HYDRAULICS RESEARCH DIVISION

Technical Note

DATE: February 1980 **REPORT NO:** 80-07

TITLE: "Unconsolidated Sediment Data for Nearshore Lake Ontario, Hamilton to Toronto"

AUTHORS: N. A. Rukavina and G. G. LaHaie

REASONS FOR REPORT:

Requested by A. Mudroch, ECD, to support Study PRD-094.

CORRESPONDENCE FILE NO:

5690

1.0 INTRODUCTION

This report is in response to a request (Appendix 1) from A. Mudroch of the Environmental Contaminants Division for bottom sediment information in western Lake Ontario. It supplies sample descriptions and size data for all nearshore survey stations within the Hamilton-Toronto reach at which unconsolidated sediment was recovered. The information will be used as the basis for selection of samples for Study PRD-094 (Availability of toxic substances in the nearshore regions of the Great Lakes).

2.0 DATA SOURCE

The Hamilton to Toronto nearshore area was sampled during the nearshore sediment survey of 1968 (Rukavina, 1969). Shipek samples were collected on a 1-km grid within the depth range 2-20 m. Sub-samples of the upper 3 cm of the Shipek sample were taken with a standard 5x5 cm box sampler. Samples were oven-dried, split to 20 g and analysed for grain size with the F.A.S.T. procedure (Rukavina and Duncan, 1970). In some instances, analysis was repeated at a later date with the Sedigraph analyser to improve resolution of the silt-clay fraction. Size data were reduced to standard grain-size statistics by the computer program SIZDIST (Rukavina and Dolling, 1973).

3.0 DATA SUPPLIED

1. Location maps of sample sites (Appendix 2).
2. Computer listings of field data (DECODE format) (Appendix 3).
3. Computer listings of grain-size statistics (SIZDIST format) (Appendix 4).
4. Data summary (APPENDIX format) (Appendix 5).

4.0 REFERENCES CITED

Rukavina, N. A., 1969. "Nearshore Sediment Survey of Western Lake Ontario, Methods and Preliminary Results". Proc. 12th Conf. Great Lakes Research, IAGLR, pp. 317-324.

Rukavina, N. A. and Duncan, G. A., 1970. "F.A.S.T. - Fast Analysis of Sediment Texture". Proc. 13th Conf. Great Lakes Research, IAGLR, pp. 274-281.

Rukavina, N. A. and Dolling, R. K., 1973. "SIZDIST: Statistical Analysis for F.A.S.T. Grain-Size Data". Proc. 16th Conf. Great Lakes Research, IAGLR,pp. 1044-1045.

Government of Canada / Gouvernement du Canada

MEMORANDUM **NOTE DE SERVICE**

A.Mudroch/NWRI/4389/ek

SECURITY - CLASSIFICATION - DE SÉCURITÉ
OUR FILE/NOTRE RÉFÉRENCE: 5690
YOUR FILE/VOTRE RÉFÉRENCE
DATE: December 10, 1979

TO / À: Dr. N.A. Rukavina
Environmental Hydraulics Division
National Water Research Institute

FROM / DE: A. Mudroch
Environmental Contaminants Division
National Water Research Institute

SUBJECT / OBJET: Request for Information on the Sediments from Three Localities in Lake Ontario

We would appreciate very much all possible information on the sediments from Humber Bay, the nearshore sediments of Western Lake Ontario, and the nearshore and offshore sediments in the Chub Point, Central Lake Ontario, area (approximately 78° 00' W and 43° 57' N). This information is necessary for further planning of sampling and analytical methods used in the study PRD-094 (Availability of Toxic Substances in Nearshore Regions of the Great Lakes).

