

REGIONAL LAKE SEDIMENT GEOCHEMICAL RECONNAISSANCE DATA, ONTARIO 1976, GSC-OF406, NTS 31F

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GEOLOGICAL SURVEY OF CANADA

REGIONAL LAKE SEDIMENT 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
LAKE AREA	1	32-35
SAMPLE DEPTH	1	36-38
REPLICATE STATUS	1	39-40
RELIEF	1	41-43
COMPOSITION	1	44-46
GEL	1	47
CONTAMINATION	1	48-51
SAMPLE COLOUR	1	52-57
SUSPENDED MATTER	1	58-59

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-1	CRGRBALL
CU	PPM	2	26-30	2	1	AA-AIRACET	NGR-1	CRGRBALL
PB	PPM	2	31-35	2	1	AA-AIRACET	NGR-1	CRGRBALL
NI	PPM	2	36-40	2	1	AA-AIRACET	NGR-1	CRGRBALL
CO	PPM	2	41-45	2	1	AA-AIRACET	NGR-1	CRGRBALL
AG	PPM	2	46-50	0.2	0.1	AA-AIRACET	NGR-1	CRGRBALL
MN	PPM	2	51-55	5	2	AA-AIRACET	NGR-1	CRGRBALL
AS	PPM	2	56-60	1.0	0.5	NGR-AGDDC	NGR-AS1	CRGRBALL
MO	PPM	2	61-65	2	1	AA-N2OACET	HNO3HCL4	CRGRBALL
FE	PCT	2	66-70	0.02	0.01	AA-AIRACET	NGR-1	CRGRBALL
HG	PPB	2	71-75	10	5	AA-SILICA	HNO3HCL5	CRGRBALL
LOI	PCT	2	76-79	1.0	0.5		NGR-LOI	
U	PPM	3	21-25	0.2	0.1	DNC-U		CRGRBALL

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DATA LIST LEGEND

MAP - NATIONAL TOPOGRAPHIC SYSTEM(NTS)-LETTERED QUADRANGLE	ROCK TYPE:
ID - REMAINDER OF SAMPLE NUMBER-YEAR(2),FIELD CREW(1), SAMPLE SEQUENCE NUMBER(3)	AMPB - AMPHIBOLITE      MGMT - MIGMATITE
UTM COORDINATS - UNIVERSAL TRANSVERSE MERCATOR(UTM) COORDINATE SYSTEM - SAMPLE COORDINATES	ANDS - ANDESITE      MRBL - MARBLE
ZN - ZONE	CGLM - CONGLOMERATE      PRGS - PARAGNEISS
EAST - EASTING(METERS)	DORT - DIORITE      SNDS - SANDSTONE
NORTH - NORTHING(METERS)	GBBR - GABBRO      SYNT - SYENITE
ROCK TYPE - MAJOR ROCK TYPE OF LAKE CATCHMENT AREA	GNSS - GNEISS      UKNN - UNKNOWN
LAKE AREA - AREA OF LAKE SAMPLED	GRNT - GRANITE
SMP DTH - SAMPLE DEPTH MEASURED TO THE NEAREST FOOT	LMST - LIMESTONE
RP ST - REPLICATE STATUS - RELATIONSHIP OF SAMPLE WITH RESPECT TO OTHERS WITHIN THE SURVEY	LAKE AREA:
RELF - RELIEF OF THE SURROUNDING LAKE CATCHMENT BASIN	POND - POND
COM - BULK MECHANICAL COMPOSITION OF SAND,FINES AND ORGANICS IN THAT ORDER	LT 1 - 1/4 TO 1 SQ. KM.
GEL - PRESENCE OF AN ORGANIC GEL OR GYTTJA	1-5 - 1 TO 5 SQ. KM.
CONT - CONTAMINATION - HUMAN OR NATURAL(WORK-DRILL/TRENCH, CAMP,FUEL OR GOSSAN)	GT 5 - GREATER THAN 5 SQ. KM.
SMPL COLOR - SEDIMENT COLOUR	RP ST:
SUSP - SUSPENDED MATTER	00 - ROUTINE SAMPLE
	10 - FIRST OF FIELD DUPLICATE
	20 - SECOND OF FIELD DUPLICATE
	RELF:
	L - LOW
	M - MEDIUM
	H - HIGH
	COM:
	0 - ABSENT
	1 - MINOR(1-33%)
	2 - MEDIUM(33-66%)
	3 - MAJOR(66-100%)
	GEL:
	0 - ABSENT
	1 - PRESENT
	CONT:
	BLANK - NONE
	1 - PRESENT
	SMPL COLOR:
	TN - TAN
	YL - YELLOW
	GN - GREEN
	GY - GREY
	BR - BROWN
	BK - BLACK
	SUSP:
	BLANK - NONE
	L - LIGHT
	H - HEAVY
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)	
AS - ARSENIC BY COLOURIMETRY(PPM)	
MO - MOLYBDENUM BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)	
FE - IRON BY ATOMIC ABSORPTION SPECTROSCOPY(%)	
HG - MERCURY BY FLAMELESS SPECTROSCOPY(PPB)	
LOI - LOSS ON IGNITION BY WEIGHT DIFFERENCE(%)	
U - URANIUM BY DELAYED NEUTRON ACTIVATION(PPM)	