAL-RS-J							
SULFM	LWMP	0.18	PHOS	PQ-REC							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 80

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Littlehorn Creek-Headwaters
 NTS MAPSHEET: 83C7E

LATITUDE/LONGITUDE-PRESENT: 52 1650 116 3400
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 4700 117 2900
 DATUM USED:

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	WMP	3.65	SH	PQ-SSI-REC							
								5.90			

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 82

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Whitegoat Creek
 NTS MAPSHEET: 83C2E

LATITUDE/LONGITUDE-PRESENT: 52 1500 116 3200
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 4800 117 2600

DATUM USED:

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	WMP	1.82	SS	PQ-RS							
SULFM	WMP	0.91	LS	PQ-SI							

SPRAY RIVER GROUP SECTIONS

STRATIGRAPHIC SECTION: 83

REFERENCE: Gibson-1974

LOCALITY NAME: Mt. Olympus

NTS MAPSHEET: 83C7W

LATITUDE/LONGITUDE-PRESENT: 52 2800 117 200

LATITUDE/LONGITUDE-PALINSPASTIC: 51 3900 118 1200

DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	LLAMA	19.20	SLTST	D-RS							
SULFM		4.80	SLTST	PT-D-RS							
SULFM	WHISTLER	9.60	SLTST	D-Z-REC							
SULFM	LWMP	2.40	SLTST	PT-D-Z-REC							
SULFM	VEGA	4.80	SLTST	D-RS-Z							
SULFM	VMP	2.40	SLTST	PT-D-RS-Z							
SULFM	VEGA	12.00	SLTST	D-RS							
SULFM	VEGA	57.60	SLTST	D-RS							
SULFM	PHROSO	194.40	SLTST	D-REC							
SULFM	BPMP	2.40	SLTST	PT-Z-REC							
PERM-U	BPMP	1.00	SS	CH-R							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 84

REFERENCE: Gibson-1968a
 LOCALITY NAME: Helmet Mountain
 NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 4700 117 3300
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 5800 118 4200
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	LLAMA	20.00	SLTST	D-RS							
SULFM		5.00	SLTST	PT-D-RS							
SULFM	LLAMA	10.00	SLTST	D-RS							
SULFM	WHISTLER	25.00	DOL	SII-REC							
SULFM	LWMP	5.00	DOL	PT-SII-REC							
SULFM	VEGA	5.00	SLTST	D-REC							
SULFM	VMP	5.00	SLTST	PT-REC							
SULFM	VEGA	65.00	SLTST	D-RS-Z							
SULFM	PHROSO	135.00	SLTST	D-Z-REC							
PERM-U		1.00	SS	CH-R							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 84

REFERENCE: Gibson-1968a
 LOCALITY NAME: Helmet Mountain
 NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 4700 117 3300
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 5800 118 4200
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	LLAMA	20.00	SLTST	D-RS							
SULFM		5.00	SLTST	PT-D-RS							
SULFM	LLAMA	10.00	SLTST	D-RS							
SULFM	WHISTLER	25.00	DOL	SII-REC							
SULFM	LWMP	5.00	DOL	PT-SII-REC							
SULFM	VEGA	5.00	SLTST	D-REC							
SULFM	VMP	5.00	SLTST	PT-REC							
SULFM	VEGA	65.00	SLTST	D-RS-Z							
SULFM	PHROSO	135.00	SLTST	D-Z-REC							
PERM-U		1.00	SS	CH-R							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 85

REFERENCE: Gibson-1968a
 LOCALITY NAME: Deception Mountain
 NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 5050 117 2250
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 2500 118
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		4.00	DOL	PT-SI-REC							
SULFM	VEGA	35.00	SLTST	D-RS							
SULFM		0.00	COVRD								
SULFM	PHROSO	165.00	SLTST	D-Z-REC							
PERM-U		1.00	SS	CH-R							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: '86

LATITUDE/LONGITUDE-PRESENT: 52 4400 117 800
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1900 117 4800
 DATUM USED: +RYMT

REFERENCE: Gibson-1968a
 LOCALITY NAME: Mt. McBeath
 NTS MAPSHEET: 83C11E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		5.00	DOL	PT-SI-RS							
SULFM		10.00	DOL	PT-PX-REC							
SULFM	VEGA	100.00	SLTST	D-Z-RS							
SULFM	PHROSO	185.00	SLTST	D-Z-REC							
PERM-U		1.00	SS	CH-R							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 87

REFERENCE: Gibson-1968a
 LOCALITY NAME: Rocky River
 NTS MAPSHEET: 83C13E

LATITUDE/LONGITUDE-PRESENT: 53 0 117 4300
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 3400 118 2000
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		2.00	PHOS	PT-D-REC							
SULFM	LLAMA	35.00	SLTST	D-REC							
SULFM	VEGA	70.00	SLTST	D-REC							
SULFM	PHROSO	125.00	SLTST	PX-D-REC-Z							
PERM-U		1.00	SS	CH-R							

SPRAY RIVER GROUP SECTIONS

STRATIGRAPHIC SECTION: 89

LATITUDE/LONGITUDE-PRESENT: 53 0 118 0

LATITUDE/LONGITUDE-PALINSPASTIC: 52 1800 118 5700

DATUM USED:

REFERENCE: Gibson-1968a

LOCALITY NAME: Colin Range-North

NTS MAPSHEET: 83C13W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		0.00		NPP							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 91

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Wildhay River
 NTS MAPSHEET: 83E08W

LATITUDE/LONGITUDE-PRESENT: 53 2825 118 1625
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2100 118 3000
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	WINNIFRED	4.80	DOL	SI-CAL-R-NPP							
WHITE	STARLIGHT	48.00	LS	SII-DOI-RS							
WHITE	SEMP	2.00	SS	PT-FI-R							
SULFM	LLAMA	19.20	SLTST	PT-D-RS			GRAB		1.86	140	7.9
SULFM	WHISTLER	16.80	DOL	SII-REC							
SULFM	VEGA	48.00	SLTST	D-RS							
SULFM	PHROSO	108.00	SLTST	REC							
RUNDLE		1.00	DOL	R							

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Muddywater River
 NTS MAPSHEET: 83E14W

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 96

LATITUDE/LONGITUDE-PRESENT: 53 4750 119 2900
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2000 120 300
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	10.00	SLTST	TH-REC-D							
SULFM	PHROSO SH	15.00	SLTST	SHI-REC							
RUNDLE		1.00	?				GRAB		0.20	120	11.0

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 98

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Llama Mountain
 NTS MAPSHEET: 83E14W

LATITUDE/LONGITUDE-PRESENT: 53 4900 119 2900
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2000 120 600
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATO	16.00	SH	IRI-PL-FS-BE	5YR2/2		CHIP	55	0.11	30	2.0
WHITE	WINNIFRED	8.00	LS	D-SLD-VI-BCLG-CH	N3		GRAB	47	0.45	50	3.2
WHITE	WINNIFRED	1.00	SLTST	D-REC-Z-VI			GRAB	45			
WHITE	WINNIFRED	1.00	DOL		5Y8/4						

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 99

REFERENCE: Gibson-1967
 LOCALITY NAME: Llama Mountain
 NTS MAPSHEET: 83E14W

LATITUDE/LONGITUDE-PRESENT: 53 4900 119 2900
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2000 120 600
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE		2.00	DOL	PT-D-SI-RS							
WHITE	WINNIFRED	9.60	SLTST	D-CGL-RS							
WHITE		16.80	DOL	PT-CH-SII-RS							
WHITE	WINNIFRED	40.80	DOL	SI-CH-RS							
WHITE	STARLIGHT	36.00	LS	R							
WHITE	STARLIGHT	196.80	DOL	LSI-SII-BR-RS							
SULFM	LLAMA	60.00	SLTST	D-RS							
SULFM		14.40	SLTST	PT-D-RS							
SULFM	LLAMA	36.40	SLTST	Z-D-RS							
SULFM	LLAMA	2.00	SS	TH-E-BM-FG-REC			CHIP		0.61	55	3.2
SULFM	UWMP	0.10	CGL	PT-REC			GRAB		0.28	100	2.6
SULFM	WHISTLER	14.40	SLTST	TH-MB-Z-REC			GRAB		0.25	120	5.0
SULFM	LWMP	0.02	CGL	PT-REC			GRAB		1.24	20	6.7
SULFM	VEGA	139.20	SLTST	D-RS							
SULFM	PHROSO	80.00	SLTST	D-REC							
SULFM	PHROSO SH	7.00	SLTST	E-D-P-REC							
PERM-U		1.00	SS								

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 107

LATITUDE/LONGITUDE-PRESENT: 53 3250 118 2400
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2200 118 4400
 DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Zebra Mountain
 NTS MAPSHEET: 83E9W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSD	10.00	SLTST	VTH-REC	10YR6/2		GRAB	40	0.36	790	3.4
COND-P		0.15	CGL	PB-CH-D-WC-WCO	10YR8/6		GRAB	100	13.10	170	19.5
RUNDLE		1.00	DOL	MB-R	N8			46			

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 109

LATITUDE/LONGITUDE-PRESENT: 53 3050 118 2000
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1900 118 4000
 DATUM USED: -SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Shrew Creek
 NTS MAPSHEET: 83E9W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	10.00	SLTST	VTH-REC	10YR6/2		GRAB	80	0.50	70	4.1
COND-P		0.00									
RUNDLE		1.00	DOL	MB-R	N7	5Y6/1		90			

SPRAY RIVER GROUP SECTIONS

STRATIGRAPHIC SECTION: 129

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Morro Peak
 NTS MAPSHEET: 83E1E

LATITUDE/LONGITUDE-PRESENT: 53 275 118 400
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 3200 118 4700
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	VEGA	39.00	SLTST	VTH-MB-FI-REC		N1	GRAB	135	0.57	60	5.6
SULFM	PHROSO	36.00	SLTST	VTH-TH-REC		N1		175			
SULFM	PHROSO	43.50	SLTST	PL-VTH-REC	10YR4/2		GRAB	125	0.27	40	2.1
SULFM	PHROSO	4.50	SS	SII-SHI-FG-VTH	10YR4/2			110			
SULFM	PHROSO	3.00	COVRD	J							
PERM-U		1.00	QZT	R							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 138

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Daybreak Peak
 NTS MAPSHEET: 83E7E

LATITUDE/LONGITUDE-PRESENT: 53 2725 118 2800
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 119 400
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	45.00	SLTST	VTH-TH-REC	10YR6/2		GRAB	120	0.57	30	1.8
SULFM	PHROSO	12.00	SLTST	VTH-REC	10YR6/2		CHIP	110	0.27	60	2.8
MOWIT	MUP	0.20	CGL	PB-WCO-RS			CHIP	210	12.70	170	22.4

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 147

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Vega Peak
 NTS MAPSHEET: 83E7E

LATITUDE/LONGITUDE-PRESENT: 53 2550 118 4400
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5400 119 2800
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	WINNIFRED	52.80	LS	SII-RS							
WHITE	WNMP	16.80	DOL	PT-DOI-SI-RS							
WHITE	WINNIFRED	67.20	DOL	LSI-RS							
WHITE	WNMP	2.00	LS	PT-SI-CH							
WHITE	STARLIGHT	213.60	LS	DOI-REC							
SULFM	LLAMA	45.60	SLTST	D-RS							
SULFM		2.40	SLTST	PT-D-RS							
SULFM	LLAMA	16.80	SLTST	D-RS							
SULFM		4.00	SLTST	PT-D-RS							
SULFM	LLAMA	24.00	SLTST	D-RS	5Y6/1						
SULFM	WMP	3.00	SLTST	F-P-REC	N4		GRAB		0.32	840	8.4
SULFM	WHISTLER	16.00	COVRD								
SULFM	VEGA	91.20	SLTST	D-RS							
SULFM	PHROSO	122.40	SLTST	D-REC							
SULFM	PMIC	2.00	SLTST	PT-D-Z-REC							
SULFM	PHROSO	5.00	SLTST	D-REC							
PERM-U		1.00	SS	R							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 161

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: North Tributary-Wildhay River
 NTS MAPSHEET: 83E8E

LATITUDE/LONGITUDE-PRESENT: 53 2600 118 400
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1900 118 1500
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	SEMP	0.06	PHOS	PQ-QZC-RS							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 147

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Vega Peak
 NTS MAPSHEET: 83E7E

LATITUDE/LONGITUDE-PRESENT: 53 2550 118 4400
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5400 119 2800
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	WINNIFRED	52.80	LS	SII-RS							
WHITE	WNMP	16.80	DOL	PT-DOI-SI-RS							
WHITE	WINNIFRED	67.20	DOL	LSI-RS							
WHITE	WNMP	2.00	LS	PT-SI-CH							
WHITE	STARLIGHT	213.60	LS	DOI-REC							
SULFM	LLAMA	45.60	SLTST	D-RS							
SULFM		2.40	SLTST	PT-D-RS							
SULFM	LLAMA	16.80	SLTST	D-RS							
SULFM		4.00	SLTST	PT-D-RS							
SULFM	LLAMA	24.00	SLTST	D-RS	5Y6/1						
SULFM	WMP	3.00	SLTST	F-P-REC	N4		GRAB				
SULFM	WHISTLER	16.00	COVRD					0.32		840	8.4
SULFM	VEGA	91.20	SLTST	D-RS							
SULFM	PHROSO	122.40	SLTST	D-REC							
SULFM	PMIC	2.00	SLTST	PT-D-Z-REC							
SULFM	PHROSO	5.00	SLTST	D-REC							
PERM-U		1.00	SS	R							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 161

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: North Tributary-Wildhay River
 NTS MAPSHEET: 83E8E

LATITUDE/LONGITUDE-PRESENT: 53 2600 118 400
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1900 118 1500
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	SEMP	0.06	PHOS	PQ-QZC-RS							

SPRAY RIVER GROUP SECTIONS

STRATIGRAPHIC SECTION: 162

REFERENCE: Hudson Bay Oil and Gas-1966

LOCALITY NAME: Collie Creek-Headwaters

NTS MAPSHEET: 83E9E

LATITUDE/LONGITUDE-PRESENT: 53 3250 118 1500

LATITUDE/LONGITUDE-PALINSPASTIC: 53 3000 118 1900

DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	SEMP	0.08	PHOS	PQ-QZC-RS							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 163

REFERENCE: Hudson Bay 011 and Gas-1966
 LOCALITY NAME: Planet Creek
 NTS MAPSHEET: 83E10E
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

LATITUDE/LONGITUDE-PRESENT: 53 3650 118 3250
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2300 118 4900
 DATUM USED: +RYMT

FORMATION STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	1.00	?								
WHITE	9.14	?								
WHITE	0.05	SS	PQ-RS							

SPRAY RIVER GROUP SECTIONS
STRATIGRAPHIC SECTION: 164

REFERENCE: Gibson-1967
LOCALITY NAME: Monoghan Creek
NTS MAPSHEET: 83E11E

LATITUDE/LONGITUDE-PRESENT: 53 3250 119 50
LATITUDE/LONGITUDE-PALINSPASTIC: 52 5900 119 4800
DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	WINNIFRED	7.20	DOL	SI-R							
WHITE	WNMP	2.40	DOL	PT-SI-R							
WHITE	WINNIFRED	108.00	DOL	CAL-CH-BR-R							
WHITE	WNMP	62.40	DOL	PT-CH-Z-CAL-R							
WHITE	WINNIFRED	38.40	LS	DOI-AR-CAL-BR-R							
WHITE	STARLIGHT	268.80	LS	BR-D-FI-R							
WHITE	SEMP	2.40	DOL	PT-SI-R							
WHITE	STARLIGHT	16.80	DOL	SI-R							
SULFM	LLAMA	2.40	SLTST	D-RS							
SULFM		1.00	SLTST	PT-RS							
SULFM	LLAMA	43.20	SLTST	Z-D-RS							
SULFM		14.40	SLTST	PT-Z-D-RS							
SULFM	LLAMA	24.00	SLTST	D-Z-RS							
SULFM		36.00	SLTST	PT-D-Z-RS							
SULFM	LLAMA	26.40	SLTST	D-Z-RS							
SULFM	WHISTLER	12.00	COVRD								
SULFM	WHISTLER	14.00	DOL	SII-Z-REC							
SULFM	LWMP	0.30	CGL	PT-PB-B-P-REC							
SULFM	VEGA	76.90	SLTST	D-RS							
SULFM	PHROSD	110.40	SLTST	RS-D							
PERM-U		1.00	SS	CH-R							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 165

REFERENCE: Gibson-1967
 LOCALITY NAME: Sulphur River
 NTS MAPSHEET: 83E10W

LATITUDE/LONGITUDE-PRESENT: 53 3550 118 5600
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 400 119 3600
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	WINNIFRED	50.40	DOL	SI-R							
WHITE	WNMP	7.20	DOL	PP-SI-R							
WHITE	WINNIFRED	9.60	DOL	SI-CH-R							
WHITE	WNMP	2.40	DOL	PP-SI-R							
WHITE	WINNIFRED	21.60	DOL	SI-R							
WHITE	WNMP	2.00	LS	PP-SI-R							
WHITE	WINNIFRED	40.80	LS	SI-BR-CH-RS							
WHITE	STARLIGHT	204.00	LS	BR-SI-RS							
SULFM	LLAMA	33.60	SLTST	D-REC							
SULFM		1.00	DOL	PP-SI-REC							
SULFM	LLAMA	69.60	SLTST	D-RS							
SULFM	WHISTLER	21.60	SLTST	D-REC							
SULFM	VEGA	88.80	SLTST	D-RS							
SULFM	PHROSO	108.00	SLTST	D-REC							
PERM-U		1.00		?							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 166

REFERENCE: Gibson-1967

LOCALITY NAME: Sulphur River-Headwaters

NTS MAPSHEET: 83E7W

LATITUDE/LONGITUDE-PRESENT: 53 2675 118 4600

LATITUDE/LONGITUDE-PALINSPASTIC: 52 5800 119 2800

DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	WINNIFRED	45.60	DOL	SI-CAL-RS							
WHITE	WNMP	1.00	LS	PP-CH-RS							
WHITE	WINNIFRED	14.40	DOL	SI-SHI-RS							
WHITE	WNMP	2.00	DOL	PP-SI-FI-RS							
WHITE	WINNIFRED	42.20	LS	DOI-SI-CH-RS							
WHITE	SINEM	213.60	LS	BR-SI-RS							
WHITE	SEMP	2.00	DOL	PP-SI-RS							
WHITE	STARLIGHT	2.00	COVRD								
SULFM	LLAMA	55.20	SLTST	D-CH-SI-RS							
SULFM		2.00	SLTST	PP-D-RS							
SULFM	LLAMA	2.40	SLTST	D-RS							
SULFM		2.00	SLTST	PP-D-RS							
SULFM	LLAMA	12.00	SLTST	D-Z-RS							
SULFM		2.00	SLTST	PP-D-RS							
SULFM	LLAMA	1.00	SLTST	D-RS							
SULFM	WHISTLER	17.80	DOL	SI-Z-REC							
SULFM	LWMP	0.30	CGL	PP-J-REC							
SULFM	VEGA	105.60	SLTST	D-RS							
SULFM	PHROSO	52.80	SLTST	D-REC							
SULFM	PMIC	1.00	SLTST	PP-D-REC							
SULFM	PHROSO	55.20	SLTST	D-REC							
PERM-U		12.00	COVRD								
PERM-U		1.00	SS								

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 167

REFERENCE: Gibson-1967
 LOCALITY NAME: Rocky Pass
 NTS MAPSHEET: 83E10W

LATITUDE/LONGITUDE-PRESENT: 53 3925 118 5900
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1000 119 3000
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	WINNIFRED	28.80	DOL	LSI-SI-CH-R							
WHITE	STARLIGHT	172.80	DOL	LSI-BR-SII-RS							
SULFM	LLAMA	9.60	DOL	SI							
SULFM		9.60	SLTST	PT-D-RS							
SULFM	LLAMA	12.00	SLTST	D-RS							
SULFM		1.00	SLTST	PT-D-Z-RS							
SULFM	LLAMA	21.60	SLTST	D-RS							
SULFM	WHISTLER	13.20	DOL	SII-D-REC							
SULFM	VEGA	45.60	SLTST	D-Z-RS							
SULFM	VMP	2.00	SLTST	PT-D-Z-RS							
SULFM	VEGA	33.60	SLTST	D-RS							
SULFM	PHROSO	45.60	SLTST	D-Z-RS							
SULFM	VMP	2.00	SLTST	PT-D-Z-REC							
SULFM	PHROSO	3.00		D-Z-REC							
SULFM	BPMP	2.00	SLTST	PT-D-Z-REC							
PERM-U		1.00	SLTST	CAL-D-CH-R							

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SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 170

REFERENCE: Gibson-1967

LOCALITY NAME: South Berland River-Headwaters

NTS MAPSHEET: 83E10E

LATITUDE/LONGITUDE-PRESENT: 53 3100 118 4300

LATITUDE/LONGITUDE-PALINSPASTIC: 53 200 119 1200

DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	WINNIFRED	31.20	DOL								
WHITE	STARLIGHT	184.80	LS								
SULFM	LLAMA	26.40	SLTST								
SULFM		2.40	SLTST	PP-D-REC							
SULFM	LLAMA	9.60	SLTST								
SULFM	WHISTLER	16.80	DOL	SI-REC							
SULFM	VEGA	3.00	SLTST								
SULFM	VMP	2.40	SLTST	PP-D-REC							
SULFM	VEGA	40.80	SLTST								
SULFM	VMP	2.40	SLTST	PP-D-REC							
SULFM	VEGA	9.60	SLTST								
SULFM	PHROSO	115.20	SLTST								
SULFM	BPMP	1.00	SLTST	PP-RS							
PERM-U		1.00	SLTST								

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 172

REFERENCE: Gibson-1967

LOCALITY NAME: Hardscramble Creek

NTS MAPSHEET: 83E11E

LATITUDE/LONGITUDE-PRESENT: 53 3500 119 800

LATITUDE/LONGITUDE-PALINSPASTIC: 52 5800 119 5200

DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	WNMP	16.80	DOL	PT-SI-CH-R							
WHITE	WINNIFRED	50.40	DOL	LSI							
WHITE	WNMP	2.40	SLTST	PT-Z							
WHITE	STARLIGHT	230.40	LS								
SULFM	LLAMA	40.80	SLTST								
SULFM		12.00	SLTST	PP-D							
SULFM	LLAMA	4.80	SLTST								
SULFM		14.40	SLTST	PP-D							
SULFM	WHISTLER	24.00	DOL								
SULFM	LWMP	2.40	SLTST	PP-D							
SULFM	VEGA	33.60	SLTST								
SULFM	VMP	3.00	SLTST	PP-D							
SULFM	VEGA	19.20	SLTST								
SULFM	VMP	3.00	SLTST	PP-D							
SULFM	VEGA	31.20	SLTST								
SULFM	VMP	4.80	SLTST	PP-D							
SULFM	VEGA	2.00	SLTST								
SULFM	PHROSO	55.20	SLTST								
SULFM	PMIC	7.20	SLTST	PP-FI-D							
SULFM	PHROSO	12.00	SLTST								
SULFM	PMIC	6.00	SLTST	PP-D							
SULFM	PHROSO	12.00	SLTST								
PERM-U		1.00									

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 106

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Minny Ridge
 NTS MAPSHEET: 83E9W

LATITUDE/LONGITUDE-PRESENT: 53 3400 118 2900
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2200 118 4600
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PASSAGE BE	20.00	SH	SSI	N4						
FERNIE	RX. CK LATO	30.00	SH	IRIY-FS	N4						
FERNIE	PAPER SH	0.50	MDST	R	5Y6/1		GRAB	130	0.18	170	3.3
FERNIE	PAPER SH	1.50	SH	LSI-SI-REC	N1		CHIP	250	0.41	960	23.5
FERNIE	PAPER SH	2.50	SLTST	Z-SI-SHI-R-PL	N4		CHIP	160	0.23	120	11.1
FERNIE	SINEM	0.05	CHT	Z-SI-SHI-R-PL	N4		CHIP	160	0.23	120	11.1
FERNIE	SINEM	2.45	SLTST	Z-SI-SHI-R-PL	N4		CHIP	160	0.23	120	11.1
FERNIE	SINEM	3.50	SH	CAL-SII-SSI-FG	N1		CHIP	340	0.25	620	19.0
WHITE	WINNIFRED	4.00	MDST	QZC-MB	N6			90			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 104