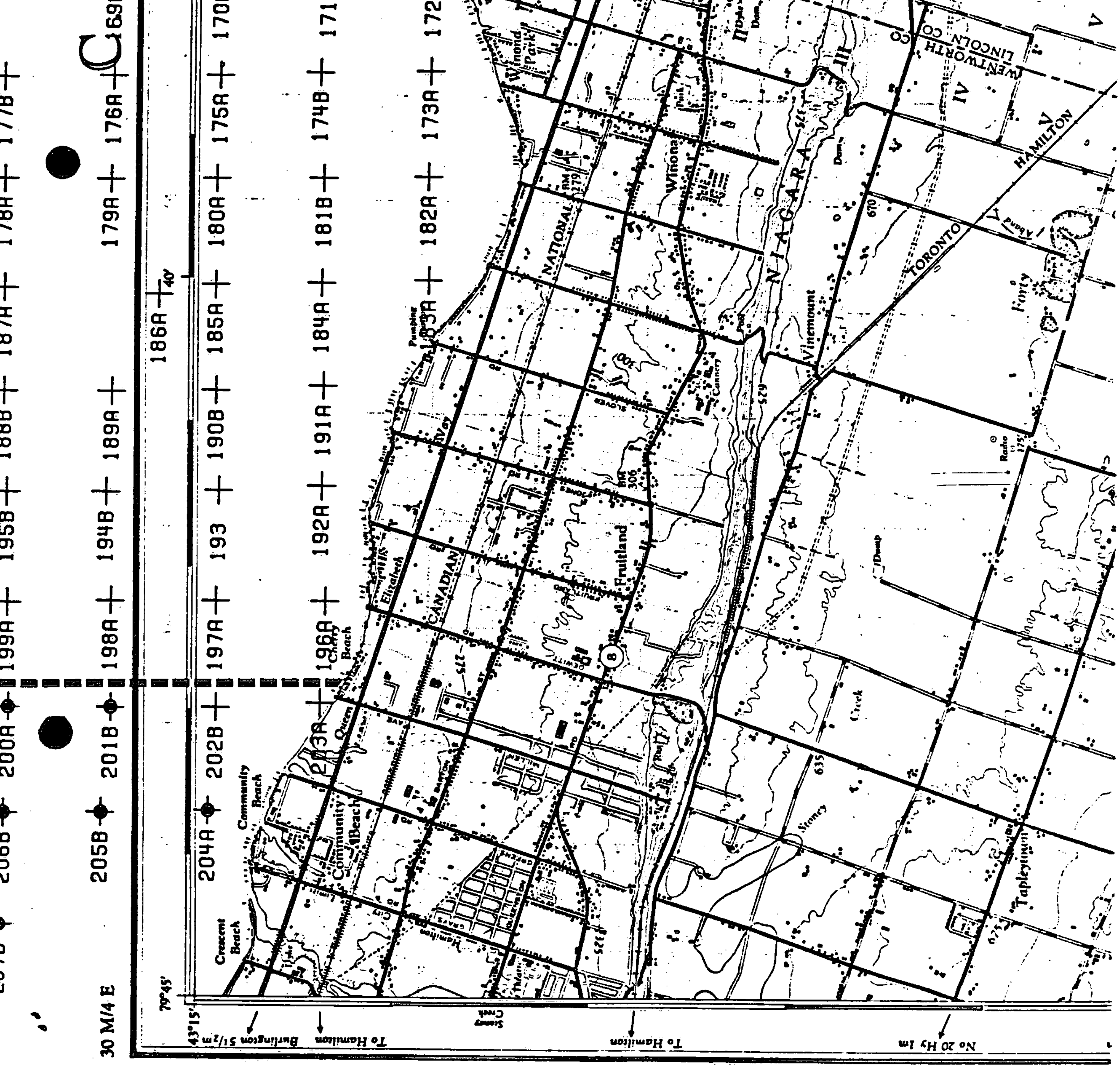
A. Mudroch

A. Mudroch

cc: Dr. T.M. Dick, Chief, Environmental Hydraulics Division
Dr. W.M.J. Strachan, Head, Toxic Substances Section, ECD

