

REGIONAL LAKE SEDIMENT AND WATER GEOCHEMICAL RECONNAISSANCE DATA, KEEWATIN, 1976. GSCOF415, NTS 65C

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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
U-W	PPB	4 19-25	0.01	0.005 NGR-FISS	HNO3A	
F	PPB	4 26-30	20	10 ISE	KOH	

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DATA LIST LEGEND

<p>MAP - NATIONAL TOPOGRAPHIC SYSTEM(NTS)-LETTERED QUADRANGLE</p> <p>ID - REMAINDER OF SAMPLE NUMBER-YEAR(2),FIELD CREW(1), SAMPLE SEQUENCE NUMBER(3)</p> <p>UTM COORDINATS - UNIVERSAL TRANSVERSE MERCATOR(UTM) COORDINATE SYSTEM - SAMPLE COORDINATES</p> <p>ZN - ZONE</p> <p>EAST - EASTING(METERS)</p> <p>NORTH - NORTHING(METERS)</p> <p>ROCK TYPE - MAJOR ROCK TYPE OF LAKE CATCHMENT AREA</p> <p>LAKE AREA - AREA OF LAKE SAMPLED</p> <p>SMP DTH - SAMPLE DEPTH MEASURED TO THE NEAREST FOOT</p> <p>RP ST - REPLICATE STATUS - RELATIONSHIP OF SAMPLE WITH RESPECT TO OTHERS WITHIN THE SURVEY</p> <p>RELF - RELIEF OF THE SURROUNDING LAKE CATCHMENT BASIN</p> <p>COM - BULK MECHANICAL COMPOSITION OF SAND,FINES AND ORGANICS IN THAT ORDER</p> <p>GEL - PRESENCE OF AN ORGANIC GEL OR GYTTJA</p> <p>CONT - CONTAMINATION - HUMAN OR NATURAL(WORK-DRILL/TRENCH, CAMP,FUEL OR GOSSAN)</p> <p>SMPL COLOR - SEDIMENT COLOUR</p> <p>SUSP - SUSPENDED MATTER</p> <p>ZN - ZINC BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)</p> <p>CU - COPPER BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)</p> <p>PB - LEAD BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)</p> <p>NI - NICKEL BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)</p> <p>CO - COBALT BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)</p> <p>AG - SILVER BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)</p> <p>MN - MANGANESE BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)</p> <p>AS - ARSENIC BY COLOURIMETRY(PPM)</p> <p>MO - MOLYBDENUM BY ATOMIC ABSORPTION SPECTROSCOPY(PPM)</p> <p>FE - IRON BY ATOMIC ABSORPTION SPECTROSCOPY(%)</p> <p>HG - MERCURY BY FLAMELESS SPECTROSCOPY(PPB)</p> <p>LOI - LOSS ON IGNITION BY WEIGHT DIFFERENCE(%)</p> <p>U - URANIUM BY DELAYED NEUTRON ACTIVATION(PPM)</p> <p>U-W - URANIUM IN WATERS(PPB)</p> <p>F - FLUORINE IN WATERS(PPB)</p>	<p>ROCK TYPE:</p> <table border="0"> <tr> <td>AMPB - AMPHIBIOLITE</td> <td>MVCC - META VOLCANIC</td> </tr> <tr> <td>ARKS - ARKOSE</td> <td>PRGS - PARAGNEISS</td> </tr> <tr> <td>CGLM - CONGLOMERATE</td> <td>QZMZ - QUARTZ MONZONITE</td> </tr> <tr> <td>DORT - DIORITE</td> <td>SBGK - SUBGRAYWACKE</td> </tr> <tr> <td>GDRG - GREY BIOTITE</td> <td>SMRK - SEDIMENTARY ROCK</td> </tr> <tr> <td>GRANODIORITE GNEISS</td> <td></td> </tr> <tr> <td>GRNT - GRANITE</td> <td>UKNN - UNKNOWN</td> </tr> </table> <p>LAKE AREA:</p> <p>POND - POND</p> <p>LT 1 - 1/4 TO 1 SQ. KM.</p> <p>1-5 - 1 TO 5 SQ. KM.</p> <p>GT 5 - GREATER THAN 5 SQ. KM.</p> <p>RP ST:</p> <p>00 - ROUTINE SAMPLE</p> <p>10 - FIRST OF FIELD DUPLICATE</p> <p>20 - SECOND OF FIELD DUPLICATE</p> <p>RELF:</p> <p>L - LOW</p> <p>M - MEDIUM</p> <p>H - HIGH</p> <p>COM:</p> <p>0 - ABSENT</p> <p>1 - MINOR(1-33%)</p> <p>2 - MEDIUM(33-66%)</p> <p>3 - MAJOR(66-100%)</p> <p>GEL:</p> <p>0 - ABSENT</p> <p>1 - PRESENT</p> <p>CONT:</p> <p>BLANK - NONE</p> <p>1 - PRESENT</p> <p>SMPL COLOR:</p> <p>TN - TAN</p> <p>YL - YELLOW</p> <p>GN - GREEN</p> <p>GY - GREY</p> <p>BR - BROWN</p> <p>BK - BLACK</p> <p>SUSP:</p> <p>BLANK - NONE</p> <p>L - LIGHT</p> <p>H - HEAVY</p>	AMPB - AMPHIBIOLITE	MVCC - META VOLCANIC	ARKS - ARKOSE	PRGS - PARAGNEISS	CGLM - CONGLOMERATE	QZMZ - QUARTZ MONZONITE	DORT - DIORITE	SBGK - SUBGRAYWACKE	GDRG - GREY BIOTITE	SMRK - SEDIMENTARY ROCK	GRANODIORITE GNEISS		GRNT - GRANITE	UKNN - UNKNOWN
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