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Adams Lookout
 NTS MAPSHEET: 83E10E

LATITUDE/LONGITUDE-PRESENT: 53 4350 118 3500
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 4000 118 3900
 DATUM USED: +WHD

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	15.00	SH	LSIY-REC-FS				110			
FERNIE	PAPER SH	3.00	LS	SI-R-PL-TH	5Y7/2			180			
FERNIE	PAPER SH	3.00	SH	R-LSI-Z-TH-PL	N3		CHIP	190	0.46	750	19.0
FERNIE	SINM/PLIEN	0.50	SH	PT-LSI-FF	N3		CHIP	430	0.37	780	30.8
FERNIE	SINM/PLIEN	1.50	SH	SII-REC-CAL-FS	N3		CHIP	360	0.36	1170	27.5
FERNIE	SINM/PLIEN	3.00	SH	SII-REC-CAL-FS	N3		CHIP	240	0.25	70	23.8
FERNIE	SINM/PLIEN	4.00	SH	SHI-SI-REC-FS-PX	N3		CHIP	185	0.43	620	15.5
WHITE	WINNIFRED	2.00	QZT	TKB	N7			100			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 103

LATITUDE/LONGITUDE-PRESENT: 53 4500 119 3200
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 800 120 1400
 DATUM USED: +WHHO

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Muddywater River Ridge
 NTS MAPSHEET: 83E13E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	4.50	LS	SHI-PL-MB-F-REC	5Y6/1	N4	CHIP	150	0.46	130	11.5
FERNIE	PAPER SH	4.50	LS	SHI-PL-MB-REC	5Y6/1	N4	CHIP	150	0.27	270	9.0
FERNIE	BFP CGL	0.15	SS	PC-PN-PE-MG-REC	N4		GRAB	293	14.10	100	36.3
WHITE		3.00	LS	MB-TKB-D-AR-R	5Y7/2	N4		85			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 101

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Cote Creek-Headwaters
 NTS MAPSHEET: 83E13W

LATITUDE/LONGITUDE-PRESENT: 53 5625 119 5975
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 3100 120 3000
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	4.00	SH	FS-PL-PX-REC	5Y2/1			180	0.66	290	6.9
FERNIE	PAPER SH	0.70	LS	MB-A-RS	5Y7/2			180			
FERNIE	PAPER SH	5.00	SH	LSIY-FS-TH-PX			CHIP	210	0.94	160	10.4
FERNIE	NORDG	3.00	LS	SHI-FS-TH-CHIY	5Y2/1	5Y2/1	CHIP	185	0.78	160	11.0
FERNIE		0.50	CHT	PT-SHIY-HAK-R	N1		CHIP	320	2.30	200	10.5
FERNIE		0.30	SS	PT-MG-CAL-R	5Y6/1		CHIP	320	2.30	200	10.5
FERNIE		0.50	LS	PI-SHI-FS-MB-R	5Y6/1		CHIP	320	2.30	200	10.5
WHITE		1.00	LS	A-D-R	N9	N4 N3		90			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 263

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Savanna Creek
 NTS MAPSHEET: 82J1W
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

LATITUDE/LONGITUDE-PRESENT: 50 900 114 2950
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 100 115 2200
 DATUM USED: +RYMT

FORMATION STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
KOOT	1.00	SS	TKB-R							
FERNIE	6.80	SS	SHI-PL-MB-REC	10YR8/6		GRAB	90	0.23	70	2.1
FERNIE	7.50	SH	SSI-FS-MB-REC	N3		GRAB	120	0.25	60	2.6
FERNIE	7.50	SH	SSI-FS-MB-XB-REC	N3		GRAB	110	0.24	70	2.5
FERNIE	7.50	SH	SSI-FS-MB-REC	N3		GRAB	120	0.20	60	2.3
FERNIE	5.00	SH	SSI-FS-MB-REC	N3			132			
FERNIE	4.50	SH	N-FS-PL-REC	N3		CHIP	143	0.28	130	3.1
FERNIE	9.00	SH	FS-VTH-N-P-SSIV	N5		GRAB	135	0.27	110	2.5
FERNIE	20.00	COVRD								
FERNIE	0.50	MDST	SHI-PL-TH-REC	5G8/1						
FERNIE	4.00	COVRD								
FERNIE	4.00	SH	FS-PX-BE-REC	N4		GRAB	107	0.19	120	5.6
FERNIE	4.50	SH	SII-PL-TH-P-BE	N3		GRAB	165	0.23	100	8.6
FERNIE	0.50	MDST	R	5Y8/4						
FERNIE	4.50	SH	SII-PL-TH-MSV	5Y8/4		GRAB	130	0.24	100	5.7
FERNIE	4.00	SH	PL-VTH-WI-MSV	5Y8/4		GRAB	96	0.35	90	5.6
FERNIE	6.00	SS	FG-VTH-RS	10YR4/2		GRAB	105	0.28	80	2.2
FERNIE	2.00	SH	FS-REC-PX	N4						
FERNIE	20.00	COVRD	J							
FERNIE	2.00	SLTST	SHI-CL-REC-PL	N3		CHIP	440	0.41	330	14.4
FERNIE	0.50	COVRD								
KANASK	0.40	CHT	R	5PB3/2						

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 93

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Rock Lake
 NTS MAPSHEET: 83E8W

LATITUDE/LONGITUDE-PRESENT: 53 2850 118 1675
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2100 118 3000
 DATUM USED: +WHD

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		0.00	COVRD								
FERNIE	RX.CK SST	0.50	SS	FG-HZB-P-BE	10YR6/6	N4	CHIP				
FERNIE	RX.CK SST	0.80	SS	SHI-TH-PL-P	10YR6/6	N4	CHIP				
FERNIE	RX.CK SST	0.90	SS	P-BE-TH-FG	10YR6/6	N4	CHIP				
FERNIE	RX.CK SST	1.20	SH	SI-SSI-P-PL-FS	N4	N3	CHIP				
FERNIE	RX.CK SST	1.90	SS	FG-MB	10YR6/6	N5	CHIP				
FERNIE	RX.CK LATO	4.50	SH	PT-SSIIY-PL-FS-P	5R3/4		CHIP				
FERNIE		40.00	COVRD						1.86	140	
FERNIE	PAPER SH	4.42	SH	VTH-SSIIY-CAL-REC							
FERNIE	PAPER SH	1.07	LS	SHI-SI-REC							
FERNIE	PAPER SH	1.52	SH	CAL-REC							
FERNIE	PAPER SH	0.61	LS	SI-CAL							
FERNIE	PAPER SH	0.92	SH	CAL-BE-REC							
FERNIE	SINM BENT	0.10	BENT	REC							
FERNIE	SINM/PLIEN	0.15	SS	V-GL-RS							
FERNIE	SINM/PLIEN	1.00	LS	SHI-FI-REC-P	N1	N1	GRAB				
FERNIE	PAPER SH	1.52	SH	CAL-REC							
FERNIE	PAPER SH	0.91	LS	SHI-CAL		10R3/4					
FERNIE	SINM/PLIEN	3.00	SH	LSI-CAL-TH-REC							
FERNIE	BFP CGL	0.15	CGL	CH							
WHITE	WINNIFRED	1.20	SLTST	D-P							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 73

LATITUDE/LONGITUDE-PRESENT: 52 2650 116 1975
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 900 116 5000
 DATUM USED: +SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Bighorn Range-Southend
 NTS MAPSHEET: 83C8W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	3.00	SH	FS-NC-REC	N3	N3	CHIP	155	0.24	130	6.5
FERNIE	NORDG	8.00	CHT	MB-HAK-NC-R	5PB3/2			70			
SULFM		2.00	SLTST	VTH-REC	1OYR6/2			75			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 69

LATITUDE/LONGITUDE-PRESENT: 52 3775 117 50
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1400 117 4000
 DATUM USED: +WHHO

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Southesk River-East
 NTS MAPSHEET: 83C11E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	20.00	SH	LSI-VTH-FS-PX	N4		CHIP	145	0.53	200	5.2
FERNIE	NORDG	7.00	CHT	MB-HAK-SF-R	5PB3/2		GRAB	98	0.90	20	1.7
FERNIE	NMLSP	3.00	SH	PX-FS-REC	N4		CHIP	120	0.50	190	3.6
WHITE		3.00	DOL	MCRX-MB-TKB-R	5Y7/2	N3		85			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 65

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Southesk Cairn
 NTS MAPSHEET: 83C11E

LATITUDE/LONGITUDE-PRESENT: 52 4375 117 1000
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1800 117 4800
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX. CK LATO	4.00	SH	CAL-SI-LSI-TH-BM	10R4/6		CHIP	160	0.46	270	7.7
FERNIE	PAPER SH	2.00	COVRD	REC							
FERNIE	PAPER SH	0.50	SS	FG-NC-MB-R	5Y6/1			110			
FERNIE	PAPER SH	2.00	COVRD	REC							
FERNIE	PAPER SH	5.00	LS	Z-SHI-PL-TH-BM	N3		CHIP	180	0.68	600	11.7
FERNIE	PAPER SH	3.00	LS	Z-SHI-FI-VTH-PL	N3		CHIP	112	0.46	200	8.7
FERNIE	PAPER SH	5.00	LS	Z-SHI-PL-VTH-REC	N3		CHIP	145	0.46	430	9.5
FERNIE	PAPER SH	10.00	COVRD	REC							
FERNIE	NORDG	2.00	SS	CH-MB-INF-R	N4		GRAB	102	0.55	60	1.3
FERNIE	NORDG	3.00	COVRD	REC							
FERNIE	NORDG	2.50	CHT	J-MB-INF-R	N3		GRAB	60	0.86	60	2.4
FERNIE	GRAIN FL	1.00	SS	V-PL-TH-SPR-TC	N3		CHIP	120	0.47	140	5.2
FERNIE	NMLSP	1.50	COVRD	REC							
WHITE		1.00	DOL	MB-TKB-A-R	N9	5PB3/2					

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 63

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Alpland Creek-Headwaters
 NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 4700 117 2800
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1200 118 1900
 DATUM USED: +WJHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	SINEM	1.00	SLTST	PT-TH-REC	N3		GRAB	250	5.20	240	7.8
FERNIE	GRAIN FL	1.00	SS	FG-MG-GL-CP-BE	5BG3/2		GRAB	250	0.35	100	1.9
FERNIE	SINEM	3.00	SH	PX-VTH-BM-REC	N3						
FERNIE		0.20	SS	PC-BM-FG-HEM-REC	N3		GRAB	150	1.30	50	5.2
WHITE		1.00	COVRD	J							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 58

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Medicine Tent River
 NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 5000 117 2200
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 2500 117 5900
 DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	NORDG	3.00	CHT	MB-TKB-NC-R	5PB3/2		GRAB	45	0.68	30	1.2
FERNIE	NORDG	4.50	CHT	SHI-TH-FS-REC-R	5PB3/2		CHIP	85	0.42	90	3.9
WHITE	WINNIFRED	5.00	DOL	MB-TKB-R	5Y7/2	N4					

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 56

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Deception Mountain-Rocky River
 NTS MAPSHEET: 83C13E

LATITUDE/LONGITUDE-PRESENT: 52 5366 117 2933
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 3000 118 1000
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	5.00	SH	FS-VTH-BM-E-LSI	N4		CHIP	165			14.1
FERNIE	NORDG	1.00	SS	CH-R	5Y4/1			70			
FERNIE	NORDG	4.00	CHT	HAK-R	N3		GRAB	70	0.36	10	1.0
FERNIE	NMLSP	5.00	SH	SII-Y-REC-FI	N4		CHIP	115	0.66	160	7.0
WHITE	WINNIFRED	1.00	MDST	J-HZB-RS		5Y4/1					

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 47

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: North Ram River
 NTS MAPSHEET: 83C1E
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

LATITUDE/LONGITUDE-PRESENT: 52 1000 116 1050
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 4800 116 5600
 DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	SINEM	0.50	SS	FG-VTH-PL-REC	10YR2/2		GRAB	110	0.16	40	1.6
WHITE		1.00	DOL	FX-R	10YR7/4	N7					

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 44

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Elliot Peak South
 NTS MAPSHEET: 83C1W

LATITUDE/LONGITUDE-PRESENT: 52 675 116 2850
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3300 117 3000
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		15.00	SH	PT-TH-REC-LSI-FS	N3		CHIP	240	1.20	640	12.3
FERNIE	SINEM	5.00	SH	PP-F-FS-REC-PX	N1	N1	CHIP	320	4.90	540	18.9
WHITE	WINNIFRED	1.00	SLTST	MB-D-R							

FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 42

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Whiterabbit Creek-North Ridge
NTS MAPSHEET: 83C1W

LATITUDE/LONGITUDE-PRESENT: 52 600 116 1875
LATITUDE/LONGITUDE-PALINSPASTIC: 51 3900 117 1400
DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	FRCLP	6.00	SH	FS-BR-REC	10R4/6		GRAB	190	2.90	260	15.7
FERNIE	PAPER SH	4.50	SH	FS-LSI-REC	N3		CHIP	200	0.73	290	10.4
FERNIE	PAPER SH	9.00	SH	FS-CAL-LSI-REC	N3		CHIP	130	0.16	80	4.9
FERNIE	NORDG	0.10	CHT	RS		N3		150			
FERNIE	NORDG	2.90	SS	PL-SHI-RS		N3	GRAB	150	0.37	50	5.0
FERNIE	NMLSP	1.50	SH	PX-FS-REC			CHIP	250	0.64	290	9.3
FERNIE	BFP PELL	0.80	PHOS	P00-PQ-CAL-RS-MB		N3	CHIP	350	9.30	140	55.8
FERNIE	SINEM	1.70	SH	FS-REC		N3	CHIP	260	0.55	360	10.7
FERNIE	SINEM	2.25	SH	PI-REC-FS-PX		N3	CHIP	260	2.70	180	15.2
FERNIE	SINEM	0.40	SS	FG-SPR-MB-TC-RS		N3	CHIP	240	0.64	30	6.0
FERNIE		1.30	SH	PI-FS-REC	N3		CHIP	210	1.40	130	9.4
FERNIE		0.20	CGL	PC-R-SPR			GRAB	115	2.30	40	12.7
WHITE		1.00			5Y6/1	N4					

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 36

LATITUDE/LONGITUDE-PRESENT: 52 1975 116 3900
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 5200 117 3100
 DATUM USED: +WVHO

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Bighorn River-Headwaters
 NTS MAPSHEET: 83C7E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	SINM/PLIEN	2.00	SH	CHI-PX-PL-FS-SI	5Y2/1	5Y2/1	GRAB		0.55	120	5.5
WHITE		1.00	DOL	R							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 29

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Red Cap Mountain
 NTS MAPSHEET: 83C14E
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

LATITUDE/LONGITUDE-PRESENT: 52 5625 117 475
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 3700 117 3700
 DATUM USED: +SULM

FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY UNIT	STRATIGRAPHIC THICKNESS	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE SULFM	30.00 1.00	PN-Y SLTST							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 28

REFERENCE: Frebold-1957
 LOCALITY NAME: Chungo Creek Gap
 NTS MAPSHEET: 83C10E

LATITUDE/LONGITUDE-PRESENT: 52 3975 116 4100
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 2300 117 1100
 DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
NIKAN		1.00									
FERNIE	PASSAGE BE	22.50	SS	SHI-FG-MG-RS							
FERNIE	PASSAGE BE	7.50	SLTST	V-FL-XB-REC							
FERNIE	GREEN BEDS	1.50	SH	MSC							
FERNIE		2.00	COVRD	J							
FERNIE	GREY BEDS	36.50	SH	SIIY-BE-REC							
FERNIE	RX.CK LATO	6.30	SH	FS-BE-REC							
FERNIE	RX.CK BENT	0.03	BENT	REC							
FERNIE	RX.CK LATO	1.95	SH	FS-REC							
FERNIE	RX.CK LATO	0.15	LS	CRX-RS							
FERNIE	RX.CK LATO	0.15	SH	WI-BE-RS							
FERNIE	RX.CK LATO	0.45	CGL	BE-R							
FERNIE	RX.CK LATO	2.10	SH	FS-REC							
FERNIE	RX.CK SST	4.80	SS	M-FG-SIL-R							
FERNIE	RX.CK SST	0.60	SS	Z-TH-R							
FERNIE	RX.CK SST	0.60	SS	R							
FERNIE	PAPER SH	22.50	SH	FS-FI-BE-R-REC							
FERNIE	NORDG	3.90	LS	PN-PT-FX-CHI-R							
FERNIE	NORDG	2.10	COVRD	J							
WHITE		1.00	COVRD	J							

FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 26

LATITUDE/LONGITUDE-PRESENT: 52 3525 116 3525
LATITUDE/LONGITUDE-PALINSPASTIC: 52 1800 117 700
DATUM USED: +SULM

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Black Stone River-North
NTS MAPSHEET: 83C10E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PASSAGE BE	30.00	SH	SSI-RS	10YR6/6						
FERNIE	PASSAGE BE	6.00	SH	SSI-IRI-REC	10YR6/2		CHIP	125			
FERNIE	PASSAGE BE	12.00	SH	SSI-Y-FS-SI-FAU	10YR6/6		CHIP	120	0.25	110	2.7
FERNIE	PASSAGE BE	5.00	SH	PX-N-REC	N3		NOD	150	0.38	40	1.3
FERNIE	PASSAGE BE	10.00	COVRD	REC							
FERNIE	GREEN BEDS	10.00	SH	FS-PX-REC	N4		CHIP	125	0.24	200	3.9
FERNIE	GREEN BEDS	10.00	SH	FS-IRI-Y-REC	N4		CHIP	145	0.25	190	3.6
FERNIE	GREEN BEDS	10.00	SH	FS-CON-IRI-Y-REC	5Y6/1		CHIP	130	0.19	50	3.1
FERNIE	RX.CK SST	6.00	SH	FS-IRI-Y-REC	N3		CHIP	111	0.22	110	4.1
FERNIE	RX.CK SST	1.00	SH	FS-IRI-Y-REC		N3	CHIP	130	0.15	210	6.7
FERNIE	RX.CK SST	1.00	SS	FG-BE-R	N5	5Y8/1	CHIP	130	0.15	210	6.7
FERNIE	RX.CK SST	2.00	SLTST	FG-RS-TH-VTH-BE	N4		CHIP	130	0.15	210	6.7
FERNIE	RX.CK SST	6.00	COVRD	REC							
FERNIE	RX.CK SST	3.00	SLTST	SHI-VTH-FS-BE	N3		CHIP	130	0.21	130	7.1
FERNIE	FRCUP	0.20	SS	PN-FG-MG-BE-R	10YR6/6		GRAB	140	0.70	80	2.3
FERNIE	RX.CK SST	3.80	SS	FG-MG-BE-R	10YR6/6		CHIP		0.54	40	2.0
FERNIE	RX.CK SST	9.00	SS	MB-TKB-QZC-P-R	5Y8/4			58			
FERNIE	RX.CK SST	2.00	SS	PL-TH-SHI-RS	5Y8/4						
FERNIE	PAPER SH	15.00	COVRD	SHI							
FERNIE	PAPER SH	3.00	SH	LSI-SI-VTH-PL-BE	5Y2/1		CHIP	170	0.34	240	16.8
FERNIE	PAPER SH	3.00	SH	LSI-SI-VTH-PL-BE	5Y2/1		CHIP	160	0.27	200	10.6
FERNIE	PAPER SH	3.00	SH	LSI-SI-VTH-PL-BE	5Y2/1		CHIP	140	0.45	230	17.2
FERNIE	PAPER SH	3.00	SH	LSI-Z-REC	5Y2/1		CHIP	150	0.47	250	14.2
FERNIE	PAPER SH	3.00	SH	LSI-FS-PL-PX	N4		CHIP	155	0.48	220	12.2
FERNIE	PAPER SH	4.00	COVRD	REC							
FERNIE		6.00	LS	PT-CH-VI-FX-R	5PB3/2	5PB3/2	GRAB		3.14	40	4.0
FERNIE	NORDG	6.00	LS	J							
FERNIE	SULFM	1.00		J							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 23

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Nordegg
 NTS MAPSHEET: 83C8E

LATITUDE/LONGITUDE-PRESENT: 52 2950 116 25
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 2000 116 1900
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATO	0.00	SH	BE-REC							
FERNIE	RX.CK LATO	0.96	SH	REC							
FERNIE	FOB	0.24	PHOS	PT-HEM				27.00			
FERNIE	FOB	0.03	PHOS	PT-CH				13.00			
FERNIE	FOB	0.36	SS	R							
FERNIE	NORDG	27.00	CHT	TH-R							
FERNIE	NORDG	20.00	LS	CH-MB-TKB-Z-R	N4	N3	CHIP	45	0.80	60	2.8
FERNIE	NORDG	2.00	CHT	TH-MB-SHI-Y-R	N4	N3		50			
FERNIE		0.20	CHT	PT-MB-Z-CW-R-TH	N4	N3	CHIP	150	1.02	100	7.9
FERNIE		0.02	BENT	REC			CHIP	150	1.02	100	7.9
FERNIE		0.10	CHT	PT-MB-Z-CW-R-TH	N4	N3	CHIP	150	1.02	100	7.9
FERNIE		0.02	BENT	REC			CHIP	150	1.02	100	7.9
FERNIE		1.26	CHT	PT-MB-Z-CW-R-TH	N4	N3	CHIP	150	1.02	100	7.9
FERNIE	NMLSP	0.10	SH	PI-FS-REC	N4	N1	CHIP	320	3.67	1000	59.4
FERNIE	NMLSP	0.01	BENT	REC		10YR6/6	CHIP	320	3.67	1000	59.4
FERNIE	NMLSP	0.09	SH	PI-FS-REC	N4	N1	CHIP	320	3.67	1000	59.4
FERNIE	BFP CGL	0.20	CGL	PN-CH-RS			CHIP	320	1.00	120	11.0
RUNDLE		1.00	DOL	R	5Y8/1	N7					

FERNIE	NMLSP	1.70	SH	BM-LSI-FI-PL-FX	N4	5YR2/1	GRAB	270	0.20	700	10.1
FERNIE	NMLSP	1.20	LS	WC-SHI-CAL-CRX	N4	N4	GRAB	420	0.16	600	9.8
FERNIE	NMLSP	1.80	SH	CAL-LSI-SI-PL	5YR2/1	N1	GRAB	350	0.90	440	18.6
FERNIE	NMLSP	0.50	COVRD								
FERNIE	BFP PELL	0.30	PHOS	PB-P00-BM-CW-FI	10YR4/2	N4	GRAB	660	21.00	60	56.3
FERNIE	BFP CGL	0.10	SS	PT-CGL-HZB-FI	5Y4/1	N4	GRAB	350	4.02	100	17.8
FERNIE	BFP CGL	0.10	CGL	PT-CAL-FG-TKB	5Y6/1	N4	GRAB	200	3.05	70	10.8
WHITE		1.00	SS	V-MB	5Y6/1	N5					

FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 19

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Goat Creek-Headwaters
NTS MAPSHEET: 83C2E