APPENDIX 2

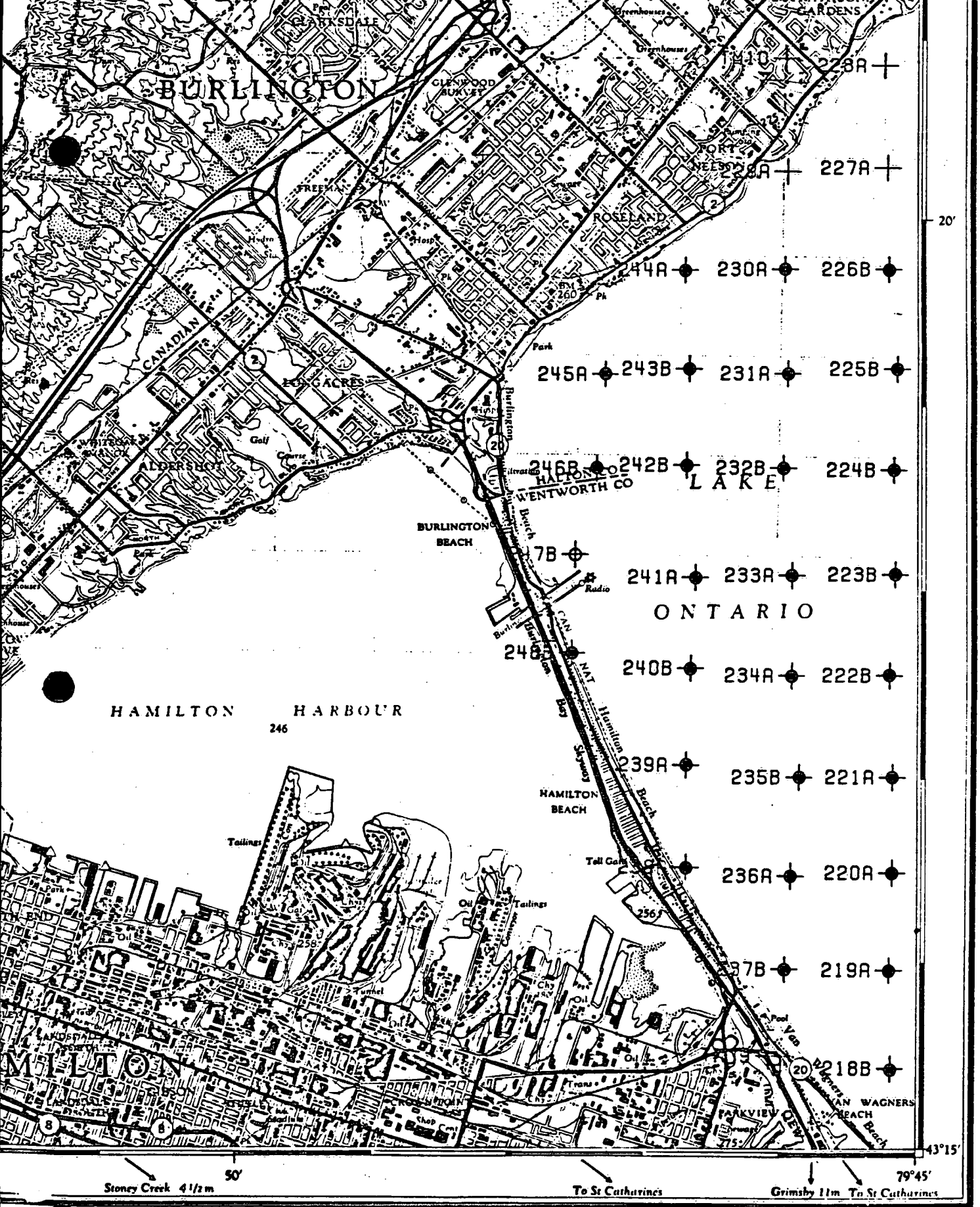
Site Maps



Unconsolidated Sediment Stations:

