REGIONAL LAKE SEDIMENT GEOCHEMICAL RECONNAISSANCE DATA, MACKENZIE 1975, GSC-OF328, NTS 86L AND 96I

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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

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:
- DLMT - DOLOMITE
- GRNT - GRANITE
- QZFP - QUARTZ FELDSPAR PORPHYRY
- SNDS - SANDSTONE
- UKNN - UNKNOWN

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