GEOSCIENCE BC
MPB REGIONAL GEOCHEMICAL DATA REPOSITORY

VERSION 1.0 (JULY 2007)

File: BARK README.PDF

SURVEY SUMMARY

A number of publicly funded reconnaissance-scale regional biogeochemistry (lodgepole pine bark) surveys have been conducted in BC since the mid 1990's. Information for a total of 715 bark sample sites have been included as part of the MPB data repository (see attached map).

DATA NOTES

A total of 3 different bark surveys have been conducted in the MPB area from 1996 to 1998 and include both ICP and INAA analytical information.

Analytical data are provided in the following files in XLS, DBF and ARC Shapefile formats. Refer to attached tables for a listing of associated elements and analytical detection limits.

1. BARK_ICP 2. BARK_INA 3. BARK_OTHR

Refer to README.PDF for a description of the digital data file structure.

REFERENCES

Dunn, C.E., Hastings, N.L. (1998). Biogeochemical survey of the Ootsa-François lakes area using outer bark of Lodgepole Pine (NTS 93F/13, 14, and part of 12), north central British Columbia. *Geological Survey of Canada*, Open File 3587.

Dunn, C.E., Hastings, N.L. (1999). Biogeochemical survey of the Fraser Lake area using outer bark of Lodgepole pine (NTS 93K02/03), central British Columbia. *Geological Survey of Canada*, Open File 3696.

Dunn, C.E., Hastings, N.L. (2000). Biogeochemical survey of Nechako River area using outer bark of lodgepole pine (NTS 93 F 15/16 and parts of 93 F 9/10), central British Columbia. *Geological Survey of Canada*, Open File 3594.