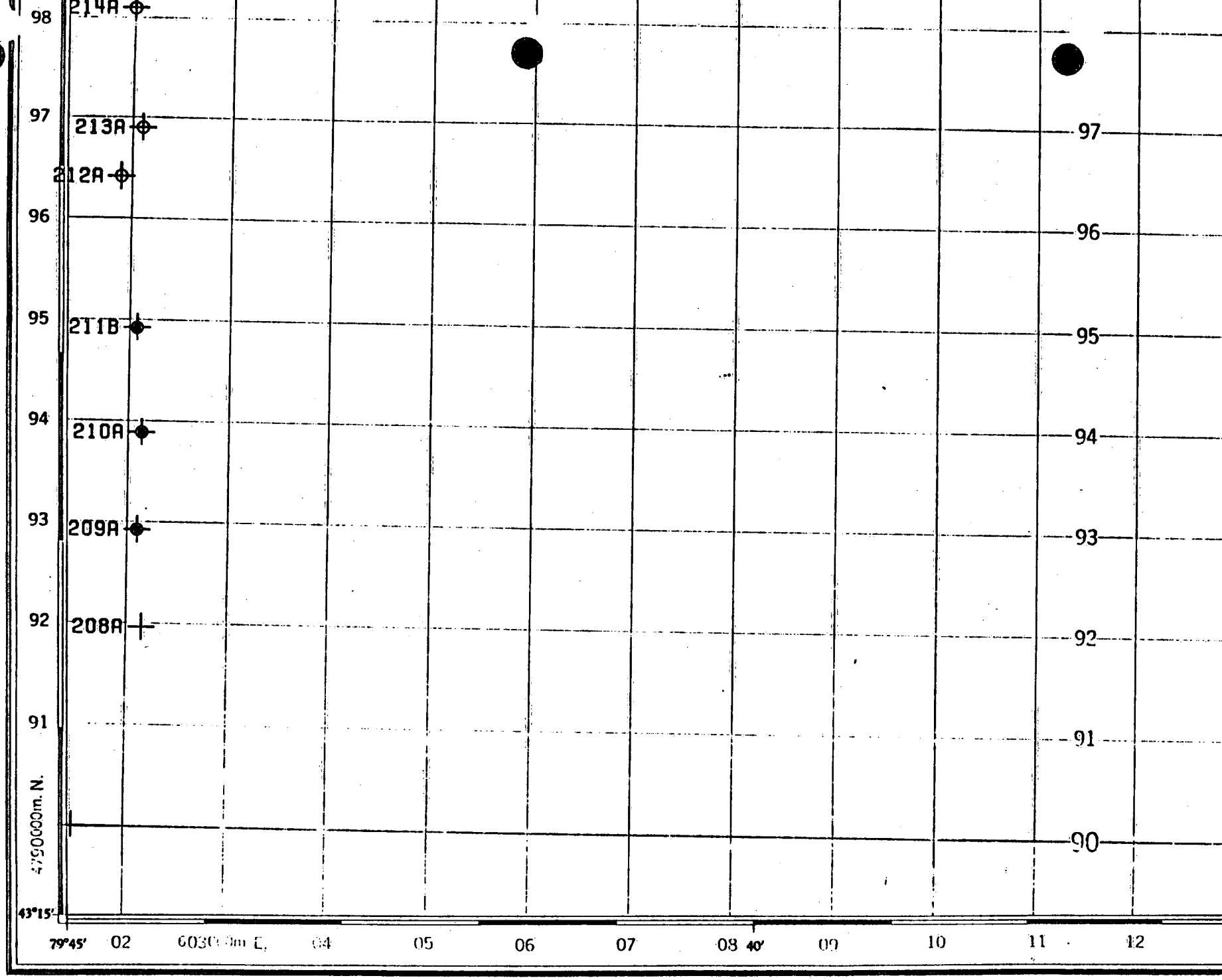
-◆-: Field and Size Data

-⊕-: Field Data Only



Publiée par le SERVICE DE CARTOGRAPHIE,
MINISTÈRE DE LA DÉFENSE NATIONALE.
Renseignements à jour en 1965. Imprimée en 1968.

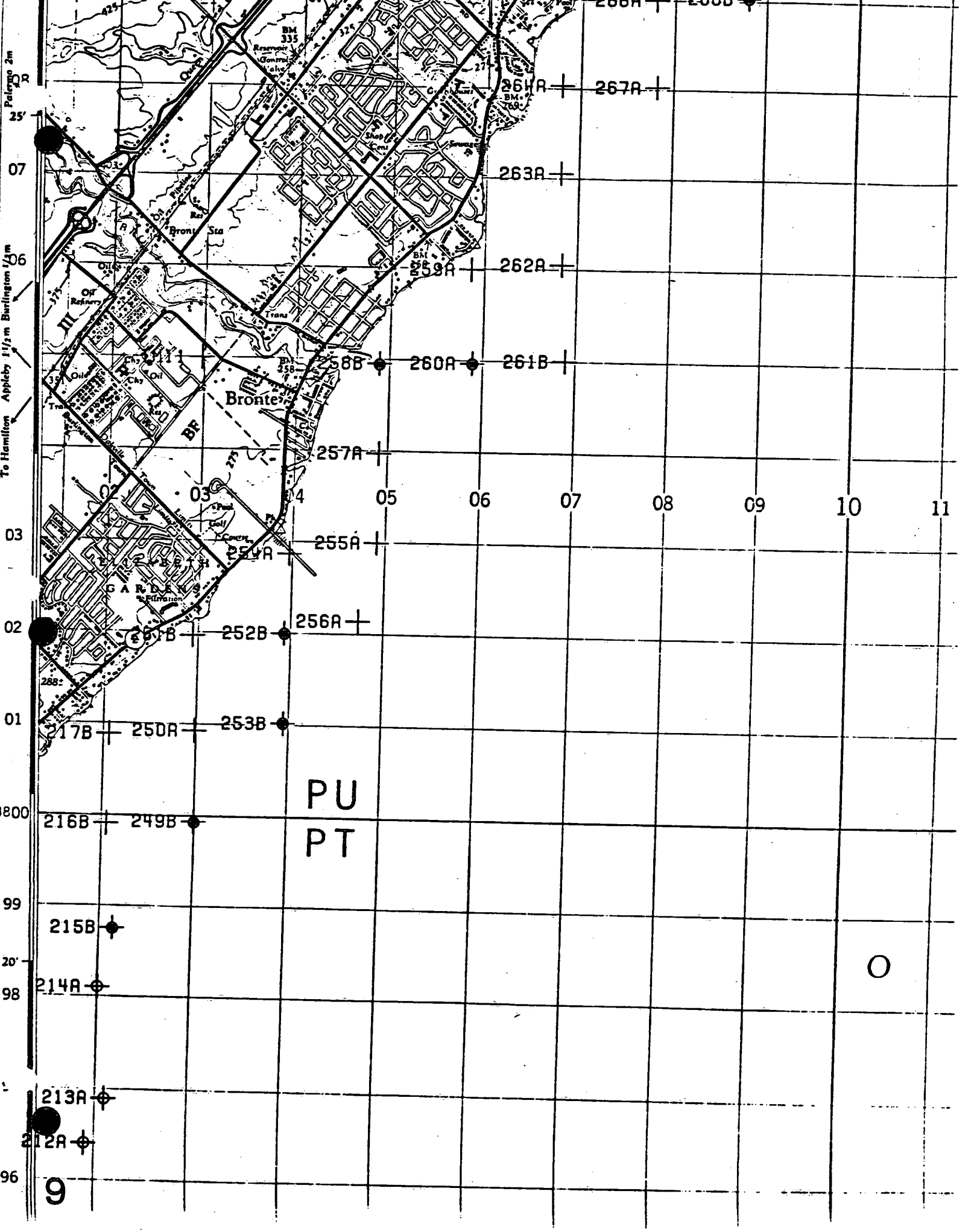
Ces cartes sont en vente au Bureau de distribution des cartes, ministère de l'Énergie, des Mines et des Ressources, Ottawa.