LATITUDE/LONGITUDE-PRESENT: 52 1325 116 3100
LATITUDE/LONGITUDE-PALINSPASTIC: 51 4400 117 2100
DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
NIKAN		1.00		J							
FERNIE	PASSAGE BE	50.00	SH	J-SSI-PX							
FERNIE	PASSAGE BE	22.00	SH	SSI-IRI-PX-FS-TH	5Y4/1		CHIP	127	0.29	120	2.6
FERNIE	PASSAGE BE	23.00	SS	SHI-XB-PL	10YR4/2		CHIP	110	0.35	140	2.9
FERNIE	PASSAGE BE	22.00	SS	SHI-REC-FS-TH	N3			115	0.32	130	3.0
FERNIE	PASSAGE BE	22.00	SH	SSI-XB-MB-R-REC	5Y2/1		CHIP	135	0.31	110	3.3
FERNIE	PASSAGE BE	22.00	SH	SSI-XB-MB-PX	5Y2/1		CHIP	120	0.29	100	3.1
FERNIE	PASSAGE BE	22.00	SS	SHI-MB-R-PL-REC	5Y4/1		CHIP	120	0.33	130	3.1
FERNIE	PASSAGE BE	18.00	?	INF-J							
FERNIE	PASSAGE BE	10.00	SS	SHI-REC-R	5Y4/1			80	0.26	80	2.3
FERNIE	PASSAGE BE	15.00	COVRD					106			
FERNIE	PASSAGE BE	22.00	SH	SSI-FS	N4		CHIP	106	0.33	140	3.2
FERNIE	PASSAGE BE	13.00	?	INF-J							
FERNIE	PASSAGE BE	59.00	COVRD								
FERNIE	PASSAGE BE	10.00	SS	SHI-REC	10YR4/2			90			
FERNIE	PASSAGE BE	0.00	COVRD								
FERNIE	RX.CK LATO	20.00	SH	SSI-SF-FAV	N4		GRAB	110	0.27	140	3.0
FERNIE	RX.CK LATO	0.00	COVRD								
FERNIE	RX.CK LATO	5.00	SH	FS	N3						
FERNIE	RX.CK LATO	5.00	COVRD								
FERNIE	RX.CK SST	12.00	SS	PL-FG-CAL-R	5Y6/1	5Y6/1	GRAB	85	0.27	110	2.5
FERNIE	RX.CK LATO	20.00	?	HC-PX							
FERNIE	PAPER SH	3.50	SH	BE-E-FI-SI-CAL	N5	N4		160			
FERNIE	PAPER SH	1.30	LS	SI-SHI-CRX-MB	5Y6/1	N3		120			
FERNIE	PAPER SH	9.00	SH	CAL-FS-PL-REC-FI	N3	N4	CHIP	110	0.27	120	6.6
FERNIE	PAPER SH	0.50	LS	CRX-MB-TKB	N4	N4	CHIP	90	0.27	120	6.6
FERNIE	PAPER SH	1.30	SH	CAL-PL	5YR2/1	N1	CHIP	180	0.27	120	6.6
FERNIE	FOB	0.90	LS	BM-SHI-CAL-FI	5Y4/1	N3	GRAB	200	0.69	470	10.1
FERNIE	NORDG	0.60	CHT	CAL-TH-VTH	N4	N4	GRAB	320	0.80	150	14.1

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 15

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Hummingbird Creek-South Fork
 NTS MAPSHEET: 83C1E

LATITUDE/LONGITUDE-PRESENT: 52 175 116 550
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3800 116 5800
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX. CK LATO	2.00	SH	FS-PL-REC	10YR6/6	N3	GRAB	96	0.22	460	9.0
FERNIE	PAPER SH	10.00	COVRD	REC				47			
WHITE	OLYMPUS	18.00	SS	FG-MG-MB-TKB-XB	5Y7/2	N7	GRAB	58	0.04	30	2.1

FERNIE	NMLSP	0.30	SH	SII-WC-VTH-YS-FS	N1	N1	CHIP	633	0.30	2800	49.8
FERNIE	NMLSP	0.30	SH	SI-N-REC-FS-REC	N1	N1	CHIP		0.72	1460	27.3
WHITE	WINNIFRED	0.10	SS	WCO-R-HEM	10R4/6	N8	CHIP		0.16	80	57.9

FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 13

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Whitehorse Creek
NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 5875 117 2275
LATITUDE/LONGITUDE-PALINSPASTIC: 52 4200 117 5400
DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PASSAGE BE	10.00	SH	SSI-TH-MB-FS-PR	5Y2/1	5Y2/1	CHIP	125	0.19	120	3.7
FERNIE	OXFORD BED	7.00	SH	FS-SLK-REC	N4	N1	CHIP	107	0.17	150	4.0
FERNIE	OXFORD BED	6.00	SH	SSI-Y-IRI-Y-REC	5Y6/1	5Y4/1	CHIP	129	0.13	100	
FERNIE		26.00	COVRD	REC							
FERNIE	FRCUP	1.00	SS	PN-FI-FG-R	5Y8/1	5Y8/1	NOD	124	2.02	60	2.6
FERNIE	RX.CK SST	6.00	SS	MB-TKB-BE-FG	5Y6/1	N4	CHIP	60	0.10	10	
FERNIE	RX.CK LATO	7.00	COVRD	REC							
FERNIE	RX.CK SST	6.00	SS	B-QZC-MB-MG-CG-R	10YR6/6	5Y7/2	CHIP		0.10	10	
FERNIE	LCBSM-SH	7.00	COVRD	REC							
FERNIE	RX.CK SST	4.00	SS	TKB-FG-QZC-R	5YR8/1	N6	CHIP	70	0.08	10	0.4
FERNIE	RX.CK SST	5.00	SS	TKB-FG-MG-R	10R7/4	10R7/4	CHIP	65	0.15	10	0.8
FERNIE	RX.CK SST	6.00	SH	SII-TK-FI-TH-FS	N3	N4	CHIP	100	0.22	30	
FERNIE	RX.CK LATO	6.00	SH	SII-Y-REC	N3	N4	CHIP	103	0.26	50	3.6
FERNIE	PAPER SH	6.00	SH	SII-Y-PL-TH-REC			CHIP	117	0.22	50	
FERNIE	PAPER SH	11.00	COVRD	REC							
FERNIE	PAPER SH	2.00	LS	SHI-REC-VTH-PX	5YR2/1	N4	GRAB	139	0.26	190	
FERNIE	PAPER SH	3.00	COVRD	J-REC							
FERNIE		3.00	LS	PT-CH-MB-TKB-MEX	N4	5PB3/2	CHIP	57	1.58		2.7
FERNIE		3.00	LS	PT-CH-AR-TKB-R	N4	5PB3/2	CHIP	63	1.08	80	1.7
FERNIE		3.00	LS	PT-CH-MB-TKB-R	N4	5PB3/2	CHIP	61	1.71	60	3.0
FERNIE		3.00	LS	PT-CH-MB-TKB-R	N4	5PB3/2	CHIP	71	2.42	60	2.8
FERNIE		2.70	LS	PT-MB-CH-VI-R	N4	5PB3/2	CHIP	68	0.89	40	3.0
FERNIE		3.00	LS	PT-TH-MB-Z-RS	N4	N3	CHIP	72	1.08	160	8.3
FERNIE		0.20	LS	PT-VTH-TH-Z	N4	N3	CHIP	140	0.52	160	15.1
FERNIE	L.SINM/BEN	0.10	BENT	REC	10YR6/6			140			
FERNIE	NMLSP	0.30	SLTST	PC-QZC-VTH-RS	N3	N4	CHIP		2.00	280	66.4
FERNIE	NMLSP	0.30	SH	PI-FS-REC	N1	N1	CHIP		1.00	660	40.5
FERNIE	NMLSP	0.30	SH	PI-FS-TH-REC	N1	N1	CHIP	653	4.17	840	156.0
FERNIE	NMLSP	0.30	SH	PI-SII-FS-VTH-E	N1	N1	CHIP		1.20	1540	61.9

FERNIE	PASSAGE BE	5.00	SH	IRC-SSI-TH	5Y2/1	N4	CHIP	130	0.11	120	3.5
FERNIE	PASSAGE BE	5.00	SH	REC-IRC-PR	5Y2/1	N4	CHIP	130	0.11	150	3.4
FERNIE	PASSAGE BE	5.00	COVRD								

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 12

REFERENCE: Alberta Geological Survey
 LOCALITY/NAME: McLeod River-South
 NTS MAPSHEET: 83C14W

LATITUDE/LONGITUDE-PRESENT: 52 5775 117 2000
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 3900 117 5100
 DATUM USED: -NIKA

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
NIKAN		1.00	SS								
FERNIE	PASSAGE BE	20.00	SS	MB	10YR6/6		GRAB	90	0.04	30	0.8
FERNIE	PASSAGE BE	5.00	SS	REC-SHI-RS	10YR6/6		CHIP	138	0.13	110	2.7
FERNIE	PASSAGE BE	5.00	SS	REC-SHI-RS	10YR4/2	5YR2/2	CHIP	100	0.11	110	2.5
FERNIE	PASSAGE BE	5.00	SS	TH-XB-TKB-SHI-RS	10YR4/2	5YR2/2	CHIP	107	0.13	110	3.3
FERNIE	PASSAGE BE	5.00	SS	TH-TKB-SHI-REC	10YR4/2	5YR2/2	CHIP	114	0.13	110	3.3
FERNIE	PASSAGE BE	5.00	SS	REC-MB-SHI-RS	10YR4/2	5YR2/2	CHIP	125	0.14	115	3.5
FERNIE	PASSAGE BE	5.00	SS	SHI-RS	10YR6/6		CHIP	97	0.14	120	3.4
FERNIE	PASSAGE BE	5.00	SS	SHI-REC-XB-MB-TK	10YR4/2	5YR2/2	CHIP	125	0.15	130	3.0
FERNIE	PASSAGE BE	5.00	SS	XB-PO-REC-RS	10YR4/2	5YR2/2	CHIP	105	0.12	90	2.8
FERNIE	PASSAGE BE	5.00	SS	TKB-PR-RS	10YR6/6		CHIP	120	0.12	100	3.1
FERNIE	PASSAGE BE	5.00	SS	MB-TKB-RS	10YR6/6		CHIP	120	0.13	100	3.7
FERNIE	PASSAGE BE	5.00	COVRD	REC							
FERNIE	PASSAGE BE	5.00	SS	MB-TKB-RS	10YR6/6		CHIP	102	0.09	60	2.5
FERNIE	PASSAGE BE	5.00	SS	MB-TKB-RS	10YR6/6		CHIP	103	0.08	70	2.6
FERNIE	PASSAGE BE	5.00	SS	MB-TKB-REC	10YR4/2	5YR2/2	CHIP	125	0.09	70	3.3
FERNIE	PASSAGE BE	5.00	SS	SHI-PL-MB	10YR4/2	5YR2/2	CHIP	105	0.11	70	3.1
FERNIE	PASSAGE BE	5.00	SS	SHI-XB-SLD-RS	10YR4/2	5YR2/2	CHIP	120	0.12	100	3.2
FERNIE	PASSAGE BE	5.00	SS	PL-VTH-REC	10YR4/2	5YR2/2	CHIP	109	0.11	100	2.6
FERNIE	PASSAGE BE	20.00	COVRD	REC							
FERNIE	PASSAGE BE	5.00	SS	SHI-VTH-REC			CHIP	110	0.12	120	2.6
FERNIE	PASSAGE BE	5.00	SS	SHI-REC			CHIP	124	0.11	110	2.7
FERNIE	PASSAGE BE	5.00	SH	SSI-VTH-REC			CHIP	119	0.12	130	3.0
FERNIE	PASSAGE BE	5.00	SH	TH-REC	N3	N4	CHIP	100	0.12	150	3.0
FERNIE	PASSAGE BE	5.00	SH	TH-VTH-M-REC	N3	N4	CHIP	143	0.12	170	3.4
FERNIE	PASSAGE BE	0.00	SH	TH	N3	N4	NOD	143	0.18	50	1.5
FERNIE	PASSAGE BE	5.00	SH	SSI	N3	N4	CHIP	125	0.13	160	3.6
FERNIE	PASSAGE BE	5.00	SH	SSI-PL-FS-REC	N3	N4	CHIP	130	0.11	150	3.6
FERNIE	PASSAGE BE	5.00	SH	SSI-REC	N3	N4	CHIP	135	0.15	150	3.8

FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 9

REFERENCE: Alberta Geological Survey
LOCALITY NAME: McLeod River
NTS MAPSHEET: 93C14W

LATITUDE/LONGITUDE-PRESENT: 52 5850 117 1950
LATITUDE/LONGITUDE-PALINSPASTIC: 52 4100 117 5000
DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	FRCUP	4.00	SS	PN-BE-R	10YR5/4		CHIP	78	0.17	50	2.2
FERNIE	RX.CK SST	4.00	COVRD								
FERNIE	RX.CK SST	2.50	SS	MG-CG-TH	5Y8/4	10YR6/6		58			
FERNIE	RX.CK LATO	50.00	COVRD								
FERNIE	RX.CK SST	3.50	SS	D-MG-CG-TKB-TH-R	N6	N5	CHIP	39	0.06	10	0.5
FERNIE	RX.CK SST	1.50	SS	MG-CG-R	10YR8/6		CHIP	99	0.10	20	0.6
FERNIE	RX.CK LATO	3.60	COVRD								
FERNIE	RX.CK LATO	1.00	SS	FG-HEM-R	10YR6/6		CHIP		0.21	50	2.1
FERNIE	RX.CK LATO	1.00	SH	FS-REC	N1		CHIP		0.21	50	2.1
FERNIE	RX.CK LATO	1.00	SS	MG-R	N1		CHIP		0.21	50	2.1
FERNIE	PAPER SH	10.00	COVRD								
FERNIE	TOAR PHOS	0.30	SH	PQ-SSI-MG-CG-YS			CHIP	612	4.49	400	63.7
FERNIE	PAPER SH	0.03	SH	YS-REC-WI	N4	N4	CHIP	323	0.13	320	12.8
FERNIE	PAPER SH	0.30	SH	TH-MB-REC-CAL-WI	N4	N4	CHIP	323	0.20		
FERNIE	PAPER SH	0.30	SH	TH-MB-REC-CAL-WI	N4	N4	CHIP	323	0.04	10	16.0
FERNIE	PAPER SH	0.30	SH	TH-MB-REC-CAL-WI	N4	N4	CHIP	323	0.01	10	18.9
FERNIE	PAPER SH	0.30	SH	TH-MB-REC-CAL-WI	N4	N4	CHIP	323	0.72	500	20.9
FERNIE	PAPER SH	0.30	SH	TH-MB-REC-CAL-F	N4	N4	CHIP	323	0.06	10	18.9
FERNIE	PAPER SH	0.30	SH	TH-MB-REC-CAL-WI	N4	N4	CHIP	323	0.25	420	24.0
FERNIE	PAPER SH	9.00	COVRD								
FERNIE	NORDG	10.00	LS	CHI-MB-Z-R			CHIP	49	0.89	40	1.8
FERNIE	NORDG	5.00	LS	CHI-MB-R			CHIP	80	0.32	20	1.3
FERNIE	NMLSP	3.00	COVRD	REC							
WHITE	WINNIFRED	1.00	DOL	WCO-R							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 5

LATITUDE/LONGITUDE-PRESENT: 52 2075 115 4550
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 1000 116 300
 DATUM USED: +MISN

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Brazeau Range-South
 NTS MAPSHEET: 83B5W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATD	12.00	SH	REC-J							
FERNIE	RX.CK SST	6.00	SS	CAL-R-J							
FERNIE	PAPER SH	15.00	SH	REC-J							
FERNIE	NORDG	2.00	LS	TH-MB-CH-Z-REC				46			
FERNIE	NORDG	4.00	SS	PN-FG-MG-R-QZC	10YR6/6	10YR4/2	GRAB		3.90	40	9.5
FERNIE	NORDG	5.00	CHT	SSI-MB-TB-R	N4	N4					
FERNIE	SINEM	4.00	SS	CGL-PE-CAL	5Y6/1	N5	CHIP	104	0.02	10	0.7
FERNIE	NORDG	2.00	CHT	PT-AR-R-J			GRAB		2.50	100	8.1
FERNIE	NMLSP	0.90	SH	REC							
FERNIE	BFP CGL	0.15	CGL	RS-CH-CAL							
RUNDLE		1.00	DOL	CH-TKB-R							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 4

LATITUDE/LONGITUDE-PRESENT: 52 675 115 5675
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 4800 116 3300
 DATUM USED: +SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Lynx Creek-Headwaters
 NTS MAPSHEET: 83B4W

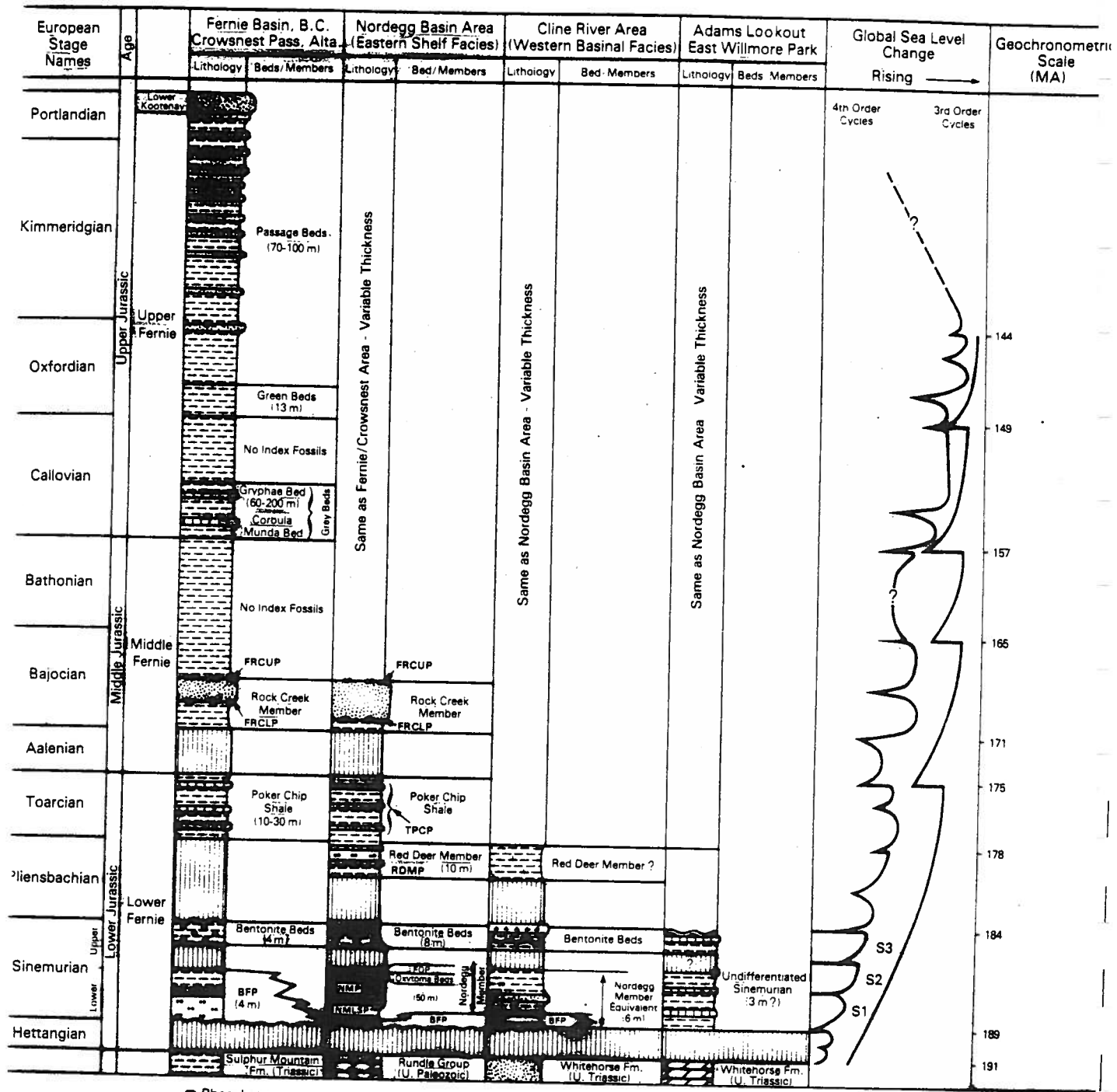
FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATO	5.00	SH	PL-FS-SSI-REC	N4		CHIP	115	0.11	190	3.4
FERNIE	RX.CK LATO	5.00	SH	PL-FS-IRI-REC	N4	N4	CHIP	115	0.11	190	3.4
FERNIE	NORDG	0.50	SS	REC	10YR2/2	10YR2/2	GRAB		0.18	30	3.9
FERNIE	NORDG	0.50	LS	PT-CH-R	5PB5/2		GRAB	115	1.58	60	2.0
FERNIE	NMLSP	1.00	SH	PL-REC	N3	N3	GRAB		0.13	220	10.4
SULFM		1.00	SS	D-V-RS	N4	N4	GRAB	137	0.06	20	1.0

FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 1

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Prairie Creek
NTS MAPSHEET: 83B3E

LATITUDE/LONGITUDE-PRESENT: 52 850 115 2750
LATITUDE/LONGITUDE-PALINSPASTIC: 51 5900 115 4600
DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BLAIRM		2.00	CGL	WC							
FERNIE	OXFORD BED	0.50	SH	PL-FS	5R3/4	10YR6/2	CHIP		0.11	60	1.8
FERNIE	OXFORD BED	0.50	SH	N			CHIP	105	0.11	60	1.8
FERNIE	OXFORD BED	2.00	SS	TKB-R	5R3/4	10YR6/2	CHIP		0.11	60	1.8
FERNIE	OXFORD BED	7.00	SH	PL-FS-SSIIY-IN	N5	N4	CHIP	120	0.14	130	3.6
FERNIE	OXFORD BED	6.00	SH	PL-FS-SSIIY	N5	N4	CHIP	123	0.14	120	3.4
FERNIE	OXFORD BED	7.00	SH	SSI-TH-PL	10YR5/4	N4	CHIP	130	0.09	70	2.9
FERNIE	RX.CK SST	12.00	COVRD					100			
FERNIE	RX.CK SST	3.00	SS	MB-TKB-QZC-MG	10YR6/6	10YR8/2	CHIP	80	0.11	20	1.1
FERNIE	RX.CK SST	3.00	SS	FG-MG-RXF-MB-TKB	5YR5/6	10YR7/4	CHIP	94	0.11	20	1.1
FERNIE	RX.CK SST	1.00	COVRD	J							
FERNIE	NORDG	28.00	COVRD	J							
FERNIE	NORDG	6.00	LS	FX-TH-SHI-RS	N7	N4	GRAB	40	0.42	20	1.0
FERNIE	NORDG	20.00	COVRD	J							
RUNDLE		1.00	COVRD	J							



• Phosphate

* Sea Level Curve and Geochronometric Scale from Hallam, 1977

* Geochronometric Scale from Vail, et. al., 1977. Time Given for Stage Boundaries are Estimates Only.