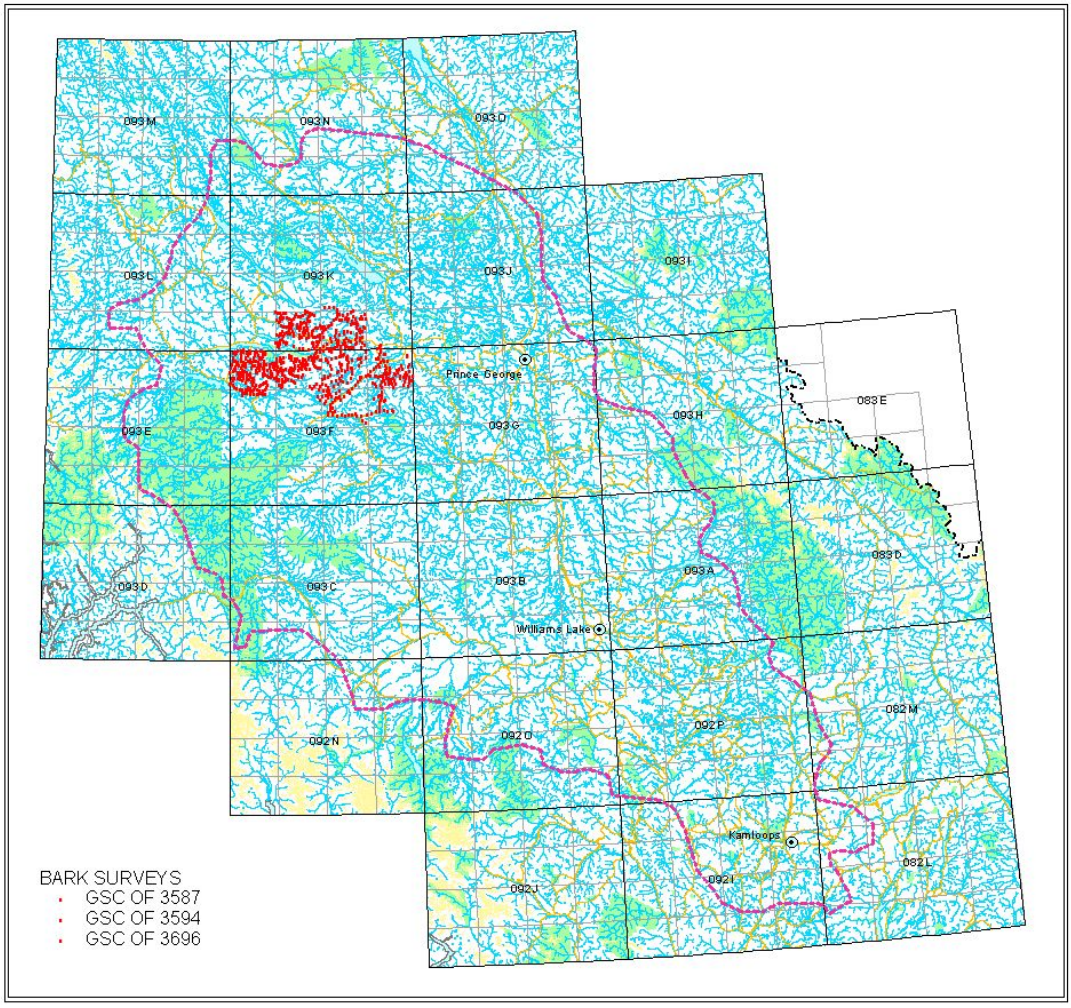
WWW LINKS

http://gdr.nrcan.gc.ca/geochem/metadata_svy_e.php?key=210265
http://gdr.nrcan.gc.ca/geochem/metadata_svy_e.php?key=210266
http://gdr.nrcan.gc.ca/geochem/metadata_svy_e.php?key=210267

UPDATE HISTORY

- ✓ Preliminary release January 2007
- ✓ Version 1.0 released July 2007

Location map showing bark sample sites included in the MPB data repository.



Total Samples:	715
Total Sites:	715
Collection Years:	1996 to 1998
Area Covered:	6,000 sq km
Average Density:	1 site per 10 sq km

Analytical data and reported detection limits.

FILE: BARK_ICP:

REPORT	MAP	YEAR	N	LAB	MTHD	Au ppb	Ag ppm	Al pct	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca pct	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe pct	Ga ppm	Hg ppb	K pct	La ppm	Li ppm	Mg pct	Mn ppm	Mo ppm
GSC OF 3594	93F/K	1996	229	ACTIVATION	ICP		0.4	0.01							0.2				1							0.01	1	4
GSC OF 3587	93F	1997	268	ACTIVATION	ICP		0.4	0.01							1				1							0.01	1	4
GSC OF 3696	93F/K	1998	218	ACME	ICP		0.3	0.01		3	1			0.01	0.2		1	1	1	0.01			0.01	1	1	0.01	2	1

REPORT	MAP	YEAR	N	LAB	MTHD	Na pct	Nb ppm	Ni ppm	P pct	Pb ppm	Rb ppm	S pct	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti pct	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
GSC OF 3594	93F/K	1996	229	ACTIVATION	ICP			2	0.001	4											0.02			2		2		1
GSC OF 3587	93F	1997	268	ACTIVATION	ICP			1	0.001	4														2				
GSC OF 3696	93F/K	1998	218	ACME	ICP	0.01		1	0.001	3							1				0.01			1			1	

ICP: Inductively Coupled Plasma Analysis

FILE: BARK_INAA:

REPORT	MAP	YEAR	N	LAB	MTHD	Au ppb	Ag ppm	As ppm	Ba ppm	Br ppm	Ca ppm	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Eu ppm	Fe pct	Hf ppm	Hg ppm	Ir ppb	La ppm	Lu ppm	Mo ppm
GSC OF 3594	93F/K	1996	229	Activation	INAA	5		0.5	10	1	0.2 pct		3	1	1	0.5	0.01	0.05	0.5			0.1	0.05	
GSC OF 3587	93F	1997	268	Activation	INAA	5		0.5	10	1	0.2 pct		3	1	1	0.5	0.01	0.05	0.5			0.1	0.05	1
GSC OF 3696	93F/K	1998	218	Activation	INAA	5		0.5	10	1	0.2 pct		3	1	1	0.5	0.01	0.05	0.5			0.1	0.05	2

REPORT	MAP	YEAR	N	LAB	MTHD	Na pct	Nd ppm	Ni ppm	Rb ppm	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	U ppm	W ppm	Yb ppm	Zn ppm	Zr ppm
GSC OF 3594	93F/K	1996	229	Activation	INAA	0.001	5		5	0.1	0.1		0.1		300				0.1	0.1	1	0.05	20	
GSC OF 3587	93F	1997	268	Activation	INAA	0.001	5		5	0.1	0.1		0.1		300				0.1	0.1		0.05	20	
GSC OF 3696	93F/K	1998	218	Activation	INAA	0.001	5		5	0.1	0.1		0.1		300	0.5			0.1	0.1	1	0.05	20	

INAA: Instrumental Neutron Activation Analysis

FILE: BARK_OTHR:

REPORT	MAP	YEAR	N	LAB	Ash pct
GSC OF 3594	93F/K	1996	229	Activation	0.01
GSC OF 3587	93F	1997	268	Activation	0.01
GSC OF 3696	93F/K	1998	218	Acme	0.01