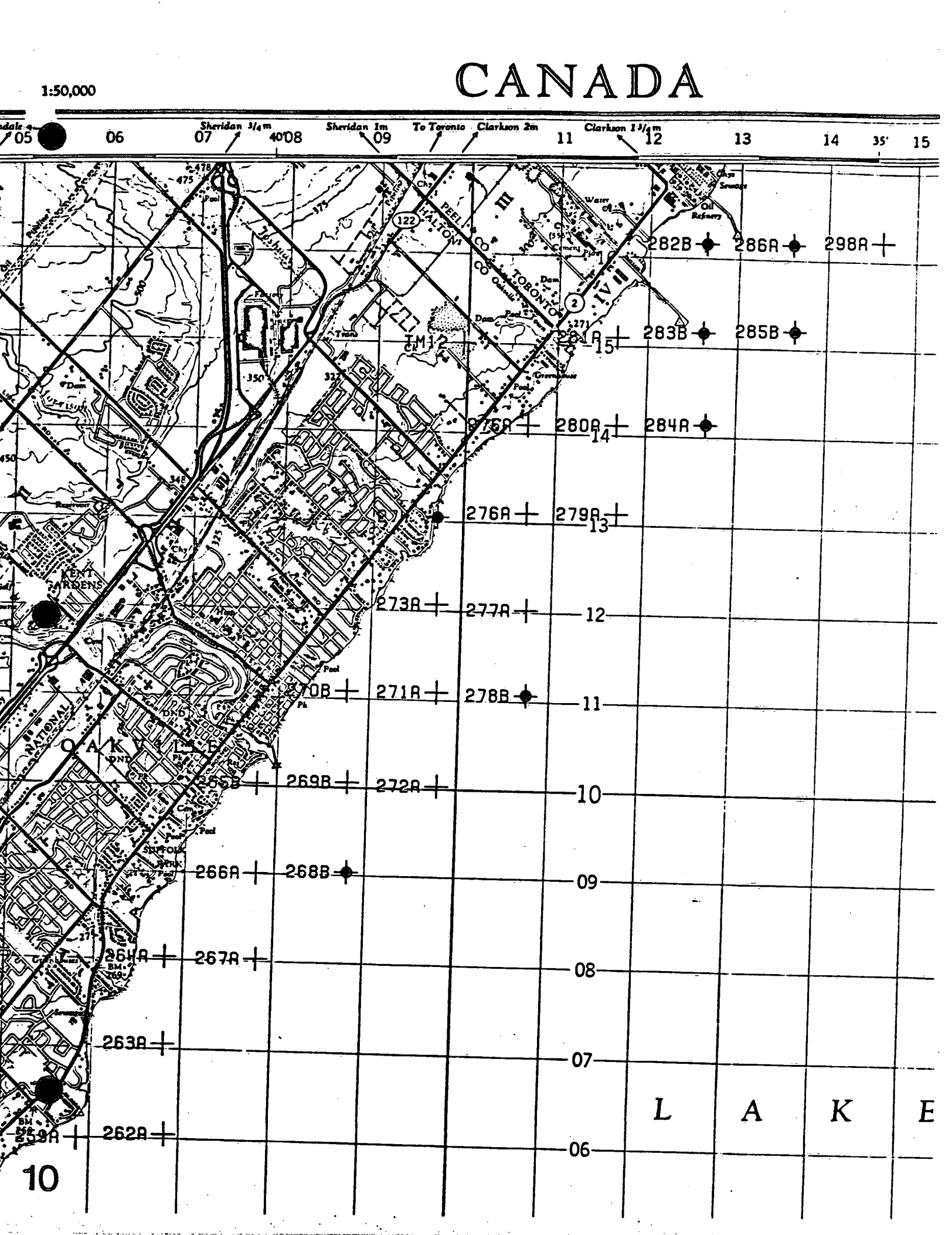
Produced by the MAPPING AND CHARTING ESTABLISHMENT,
DEPARTMENT OF NATIONAL DEFENCE.
Information depicted current as of 1965. Printed 1968.

