

REGIONAL STREAM SEDIMENT AND WATER GEOCHEMICAL RECONNAISSANCE DATA, BRITISH COLUMBIA, 1976. GSC-OF409, NTS 82E

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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
GRNS - GREENSTONE
CGLM - CONGLOMERATE
ANDS - ANDESITE
TILL - TILL
GNSS - GNEISS
SYNT - SYENITE
OLVB - OLIVINE BASALT
UMFC - ULTRAMAFIC

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SAMP: 1-STREAM BED SEDIMENT
4-STREAM WATER
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
4-GLACIAL OUTWASH, MORaine

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