

REGIONAL STREAM SEDIMENT AND WATER GEOCHEMICAL RECONNAISSANCE DATA, BRITISH COLUMBIA, 1976. GSC-OF411, NTS 82M

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* OPEN FILE 411 *
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	PAGE
SURVEY NOTES	1
DATA LIST	2
SUMMARY STATISTICS	19

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GEOLOGICAL SURVEY OF CANADA
REGIONAL STREAM SEDIMENT AND WATER GEOCHEMICAL RECONNAISSANCE DATA

THE FOLLOWING TABLES DISPLAY THE DATA RECORD FORMAT SPECIFICATIONS.

THE FIELD DATA WAS STORED AS FOLLOWS:

ELEMENT	CARD	COLUMNS
MAP	1	01-06
ID	1	07-12
UTM ZONE	1	13-14
UTM EAST	1	15-20
UTM NORTH	1	21-27
ROCK TYPE	1	28-31
SAMPLE MATERIAL	1	32
STREAM WIDTH	1	33-35
STREAM DEPTH	1	36-38
REPLICATE STATUS	1	39-40
CONTAMINATION	1	41
BANK TYPE	1	42
WATER COLOUR	1	43
FLOW RATE	1	44
SEDIMENT COLOUR	1	45
SAMPLE COMPOSITION	1	46-48

THE ANALYTICAL DATA WAS STORED AS FOLLOWS:
(THE SECOND FIGURE UNDER THE DETECTION LIMIT HEADING IS USED
ARBITRARILY TO DENOTE VALUES BELOW THE DETECTION LIMIT-USUALLY
1/2 DETECTION LIMIT)

ELEMENT	UNITS	CARD	COLUMNS	DETECTION	LIMIT	METHOD	ATTACK	PREPARATION
ZN	PPM	2	21-25	2	1	AA-AIRACET	NGR-2	CRGRBALL
CU	PPM	2	26-30	2	1	AA-AIRACET	NGR-2	CRGRBALL
PB	PPM	2	31-35	2	1	AA-AIRACET	NGR-2	CRGRBALL
NI	PPM	2	36-40	2	1	AA-AIRACET	NGR-2	CRGRBALL
CO	PPM	2	41-45	2	1	AA-AIRACET	NGR-2	CRGRBALL
AG	PPM	2	46-50	0.2	0.1	AA-AIRACET	NGR-2	CRGRBALL
MN	PPM	2	51-55	5	2	AA-AIRACET	NGR-2	CRGRBALL
MO	PPM	2	61-65	2	1	AA-N2OACET	HNO3HCL4	CRGRBALL
FE	PCT	2	66-70	0.02	0.01	AA-AIRACET	NGR-2	CRGRBALL
U	PPM	3	21-25	0.2	0.1	DNC-U		CRGRBALL
W	PPM	3	26-30	2	1	NGR-W1		CRGRBALL
U-W	PPB	4	21-25	0.05	0.02	NGR-FLUOR1		
F	PPB	4	26-30	20	10	ISE		
PH		4	31-35			PH		

DATA LIST LEGEND

MAP - NATIONAL TOPOGRAPHIC SYSTEM(NTS)-LETTERED QUADRANGLE
(SCALE 1:250000) PART OF SAMPLE NUMBER.

SAMPLE - REMAINDER OF SAMPLE NUMBER - YEAR(2),FIELD CREW(1),
SAMPLE SEQUENCE NUMBER(3)

UTM COORDINATS - UNIVERSAL TRANSVERSE MERCATOR(UTM) COORDINATE
SYSTEM SAMPLE COORDINATES

ZN - ZONE
EAST - EASTING(METERS)
NORTH - NORTHING(METERS)

ROCK TYPE - MAJOR ROCK TYPE OF CATCHMENT AREA

WD - WIDTH OF STREAM (DECIMETER) AT NEAREST SAMPLE SITE
DT - DEPTH OF STREAM SAMPLED TO NEAREST DECIMETER

SAMP - TYPE OF MATERIAL SAMPLED

RP ST - REPLICATE STATUS - RELATIONSHIP OF SAMPLE WITH
RESPECT TO OTHERS WITHIN THE SURVEY

CONT - CONTAMINATION

BANK - BANK TYPE

WCOL - WATER COLOUR AND SUSPENDED LOAD

RATE - WATER FLOW RATE

SCOL - PREDOMINANT SEDIMENT COLOUR

SMP CMP - SAMPLE COMPOSITION - BULK COMPOSITION OF
SAND,FINES,ORGANICS RESPECTIVELY

ROCK TYPE:

GRNT - GRANITE
UMFC - ULTRAMAFIC
SCST - SCHIST
QRTZ - QUARTZITE
TILL - TILL
GNSS - GNEISS
OLVB - OLIVINE BASALT

SAMP: 1-STREAM BED SEDIMENT
6-STREAM SEDIMENT AND WATER

RP ST: 00-ROUTINE SAMPLE
10-FIRST OF FIELD DUPLICATE
20-SECOND OF FIELD DUPLICATE

CONT: 0-NONE
1-POSSIBLE
2-PROBABLE
3-DEFINITE

BANK: 1-ALLUVIAL
2-COLLUVIAL
3-GLACIAL TILL,TILLITE

WCOL: 0-CLEAR
1-BROWN TRANSPARENT
2-WHITE CLOUDY
3-BROWN CLOUDY

RATE: 0-ZERO
1-SLOW
2-MODERATE
3-FAST
4-TORRENTIAL

SCOL: 0-UNKNOWN
1-RED,BROWN
2-WHITE,BUFF

SMP CMP: 0-ABSENT
1-MINOR <33%
2-MEDIUM 33-67%
3-MAJOR >67%

ZN - ZINC BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
CU - COPPER BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
PB - LEAD BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
NI - NICKEL BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
CO - COBALT BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
AG - SILVER BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
MN - MANGANESE BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
MO - MOLYBDENUM BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
FE - IRON BY ATOMIC ABSORPTION SPECTROSCOPY (%)
U - URANIUM BY DELAYED NEUTRON ACTIVATION (PPM)
W - TUNGSTEN BY SPECTROMETER (PPM)
U-W - URANIUM IN WATERS BY FLUOROMETRIC METHOD (PPB)
F - FLUORINE IN WATERS BY ION SELECTIVE ELECTRODE METHOD (PPB)
PH - PH BY COMBINATION GLASS-CALOMEL ELECTRODE