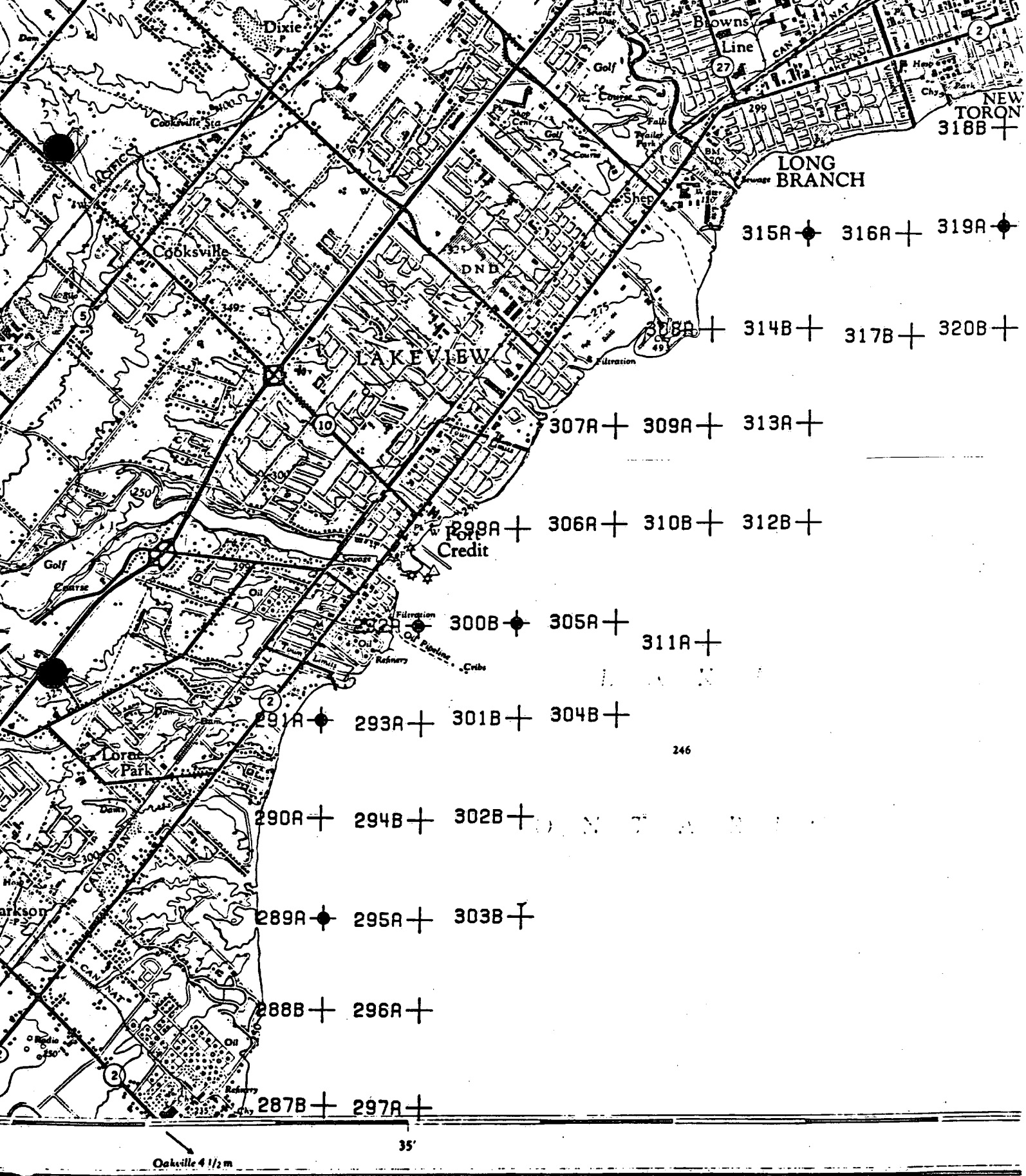
Copies may be obtained from the Map Distribution Office.

