

REGIONAL LAKE SEDIMENT GEOCHEMICAL RECONNAISSANCE DATA, MACKENZIE 1975, GSC-OF325, NTS 75F

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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

ID - 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 LAKE CATCHMENT AREA

LAKE AREA - AREA OF LAKE SAMPLED

SMP DTH - SAMPLE DEPTH MEASURED TO THE NEAREST FOOT

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

RELF - RELIEF OF THE SURROUNDING LAKE CATCHMENT BASIN

COM - BULK MECHANICAL COMPOSITION OF SAND,FINES AND  
ORGANICS IN THAT ORDER

GEL - PRESENCE OF AN ORGANIC GEL OR GYTTJA

CONT - CONTAMINATION - HUMAN OR NATURAL(WORK-DRILL/TRENCH,  
CAMP,FUEL OR GOSSAN)

SMPL COLOR - SEDIMENT COLOUR

SUSP - SUSPENDED MATTER

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)

ROCK TYPE:  
GNSS - GNEISS  
GRDR - GRANODIORITE  
GRNT - GRANITE  
SMRK - SEDIMENTARY ROCK

LAKE AREA:  
POND - POND  
LT 1 - 1/4 TO 1 SQ. KM.  
1-5 - 1 TO 5 SQ. KM.  
GT 5 - GREATER THAN 5 SQ. KM.

RP ST:  
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