Figure 4. Age, nomenclature, sealevel rises, and lithologies — Fernie Group, Alberta and southeastern British Columbia

FERNIE GROUP SECTIONS

SPRAY RIVER GROUP SECTIONS

STRATIGRAPHIC SECTION: 403

LATITUDE/LONGITUDE-PRESENT: 51 700 115 3100

LATITUDE/LONGITUDE-PALINSPASTIC: 50 4700 116 3200

DATUM USED: +RYMT

REFERENCE: Gibson-1974

LOCALITY NAME: Sulfur Mountain

NTS MAPSHEET: 8204E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE		40.80	DOL								
SULFM	LLAMA	7.20	SLTST								
SULFM	WHISTLER	12.00	SLTST								
SULFM	VEGA	324.00	SLTST								
SULFM	PHROSO	33.60	SLTST								
SULFM	BPMP	3.00	SLTST	PT							
PERM-U		1.00	SS								

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 388

LATITUDE/LONGITUDE-PRESENT: 51 5450 115 5400
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3800 116 4400
 DATUM USED: +RYMT

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: North of Mt. Peters
 NTS MAPSHEET: 82013W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		1.00	SH	SII-FS-VTH-PT							
WHITE		11.00	DOL	SSI-QZC							
SULFM	VEGA	20.00	SLTST	MB-BL	N8						
SULFM	VEGA	30.00	SLTST	TH-MB-RS	10YR5/4		GRAB	90	0.29	30	
SULFM	MCKENZIE	6.00	DOL	FI-RS							
SULFM	MCKENZIE	8.00	DOL	RS							
SULFM	VEGA	62.40	SLTST	D-REC							
PERM-U		1.00	?	R							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 386

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Forbidden Creek-Headwaters
 NTS MAPSHEET: 82013W

LATITUDE/LONGITUDE-PRESENT: 51 4575 115 5375
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 2300 116 4100
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	LLAMA	2.00	SLTST	MB-R	10YR8/6						
SULFM	WMP	0.20	PHOS	POD-TH-REC	N3	N3	GRAB	25.40		40	17.9
SULFM		1.00	SLTST	PL-VTH-REC							
PERM-U		1.00	?								
SULFM		144.00	SLTST	J							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 380

LATITUDE/LONGITUDE-PRESENT: 51 3650 115 4800
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 1600 116 4900
 DATUM USED: +RYMT

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Snow Peak
 NTS MAPSHEET: 82012W
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	LLAMA	2.00	SLTST	TKB-D-R	5Y6/1						
SULFM	UWMP	0.01	PHOS	PQ-F-REC				160			
SULFM	WHISTLER	0.25	SLTST	VTH-D-REC	10YR7/4						
SULFM	UWMP	0.18	SLTST	P00-PL-REC		10YR5/4	CHIP	190	0.41	70	4.2
SULFM	WHISTLER	19.00	SLTST	VTH-PL-REC			CHIP	210	0.57	120	5.7
SULFM	LWMP	0.50	SLTST	PQ-PL-VTH-PAB		N3	GRAB	145	0.50	40	2.8
SULFM	VEGA	240.00	SLTST	TKB-SILC-RS			CHIP	180	0.89	50	4.6
SULFM	PHROSO	43.20	SLTST	Z-REC							
PERM-U		0.00									

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 375

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Wigmore Creek
 NTS MAPSHEET: 82012E

LATITUDE/LONGITUDE-PRESENT: 51 3100 115 4325
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 1000 116 3400
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	BFP CGL	0.60	BRCH	PN-R-MG-CG-Z	5Y7/2		CHIP	212	1.00	20	5.0
WHITE	OLYMPUS	0.30	DOL	R		N3					
WHITE	OLYMPUS	0.70	LS	TH-FX-R		N3		80			
WHITE	OLYMPUS	0.60	DOL	MB-MCRX-R	N7		GRAB	110	0.11	10	1.8
WHITE	OLYMPUS	7.00	SS	QZC	5Y8/4						

SPRAY RIVER GROUP SECTIONS

STRATIGRAPHIC SECTION: 358

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Otuskwan Ridge

NTS MAPSHEET: 82012E

LATITUDE/LONGITUDE-PRESENT: 51 3550 115 2925

LATITUDE/LONGITUDE-PALINSPASTIC: 51 1800 116 1800

DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	VEGA	4.00	SLTST	PL-MB-REC	10YR5/4						
SULFM	VEGA	0.20	SLTST	BM-Z-REC	10YR5/4			110			
SULFM	VEGA	16.00	SLTST	TH-FR-RS	10YR5/4		GRAB	160	0.21	30	2.2
SULFM	VEGA	12.00	SLTST	MB-TKB-FI-RS	10YR5/4						
SULFM	VEGA	45.00	SLTST	MB-TKB-P-RS	10YR5/4						
SULFM	PHROSO	70.00	SLTST	TH-REC	10YR5/4		GRAB	75	0.35	20	1.7
SULFM	PHROSO	0.40	SS	FG-BM-P	N4	N4	GRAB	125			2.3
SULFM	PHROSO	0.40	SS	SLST-P-RS	N4		CHIP	115	0.25	30	1.1
SULFM	PHROSO	4.50	SLTST	PL-BM-REC	N4						
SULFM	PHROSO	1.50	SLTST	SHI-FS-PL-REC	N4		CHIP	140	0.34	40	2.0
SULFM	PHROSO	3.00	SLTST	SHI-REC	N4		CHIP	157	0.32	50	2.6
MOWIT		1.20	SS				CHIP	170	0.21	110	4.9

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 351

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Costigan
 NTS MAPSHEET: 8206W

LATITUDE/LONGITUDE-PRESENT: 51 1700 115 1850
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 200 116 900
 DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	0.60	LS	J-SHI-REC-PX	N5						
SULFM	LLAMA	20.00	SLTST	TKB-RS							
SULFM	WHISTLER	4.00	SLTST	E-P-SHI-RS	N3		GRAB	130	0.19	30	3.0
SULFM	VEGA	30.00	SLTST	TKB-VTH-RS	10YR4/2		GRAB	78	0.24	30	2.4
SULFM	PHROSO	20.00	SLTST	VTH-REC	10YR4/2		GRAB	133	0.24	30	1.6

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 340

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Pigeon Creek
 NTS MAPSHEET: 8203W

LATITUDE/LONGITUDE-PRESENT: 51 200 115 1500
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 4800 116 1200
 DATUM USED:

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	VEGA	8.00	SS	TKB-VTH-NC	N6	N4	GRAB	130	0.26	40	2.2
SULFM	VEGA	2.00	SLTST		5Y7/2						
SULFM	VEGA	5.00	SLTST	TKB-VTH	5YR5/6	N4					
SULFM	PHROSO	5.00	SLTST	VTH-TKB-NC	5Y6/1		GRAB	130	0.37	30	2.0
SULFM	PHROSO	5.00	SLTST	VTH-TH	5YR3/4	N4					
SULFM	PHROSO	1.00	SLTST	TKB		N4					
SULFM	PHROSO	3.00	COVRD								

SPRAY RIVER GROUP SECTIONS
STRATIGRAPHIC SECTION: 336

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Sheep Creek
NTS MAPSHEET: 82D11W

LATITUDE/LONGITUDE-PRESENT: 51 3400 115 2600
LATITUDE/LONGITUDE-PALINSPASTIC: 51 1975 116 75
DATUM USED: -FERN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE		1.30	SLTST	D-PL-MB-WBP-RS	5Y7/2	N5	GRAB	102	0.24	50	2.9
WHITE		0.50	COVRD	REC							
WHITE		1.00	SLTST	MB-P-N-R	N6	N7					
SULFM	WHISTLER	2.00	SLTST	REC-VTH-FS-Z	N5	N4	CHIP	115	0.17	40	1.5
SULFM	WHISTLER	2.50	SLTST	RS-PL-TH-E	N5	N4	CHIP	80	0.34	40	2.4
SULFM	WHISTLER	1.50	SLTST	SHI-PL-VTH-E-RS	N5	N4	CHIP	125	0.33	40	2.0
SULFM	WHISTLER	2.00	SLTST	VTH-PL-FS-HEM	5Y2/1	N3	CHIP	85	0.37	60	2.5
SULFM	MCKENZIE	11.50	SLTST	DOI-D-MB-TKB-FAU	5Y8/1	N6	GRAB	85	0.27	10	1.0
SULFM	VEGA	3.50	SLTST	D-TKB-MB-P-R-CD	5Y6/1	N7	GRAB	74	0.36	100	2.6
SULFM	VEGA	7.50	COVRD								
SULFM	VEGA	16.50	SLTST	PL-VTH-HZB-SF-RS	5Y7/2	5Y7/2	GRAB	119	0.21	30	1.6
SULFM	VEGA	9.00	COVRD								
SULFM	VEGA	7.50	SLTST	VTH-TH-REC	N6	N7		84			
SULFM	VEGA	4.50	SLTST	MB-VTH-Z-FR	10YR5/4	5Y7/2		70			

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 330

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Eagle Creek
 NTS MAPSHEET: 82012E

LATITUDE/LONGITUDE-PRESENT: 51 4400 115 2900
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 2600 116 1600
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	15.50	SLTST	VTH-TH	5Y2/1	N3	GRAB	127	0.27	50	1.9
SULFM	PHROSO	0.50	SLTST		5Y2/1	N3					
SULFM	PHROSO	0.50	SLTST	R-TKB	5YR3/4	N6					
SULFM	PHROSO	1.00	SLTST	VTH-NC	5Y2/1	N3	CHIP	160	0.30	110	2.9
SULFM	PHROSO	1.00	SLTST	VTH-NC-REC	5Y2/1	N3	CHIP	160	0.28	120	2.8
SULFM	PHROSO	2.00	COVRD	J							
PERM-U		1.00	SS								

SPRAY RIVER GROUP SECTIONS
STRATIGRAPHIC SECTION: 328

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Bighorn Creek Falls
NTS MAPSHEET: 82012E

LATITUDE/LONGITUDE-PRESENT: 51 4450 115 3250
LATITUDE/LONGITUDE-PALINSPASTIC: 51 2800 116 2200
DATUM USED: -FERN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE		0.50	SLTST	MB-TKB-P	5Y6/1	N5					
WHITE		1.00	COVRD	REC							
WHITE		7.00	SLTST	MB-TKB-P-N-GK-RS	5Y6/1	N5		97			
WHITE		2.00	SLTST	PL-TH-RS-P	N4	N4	GRAB	95	0.80	20	1.9
WHITE		1.50	SLTST	TKB-R	N6			65			
WHITE		0.10	CGL	P-RS			GRAB	100	0.20		2.1
WHITE		1.40	SLTST	MB-WCD-WC-R				100			
WHITE		0.10	CGL	PP-RS			GRAB	60	5.90	20	8.2
WHITE		0.90	SLTST	MB-TKB-GK-R	N5			60			
WHITE		0.50	LS	MB-TKB-R	N4	N4		50			
WHITE		0.05	CGL	P-N-R	N4			120			
WHITE		4.50	SLTST	MB-TKB-P-RS	N4			120			
WHITE		1.50	SLTST	SHI-PL-MB-P-EC	N5	5B7/1	CHIP	163	0.20		2.0
WHITE		0.70	SH	SI-SII-PL-FS-TT	5Y2/1	N4	CHIP	210	0.20		13.5
SULFM	LLAMA	55.00	SLTST	D-TH-TKB-Z-R-J			GRAB	125	0.20		2.6
SULFM	WHISTLER	1.00	SLTST	TH-PL-E-SHI-REC			CHIP	150	0.20		3.8
SULFM	WHISTLER	1.00	SLTST	RS-VTH-GK			CHIP	180	0.20		3.6
SULFM	WHISTLER	1.00	SLTST	PL-TH-RS			CHIP	160	0.20		3.4
SULFM	WHISTLER	1.00	SLTST	PL-TH-RS			CHIP	155	0.20		3.3
SULFM	WHISTLER	1.00	SLTST	PL-VTH-FL-Z-E			CHIP	140	0.20		4.0
SULFM	WHISTLER	1.00	SLTST	PL-TH-Z-REC			CHIP	170	0.20		3.9
SULFM	WHISTLER	1.00	SLTST	Z-SSI-Y-WBP-REC			CHIP	127	0.20		3.6
SULFM	WHISTLER	1.00	SLTST	Z-SHI-XB-PL-TH			CHIP	130	0.20		3.5
SULFM	WHISTLER	1.00	SLTST	PL-VTH-SSI-Y-SHI			CHIP	163	0.20		4.5
SULFM	VEGA	2.60	SLTST	D-MB-TKB-Z-RR				65			

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 321

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Headwaters-Whiterabbit Creek
 NTS MAPSHEET: 82N16E

LATITUDE/LONGITUDE-PRESENT: 51 5875 116 950
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3800 117 100
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	7.00	SLTST	VTH-TH-REC	5Y6/1	5Y6/1					
SULFM	PHROSO	24.00	SLTST	VTH-REC	5Y6/1	5Y6/1	GRAB		0.72	20	2.3
RANGER		3.00	SS	FG-M-R		5P83/2	GRAB		0.40		2.6

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 320

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Wampum Peak-North
 NTS MAPSHEET: 82N16E

LATITUDE/LONGITUDE-PRESENT: 51 5800 116 050
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3600 116 4700

DATUM USED:

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM		0.61	SS	PC-R							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 318

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Ram River-Headwaters
 NTS MAPSHEET: 82N16E

LATITUDE/LONGITUDE-PRESENT: 51 5325 116 1025
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3100 117 2700
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	LLAMA	2.00	SLTST	MB-RS	5Y6/4						
SULFM	WHISTLER	7.70	SLTST	VTH-FS-REC	N3						
SULFM	LWMP	0.30	SLTST	POO-REC	N3						
SULFM	VEGA	2.00	SLTST	MB-VTH-RS	5Y6/4		GRAB	195	0.90	50	5.7
SULFM	VEGA	262.00	SLTST	J-RS-D				145			
SULFM	PHROSD	60.00	SLTST	J-REC-D							
PERM-U		0.00	SS								

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 317

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Ram Falls-Headwaters
 NTS MAPSHEET: 82N16E

LATITUDE/LONGITUDE-PRESENT: 51 5350 116 1025
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3700 116 5900
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC THICKNESS	LITHOLOGY	LITHOLOGY	WEATHERED	FRESH	SAMPLE	TOTAL	P205	V	U
UNIT		MODIFIER		COLOR	COLOR	TYPE	COUNT	(%)	(PPM)	(PPM)

SULFM	1.00	SLTST	REC							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 300

REFERENCE: Gibson-1968b
 LOCALITY NAME: Mt. Bleasde11
 NTS MAPSHEET: 82J7W

LATITUDE/LONGITUDE-PRESENT: 50 1950 114 5675
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 5600 116 5200
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE		9.75	SS								
SULFM	LLAMA	48.16	SLTST								
SULFM	VEGA	413.00	SLTST								
SULFM	PHROSO	51.82	SLTST								
PERM-U		1.00	SS								

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 299

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Whiteman Creek
 NTS MAPSHEET: 82J11E

LATITUDE/LONGITUDE-PRESENT: 50 4000 115 475
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2200 116 800
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	20.00	SLTST	FS-Z-NC				120			
SULFM	PHROSO	1.00	SLTST	NC-TH-TKB			GRAB	115	0.12	100	4.2
RANGER	RCUP	0.50	SS	PN-FG-MG-R	N1		CHIP		2.06	70	9.4

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 290

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Kidd
 NTS MAPSHEET: 82J14E

LATITUDE/LONGITUDE-PRESENT: 50 5125 115 1450
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 3300 116 1500
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	15.00	SLTST	Z-BM-CW-E-REC	N3	N3	CHIP	145	0.20	100	4.5
SULFM	PHROSO	12.00	SLTST	Z-BM-CW-E-REC			CHIP	145	0.18	100	3.8
JOHNST	JCUP	0.15	SS	PC-MG-P-WCD-R	10YR6/2						

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 277

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Little Elbow River-Headwaters
 NTS MAPSHEET: 82J10W

LATITUDE/LONGITUDE-PRESENT: 50 4300 114 5900
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2700 115 3900
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	VEGA	50.00	SLTST	MB-TKB-PL-RS	5Y6/1		GRAB	125	0.35	50	2.1
SULFM	PHROSO	4.00	SLTST	FS-PL-WI	N4	N4	GRAB	170	0.21	150	6.5
SULFM	PHROSO	15.00	SLTST	FS-PL-WT-REC	N4	N4	GRAB	140	0.14	120	2.1
SULFM	PHROSO	6.00	SLTST	PX-REC-SLD	N4	N4					
JOHNST		1.50	SS	FG-ZC	10YR7/4						

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 251

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Mt. Evans-Thomas Creek
 NTS MAPSHEET: 82J14E

LATITUDE/LONGITUDE-PRESENT: 50 4600 115 700
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2300 116 300
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	VEGA	45.00	SLTST	QZC-D-Z-TKB-TH							
SULFM	VMP	0.45	SS	PT-R-J							
SULFM	VEGA	157.00	SLTST	D-QZC-TH-TKB							
SULFM	PHROSO	48.00	SLTST	Z-REC							
PERM-U		1.00	?								

SPRAY RIVER GROUP SECTIONS

STRATIGRAPHIC SECTION: 248

REFERENCE: Alberta Geological Survey.
 LOCALITY NAME: Elpoca Mountain Group,
 NTS MAPSHEET: 82J11E

LATITUDE/LONGITUDE-PRESENT: 50 3850 115 150

LATITUDE/LONGITUDE-PALINSPASTIC: 50 1600 116

DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	2.00	SLTST	TH	10YR5/4	N5					
SULFM	PHROSO	10.50	SLTST	SHI-PL-FS-REC	10YR5/4	10YR5/4	GRAB	165	0.57	140	5.2
SULFM	PHROSO	12.50	SLTST	SHI-PL-FS-REC	10YR5/4	10YR5/4	GRAB	120	0.57	160	5.2
SULFM	PHROSO	12.00	SH	FS	10YR5/4	10YR5/4	GRAB	170	0.54	180	5.2
RANGER	RCUP	0.30	CGL	PE-WC-YS	N4	N4	CHIP	175	5.50	80	14.5

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 244

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Highwood Range
 NTS MAPSHEET: 82J10W

LATITUDE/LONGITUDE-PRESENT: 50 3200 114 4900
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 1600 115 3500
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	LLAMA	1.50	DOL	QZC-FX-R							
SULFM	VEGA	30.00	DOL	SSI-QZC-FI-RS							
SULFM	VMP	1.80	SS	PC-R							
SULFM	VEGA	35.10	SLTST	D-QZC-TH-TKB-RS							
SULFM	PHROSO	30.00	SLTST	Z-PX							
PERM-U		1.00									

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 243

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Ribbon Creek
 NTS MAPSHEET: 82J14E

LATITUDE/LONGITUDE-PRESENT: 50 5600 115 900
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 4100 116 500
 DATUM USED: -FERM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		0.70	SH								
SULFM	PHROSO	18.00	SLTST	FR-SLD-FS-PL-REC			GRAB	110			2.0
SULFM	PHROSO	67.50	COVRD								
SULFM	PHROSO	45.00	SLTST	MG-TKB-FS-PL-REC	5YR3/4	N4	GRAB	105			
SULFM	PHROSO	37.50	SLTST	TH	5Y4/1	N4	GRAB	115	0.29	60	2.3
SULFM	PHROSO	30.00	SLTST	TH-NC	5Y4/1	N4	CHIP	110	0.25	60	2.3

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 242

REFERENCE: Mobil O11-1965
 LOCALITY NAME: Mt Chester
 NTS MAPSHEET: 82J14W

LATITUDE/LONGITUDE-PRESENT: 50 4700 115 1600
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2300 116 2900
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	LLAMA	2.75	SS	R							
SULFM		0.48	SS	PQ							
SULFM		0.23	COVRD								
SULFM		0.04	SS	PQ							
SULFM		0.20	SS	PQ					20.10		
SULFM	LLAMA	0.36	SS								
SULFM		0.10	SS	PQ							
SULFM		0.05	SS	PQ							
SULFM		0.13	SS	PQ-PB-CAL							
SULFM		0.13	SS	PP							
SULFM		0.13	SS	PQ							
SULFM		0.08	SS	PQ							
SULFM		0.08	SS	PQ-B							
SULFM		0.08	SS	PQ-PB							
SULFM		0.03	SS	PQ							
SULFM		0.23	SS	PT							
SULFM	LLAMA	0.23	SS								
SULFM	LLAMA	1.45	SS	FG							
SULFM	LLAMA	59.70	?								
SULFM	VEGA	286.50	SLTST	LSI-RS							
SULFM	PHROSO	59.40	SLTST	D-Z-REC							
RANGER		0.30	SS								

SPRAY RIVER GROUP SECTIONS

STRATIGRAPHIC SECTION: 239

REFERENCE: Gibson-1968b

LOCALITY NAME: Lodgepole Creek-South

NTS MAPSHEET: 82G2W

LATITUDE/LONGITUDE-PRESENT: 49 1475 114 5400

LATITUDE/LONGITUDE-PALINSPASTIC: 49 115 5400

DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE		4.87	LS	PT-P-QZC-R							
WHITE		1.52	DOL								
SULFM	LLAMA	4.57	SLTST								
SULFM	VEGA	52.09	SLTST								
PERM-U		1.00	?								

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 237

REFERENCE: Gibson-1968b
 LOCALITY NAME: Mt. Salter
 NTS MAPSHEET: 82G15W

LATITUDE/LONGITUDE-PRESENT: 49 5125 114 4675
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 4725 116 5300
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE		9.14	SLTST								
SULFM	LLAMA	9.14	SLTST								
SULFM	VEGA	166.11	SLTST								
SULFM	PHROSO	60.96	COVRD	PX							
PERM-U		1.00	?								

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 192

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: White Creek
 NTS MAPSHEET: 82G16W

LATITUDE/LONGITUDE-PRESENT: 49 5900 114 2300
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 5000 115 1400
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		0.25	SS								
SULFM	PHROSO	11.00	SLTST	VTH-TH-RS	10YR7/4		GRAB	108	0.34	200	1.3
SULFM	PHROSO	6.00	SLTST	PL-VTH-REC	N4		GRAB	142	0.34	200	5.2
SULFM	PHROSO SH	6.00	SH	SI-REC-PX	N4		CHIP	200	0.32	80	5.2
PERM-U		0.20	SS								

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 180

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Folding Mountain
 NTS MAPSHEET: 83F4W

LATITUDE/LONGITUDE-PRESENT: 53 1425 117 4725
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 700 118
 DATUM USED: -SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
SULFM	PHROSO	7.50	SS	SII-FG-PL	10YR6/6		GRAB	125	0.47	30	2.3
RUNDLE		5.00	DOL	MB-TKB-CH				45			
SULFM	PHROSO	6.00	COVRD	REC			GRAB	75	0.35	100	3.5
COND-P		0.00									

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 178

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Oldhouse Creek
 NTS MAPSHEET: 83F5W

LATITUDE/LONGITUDE-PRESENT: 53 2000 117 5600
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1200 118 900
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		1.00	SH								
WHITE	WINNIFRED	2.00	COVRD	J							
WHITE	WINNIFRED	3.00	DOL								
WHITE	STARLIGHT	2.00	COVRD								
WHITE	STARLIGHT	2.00	DOL	FX-MB-TKB	N7						
WHITE	STARLIGHT	3.00	DOL	FX-MB	10YR8/6						
WHITE	STARLIGHT	1.00	DOL	FX-MB	N7						
WHITE	STARLIGHT	1.00	DOL	SHI-CRX-NB	10YR8/6						
WHITE	STARLIGHT	2.00	DOL	MCRX-TKB							
WHITE	STARLIGHT	0.20	SH	FX-PL-REC	N7						
WHITE	STARLIGHT	1.80	DOL	SHI-MCRX-Z	N7		CHIP	0.62	80	7.3	
WHITE	STARLIGHT	1.00	SS	FG-MG	N7						
SULFM	LLAMA	6.00	DOL	MCRX-FIL	5Y7/2	N6					
SULFM	LLAMA	3.00	DOL	LSI-SHI-Z-TH-MB	5Y6/1	N7					
SULFM	LLAMA	3.00	DOL	PVG-LSI-SH	5Y6/1						
SULFM	WHISTLER	2.00	COVRD								
SULFM	WHISTLER	3.00	LS	D-TH-MB-E-Z-REC			GRAB	0.12	390	3.9	
RUNDLE		1.00	LS								
SULFM		332.00	SLTST								
PERM-U		0.60	CGL	RS							

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 176

REFERENCE: Gibson-1964

LOCALITY NAME: Seep Creek-East Fork

NTS MAPSHEET: 83E9W

LATITUDE/LONGITUDE-PRESENT: 53 3200 118 2100

LATITUDE/LONGITUDE-PALINSPASTIC: 53 2000 118 3800

DATUM USED: +RUND

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	WINNIFRED	3.60	DOL								
WHITE	STARLIGHT	81.00	DOL								
WHITE		1.80	DOL	PP-SI							
SULFM	LLAMA	9.00	DOL								
SULFM		9.00	DOL	PP-SI-FI							
SULFM	WHISTLER	22.50	SLTST								
SULFM	VEGA	59.40	SLTST								
SULFM	PHROSO	12.60	SLTST								
SULFM	PMIC	1.80	SLTST	PP-D							
SULFM	PHROSO	75.60	SLTST								
RUNDLE		1.00	DOL								