HAMILTO



Palermo 2m
To Hamilton Appleby 1½m Burlington ½m
Bronte
Bronte Sta
Oil Refinery
Shop Cent
Sewage
Reservoir
Control Valve
Golf Course
Filtration
ELIZABETH GARDENS
BM 335
BM 258
BM 269
25'
20'
07
06
03
02
01
99
98
96
800
03
04
05
06
07
08
09
10
11
264A
267A
263A
259A
262A
258B
260A
261B
257A
255A
254A
256A
261B
252B
217B
250A
253B
216B
249B
215B
214A
213A
212A
PU
PT
O
9


CANADA
1:50,000
Sheridan 3/4m
Sheridan 1m
To Toronto
Clarkson 2m
Clarkson 1 3/4m
05
06
07
08
09
11
12
13
14
15
282B
286A
298A
283B
285B
280A
284A
276A
279A
273A
277A
270B
271A
278B
269B
272A
266A
268B
264A
267A
263A
259A
262A
TORONTO
PEEL
HALTON
CO
KENT GARDENS
NATIONAL
OAK
RIDGES
LAKE
10



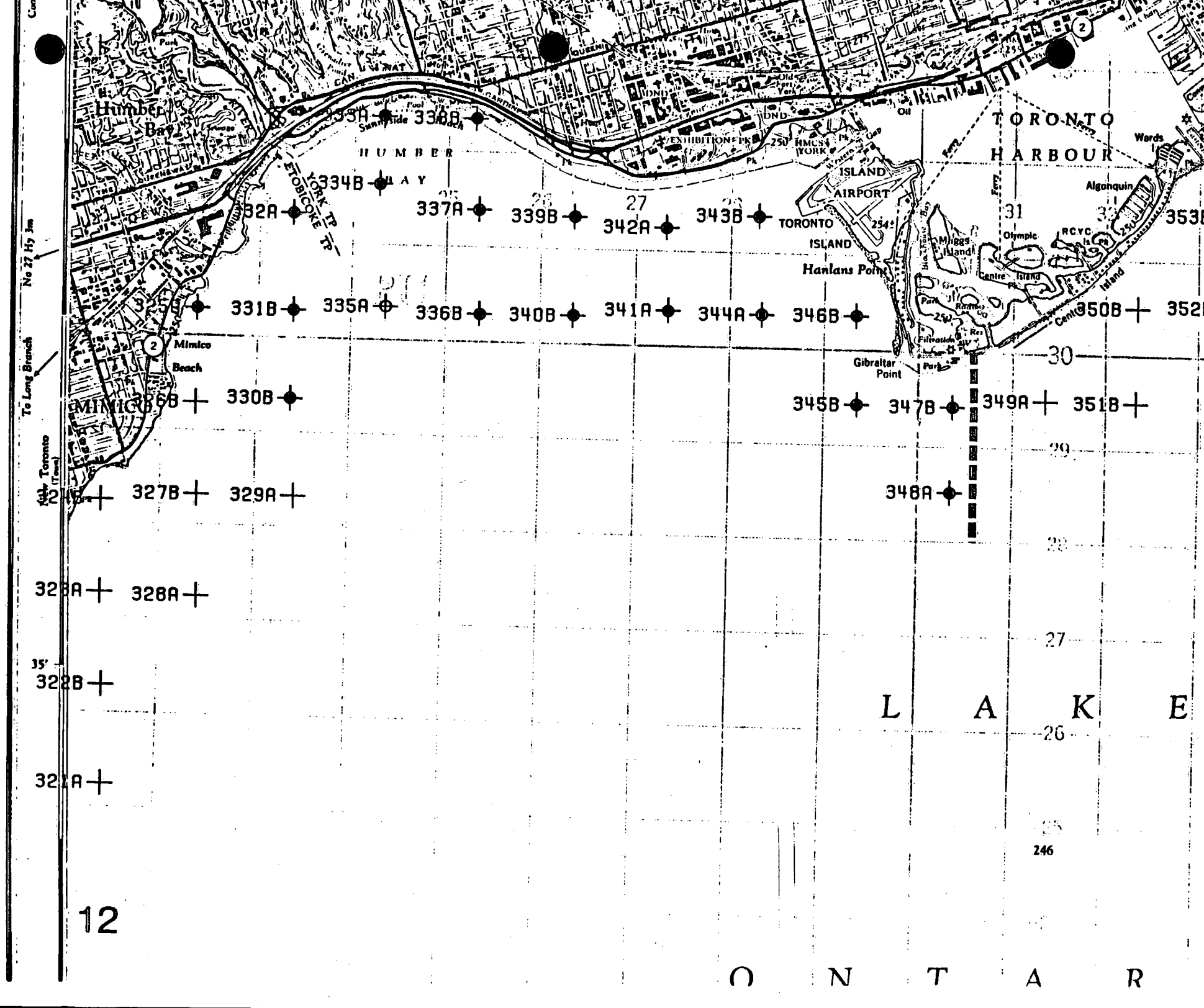
AMPTON

ONTARIO 11

CALE 1:50,000 ÉCHELLE

Publiée par le SERVICE TOPOGRAPH
(G.R.C.). Renseignements à jour en 19

Ces cartes sont en vente au Bureau de di
ministère des Mines et des Relevés techn