SPRAY RIVER GROUP SECTIONS
 STRATIGRAPHIC SECTION: 174

REFERENCE: Gibson-1967

LOCALITY NAME: Greenock Mountain

NTS MAPSHEET: 83E1E

LATITUDE/LONGITUDE-PRESENT: 53 700 118 600

LATITUDE/LONGITUDE-PALINSPASTIC: 52 3900 118 5400

DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
WHITE	WINNIFRED	57.60	DOL								
WHITE	STARLIGHT	156.00	LS								
WHITE	SEMP	2.00	DOL	PP-SI-D							
SULFM	LLAMA	21.60	DOL								
SULFM	LLAMA	7.20	SLTST	PP-D							
SULFM	LLAMA	12.00	SLTST								
SULFM	LLAMA	9.60	SLTST	PP-D							
SULFM	LLAMA	2.40	SLTST								
SULFM	WHISTLER	2.20	SLTST	D							
SULFM	LWMP	0.20	PHOS	POO-REC							
SULFM	VEGA	57.60	SLTST								
SULFM	VMP	4.80	SLTST	PP-D							
SULFM	VEGA	6.00	SLTST								
SULFM	PHROSO	117.60	SLTST								
PERM-U		1.00	SS								

FERNIE GROUP SECTIONS

STRATIGRAPHIC SECTION: 110

LATITUDE/LONGITUDE-PRESENT: 53 3100 118 2050

LATITUDE/LONGITUDE-PALINSPASTIC: 53 1900 118 3700

DATUM USED: +WHHO

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Seep Creek-Headwaters
 NTS MAPSHEET: 83E9W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	3.00	SH	SII-E-FS-CAL-BM	N1		CHIP	190			
FERNIE	SINM/PLIEN	3.00	SH	SII-E-FS-CAL-BM	N1		CHIP	160			
WHITE		2.00	DOL	A-MB-R	N7			60			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 111

LATITUDE/LONGITUDE-PRESENT: 53 3125 118 1250
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2300 118 2600
 DATUM USED: +WHD

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Collie Creek-Headwaters
 NTS MAPSHEET: 83E9W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATO	15.00	SH	FS-PX-IN	N4						
FERNIE	PAPER SH	5.00	SH	PX-LSI-SI-MB-CAL			CHIP		0.41	230	14.3
FERNIE	TOAR PHOS	2.98	SH	PT-FI-LSI-FS-PL	5Y2/1		CHIP		1.20	150	14.9
FERNIE	SINM BENT	0.02	BENT	REC-CAL	N9		CHIP		1.20	150	14.9
FERNIE	SINM/PLIEN	1.50	SH	LSI-SI-Z-FS-VTH	N4		CHIP		0.41	310	23.9
FERNIE	SINM/PLIEN	1.50	SH	SSI-FS-VTH-FG-BM	N1		CHIP		0.39	900	24.8
WHITE		2.00	DOL	MB-A-R	N9						

FERNIE GROUP SECTIONS

STRATIGRAPHIC SECTION: 112

LATITUDE/LONGITUDE-PRESENT: 53 4300 118 5875

LATITUDE/LONGITUDE-PALINSPASTIC: 53 2300 119 2100

DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	OXFORD BED	106.68	SH	FS-TB-IRI-P-INF							
FERNIE	OXFORD BED	10.67	SH	FS-IRI-REC							
FERNIE	RX.CK LATO	2.01	SH	FS							
FERNIE	RX.CK LATO	3.41	SH	SI-IRC-BE-REC							
FERNIE	RX.CK LATO	4.57	COVRD								
FERNIE	RX.CK LATO	11.37	SH	FS-SII-BE-REC							
FERNIE	RX.CK LATO	14.90	COVRD								
FERNIE	PAPER SH	0.15	LS	E-FX-BE-FI							
FERNIE	PAPER SH	1.95	COVRD								
FERNIE	PAPER SH	0.76	LS	FX-VI							
FERNIE	PAPER SH	1.13	SH	SI-TH-REC							
FERNIE	PAPER SH	0.18	LS	FX-VI-TH							
FERNIE	PAPER SH	0.46	LS								
FERNIE	PAPER SH	0.12	LS	TH							
FERNIE	PAPER SH	0.43	SH	FS-CAL-REC							
FERNIE	PAPER SH	0.09	LS	TH							
FERNIE	PAPER SH	0.12	SH	CAL-FS-REC							
FERNIE	PAPER SH	0.15	LS								
FERNIE	PAPER SH	0.40	SH	FS-CAL							
FERNIE	PAPER SH	0.24	LS								
FERNIE	PAPER SH	1.10	SH	FS-CAL							
FERNIE	PAPER SH	1.62	LS	TH							
FERNIE	PAPER SH	8.29	LS	TH							
FERNIE	BFP CGL	0.15	SS	PT-CG-CGL							
WHITE		1.00	LS								

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 114

LATITUDE/LONGITUDE-PRESENT: 53 3225 118 5500
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 200 119 3800
 DATUM USED: +WHHO

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Monoghan Creek Ridge
 NTS MAPSHEET: 83E10W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	1.50	LS	SHI-PL-REC	5Y2/1		CHIP	195	0.34	200	4.5
FERNIE	PAPER SH	0.30	LS	SIL-FX-REC	10YR6/2	N4	GRAB	190	0.04	100	7.2
FERNIE	SINM/PLIEN	1.80	SH	LSI-CH-REC-FS-TH	5Y2/1	N1	CHIP	375	0.14	510	13.8
FERNIE	SINM/PLIEN	1.50	SH	LSI-FS-TH-CH	5Y2/1	N1	CHIP	350	0.62	780	28.2
FERNIE	BFP CGL	0.15	CGL	PN-PC-REC	N1		CHIP	512	2.10	80	29.3
FERNIE	BFP CGL	0.15	LS	PT-SI-REC	N1		CHIP	512	2.10	80	29.3
WHITE	WINNIFRED	2.00	SS	FG-R	5Y6/1	N4	GRAB		0.53	20	1.8

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 119

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Muskegg River-Headwaters
 NTS MAPSHEET: 83E10W

LATITUDE/LONGITUDE-PRESENT: 53 3850 118 5033
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 2000 119 1400
 DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	0.50	LS	MB	5Y6/1			200			
FERNIE	PAPER SH	4.50	LS	Z-SIY-VTH-RY	N3		CHIP	200	0.27	220	12.0
FERNIE	SINEM	1.20	SH	REC-PL	N3		CHIP	210	0.85	220	13.6
FERNIE	SINEM	0.30	LS	SI-PL-FG-F-B			CHIP	210	0.85	320	13.6
FERNIE	SINEM	0.30	SLTST	CAL-R-MB			CHIP	360	0.32	540	20.4
FERNIE	SINEM	0.40	SH	REC-CAL-FS			CHIP	360	0.32	540	20.4
FERNIE	SINEM	0.30	LS	SI-MB	N3		CHIP	360	0.32	540	20.4
FERNIE	SINEM	0.50	SLTST	CAL-R-MB			CHIP	360	0.32	540	20.4
FERNIE	SINEM	0.60	SH	FS-PL	N3		CHIP	450	0.34	110	29.5
FERNIE	SINEM	0.30	LS	Z-MB	N3		CHIP	450	0.34	110	29.5
FERNIE	SINEM	0.40	SH	REC-PL	N3		CHIP	450	0.34	110	29.5
FERNIE	SINEM	0.20	LS	SHI-MB-A	N3		CHIP	450	0.34	110	29.5
FERNIE	SINEM	0.90	SH	REC-PL-CW	N3		CHIP	450	0.34	110	29.5
WHITE		1.50	DOL	D-A-TKB	N6			110			

FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 123

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Snake Indian River Bridge
NTS MAPSHEET: 83E1E

LATITUDE/LONGITUDE-PRESENT: 53 950 118 200
LATITUDE/LONGITUDE-PALINSPASTIC: 52 4700 118 4000
DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	3.00	SH	FS-TH-CAL-BM-REC	N3	N3	CHIP	300	0.23	470	19.8
FERNIE	PAPER SH	1.50	SH	FS-E-CAL-BM-REC			CHIP	250	0.51	100	11.7
FERNIE	SINEM	1.50	SH	SHIY-FS-REC	5Y2/1		CHIP	250	0.51	100	11.7
FERNIE	SINEM	0.50	CHT	SHI-FS-MB-REC	N4		CHIP	250	0.51	100	11.7
FERNIE	SINEM	0.15	MDST	MB-REC	5Y6/1		CHIP	250	0.51	100	11.7
FERNIE	SINEM	0.22	SH	FS-REC	N3		CHIP	250	0.51	100	11.7
FERNIE	SINM BENT	0.03	BENT	REC	N3		CHIP	250	0.51	100	11.7
FERNIE	SINEM	0.30	CHT	SHIY-R			CHIP	250	0.51	100	11.7
FERNIE	SINEM	0.60	CHT	R	N1	N1	GRAB	250	0.37	300	9.0
FERNIE	SINEM	0.30	SH	FS-REC	N1		GRAB	350	0.66	340	21.5
FERNIE	SINM BENT	0.03	BENT	REC	N1		GRAB	350	0.66	340	21.5
FERNIE	SINEM	0.27	SH	FS-REC	N1		GRAB	350	0.66	340	21.5
FERNIE	SINM BENT	0.10	BENT	REC-CHIY	N3						
FERNIE	SINEM	0.10	SLTST	REC	N9						
FERNIE	SINEM	0.20	CHT	MB-R	N1	N1					
FERNIE	SINEM	0.15	SLTST	PT-MB-R	N4	N3	GRAB	280	1.32	140	26.2
FERNIE	SINEM	0.55	SH	PT-FS-VTH-SI-REC			CHIP	360	1.60	320	31.8
FERNIE	SINM BENT	0.10	BENT	REC			CHIP	360	1.60	320	31.8
FERNIE	SINEM	0.40	LS	MB-CHY-SI-R-B	N4	N3	GRAB	440	0.09	90	5.8
FERNIE	SINEM	0.20	SS	FR-MG-REC	N9	N7	GRAB	800	0.35	330	19.3
FERNIE	SINEM	0.25	SLTST	PC-BE-R	N4	N3	CHIP	900	0.18	200	27.7
FERNIE	SINEM	0.13	SH	FS-REC-BM	N4	N3	CHIP	900	0.18	200	27.7
FERNIE	SINM BENT	0.02	BENT	REC	N4	N3	CHIP	900	0.18	200	27.7
FERNIE	SINEM	0.32	MDST	PT-SHI-F-VTH-CAL	N4	N4	CHIP	650	1.05	620	53.5
FERNIE	SINM BENT	0.01	BENT	REC	N4	N4	CHIP	650	1.05	620	53.5
FERNIE	SINEM	0.50	SH	FS-CAL-REC	N3	N3	CHIP	830	0.61	1030	42.2
FERNIE	SINM BENT	0.01	BENT	REC	N3	N3	CHIP	830	0.61	1030	42.2
FERNIE	SINEM	0.03	SH	FS-CAL-REC	N3	N3	CHIP	830	0.61	1030	42.2
FERNIE	SINM BENT	0.01	BENT	REC	N3	N3	CHIP	830	0.61	1030	42.2

FERNIE	FOB	0.10	CGL	PN-B-P-CH-R	5Y7/2		CHIP	986	3.03	60	54.1
FERNIE	FOB	0.10	LS	PT-TH-PTJ-FI	N4	N4	GRAB	750	5.01	70	157.0
FERNIE	FOB	0.10	LS	FX-TH-AR	10YR6/2	N5					
FERNIE	FOB	0.03	SH	PL	N4	N4		300			
FERNIE	FOB	4.50	LS	AR-MCRX-SP-FI	10YR4/2	N4	GRAB	120	0.16	10	3.4
FERNIE	FOB	1.50	LS	FI-AR-CRX-M-VI	10YR5/4	N4	GRAB	110	0.17	30	3.6
FERNIE	FOB	0.60	LS	AR-MCRX-TKB-FI	5Y6/1	N5	GRAB	130	0.58	30	3.4
FERNIE	BFP CGL	0.10	CGL	PB-CAL-FG-WC-WCO	N5	N5	GRAB	220	7.83	40	23.2
FERNIE	NORDG	16.00	LS	CRX-VI-TKB-SHI	5Y7/2	N4	GRAB	80	0.34	30	1.9
WHITE		1.00	?								

FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 131

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Snake Indian Falls
NTS MAPSHEET: 83E8W

LATITUDE/LONGITUDE-PRESENT: 53 1750 118 1625
LATITUDE/LONGITUDE-PALINSPASTIC: 52 5300 118 5100
DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	0.50	LS	TH-Z-REC	5Y4/1						
FERNIE	PAPER SH	1.00	SH	VTH-LSI-SI-BM	N3		CHIP	260	0.53	300	18.4
FERNIE	PAPER SH	1.50	LS	PL-VTH-Z-BM-DK	5Y4/1		CHIP		0.23	150	8.4
FERNIE	PAPER SH	3.00	LS	PL-VTH-Z-BM-REC	5Y2/1	N3	CHIP	150	0.18	120	8.2
FERNIE	PAPER SH	0.70	SH	FS-CAL-REC-SI	N3		CHIP	140	0.24	110	10.4
FERNIE	PAPER SH	10.50	COVRD								
FERNIE	SINM/PLIEN	4.50	COVRD								
FERNIE	FOB	0.20	SLTST	MB-Z-R		N3					
FERNIE	FOB	1.50	COVRD								
FERNIE	FOB	0.50	SLTST	PT-MB-R		N3	GRAB	150	1.00	40	6.3
FERNIE	FOB	1.50	SS	BE-TKB-QZC-FG-R				100			
FERNIE	FOB	0.65	SLTST	Z-BR-REC-BT-R	N3	N3	GRAB	150	0.30	40	5.5
FERNIE	FOB	1.00	SLTST	MB-CW-R	5PB3/2			70			
FERNIE	NORDG	15.24	?								
WHITE		1.00	DOL								

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 134

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: South Rock Lake
 NTS MAPSHEET: 83E8E

LATITUDE/LONGITUDE-PRESENT: 53 2380 118 1450
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 118 5000
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	5.00	LS	SHI-FS-VTH-Z-INF	N4		CHIP	150	0.34	140	9.3
FERNIE	SINM/PLIEN	1.20	SH	REC-SI-BE-CAL	N4		CHIP	270	2.30	280	29.1
FERNIE	SINM/PLIEN	0.50	SLTST	CAL-R	5Y6/1		CHIP	270	2.30	280	29.1
FERNIE	SINM/PLIEN	0.75	SH	SII-FS-VTH	N4		CHIP	330	0.41	960	21.0
FERNIE	SINM BENT	0.10	BENT	SII-FS-VTH	N4		CHIP	330	0.41	960	21.0
FERNIE	SINM/PLIEN	0.65	SH	SII-FS-VTH	N4		CHIP	330	0.41	960	21.0
FERNIE	BFP CGL	0.10	CGL	PC		N3	GRAB	405	4.10	210	111.0
WHITE		2.00	DOL	D-A-MB	N7			140			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 137

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Kelsey
 NTS MAPSHEET: 83E7E

LATITUDE/LONGITUDE-PRESENT: 53 2050 118 3575
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5000 119 1800
 DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	12.00	SH	FS-VTH-SI-REC	5Y2/1	N3	CHIP	170	0.37	330	11.3
FERNIE	PAPER SH	2.50	SH	FS-VTH-SI-REC	5Y2/1	N3	CHIP	220	0.53	200	9.8
FERNIE	PAPER SH	3.00	SH	PX-FS-REC	5Y2/1	5Y2/1	CHIP	190	0.68	250	11.0
FERNIE	PAPER SH	0.50	SH	PL-REC			CHIP	230	0.75	330	11.4
FERNIE	SINEM	0.10	SS	PC-FG-RS			CHIP	230	0.75	330	11.4
FERNIE	SINEM	0.50	SH	PL-REC			CHIP	230	0.75	330	11.4
FERNIE	SINEM	0.10	SS	PC-FG-RS			CHIP	230	0.75	330	11.4
FERNIE	SINEM	0.60	SH	PL-REC			CHIP	230	0.75	330	11.4
FERNIE	FOB	4.00	SH	PI-SSI-FG-PL-VTH	N3	N3	CHIP	200	2.77	110	11.9
FERNIE	FOB	1.20	SS	POO-TH-MG-RS	5Y6/1	N3	CHIP	230	4.20	30	9.4
FERNIE	SINEM	1.00	SH	PP-PL-REC	N3		CHIP	185	1.90	60	10.5
FERNIE	NORDG	0.60	CHT	PT-SHI-VTH-REC	N3		CHIP	185	1.90	60	10.5
FERNIE	NORDG	0.10	SS	PC-FG-RS	N3		CHIP	185	1.90	60	10.5
FERNIE	NORDG	0.80	CHT	PT-SHI-VTH-REC	N3		CHIP	185	1.90	60	10.5
FERNIE	NMLSP	1.40	SH	PI-SSI-PL-TH-REC	N3	N3	CHIP	255	1.96	60	11.3
FERNIE	BFP CGL	0.60	SS	PC-CGL-TH-REC		5Y7/6	CHIP	425	11.50	60	43.8
WHITE		1.00	DOL	MB-R				95			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 141

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Kephala
 NTS MAPSHEET: 83E8E

LATITUDE/LONGITUDE-PRESENT: 53 2250 118 150
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1400 118 1500
 DATUM USED: +WHD

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX. CK LATO	15.00	SH	FS	N3		GRAB	120	0.21	200	
FERNIE	PAPER SH	7.00	SH	LSI	N3		CHIP	230	0.30	400	4.1
FERNIE	PAPER SH	5.50	SS	MB-PL-LSI	N3		CHIP	140	0.18	120	13.4
FERNIE	SINM/PLIEN	1.10	SH	PT-TCI-PL-B-SSI	5Y2/1		CHIP	230	1.00	210	7.5
FERNIE	SINEM	1.20	SH	SSI-REC	N3		GRAB	130	0.62	330	16.3
FERNIE	SINEM	2.00	SH	PT-PX-SSI-SII			GRAB	90	1.00	120	9.4
WHITE		5.00	DOL	TKB-M-FXL	N9			97			22.6

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 152

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mowitch Creek-Mouth
 NTS MAPSHEET: 83E8W

LATITUDE/LONGITUDE-PRESENT: 53 2500 118 2950
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5800 119 300
 DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATO	6.00	SH	FS-REC	N4	N4					
FERNIE	PAPER SH	3.00	COVRD								
FERNIE	PAPER SH	6.00	LS	SHI-Z-FS-MB-REC	5Y8/4	N4	CHIP	0.18	100	8.2	
FERNIE	PAPER SH	1.20	MDST	LSI-PL-TH-CAL	N4	N4	CHIP	0.64	220	11.9	
FERNIE	SINM/PLIEN	0.70	MDST	PT-LSI-PL-VTH	N4	N4	CHIP	0.66	320	13.2	
FERNIE	SINM/PLIEN	1.20	LS	SHI-Z-TH-VTH-REC	N4	N4	CHIP	0.43	260	23.2	
FERNIE	SINM/PLIEN	1.50	MDST	LSI-VTH-REC	N4	N4	CHIP	0.36	910	32.5	
FERNIE	SINM/PLIEN	0.50	SH	PL-VTH-CAL-REC	N4	N4	CHIP	0.20	870	28.6	
FERNIE	SINM/PLIEN	0.90	LS	SHIY-TH-VTH-RS	N4	N4	CHIP	0.39	980	25.7	
FERNIE	SINM/PLIEN	0.40	SH	LSI-CAL-PL-VTH	N4	N4	CHIP	0.29	1440	26.9	
FERNIE	BFP CGL	0.50	SS	PQ-MB-CGL-FG-CAL	10YR8/6	N4	GRAB	1.92	30	7.6	
WHITE		5.50	SS	MB-TKB-FG-CAL-R							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 153

LATITUDE/LONGITUDE-PRESENT: 53 2525 118 3675
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5400 119 1600
 DATUM USED: +WHHO

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mowitch Creek
 NTS MAPSHEET: 83E7E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		1.00	COVRD								
FERNIE	SINM/PLIEN	0.15	SLTST	BM-CAL-REC	N4	N4	GRAB				
FERNIE	SINM/PLIEN	2.00	MDST	MB-R	N8	N3		0.04		40	1.0
FERNIE	BFP CGL	0.10	SS	PQ-PC-CGL-R			GRAB				
WHITE	WINNIFRED	0.50	DQL	R	N8	N3		6.95		50	13.4

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 159

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Kvass Creek-South
 NTS MAPSHEET: 83E11W

LATITUDE/LONGITUDE-PRESENT: 53 3775 119 750
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 600 119 4600
 DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATO	60.00	SH	FS-IRI-BE-REC	5Y4/1		CHIP	170	0.38	220	3.9
FERNIE	RX.CK LATO	3.00	SH	FS-G-REC							
FERNIE	PAPER SH	4.50	SH	SSI-FS-MB-SF-PT	5Y2/1		GRAB		1.00	1190	13.1
FERNIE	PAPER SH	3.00	SH	FS-VTH-SI-CAL	5Y2/1	5Y2/1	CHIP	340	0.32	150	12.2
FERNIE	PAPER SH	3.00	LS	MB-R	5Y8/4			130			
FERNIE	SINM/PLIEN	0.30	SH	NP-CHI-MB-VTH	5Y2/1	5Y2/1	GRAB	430	0.69	590	10.6
FERNIE	SINM/PLIEN	3.50	LS	PT-SHI-MB-SI-RS	5Y8/4		CHIP	130	1.01	50	6.1
FERNIE	BFP CGL	0.20	LS	PT-MB-FI-SIL-RS		N4	GRAB		1.39	30	6.0
FERNIE	BFP CGL	0.10	CGL	PP-PE-CH-MG-R-FI			GRAB	167	2.38	40	11.3
FERNIE	BFP CGL	0.90	SS	PT-FG-CAL-R	5Y6/1	5Y2/1	CHIP	124	1.62	50	5.5
FERNIE	SINEM	0.50	LS	MB	N7	N4					
FERNIE	SINEM	1.00	SH	PL-VTH-PX-REC-SI	5Y2/1	5Y2/1	GRAB	130	0.64	50	4.9
WHITE		1.00	DOL	MB-MCRX	5Y7/2			90			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 168

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: South Sulphur River Cabin
 NTS MAPSHEET: 83E10W

LATITUDE/LONGITUDE-PRESENT: 53 3400 118 5000
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 500 119 2300
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	7.00	SH	SII-FS-TH-REC	N3		CHIP	140	0.25	70	26.9
FERNIE	PAPER SH	12.00	SH	SII-E-BM-FL-NC	N3		CHIP	160	0.23	80	37.1
FERNIE	FOB	1.00	SH	FI-SII-VTH-E-REC	N3			160			
WHITE	WINNIFRED	2.00	SS	MG-CG-TKB-R	5Y7/2			64			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 169

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Kvass Creek-North
 NTS MAPSHEET: 83E11E

LATITUDE/LONGITUDE-PRESENT: 53 4175 119 1200
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1400 119 4500
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	3.00	SH	FS-NC-REC	N4						
FERNIE	PAPER SH	3.00	COVRD	REC							
FERNIE	PAPER SH	3.00	SH	LSI-FS-MB-REC	5Y2/1		GRAB	150	0.09	50	7.6
FERNIE	PAPER SH	0.80	SH	LSI-FS-TH-REC	5Y2/1	5Y2/1	CHIP	255	0.35	100	12.4
FERNIE	PAPER SH	0.90	LS	MB-R	5Y7/2	N4		150			
FERNIE	SINM/PLIEN	0.20	SH	PI-FS-PL-REC	N4		CHIP	625	1.02	430	20.8
FERNIE	SINM/PLIEN	0.50	SH	PI-PL-VTH-E-CAL	N4	N4	CHIP	310	1.46	320	20.5
FERNIE	SINEM	3.70	SH	PL-VTH-CAL-E-REC	N4	N4	CHIP	220	0.50	310	9.8
FERNIE	SINEM	1.50	SH	SSI-FS-TH-REC			CHIP	300	0.32	990	26.9
FERNIE	NMLSP	1.50	SH	PI-LSI-PL-CAL	N8	5Y6/1	CHIP	380	2.30	880	37.1
WHITE		1.00	DOL	MCRX-R				100			

FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 177

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Mumm Creek
NTS MAPSHEET: 83E8E

LATITUDE/LONGITUDE-PRESENT: 53 2950 118 1075
LATITUDE/LONGITUDE-PALINSPASTIC: 53 2200 118 2400
DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	NMLSP	0.90	LS	PT-FI-SHI-VTH-BE	5Y4/1	N4	CHIP	270	1.87	200	34.7
FERNIE	NMLSP	0.40	SH	PT-SI-CAL-FS-FI	10YR2/2	5YR2/1	CHIP	450	1.17	480	48.4
FERNIE	SINM/PLIEN	1.10	SH	LSI-BE-FI-CAL-PL	10YR2/2	5YR2/1	CHIP	240	0.34	430	21.6
FERNIE	SINM/PLIEN	0.40	SH	FI-CAL-PL-LSI	N4	5YR2/1	CHIP	250	0.61	910	36.5
FERNIE	SINM BENT	0.01	BENT	CP		10YR5/4					
FERNIE	SINM/PLIEN	0.40	SH	CAL-PL-FS-LSI-Z	10YR4/2	5Y2/1	GRAB	250	0.17	830	15.6
FERNIE	SINM/PLIEN	0.15	SH	PI-PL-NC	5Y2/1	N1	CHIP	420	1.06	5420	54.6
FERNIE	SINM BENT	0.01	BENT	CP		10YR5/4		420			
WHITE		1.30	DOL	MCRX-VTH-TH-VI	10YR8/2	N5		64			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 179

LATITUDE/LONGITUDE-PRESENT: 53 2100 117 5850
 LATITUDE/LONGITUDE-PALINSPASTIC: 53 1500 118 900
 DATUM USED: +WHHO

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: West Fork-Soloman Creek
 NTS MAPSHEET: 83F5W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATO	6.00	SS	MG-CG-HEM-SHI-PL	5R2/6		CHIP		0.19	80	4.1
FERNIE	RX.CK LATO	3.00	COVRD	REC							
FERNIE	RX.CK LATO	6.00	SH	SI-PL-FS-HEM	5R2/6		CHIP		0.29	130	7.5
FERNIE		13.00	COVRD	REC							
FERNIE	PAPER SH	0.50	SH	VTH-PL-CAL	5Y4/1		CHIP		0.39	100	
FERNIE	PAPER SH	0.50	SH	SII-CAL-PL			CHIP		0.42	780	
FERNIE	PAPER SH	0.50	SH	SII-CAL-PL			CHIP	1	0.06	350	
FERNIE	PAPER SH	0.50	SH	SI-FS	10YR4/2	5Y2/1	CHIP		0.46	2180	
WHITE		2.00	DOL	D							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 182

REFERENCE: Telfer-1933

LOCALITY NAME: Luscar Mountain

NTS MAPSHEET: 83F3W

LATITUDE/LONGITUDE-PRESENT: 53 250 117 2675

LATITUDE/LONGITUDE-PALINSPASTIC: 52 4800 117 5200

DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	1.00	SH	REC-J							
FERNIE	NORDG	16.80	CHT	HAK-R							
FERNIE	NMLSP	2.49	SH	REC							
FERNIE	BFP CGL	0.09	CGL	PC-CH-REC			GRAB		11.60		
FERNIE	SINEM	0.30	CHT	LSI-REC							
WHITE		1.00									

REFERENCE: Frebold-1957
 LOCALITY NAME: Fiddle River
 NTS MAPSHEET: 83F4W

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 183

LATITUDE/LONGITUDE-PRESENT: 53 1050 117 5100
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5800 118 900
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	30.00	COVRD								
FERNIE	PAPER SH	2.00	SH	CAL-LSI-PL-TH	N4	N1	GRAB	200	0.33	250	12.3
FERNIE	SINM/PLIEN	9.00	SH	CAL-LSI-FX-PL		N1	GRAB	150	0.33	250	12.3
FERNIE	SINM/PLIEN	0.50	COVRD	REC							
FERNIE	SINM/PLIEN	2.00	LS	MB-SHI-FI-FX	N1	N4	GRAB	330	0.60	220	27.2
FERNIE	NMLSP	3.00	SH	PT-PX			GRAB	220	1.84	180	71.9
WHITE		1.00	DOL	FX-MB	10YR7/4	N3		60			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 188

LATITUDE/LONGITUDE-PRESENT: 53 375 117 5950
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 3600 118 4000
 DATUM USED: +WHHO

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Emir Mountain
 NTS MAPSHEET: 83F4W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	NORDG	1.50	MDST	TH-Z-REC-CAL	5Y6/1	N1	CHIP	430	0.13	810	27.9
FERNIE	NORDG	1.50	MDST	SHI-FS-BM-TH-REC	5Y6/1	N1	CHIP	570	0.15	710	36.8
FERNIE	NORDG	1.00	SLTST	MSI-REC-Z	5Y6/1	N4	CHIP	525	0.23	650	23.4
FERNIE	BFP CGL	0.40	SLTST	PT-CW-REC-TH		N4	CHIP		3.03	530	48.5
FERNIE	BFP CGL	0.10	CGL	PB-FG-MG-R	5Y6/1		GRAB	1200	7.60	70	113.0
WHITE		1.00	DOL	MB-TKB-FX-R							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 190

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Fiddle River-South
 NTS MAPSHEET: 83F4W
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

LATITUDE/LONGITUDE-PRESENT: 53 925 117 4800
 LATITUDE/LONGITUDE-PALINSPASTIC: 52 5600 118 800
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK SST	2.00	SS								
FERNIE	TOAR PHOS	0.10	SH	PT-P-RW		N4	GRAB	220	22.30	800	30.3
FERNIE	PAPER SH	0.01	SS	CAL-FX-TT-PD	N4	N1	GRAB	700	0.04	230	2.0
FERNIE	PAPER SH	9.50	LS	BE-PL-MCRX-SHI	5Y4/1	N4	GRAB	170	0.27	200	9.4
FERNIE	PAPER SH	3.00	COVRD								
FERNIE	NMLSP	0.50	BRCH	PT-RS			GRAB		1.00	20	3.7
FERNIE	NORDG	3.00	LS	CH-HZB	5Y7/2	N1					
FERNIE	NMLSP	1.00	LS	SHI-Z			CHIP	360	0.96	380	24.7
FERNIE	L.SINM/BEN	0.10	BENT	REC			CHIP	360	0.96	380	24.7
FERNIE	NMLSP	0.60	LS	SHI-Z			CHIP	360	0.96	380	24.7
FERNIE	L.SINM/BEN	0.02	SLTST	REC							
FERNIE	NMLSP	0.20	SLTST	PQ-R			CHIP	925	3.50	600	144.0
FERNIE	NMLSP	0.01	BENT	REC			CHIP	925	3.50	600	144.0
FERNIE	NMLSP	0.08	SH	PI-REC	N1	N1	CHIP	925	3.50	600	144.0
FERNIE	NMLSP	0.01	BENT	REC			CHIP	925	3.50	600	144.0
FERNIE	NMLSP	1.15	SH	LSI-SI-CAL	N1	N1	CHIP	550	0.75	900	53.5
FERNIE	NMLSP	1.25	SH	LSI-CAL-FS	N1	N1	CHIP	550	0.64	1030	45.9
FERNIE	BFP CGL	0.02	CGL	PQ-TT-WC			GRAB	390	4.90	140	118.0
WHITE		9.00	DOL	QZC-FXL-TH-WBP	N7			65			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 193

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: White Creek
 NTS MAPSHEET: 82G16W

LATITUDE/LONGITUDE-PRESENT: 49 5900 114 2300
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 5000 115 1500
 DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATO	4.00	SH	FS-IRI-REC	N1	N1		175			
FERNIE	RX.CK LATO	7.50	COVRD	REC							
FERNIE	RX.CK LATO	0.25	LS	R	5Y6/1	N4		120			
FERNIE	RX.CK LATO	1.20	SH	PL-REC	N5			170			
FERNIE	RX.CK LATO	0.50	SH	PL-REC	N5		CHIP	220	0.23	60	7.3
FERNIE	RX.CK LATO	0.70	LS	SI-MB-FI			GRAB	120	0.16	60	1.5
FERNIE	FRCLP	0.20	SS	PN-FG-GL-P-R			GRAB	170	0.22	90	2.1
FERNIE	RX.CK LATO	4.50	SH	FI-VTH-R			CHIP	150	0.16	90	4.3
FERNIE	BFP CGL	0.40	SLTST	P00-Z-R	N6		CHIP	170	1.30	80	6.2
FERNIE	BFP CGL	0.25	SS	P00-FG-MG-R-CAL	N6		CHIP	160	2.20	30	5.9
SULFM		1.00	SLTST	VTH-TH-REC							

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Oldman River Gap
 NTS MAPSHEET: 82G16W

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 196

LATITUDE/LONGITUDE-PRESENT: 49 5175 114 2100
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 4400 115 1200
 DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK BENT	0.15	BENT	REC							
FERNIE	RX.CK LATO	0.60	LS	M-BE-R							
FERNIE	FRCUP	0.40	SS	PP-BE-R							
FERNIE	RX.CK SST	19.81	SS	PL-FG-CS-RS			GRAB	4.30			
FERNIE	PAPER SH	10.67	SH	CAL-REC							
FERNIE	BFP CGL	0.70	SS	PN-CAL-FI-TKB-MG			CHIP	0.83		40	
TUNNEL		3.00	SS	M-FG-MG-R							5.6

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 197

LATITUDE/LONGITUDE-PRESENT: 49 4475 114 2250
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 3600 115 1300
 DATUM USED: +RYMT

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Daisy Creek Summit
 NTS MAPSHEET: 82G9W
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

FORMATION STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE PASSAGE BE	10.00	SS	SHI-PL-MB-MG-XB	10YR6/6		GRAB	55	0.34	50	2.4
FERNIE PASSAGE BE	10.00	SH	SSI-FS-TH-REC	N4		GRAB	65	0.24	90	2.9
FERNIE PASSAGE BE	10.00	SH	SSI-REC	N4		GRAB	65	0.28	90	3.3
FERNIE PASSAGE BE	13.00	SH	FS-REC	N3		GRAB	65	0.21	110	3.8
FERNIE GREEN BEDS	10.00	SH	IRC-CAL-SI-BE-RS	5B7/1		GRAB	60	0.13	60	1.8
FERNIE GREY BEDS	8.50	SH	CON-REC	N4		GRAB	65	0.24	90	5.5
FERNIE CORB BEDS	3.20	SH	LSI-SI-CAL-FI-BE	10YR7/4		GRAB	75	0.20	50	2.0
FERNIE CORB BEDS	3.20	SH	SSI-CAL-PL-VTH	10YR6/6		GRAB	70	0.37	40	3.4
FERNIE GREY BEDS	43.00	SH	FS-CON-REC	N6		GRAB	80	0.19	120	2.8
FERNIE	43.00	COVRD	J							
FERNIE RX.CK SST	8.00	SS	PL-VTH-FG-MG-R	5Y6/1		GRAB	60	0.40	20	1.6
FERNIE PAPER SH	14.00	SH	PL-VTH-CON-CAL	N4		GRAB	70	0.33	180	5.9
FERNIE PAPER SH	3.00	SH	PX-FS-PL-CAL-REC	N3		GRAB	135	0.82	390	15.8
FERNIE PAPER SH	0.30	SH	SI-BE-FS							
FERNIE PAPER SH	5.70	SH	SI-CAL-PL-UTH-SF	5Y2/1		GRAB	140	0.32	210	
FERNIE BFP CGL	0.40	SS	PN-PDO-MG-CG-RS			GRAB	210	3.54	30	
TUNNEL	1.00	SS	R							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 202

LATITUDE/LONGITUDE-PRESENT: 49 3725 114 2050
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 2800 115 1100
 DATUM USED: +RYMT

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Rock Creek Summit
 NTS MAPSHEET: 82G9W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATO	10.00	SH	LSI-Y-FS-REC	N5			117			
FERNIE	RX.CK LATO	5.00	SH	FS-CIC-PO-LSIY	N5		GRAB	95	0.22	150	2.4
FERNIE	RX.CK LATO	5.00	SH	CON-YS-BE-G-REC	5Y2/1	N3	GRAB	135	0.19	150	3.9
FERNIE	RX.CK LATO	5.00	SH	CON-FS-REC	5Y2/1	N3	GRAB	130	0.60	160	10.0
FERNIE	RX.CK LATO	5.00	SH	PX-SH							
FERNIE	RX.CK LATO	5.00	SH	CON-FS-REC	5Y2/1	N3					
FERNIE	RX.CK SST	15.00	SS	TH-MB-FG-MG-R	5Y6/1			94			
FERNIE	PAPER SH	10.00	SH	PL-CON-REC	N3		GRAB	145	0.28	280	5.6
FERNIE	PAPER SH	9.00	SH	FS-FI-REC-CAL	5YR2/1		GRAB	150	0.35	180	9.3
FERNIE	BFP CGL	0.30	SS	PN-PQ-CAL-MG-R	5Y4/1	N3	CHIP	210	8.80	80	40.1
KANASK		1.00	SS	Z-M-R	5Y6/1		NOD				

FERNIE GROUP SECTIONS

STRATIGRAPHIC SECTION: 205

REFERENCE: Alberta Geological Survey

LOCALITY NAME: Crow Mine

NTS MAPSHEET: 82G10E

LATITUDE/LONGITUDE-PRESENT: 49 3975 114 4200

LATITUDE/LONGITUDE-PALINSPASTIC: 49 3500 115 5200

DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	FRCLP	1.00	SS	PP-MG-TKB-BE-CGL	5Y6/4	5Y6/1	CHIP	130	2.70	60	4.2
FERNIE	PAPER SH	1.00	SH	PL-REC	10YR6/2	10YR6/2	CHIP	120	0.41	80	2.5
FERNIE	PAPER SH	37.00	SH	REC							
FERNIE	BENT	0.02	BENT	REC							
FERNIE	BFP PELL	0.36	PHOS	PN-P00-REC			GRAB		19.60		
FERNIE	BFP PELL	0.18	SH	PI-REC			GRAB		4.60		
FERNIE	BFP PELL	0.82	PHOS	P00-REC			GRAB		24.90		
FERNIE	BFP PELL	0.06	PHOS	P00-REC-MR			GRAB		16.70		
SULFM		1.00	SLTST	D-RS							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 207

LATITUDE/LONGITUDE-PRESENT: 49 3250 115 1100
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 3400 117 2300
 DATUM USED: +SULM

REFERENCE: Kenny-1977
 LOCALITY NAME: Lizard Creek
 NTS MAPSHEET: 82G6W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		1.00	SH	REC							
FERNIE	BFP PELL	1.20	PHOS	PQ-REC			GRAB	14.30			
FERNIE	BFP PELL	0.24	SH	PQ-REC			GRAB	10.90			
FERNIE	BFP PELL	0.45	SH	PI-REC			GRAB	1.60			
FERNIE	BFP PELL	0.52	PHOS	PQ-REC			GRAB	10.90			
FERNIE	BFP PELL	0.70	PHOS	PQ-REC			GRAB	24.20			
SULFM		1.00	SLTST	D-RS							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 208

REFERENCE: Telfer-1933
 LOCALITY NAME: Flathead River
 NTS MAPSHEET: 82G7E

LATITUDE/LONGITUDE-PRESENT: 49 2200 114 4200
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 1100 115 4800
 DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	FRCLP	0.30	SS	PP-R			GRAB				
FERNIE	FRCLP	0.76	LS	POO-RS			GRAB	10.10			
FERNIE	FRCLP	0.85	LS	POO-RS			GRAB	7.70			
FERNIE	PAPER SH	70.80	SH	REC			GRAB	1.60			
FERNIE	BFP CGL	1.10	PHOS	RS							
SULFM		1.00	SLTST	REC-D							

FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 215

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Grassy Mountain
NTS MAPSHEET: 82G9W

LATITUDE/LONGITUDE-PRESENT: 49 4025 114 2500
LATITUDE/LONGITUDE-PALINSPASTIC: 49 3200 115 1600
DATUM USED: +RYMT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
KOOT		3.00	COAL	TKB-RS	N4			72			
KOOT		23.70	SS	MB-TKB-XB-CAR-R	10YR6/6	N6	GRAB	70	0.24	70	1.6
FERNIE	PASSAGE BE	7.50	SH	SSI-RS	N4		GRAB	109	0.31	100	2.9
FERNIE	PASSAGE BE	22.50	SH	SSI-TH-PL-FS-XB	5Y6/1	N3	GRAB	130	0.29	130	3.1
FERNIE		53.00	COVRD								
FERNIE	CORB BEDS	1.50	SS	CAL-MB-FG-FI-RS	10YR6/6	N6	GRAB	80	0.50	60	1.7
FERNIE	CORB BEDS	1.50	SS	SHI-Y-CAL-PX	10YR6/6	N6					
FERNIE	CORB BEDS	9.00	SH	SSIIY-PL-CAL-FI	5Y6/4		GRAB	120	0.44	60	3.8
FERNIE	CORB BEDS	30.00	SH	FS-IRI-Y-CON-REC	5Y6/1	5Y4/1	GRAB	140	0.28	100	3.5
FERNIE	GREY BEDS	4.00	SS	MB-TKB-SHI-Y-FI	10YR6/6	N6		102			
FERNIE	GREY BEDS	12.00	SH	PL-SSI-Y-FI-REC				115			
FERNIE	RX.CK LATO	55.00	COVRD	REC							
FERNIE	RX.CK SST	0.50	SLTST	PX							
FERNIE	RX.CK SST	1.00	SS	CAL-FI-TKB-CGL-R			GRAB		0.60	100	1.2
FERNIE	RX.CK SST	5.00	SS	TH-MB-NC-V-R			GRAB	102	0.23	20	2.3
FERNIE	RX.CK SST	25.50	SS	J							
FERNIE	BFP CGL	0.15	CGL	CH-PE							
FERNIE	TUNNEL	1.00	SLTST	REC							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 216

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Crowsnest Pass
 NTS MAPSHEET: 82G10E

LATITUDE/LONGITUDE-PRESENT: 49 3725 114 4150
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 3300 115 5000
 DATUM USED:

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		0.00	COVRD								
FERNIE		0.00	COVRD								
FERNIE	PAPER SH	0.50	SH	LSI-Z-YS-PL-REC	N4	N4	GRAB	210	0.33	300	11.0
FERNIE	PAPER SH	0.50	LS	SHI-YS-PL-REC	N4	N4	GRAB	210	0.15	110	4.6

FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 217

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Adanac Mine
NTS MAPSHEET: 82G8W

LATITUDE/LONGITUDE-PRESENT: 49 2950 114 2450
LATITUDE/LONGITUDE-PALINSPASTIC: 49 2000 115 1500
DATUM USED: -KOOT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
KOOT		1.00	SS	R							
FERNIE	PASSAGE BE	7.50	SS	TKB-SHI-XB-RS	10YR7/4	10YR6/2	GRAB	94	0.29	60	2.1
FERNIE	PASSAGE BE	14.50	SH	SSI-VTH-FS-XB-MB	N3		GRAB	107	0.18	110	3.1
FERNIE	PASSAGE BE	8.00	SH	SSI-TH-FS-REC	N3		GRAB	125	0.26	130	2.9
FERNIE	PASSAGE BE	10.00	COVRD	REC							
FERNIE	GREEN BEDS	10.00	SH	FS-PL-CON-PX-REC	5Y6/1		GRAB	105	0.43	70	2.7
FERNIE	GREEN BEDS	1.00	IRST	MB-RS							
FERNIE	CORB BEDS	1.50	LS	AR-MB-FI-BE-RS	10YR7/4	5Y4/1	GRAB	54	0.10	110	0.7
FERNIE	CORB BEDS	7.50	SH	FS-CON-REC	5Y6/1		GRAB	85	0.29	130	2.0
FERNIE	CORB BEDS	20.00	COVRD	REC							
FERNIE	CORB BEDS	1.00	SH	FS-REC	5Y6/1						
FERNIE	CORB BEDS	2.00	SS	CAL-LSI-Y-FI-SLK	10YR6/6	N4	GRAB	70	0.44	360	1.3
FERNIE	CORB BEDS	2.00	SH	FS-REC	5Y6/1						
FERNIE	GREY BEDS	49.70	COVRD	J							
FERNIE	GREY BEDS	7.00	SH	PL-PX-CON-REC	5Y4/1		GRAB	138	0.35	300	4.9
FERNIE	RX.CK LATO	5.00	SH	PL-FS-REC	5Y4/1		GRAB	132	0.30	470	5.6
FERNIE	RX.CK LATO	5.00	SH	PL-FS-REC	5Y4/1		GRAB	140	0.33	390	6.1
FERNIE	RX.CK LATO	1.00	COVRD								
FERNIE	RX.CK SST	26.00	COVRD	J							
FERNIE	PAPER SH	4.00	SH	PL-FS-REC	N4		GRAB		0.41	100	3.3
FERNIE	PAPER SH	3.00	COVRD								
FERNIE	BFP CGL	2.00	SH	PI-PX-FS-REC	N4	N4	GRAB		2.60	320	39.7
FERNIE	BFP CGL	0.20	SS	PN-PC-MG-RS	10YR6/2	10YR2/2	CHIP	326	6.20	100	30.6
RUNDLE		1.00	SLTST		N3	5Y6/1					

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 218

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Barnes Lake
 NTS MAPSHEET: 82G7E

LATITUDE/LONGITUDE-PRESENT: 49 2775 114 4200
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 2100 115 5000
 DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	BENT	0.03	BENT								
FERNIE	BFP PELL	0.27	PHOS	PN			CHIP	17.60			
FERNIE	BFP PELL	0.24	SH	PI-REC			CHIP	7.90			
FERNIE	BFP PELL	0.09	PHOS	P00			CHIP	19.90			
FERNIE	BFP PELL	1.00	SH	FS-REC	N4		GRAB	150	0.76	180	5.8
FERNIE	BFP PELL	0.80	SH	PI-FS-REC	N4	N4	CHIP	200	5.10	150	13.3
FERNIE	BFP PELL	0.25	PHOS	P00-PL-TH-REC	N4	N4	CHIP	301	22.60	50	25.9
FERNIE	BFP PELL	0.15	PHOS	P00-MG-CP-REC	N4	N4	CHIP	506	18.70	60	24.7
FERNIE	BFP PELL	0.10	SH	P00-REC	10YR7/4		CHIP	559	13.50	40	29.1
SULFM		1.00	SLTST	VTH-MB-RS	10YR6/2						

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 220

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Lodgepole Creek
 NTS MAPSHEET: 82G7E

LATITUDE/LONGITUDE-PRESENT: 49 1900 114 5550
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 600 116

DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		1.00	COVRD								
FERNIE	FRCLP	1.00	LS	PQ-POO-MB-CAL-FI	10YR7/4		GRAB	190	6.10	110	13.9
FERNIE		21.00	COVRD	J							
FERNIE	BFP PELL	1.50	SH	PI-SI-REC	5Y2/1		CHIP	310	1.10	180	12.3
FERNIE	BFP PELL	0.45	PHOS	POO-PN-R-SI	N4	N4	CHIP	540	11.10	100	30.8
FERNIE	BFP PELL	0.30	SLTST	PP-Z-VTH-TH-CAL			CHIP	370	3.20	80	7.0
FERNIE	BFP PELL	0.60	SH	PP-SI-PL-CAL-REC	5Y2/1	5Y2/1	CHIP	300	4.30	70	8.7
FERNIE	BFP PELL	0.28	SH	PI-SI-PL-CAL-REC	5Y2/1	5Y2/1	CHIP	600	5.40	100	9.7
FERNIE	BFP PELL	0.32	PHOS	POO-FG-R-P	N4	N4	CHIP	940	18.20	90	66.8
SULFM		1.00	SLTST	MD-V							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 223

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Fording River
 NTS MAPSHEET: 82G15W

LATITUDE/LONGITUDE-PRESENT: 49 5450 114 5075
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 4900 116
 DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	BENT BEDS	3.00	LS	PT-FS-TH-CAL-SHI	N4	N4	CHIP	150	1.80	150	8.6
FERNIE	BENT BEDS	0.70	COVRD								
FERNIE	BFP PELL	0.23	SH	P00-PI-PL-TH			CHIP	330	2.90	100	9.3
FERNIE	BFP PELL	0.15	PHOS	P00-CAL-R			CHIP	400	3.90	50	20.7
FERNIE	BFP PELL	0.03	PHOS	P00-Z-REC			CHIP	400	3.90	50	20.7
FERNIE	BFP PELL	0.25	PHOS	P00-R-CAL	N4	N4	CHIP	400	3.90	50	20.7
FERNIE	BFP PELL	0.40	PHOS	P00-REC-CAL	N4	N4	CHIP	420	16.70	80	50.6
FERNIE	BFP PELL	0.50	SH	PI-FS-PL-CAL-REC	N4	N4	CHIP	350	2.30	150	24.5
FERNIE	BFP PELL	0.53	PHOS	P00-CP-OX-REC			CHIP	450	15.10	70	32.5
SULFM		1.00	SLTST	MB-TKB		10R3/4 5Y6/1					

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 224

LATITUDE/LONGITUDE-PRESENT: 49 3925 114 4400
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 3500 115 5300
 DATUM USED: +SULM

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Highway 3-Roadcut
 NTS MAPSHEET: 82G10E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	10.50	SH	LSI-PL-MB-REC	N4		CHIP	180	0.32	300	11.7
FERNIE	BENT BEDS	3.00	SH	LSI-CAL-PL-MB	N4	N4	CHIP	200	0.26	120	8.7
FERNIE	BFP PELL	0.20	SS	POO-PN-IRC-CB-R	N4	N4	CHIP	330	6.80	50	34.8
FERNIE	BFP PELL	0.50	MDST	MB-CAL	5Y6/1	N4		160			
FERNIE	BFP PELL	0.30	SH	PI-POO-SI-MB	N4	N4	CHIP	230	3.70	70	11.0
FERNIE	BFP PELL	0.55	PHOS	POO-PN-CAL-FS-MB	N1	N1	CHIP	500	26.70	30	35.3
FERNIE	BFP PELL	0.22	PHOS	POO-PQ-CAL-R	N1	N1	CHIP	450	27.60	60	44.6
FERNIE	BFP PELL	0.28	PHOS	POO-CB-IRC-REC	N1	N1	CHIP	350	18.60	40	12.0
SULFM		0.65	SH	SI-PL-REC	N4	N4	GRAB	175	0.27	70	3.8
SULFM		1.00	SLTST	SHI-D-FS-MB-R-X	N4	N3		150			

FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 245

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Elpoca Mountain
NTS MAPSHEET: 82J11E

LATITUDE/LONGITUDE-PRESENT: 50 3850 115 150
LATITUDE/LONGITUDE-PALINSPASTIC: 50 2700 115 5200
DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	GREY BEDS	32.00	SH	SSI-PL-MB-REC-XB	5Y6/1	5Y4/1	GRAB	125	0.39	40	1.8
FERNIE	GREY BEDS	33.00	COVRD	REC							
FERNIE	RX.CK SST	7.50	SH	SSIIY-FS-PL-REC	N4	N4	CHIP	165	0.46	280	5.3
FERNIE	RX.CK SST	7.50	SH	VTH-FS-SI-E-REC	N4	N4	CHIP	145	0.60	140	4.8
FERNIE	RX.CK SST	1.00	SS	V-NC-BE-R	5YR6/4	N5	CHIP	240	0.25	140	3.5
FERNIE	RX.CK LATO	2.30	SH	PL-FS-SI-REC-BE	5Y4/1	N3	CHIP	125	0.43	80	2.9
FERNIE	RX.CK SST	1.10	SS	MB-TKB-R-BE	10YR4/2	N5	CHIP	125	0.43	80	2.9
FERNIE	FRCLP	4.40	SH	PT-SSIIY-BE-REC	5R3/4		CHIP	155	1.11	120	6.2
FERNIE	PAPER SH	6.00	SH	SI-WI-CAL-E	N3	N3	CHIP	145	0.50	180	3.5
FERNIE	PAPER SH	6.00	LS	SHI-WI-PL-MB-E	N3	10YR2/2	CHIP	180	0.79	260	10.5
FERNIE		0.60	COVRD	REC	N3						
SULFM		18.00	SLTST	D-RS							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 254

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Whiteman Creek
 NTS MAPSHEET: 82J11E

LATITUDE/LONGITUDE-PRESENT: 50 3975 115 450
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2000 116 800
 DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	TOAR PHOS	5.00	LS	SHI-A-MB-PL-FS	N4	N4	GRAB	205	1.87	290	28.2
FERNIE	PAPER SH	0.70	LS	SHI-A-MB-MR-REC	N4	N1	GRAB	450	0.08	370	6.6
FERNIE	SINEM	0.02	BENT	CP		10YR5/4					
FERNIE	SINEM	0.45	SH	CAL-FS-PL	N4	N1	CHIP	525	0.85	740	27.6
FERNIE	SINEM	0.02	BENT	CP		10YR5/4		400			
FERNIE	SINEM	0.25	SH	CAL-FS-PL-SI-REC	N4	10R4/6	GRAB	400	0.65	580	18.2
FERNIE	SINEM	0.50	LS	FX-CH-MR-REC	N3	N4	GRAB	420	0.16	260	5.1
FERNIE	BFP CGL	0.20	CGL	PC-MB-VI-PB-RS	N3	N4	GRAB	420	0.16	260	5.1
SULFM		0.60	DOL	MB-R			CHIP	790	9.94	50	69.4
SULFM		1.00	SLTST	MB-TKB-R							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 256

LATITUDE/LONGITUDE-PRESENT: 50 750 114 2275
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 100 115 1600
 DATUM USED: +RYMT

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Livingstone
 NTS MAPSHEET: 82J1W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	FRCUP	0.00	SS	PN-PC-BE-FI-R			NOD		21.40		
FERNIE	FRCUP	0.30	SS	PN-PC-BE-FI-R					0.20		
FERNIE	RX.CK SST	10.66	SH	REC							
FERNIE	RX.CK SST	0.60	SS	R							
FERNIE	PAPER SH	31.00	SH	REC							
FERNIE		0.20	SLTST	PN-R-UP-CAL			NOD		16.50		
FERNIE	BFP CGL	0.30	SLTST	PT-M-R			CHIP		1.00		
FERNIE	BFP CGL	0.50	SLTST	PT-M-R			CHIP		1.20		
FERNIE	BFP CGL	0.30	SLTST	PT-M-PN			CHIP		1.00		
FERNIE	BFP CGL	1.50	SLTST	PN-PT-M-R			CHIP		2.90		
FERNIE		0.20	SLTST	PN-R-WC			NOD		22.80		
KANASK		1.50	SLTST	N-RS			CHIP		0.80		

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 257

LATITUDE/LONGITUDE-PRESENT: 50 475 114 2000
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 5500 115 1200
 DATUM USED: +RYMT

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Livingstone Range
 NTS MAPSHEET: 82J1W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		1.00	SH	REC							
FERNIE	BFP CGL	0.90	SS	PN-B-R							
PERM-U		1.00	SS	R							

FERNIE GROUP SECTIONS

STRATIGRAPHIC SECTION: 258

LATITUDE/LONGITUDE-PRESENT: 50 1000 114 2450

LATITUDE/LONGITUDE-PALINSPASTIC: 50 300 115 1800

DATUM USED: +RYMT

REFERENCE: Hudson Bay Oil and Gas-1966
 LOCALITY NAME: Mt. Livingstone-North
 NTS MAPSHEET: 82J1W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	BFP CGL	0.45	SS	PN-B-R							
PERM-U		1.00	SS								
FERNIE		1.00	SH	REC							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 261

REFERENCE: Kenny-1977
 LOCALITY NAME: Mt. Bleasde11
 NTS MAPSHEET: 82J7W

LATITUDE/LONGITUDE-PRESENT: 50 2000 114 5700
 LATITUDE/LONGITUDE-PALINSPASTIC: 49 5300 116 4500
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		1.00	SH	REC							
FERNIE	BFP PELL	0.61	PHOS	PQ-REC			GRAB		23.60		
FERNIE	BFP PELL	0.30	SS	PC-CAR			GRAB		2.50		
WHITE		1.00	SLTST	D-RS							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 270

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Trap Creek
 NTS MAPSHEET: 82J7E

LATITUDE/LONGITUDE-PRESENT: 50 2800 114 3500
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 1800 115 500
 DATUM USED: -KOOT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
KOOT		2.00	SS	M-XB	10YR6/6			84			
FERNIE	PASSAGE BE	5.00	SS	SHI-VTH-TH-IRI	10YR2/2		GRAB	110	0.41	90	2.6
FERNIE	PASSAGE BE	11.00	SS	SHI-MG-REC				47			
FERNIE	PASSAGE BE	12.00	SH	FS-SSI-REC	5Y2/1		GRAB	130	0.27	110	2.9
FERNIE	GREY BEDS	10.00	SH	IRIY-FS-REC	N4		GRAB	130	0.28	180	3.2
FERNIE	GREY BEDS	2.00	COVRD	REC							
FERNIE	GREY BEDS	2.00	SH	FS-REC	N4		GRAB	160	0.21	100	1.9
FERNIE	GREY BEDS	2.00	SH	MSC-FS-REC	5Y4/1						
FERNIE		3.00	COVRD	REC	5BG3/2						
FERNIE	GREY BEDS	1.00	SH	FS-VI-REC	5Y4/1						
FERNIE	RX.CK LATO	3.00	COVRD	REC							
FERNIE	RX.CK LATO	7.00	SH	SSIIY-FS-VTH-REC	5Y2/1		GRAB	135	0.33	120	2.5

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 273

LATITUDE/LONGITUDE-PRESENT: 50 4300 114 4350
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 3300 115 1300
 DATUM USED: +MISN

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Volcano Ridge
 NTS MAPSHEET: 82J10E
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	3.00	SH	PL-VTH-REC	N4	N4					
FERNIE	PAPER SH	4.00	SH	LSI-CAL-FI-F-B	N4	N4	CHIP	190	0.48	220	10.0
FERNIE	PAPER SH	2.00	SH	PL-CS-PX-REC	N4	N4	CHIP	150	0.14	120	3.9
FERNIE	BFP CGL	2.00	SS	CAL-TKB-FG-FI	5Y2/1	N3	GRAB	94	0.60	30	2.6
RUNDLE		1.00	COVRD	J							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 275

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Gibraltar Mountain
 NTS MAPSHEET: 82J10W

LATITUDE/LONGITUDE-PRESENT: 50 3575 114 5150
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2100 115 4100
 DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PASSAGE BE	27.73	SS	XB-R							
FERNIE	PASSAGE BE	42.98	SS	SHI-XB-RS							
FERNIE	PASSAGE BE	24.69	SH	AR-SSI-XB-VTH							
FERNIE	GREY BEDS	20.00	SH	FS-SSI-Y-CON-REC	N4		GRAB		0.40	180	3.3
FERNIE	GREY BEDS	28.00	SH	SSI-Y-VTH-REC							
FERNIE		0.50	SS	FG-MG-R	5BG3/2						
FERNIE	GREY BEDS	0.80	SS	PL-Z-RS							
FERNIE	GREY BEDS	0.50	SS	FG-R							
FERNIE	GREY BEDS	40.00	SH	CON-REC	5Y4/1						
FERNIE	GREY BEDS	25.00	SH	SSI-Y-CAL-BE-REC	5Y4/1		GRAB		0.16	100	3.7
FERNIE	RX.CK LATO	20.00	SH	FS-BE-REC	N3						
FERNIE	RX.CK SST	1.21	SLTST	CAL-FI-BE							
FERNIE	RX.CK SST	9.00	SLTST	BE-GL-REC			GRAB		0.14	80	1.0
FERNIE	FRCLP	0.45	SS	PN-P-BE-RS							
FERNIE	RX.CK SST	5.00	SS	MG-VTH-CAL-BE-R			GRAB		0.16	10	1.0
FERNIE	PAPER SH	3.00	SH	FS-LSI-CAL-REC	N1						
FERNIE	PAPER SH	0.10	LS	FI-SI-R	N3		GRAB		0.05	150	3.5
FERNIE	PAPER SH	5.67	SH	FS-LSI-CAL-REC							
FERNIE	PAPER SH	1.00	LS	SHI-FX-Z-REC			GRAB		0.07	30	1.7
FERNIE	PAPER SH	1.00	SH	FS-LSI-CAL-REC							
SULFM		1.00	SLTST	RS							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 279

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Tombstone Mountain
 NTS MAPSHEET: 82J10W

LATITUDE/LONGITUDE-PRESENT: 50 4150 114 5850
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 2600 115 4700
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	2.00	LS	VTH-SHI-CAL-REC	5Y2/1	N4		160			
FERNIE	PAPER SH	0.30	LS	Z-SHI-REC	5Y2/1	N4		200			
FERNIE	PAPER SH	2.00	LS	Z-SHI-REC-BM	5Y2/1	N4	CHIP	175	0.21	60	8.4
FERNIE	PAPER SH	0.50	LS	Z-MB	5Y6/1	N4	CHIP	150	0.21	60	8.4
FERNIE		2.00	COVRD	J							
SULFM		1.00	SLTST	J							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 282

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mist Mountain
 NTS MAPSHEET: 82J10W

LATITUDE/LONGITUDE-PRESENT: 50 3325 114 5575
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 1400 115 5800
 DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATO	15.00	SH	FS-LSIY-REC	N1	N1	CHIP	150	0.30	150	4.7
FERNIE	RX.CK LATO	13.50	SH	FS-PL-BE-REC-NC	10YR6/6	N4	CHIP	190	0.34	90	5.5
FERNIE	PAPER SH	5.20	SH	FS-LSIY-BE-CAL			CHIP	200	0.37	170	8.6
FERNIE	PAPER SH	1.70	COVRD	REC							
FERNIE	BFP CGL	0.80	SS	PC-PL-QZC-CGL-R		10YR4/2	GRAB	343	2.10	30	11.6
FERNIE	BFP CGL	0.30	SS	PQ-PL-VTH-SHIY-R		10YR4/2	CHIP	480	6.50	40	49.3
FERNIE	BFP CGL	2.50	SS	V-NC-E-R-MB	5Y6/1	N4	GRAB	200	0.39	30	2.0
SULFM		1.00	SLTST	MB-VTH-RP-REC							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 283

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Canyon Creek
 NTS MAPSHEET: 82J15W

LATITUDE/LONGITUDE-PRESENT: 50 5425 114 4550
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 3900 115 2000
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
KOOT		10.00	SS	M-R							
FERNIE	PASSAGE BE	14.00	SS	SHI-PL-VTH-XB	10YR7/4		GRAB	92	0.24	100	2.4
FERNIE	PASSAGE BE	3.00	COVRD	REC							
FERNIE	PASSAGE BE	2.00	SH	FS-PL-REC	N5		GRAB	135	0.27	160	3.0
FERNIE	PASSAGE BE	3.00	SH	SSIIY-FS-VTH-REC	N3			130			
FERNIE	RX.CK SST	7.50	SH	FS-REC	5Y6/1		GRAB	130	0.22	170	3.3
FERNIE	RX.CK SST	0.30	SH	SSI-BE-REC-R							
FERNIE	RX.CK SST	0.70	SH	FS-REC	5Y6/1						
FERNIE	RX.CK SST	0.30	SLTST	R							
FERNIE	RX.CK SST	7.50	SH	FS-BE-REC	5Y6/1		GRAB	130	0.19	160	3.9
FERNIE	FRCLP	0.40	SS	R							
FERNIE	RX.CK BENT	0.20	BENT	BE-REC		5Y6/1	GRAB	260	0.36	140	6.5
FERNIE	FRCLP	0.70	SS	PQ-BE-MG-RS			GRAB	130	3.20	50	9.6
FERNIE	RX.CK SST	0.50	SLTST	R							
FERNIE	PAPER SH	6.00	SH	FS-E-LSI	5Y4/1	N3	CHIP	130	0.18	100	2.9
FERNIE	PAPER SH	1.00	SH	REC-FS	N3	N3	GRAB	170	0.18	110	
FERNIE	PAPER SH	2.00	COVRD	REC							
FERNIE	BFP CGL	0.50	CGL	PC-CH-D-RS			GRAB	84	0.73	20	
RUNDLE		0.10	DOL	FX-R	5YR8/1			50			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 286

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Evans-Thomas Creek
 NTS MAPSHEET: 82J14E

LATITUDE/LONGITUDE-PRESENT: 50 5175 115 650
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 3700 115 5800
 DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (GPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PASSAGE BE	10.00	SS	SHI-RS							
FERNIE	OXFORD BED	15.00	SH	IRIY-REC	N4	N4					
FERNIE	RX.CK LATO	4.00	SH	LSC-FS-REC	N4	N4		140			
FERNIE	RX.CK LATO	18.00	SH	FS-NC-REC	N4	N4	CHIP	170	0.25	160	4.1
FERNIE	RX.CK SST	3.00	SS	MB-TKB-FG-CAL-FI	10YR7/4	N3	GRAB	160	0.18	90	1.2
FERNIE	RX.CK LATO	5.00	SH	SII-FS-TH-RS-CW	5Y4/1	N4	CHIP	130	0.23	70	2.4
FERNIE	RX.CK LATO	9.00	SH	FS-VTH-NC-REC	N4	N4	CHIP	180	0.18	90	4.6
FERNIE	FRCLP	0.40	SS	P00-PN-BE-FG-NC	5Y8/1	N1	GRAB	200	2.88	30	4.8
FERNIE	FRCLP	0.80	SH	PL-NC-REC	N3	N4	CHIP	180	0.50	80	4.1
FERNIE	FRCLP	0.20	SS	P00-FG-BE-NC-RS	5Y8/1	N4	GRAB	210	3.20	30	4.9
FERNIE	PAPER SH	4.50	SH	PL-FS-REC	N7	N4	CHIP	170	0.30	120	7.3
FERNIE	PAPER SH	0.30	LS	FX-RS	N7	N4		170			
FERNIE	PAPER SH	1.70	SH	PL-FS-CAL-REC	N3	N4	CHIP	260			
FERNIE	PAPER SH	0.67	SH	PL-FS-REC-CAL	N3	N4	CHIP	325	0.59	450	15.6
FERNIE	TOAR BENT	0.03	BENT	REC	N3	N4	CHIP	325	0.59	450	15.6
FERNIE	SINEM	0.33	SH	PI-PL-CAL-REC	N3	5Y2/1	CHIP	498	1.40	490	17.7
FERNIE	BENT	0.02	BENT	REC			CHIP	498	1.40	490	17.7
FERNIE	SINEM	0.05	SH	PI-PL-CAL-REC	N3	5Y2/1	CHIP	498	1.40	490	17.7
SULFM		1.00	SLTST	PL-TKB-WCO-R	10YR6/2						

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 314

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Ribbon Creek
 NTS MAPSHEET: 82J14E

LATITUDE/LONGITUDE-PRESENT: 50 5600 115 900
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 4000 116 300
 DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK SST	1.00	SS	FI-CAL-TKB	5YR4/4	N4	GRAB		0.89	90	2.1
FERNIE		27.00	COVRD								
FERNIE	PAPER SH	0.39	SH	LSI-FS-PL-VI	N4	N1	CHIP		0.34	100	8.0
FERNIE	SINM BENT	0.80	BENT	CP		10YR5/4					
FERNIE	SINEM	0.70	SH	PT-CAL-SI-PL-VTH	5YR4/1	5YR2/1	CHIP	277	1.10	160	12.4
FERNIE	SINEM	0.60	SH	PT-CAL-PL-FS	N3	N1	CHIP	350	2.07	410	19.9
FERNIE	SINM BENT	0.08	BENT	CP	5YR3/2	5YR4/4		370			
FERNIE	SINEM	0.70	SH	PT-RW-PL-NC	5YR4/4	5YR2/1	GRAB	390	2.25	1920	49.7
SULFM		1.00	SLTST	VTH-FS-D	N7	10YR6/2		100			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 316

REFERENCE: Fربولd-1957

LOCALITY NAME: Stinking Springs

NTS MAPSHEET: 83L4W

LATITUDE/LONGITUDE-PRESENT: 54 1200 119 4900

LATITUDE/LONGITUDE-PALINSPASTIC:

DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PASSAGE BE	78.90	SH	AR-SSI-REC							
FERNIE	RX.CK LATO	102.30	SH	AR-SI-IRC-REC							
FERNIE	NORDG	9.60	LS	FS-SHI-CAL-RS							
WHITE		1.00									

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 323

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Indian Lookout Pass
 NTS MAPSHEET: 82N16E

LATITUDE/LONGITUDE-PRESENT: 51 5566 116 700
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 2900 117 200
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	2.50	SH	E-WI-SI-CAL-REC	N1	N1	GRAB	120	0.11	80	3.6
FERNIE	PAPER SH	0.90	SLTST	TH-PL-F-RS	5Y6/1		CHIP	110	0.37	200	11.3
FERNIE	PAPER SH	0.50	SS	TH-GK-F-SII-FG	5Y6/1		CHIP	110	0.37	200	11.3
FERNIE	PAPER SH	2.20	SH	CAL-PL-FS-SI-F	5YR2/1	N4	CHIP	205	0.52	280	12.6
FERNIE	PAPER SH	1.50	COVRD	PX-REC				130			
FERNIE	PAPER SH	1.50	SH	FI-SI-FS-PL-F	5YR2/1	N4	CHIP	135	0.41	150	8.0
FERNIE	PAPER SH	3.00	SH	PL-WI-VTH-REC	N4	N3	CHIP	150	0.50	20	5.2
FERNIE	BFP PELL	0.40	SH	REC				125			
FERNIE	BFP PELL	0.40	SLTST	POO-REC							
FERNIE	BFP PELL	0.50	SH	REC							
FERNIE	BFP PELL	0.40	SLTST	POO-REC							
		0.00	COVRD								
FERNIE	SINEM	1.00	SH	REC							
WHITE	OLYMPUS	1.00	SS	D-FG-V-XB-MB-R							

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FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 324

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Clearwater River
NTS MAPSHEET: 82014E

LATITUDE/LONGITUDE-PRESENT: 51 5800 115 1500
LATITUDE/LONGITUDE-PALINSPASTIC: 51 5000 115 3600
DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
BLAIRM		3.00	SS	MG-CB-XB-R	N7						
FERNIE	PASSAGE BE	5.00	SS	SHI-IRI-FS-TH	10YR4/2						
FERNIE	PASSAGE BE	5.00	SH	SSI-IRI-PL-FS	N4	N3	CHIP	114	0.20	100	
FERNIE	PASSAGE BE	5.00	SH	SSI-IRI-PL-FS-XB			CHIP	120	0.32	120	
FERNIE	PASSAGE BE	10.00	COVRD	SHI-SLD			CHIP	110	0.25	120	
FERNIE	PASSAGE BE	10.00	COVRD	SLD							
FERNIE	RX.CK SST	5.00	SS	R-FG-MG-NC-PX	5YR5/6	5Y7/2	GRAB	66	0.29	80	
FERNIE	RX.CK SST	5.00	COVRD	SSI-J							
FERNIE		4.00	COVRD	J-REC							
FERNIE	FOB	0.30	SS	P00-FI-FG-MB-TKB	10YR4/2	N1	CHIP	130	6.79	20	8.7
FERNIE	FOB	0.30	LS	AR-FI-MB	10YR2/2	5YR2/1					
FERNIE	NORDG	1.20	LS	MCRX-TKB	N7	N4	CHIP		0.66	20	1.2
FERNIE	NORDG	0.20	LS	VTH-MCRX-Z	N7	N1	CHIP		0.66	20	1.2
FERNIE	NORDG	1.65	LS	FI-MCRX-CH-SR-MB	N6	N1	CHIP		0.66	20	1.2
FERNIE	NORDG	0.30	LS	Z-VTH-TH-FX	N7	N4	CHIP		0.66	20	1.2
FERNIE	NORDG	3.00	LS	FX-TKB-FI	5YR8/1	N4	CHIP		0.66	20	1.2
FERNIE	NORDG	0.50	CHT	TKB							
FERNIE	NORDG	3.00	LS								
FERNIE	NORDG	21.00	LS	TH-TKB			GRAB	50	0.27	20	1.6
FERNIE		3.00	CHT	PT-TH-LSI			GRAB		1.14	70	3.8
FERNIE		0.60	LS	PT-CH-VTH			CHIP	125	1.08	60	4.8
FERNIE	L.SINM/BEN	0.05	BENT	REC				220			
FERNIE	NMLSP	0.15	SLTST	PT-VTH	5YR8/1	10YR5/4	GRAB	230	1.05	120	9.0
FERNIE	BFP CGL	0.05	CGL	PN-PC-PB-HEM			GRAB	240	16.10	50	78.4
RUNDLE		1.00	LS	TKB				50			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 326

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Limestone Mountain South
 NTS MAPSHEET: 82D14W

LATITUDE/LONGITUDE-PRESENT: 51 5400 115 2100
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 4700 115 4300
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		10.00	COVRD								
FERNIE		2.00	LS	PT-MCRX-MB-PX-CH	N4	N4	GRAB	79	1.20	40	1.7
FERNIE		3.00	LS	PL-VTH-Z-REC							
FERNIE		0.50	LS	PT-VTH-Z-SI-REC	N6	N3	GRAB	64	1.10	60	3.3
FERNIE	NORDG	0.50	LS	SI-VTH-CW-REC	5Y4/1	N5	GRAB	62	0.24	10	0.9
FERNIE	NORDG	10.00	SS	CHI-MB-R	5Y6/1						
FERNIE	NORDG	2.00	CHT	NC-TH-R-BM	5Y6/1		GRAB	80	0.60	20	1.1
FERNIE	NORDG	3.00	COVRD	REC							
RUNDLE		2.00	DOL	MCRX-CH-R	N8						

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 327

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Bighorn Creek Falls
 NTS MAPSHEET: 82012E

LATITUDE/LONGITUDE-PRESENT: 51 4450 115 3250
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3000 116 2200
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PLIEN	0.00	COVRD								
FERNIE	RDMP	1.00	LS	PT-Z-SI-CAL-PL	N4	N4	CHIP	135	1.50	100	6.9
FERNIE	RDMP	1.00	LS	SHI-CAL-PL-VTH	N4	N4	CHIP	145	0.20		6.3
FERNIE	RDMP	1.00	LS	PT-SI-PL-VTH-CAL	10YR8/6	N4	CHIP	120	1.00	240	11.2
FERNIE	RDMP	1.00	LS	SI-Z-PL-VTH-CAL	10YR8/6	N4	CHIP	135	0.20		8.4
FERNIE	RDMP	1.00	SLTST	PL-VTH-CAL-SHI	10YR8/6	N4	CHIP	120	0.20		8.9
FERNIE	RDMP	0.20	LS	PP-FI-MB-MCRX-RS	5Y8/4	N3	GRAB		4.10	100	36.9
FERNIE	PLIEN	1.00	SH	LSI-SII-FI-PL-PX	N8	N7	GRAB	130	0.82	240	8.4
FERNIE	PLIEN	1.00	SH	LSI-SII-PX-PL	N8	N7	CHIP	160	0.20		9.6
FERNIE	PLIEN	0.50	SH	SI-PL-FS-REC	N8	N7	CHIP	185	0.75	220	14.7
FERNIE	PLIEN	0.50	LS	VTH-SI-REC	N8	N7	CHIP	185	0.75	220	14.7
FERNIE	U. SINEM	1.30	COVRD	REC							
FERNIE	BFP CGL	0.60	CGL	PN-P-FI-RS	5Y6/1		GRAB	740	2.90	160	38.9

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 333

REFERENCE: Telfer-1933

LOCALITY NAME: Cuthead Creek-Headwaters

NTS MAPSHEET: 8205E

LATITUDE/LONGITUDE-PRESENT: 51 2850 115 4125

LATITUDE/LONGITUDE-PALINSPASTIC: 51 800 116 3400

DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	0.00	SH	REC							
FERNIE	BENT	0.03	BENT	J							
FERNIE	BFP PELL	0.18	PHOS	POO-REC			GRAB	18.50			
FERNIE	BFP PELL	0.12	LS	PT-RS			GRAB	6.20			
FERNIE	BFP CGL	0.18	SH	REC							
FERNIE	BFP CGL	0.12	CGL	PC -RS-CH			GRAB	1.70			
WHITE		1.00		R							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 335

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Sheep Creek
 NTS MAPSHEET: 82011W

LATITUDE/LONGITUDE-PRESENT: 51 3400 115 2600
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 1900 115 5900
 DATUM USED: +WVHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATO	5.00	SH	SSI-Y-PL-VTH-INF							
FERNIE	RX.CK LATO	5.00	SH	FS-SSI-Y-INF-REC	N3	N3	CHIP	160	0.26	150	3.5
FERNIE	RX.CK LATO	10.00	COVRD	REC							
FERNIE	RX.CK LATO	7.50	SH	PL-FS-BE	N3	N1	CHIP	135	0.26	80	6.3
FERNIE	FRCLP	1.70	SS	PT-SHI-FI-TKB-BE	10YR6/6	10YR4/2	CHIP	150	2.20	240	6.9
FERNIE	PAPER SH	7.00	SH	FS-PL-REC	N1	N3	CHIP	140	0.19	110	5.7
FERNIE	PAPER SH	1.50	LS	Z-VTH-REC	N1	N1	GRAB	126	0.09	50	4.9
FERNIE	PAPER SH	3.00	COVRD	REC							
FERNIE	RDMP	3.00	LS	PT-Z-VTH-REC	10YR4/2	N4	CHIP	95	1.00	140	5.9
FERNIE	RDMP	3.00	LS	PT-Z-VTH-REC	10YR4/2	N4	CHIP	85	1.60	80	4.8
FERNIE	PLIEN	1.50	SH	FS-REC	5Y6/4	N4	CHIP	107	0.95	120	3.6
FERNIE	U.SINEM	4.50	LS	SHI-Z-REC-PL-VTH	5Y2/1	N3	CHIP	120	0.87	200	7.5
FERNIE	FOB	3.00	LS	SHI-PL-TH-FI-B	5Y2/1	N3	CHIP	125	0.68	240	12.0
FERNIE	SINEM	2.90	COVRD								
FERNIE	BFP CGL	0.30	SS	PQ-PC-MB-MG-CG-R	N4	N3	CHIP	271	4.20	60	19.5
FERNIE	SULFM	0.00	SLTST								

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 338

REFERENCE: Telfer-1933
 LOCALITY NAME: Snow Pass
 NTS MAPSHEET: 82012W

LATITUDE/LONGITUDE-PRESENT: 51 3600 115 4750
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 1400 116 4000
 DATUM USED: +WJHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	1.00	SH	REC							
FERNIE	BFP CGL	0.09	CGL	PC-CH-RS							
WHITE	OLYMPUS	1.00	SS	R			GRAB	7.70			

FERNIE GROUP SECTIONS

STRATIGRAPHIC SECTION: 339

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Pigeon Creek
 NTS MAPSHEET: 8203W

LATITUDE/LONGITUDE-PRESENT: 51 150 115 1500
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 4400 116 900
 DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK SST	0.61	SS	CAL-R-FG-FI							
FERNIE	RX.CK LATO	3.05	SH	SI-P-FI							
FERNIE	RX.CK LATO	4.26	SH	PL-FS-FI	10R3/4	N4	GRAB		0.16	200	8.3
FERNIE	PAPER SH	1.00	LS	SI-Z-REC	5Y8/4	N4	GRAB	98	0.09	40	2.6
FERNIE	PAPER SH	4.00	SH	SI-CAL-VTH-FS	N3	N4	CHIP	130	0.16	150	6.1
FERNIE	PAPER SH	1.00	SLTST	CAL-TKB-Z-REC	5Y8/1	N4		95			
FERNIE	PAPER SH	5.00	SH	SII-VTH-CAL-FS	N4	N4	CHIP	130	0.20	200	9.6
FERNIE	PAPER SH	7.00	SH	PL-LSI-CAL-REC							
FERNIE	PAPER SH	1.00	LS	CB-FG-Z-BR-RS							
FERNIE	BFP CGL	0.21	CGL	J-NP					15.92		
SULFM		1.00	SLTST	UP-TKB-R							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 346

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: South Ghost River-Headwaters
 NTS MAPSHEET: 8203W

LATITUDE/LONGITUDE-PRESENT: 51 1325 115 1525
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 5700 116 400
 DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PASSAGE BE	5.00	SH	FS	N4			100			
FERNIE	PASSAGE BE	5.00	SS	SHI-Y-TH-MB-RS	10YR6/6			100			
FERNIE	PASSAGE BE	5.00	SH	FS-REC	5Y6/1			100			
FERNIE	PASSAGE BE	5.00	SS	SHI-Y-TH-MB-RS	10YR6/6			100			
FERNIE	GREY BEDS	22.00	SH	FS-AR-REC	5Y6/1			100	0.27	200	3.8
FERNIE	FRCUP	2.00	SS	PQ-FG-BM-RS	5Y6/1		CHIP	160	0.08	20	5.2
FERNIE	RX.CK SST	2.00	SS	SHI-REC	5Y6/1						
FERNIE	BFP CGL	0.80	SS	R	5Y6/1						
FERNIE	RX.CK LATO	20.00	SH	FS-REC	5Y6/1						
FERNIE	PAPER SH	9.00	SH	LSI-Y-PX-FS-REC	N4		GRAB	128	0.16	100	3.5
FERNIE	PAPER SH	3.90	SH	PX-BM-LSI-FI-BE	N4		GRAB	190	0.24	100	4.7
FERNIE	PAPER SH	0.60	SH	PX-MB-LSI-FI-BE	N4		GRAB	135	0.22	70	4.4
SULFM	PHROSO	24.00	SLTST	TH-TKB-D-RS	5Y6/1	N4	GRAB	135	0.22	70	4.4

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 375

LATITUDE/LONGITUDE-PRESENT: 51 3100 115 4325
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 1000 116 3400
 DATUM USED: +WVHO

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Wigmore Creek
 NTS MAPSHEET: 82012E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RDMP	2.00	LS	SHI-TH-MB-REC	N5	N4	CHIP		1.00	510	7.9
FERNIE	PLIEN	1.50	LS	SHI-TH-MB-Z-REC	N5	N4	CHIP		0.66	370	5.9
FERNIE	U.SINEM	0.20	CHT	R			CHIP	190	1.60	280	9.1
FERNIE	U.SINEM	0.90	SH	FS-REC	N3	N3	CHIP	190	1.60	280	9.1
FERNIE	U.SINEM	0.30	LS	TH-MEX-R	N3	N3	CHIP	190	1.60	280	9.1
FERNIE	U.SINEM	0.10	CHT	TH-R	N3		CHIP	190	1.60	280	9.1
FERNIE	BENT	0.15	BENT	MB-REC-MG	5Y8/4						
FERNIE	BFP PELL	0.50	PHOS	POO-MB	N3	N3	CHIP	383	16.10	40	24.5
FERNIE	BFP PELL	0.45	SH	PI-FS	N3	N3	CHIP	400	12.10	64	25.3
FERNIE	BFP PELL	0.30	SS	POO-MG	N3	N3	CHIP	400	12.10	64	25.3
FERNIE	BFP PELL	0.15	SH	PI-FS	N4	N4	CHIP	400	11.30	80	20.2
FERNIE	BFP CGL	0.15	CGL	PN-MG-CG-MB-WC-R		N4	CHIP	250	2.40	20	16.0
FERNIE	BFP CGL	0.60	BRCH	PN-R-MG-CG-Z	5Y7/2		CHIP	212	1.00	20	5.0
WHITE	OLYMPUS	0.30	DOL	R		N3					

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 383

LATITUDE/LONGITUDE-PRESENT: 51 4325 115 5425
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 2200 116 4500
 DATUM USED: +WHHO

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Divide Creek
 NTS MAPSHEET: 82012W

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE		0.00	COVRD	F-REC							
WHITE	OLYMPUS	1.00	LS	QZC-MG-R	N7	5Y6/1	GRAB	102 60	0.22	60	0.9

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 385

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Forbidden Creek-Summit
 NTS MAPSHEET: 82013W
 FORMATION STRATIGRAPHIC THICKNESS LITHOLOGY
 UNIT

LATITUDE/LONGITUDE-PRESENT: 51 4550 115 5300
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 2900 116 4700
 DATUM USED: +WVHO

FORMATION STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE PAPER SH	5.00	SH	FS-VTH-REC	5Y2/1		GRAB	130	0.54	310	7.5
FERNIE PLIEN	3.00	SH	PL-REC	N3	N3	CHIP	235	0.94	500	14.5
FERNIE RDMP	0.70	PHOS	MB-RS	N3	N3	CHIP	400	8.00	80	37.2
FERNIE PLIEN	4.00	SH	SII-PL-REC	N3	N3	CHIP	150	0.64	210	9.7
FERNIE PLIEN	4.50	SH	PL-VTH-HB-PX-REC	N3	N3	CHIP	175	0.69	360	10.4
FERNIE PLIEN	3.00	SH	PI-FS-TH-REC	N3	N3	CHIP	250	0.77	180	13.7
FERNIE BFP PELL	0.50	PHOS	P00-SHI-RS	N3	N3	GRAB	212	11.30	90	21.2
FERNIE BFP PELL	1.60	SH	PI-TH-PX-REC-FS	N3	N3	CHIP	160	2.90	90	13.5
FERNIE U.SINEM	0.65	SLTST	MB-RS	5Y4/1	N3	CHIP	130	0.52	20	10.0
FERNIE U.SINEM	0.90	SH	PC-TCI-FS-REC	N3		CHIP	200	1.20	60	5.6
FERNIE U.SINEM	0.40	SS	PC-QZC-SPR-MB-FG	N3	N3	CHIP	145	1.10	30	3.9
WHITE OLYMPUS	1.00	SS	D-FG-R	5Y6/1						

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 387

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: North of Peters Peak
 NTS MAPSHEET: 82D13W

LATITUDE/LONGITUDE-PRESENT: 51 5400 115 5475
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 3500 116 4100
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK SST	2.50	SS	RS-MG-MB	10R4/6			115			
FERNIE	RX.CK LATO	14.00	SH	AR-PL-REC	5Y6/1			105			
FERNIE	RX.CK LATO	15.00	SH	FS-IRI-REC	5Y6/1			105			
FERNIE	RX.CK LATO	1.00	SH	BE-REC-FS	5Y6/1			105			
FERNIE	PAPER SH	18.00	SH	HB-PX-REC-FS	N3			136			
FERNIE	PAPER SH	12.00	SH	LSI-FS-VTH-REC	N4		CHIP	140	0.25	130	4.6
FERNIE	PAPER SH	2.00	COVRD	REC							
FERNIE	PAPER SH	1.00	SH	FS-VTH-BM-PX-LSI	N3	N3	CHIP	270	0.95	200	7.8
WHITE		11.00	DOL	MB-SSI-R	N8			94			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 390

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Washout Creek-Headwaters
 NTS MAPSHEET: 82013W

LATITUDE/LONGITUDE-PRESENT: 51 5700 115 4650
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 4200 116 3600
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	2.00	SH	FS-REC	N4						
FERNIE	PAPER SH	1.50	SH	LSI-FS-PL-REC	5Y2/1	N3	CHIP	120	0.73	220	10.5
FERNIE	PAPER SH	6.00	LS	SHI-FS-PL-FI-BM	5Y2/1	N3	CHIP	140	0.74	130	5.3
WHITE		5.00	DOL								

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 400

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Minnewanka Highway
 NTS MAPSHEET: 8204E

LATITUDE/LONGITUDE-PRESENT: 51 1466 115 3066
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 5700 116 2500
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	1.00	SH	Z-FS-PL-CAL-REC	N3	N3	GRAB	150	0.21	90	14.1
FERNIE	PAPER SH	3.00	COVRD	REC							
FERNIE	PAPER SH	1.00	SH	Z-PL-CAL-REC	N4	N3	GRAB	160	0.66	390	7.1
FERNIE	PAPER SH	1.50	COVRD	REC							
FERNIE	PAPER SH	0.60	SH	PT-BM-SI-CAL-REC	N4	N3	GRAB	166	0.87	890	16.8
FERNIE	PAPER SH	0.87	SH	REC							
FERNIE	BENT	0.03	BENT	J							
FERNIE	BFP PELL	0.36	PHOS	P00-CAL-REC			GRAB		17.00		
FERNIE	BFP PELL	0.24	PHOS	P00-REC			GRAB		19.70		
WHITE		4.00	DOL	TKB-A-R	N7	N6		50			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 351

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Mt. Costigan
 NTS MAPSHEET: 8206W

LATITUDE/LONGITUDE-PRESENT: 51 1700 115 1850
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 200 116 900
 DATUM USED: +SULM

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATO	45.00	SH	FS-LSI-Y-REC	N4			97			
FERNIE	RX.CK LATO	10.00	SH	FS-BE-REC	N3						
FERNIE	RX.CK LATO	2.00	SS	FG-BE-RS	10YR6/6		GRAB				
FERNIE	RX.CK LATO	9.00	SH	FS-IRI-FI-REC	5Y6/1						
FERNIE	RX.CK LATO	6.00	COVRD	REC							
FERNIE	FRCLP	2.00	SS	PQ-MG-BE-FI-CAL	10YR6/6		GRAB	140	2.70	110	5.7
FERNIE	RX.CK LATO	1.00	SH	PX-REC							
FERNIE	PAPER SH	0.50	LS	NX-TH-BM-FI-REC			GRAB		0.17	60	2.1
FERNIE	PAPER SH	0.50	SH	PX-REC	N3						
FERNIE	TOAR PHOS	1.50	LS	PP-SHI-FX-REC	N5		GRAB	205	1.00	190	12.7
FERNIE	PAPER SH	5.40	LS	SHI-PX-REC	N5						
FERNIE	PAPER SH	0.60	LS	J-SHI-REC-PX	N5						
SULFM	LLAMA	20.00	SLTST	TKB-RS							

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 355

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Ghost River Headwaters
 NTS MAPSHEET: 8206W

LATITUDE/LONGITUDE-PRESENT: 51 2300 115 2700
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 800 116 1900
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	6.00	SH	LSI-PX-REC							
FERNIE	PAPER SH	4.00	LS	SHI-Z-VTH-PL-REC	N3		CHIP		0.56	210	9.6
FERNIE	PAPER SH	2.00	SH	CAL-REC	N3		CHIP		0.56	210	9.6
FERNIE	PAPER SH	3.40	LS	SHI-Z-VTH-PL-REC	N3		CHIP		0.56	210	9.6
FERNIE	PAPER SH	0.60	LS	SHI-Z-VTH-PL-REC	N3		CHIP		0.56	210	9.6
WHITE		10.00	DOL	MB-TKB-R	N8						

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 360

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Limestone Mountain
 NTS MAPSHEET: 82014W

LATITUDE/LONGITUDE-PRESENT: 51 5550 115 2675
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 4800 115 4700
 DATUM USED: +MISN

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PASSAGE BE	10.00	SS	SHI-PL-VTH-REC							
FERNIE	RX.CK SST	15.00	SS	MB-MG-CG-PR	10R4/6						
FERNIE	PAPER SH	8.00	SH	PL-MB-SSII	N4		CHIP	130	0.32	120	3.3
FERNIE	NORDG	25.00	COVRD	J-Z							
FERNIE	NORDG	1.00	CHT	HAK-PX-BM	5Y8/1	5PB3/2	GRAB	42	0.26	10	0.9
FERNIE	NORDG	13.40	COVRD	J							
RUNDLE		1.00	COVRD	J							

FERNIE GROUP SECTIONS
STRATIGRAPHIC SECTION: 367

REFERENCE: Alberta Geological Survey
LOCALITY NAME: Vermilion Range
NTS MAPSHEET: 8205E

LATITUDE/LONGITUDE-PRESENT: 51 2150 115 3900
LATITUDE/LONGITUDE-PALINSPASTIC: 51 100 116 3300
DATUM USED: +WHD

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (GPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	RX.CK LATO	12.00	SH	IRI-REC	N3						
FERNIE	RX.CK LATO	13.00	SH	IRIY-NC-REC	N7		GRAB	170	0.11	80	4.1
FERNIE	FRCLP	0.60	SS	PT-P-G-REC-FG	5Y8/4	N3	CHIP	200	2.20	110	6.4
FERNIE	FRCLP	0.50	SH	PT-CW-REC-FS	10R3/4		CHIP	200	2.20	110	6.4
FERNIE	FRCLP	0.40	SS	PT-REC-FG	5Y8/4	N3	CHIP	200	2.20	110	6.4
FERNIE	FRCLP	0.40	SH	PT-CW-REC-FS	10R3/4		CHIP	200	2.20	110	6.4
FERNIE	PAPER SH	0.30	LS	MB-R	5Y6/1	N3					
FERNIE	PAPER SH	2.50	SH	LSIY-PL-CAL			CHIP	220	0.78	300	12.6
FERNIE	PAPER SH	0.20	LS	MB-R	5Y6/1	N3					
FERNIE	TOAR PHOS	4.50	SH	PP-FS-TH-CAL-E	N3	N3	CHIP	193	1.40	170	8.9
FERNIE	PAPER SH	4.50	SH	FS-TH-CAL-E-REC	N3	N3	CHIP	190	0.27	130	7.5
FERNIE	PAPER SH	2.00	SH	PL-FS-CAL-REC	N3	N3	CHIP	180	0.62	520	
FERNIE	FOB	1.00	LS	PP-SHI-FS-MB-REC	5Y6/1	N3	CHIP	160	2.00	160	6.9
FERNIE	SINEM	0.30	CHT	SHI-FS-TH-R	N3	N3		170			
FERNIE	BFP PELL	0.10	PHOS	POO-PN-R	5Y2/1	N3	CHIP	217	12.80	50	19.1
FERNIE	BFP PELL	0.30	CHT	SHI-FS-TH-R	N3	N3		170			
FERNIE	BFP PELL	1.00	COVRD	REC							
FERNIE	BFP PELL	0.10	SS	POO-R-MB	5Y6/1	N3	GRAB	300	8.66	30	17.3
FERNIE	SINEM	1.00	COVRD	REC							
WHITE	OLYMPUS	1.00	SS	MG-MB-R	N7						

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 374

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Cuthead Creek-North
 NTS MAPSHEET: 8205E

LATITUDE/LONGITUDE-PRESENT: 51 2550 115 3950
 LATITUDE/LONGITUDE-PALINSPASTIC: 51 400 116 3200
 DATUM USED: +WHHO

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	PAPER SH	3.00	SH	FS-REC	N4	N4	CHIP	150	0.25	260	7.6
FERNIE	PAPER SH	3.00	SH	FS-REC	N4	N4	CHIP		0.23	200	4.3
FERNIE	PAPER SH	1.50	COVRD	REC				170			
FERNIE	SINEM	0.50	SH	P00-SI-PL-REC	5Y2/1	5Y2/1		90			
FERNIE	SINEM	0.50	COVRD	REC							
FERNIE	BFP PELL	0.21	PHOS				CHIP		21.42		
FERNIE	BFP PELL	0.24	PHOS				CHIP		24.16		
FERNIE	BFP PELL	0.30	PHOS				CHIP		9.70		
WHITE	OLYMPUS	0.50	SS	QZC-MG-T				60			

FERNIE GROUP SECTIONS
 STRATIGRAPHIC SECTION: 401

LATITUDE/LONGITUDE-PRESENT: 51 1425 115 3025
 LATITUDE/LONGITUDE-PALINSPASTIC: 50 5700 116 2700
 DATUM USED: +WHHO

REFERENCE: Alberta Geological Survey
 LOCALITY NAME: Lower Cascade River
 NTS MAPSHEET: 8204E

FORMATION	STRATIGRAPHIC UNIT	THICKNESS	LITHOLOGY	LITHOLOGY MODIFIER	WEATHERED COLOR	FRESH COLOR	SAMPLE TYPE	TOTAL COUNT (CPS)	P205 (%)	V (PPM)	U (PPM)
FERNIE	GREY BEDS	10.00	SH	SSI-FS-TH-REC	N5		GRAB	120	0.30	90	1.5
FERNIE	GREY BEDS	30.00	SH	FS-PL-REC	N5		GRAB	130	0.27	180	2.3
FERNIE		53.00	?								
WHITE		0.00	DOL								

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