Humber Bay
HUMBER BAY
TORONTO HARBOUR
ISLAND AIRPORT
TORONTO ISLAND
Hanlans Point
Gibraltar Point
Mimico Beach
MIMICO
Wards
Algonquin
Olympic
RCYC
Centre Island
Mugg's Island
Sunnyside Beach
YORK TP
ETOBICOKE TP
EXHIBITION PK
HMCS YORK
No 27 Hy 3m
To Long Branch
New Toronto (Town)
333A
338B
334B
332A
337A
339B
342A
343B
331B
335A
336B
340B
341A
344A
346B
350B
330B
345B
347B
349A
351B
327B
329A
348A
328A
322B
321A
L A K E
O N T A R
12
246

APPENDIX 3

DECODE Listings

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 200A

LOCATION: UTM NORTH: 4790911 EAST: 604184

DEPTH: 19.1 METRES

TIME: 1400 JULY 11, 1968

SCIENTIST: BUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: BOX + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: G.T.10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT: INCLINED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 9 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETT.TUBE + SH.PIP. + SEDIGRAPH

% GRAV: 0.00 SAND: 6.29 SILT: 65.31 CLAY: 28.40

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: MUD SSC: SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

COMMENTS:
0-200 LOTS OF ORG. MATTER IN S.T. SAMPLE

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 201A

LOCATION: UTM NORTH: 4789943 EAST: 604191

DEPTH: 14.9 METRES

TIME: 1430 JULY 11, 1968

SCIENTIST: FUKAVINA
SOUNDER: TWO FREQUENCIES
SAMPLER: SHIPEK
LAUNCH/SHIP: GOSLING
POSITIONING: DECCA MINIFIX
SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: L.T..5 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: FINE-MEDIUM SAND
STRUCTURE:
COLOUR: BUFF
CONSISTENCY:
SURFACE/CONTACT:
SMELL:
PEBBLES:
HEAVY MINERALS:

UNIT: 2 THICKNESS: < .5 CMS

TEXTURE: SANDY MUD
STRUCTURE:
COLOUR: GREYISH BROWN
CONSISTENCY: FIRM
SURFACE/CONTACT:
SMELL:
PEBBLES:
HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE:
PH:

OTHER NOTES: NOTEBOOK
SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 2.36 SAND: 61.31 SILT: 28.35 CLAY: 7.98

SHEPARD LABEL: SILTY SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 2018

LOCATION: UTM NORTH: 4789943 EAST: 604194

DEPTH: 15.3 METRES

TIME: JULY 11, 1968

SCIENTIST: BUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: NONE

SAMPLE DESCRIPTION: THICKNESS: 4 - 6 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: 1 CMS

TEXTURE: MUDDY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

UNIT: 3 THICKNESS: 4 CMS

TEXTURE: SANDY MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 5.39 SAND: 52.61 SILT: 34.51 CLAY: 7.49

SHEPARD LABEL: SILTY SAND

FOLK LABELS: GSM: GRAVELLY MUDDY SAND SSC:

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 204A

LOCATION: UTM NORTH: 4789004 EAST: 603247

DEPTH: 7.9 METRES

TIME: 1530 JULY 11, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SHELL:
COLOUR: BUFF PEBBLES:
CONSISTENCY: LOOSE (SAND) HEAVY MINERALS:

UNIT: 2 THICKNESS: 2 CMS

TEXTURE: SILTY FINE-MEDIUM SAND SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SHELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: .44 SAND: 84.65 SILT: 10.98 CLAY: 3.93

SHEPARD LABEL: SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 205B

LOCATION: UTM NORTH: 4790019 EAST: 603207

DEPTH: 13.9 METRES

TIME: 1545 JULY 11, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: BOX + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 6 - 8 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: SANDY MUD SURFACE/CONTACT: COHESIVE ROLL
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: 5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: .30 SAND: 10.96 SILT: 40.86 CLAY: 47.98

SHEPARD LABEL: SILTY CLAY

FOLK LABELS: GSM: SANDY MUD SSC: SANDY MUD

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 206A

LOCATION: UTM NORTH: 4790991 EAST: 603180

DEPTH: 0.0 METRES

TIME: 1600 JULY 11, 1968

SCIENTIST: PUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: NONE

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT: INCLINED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 4 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: 3 CMS

TEXTURE: MUDDY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETT.TUBE + SH.PIP. + SEDIGRAPH

% GRAV: 0.00 SAND: 5.05 SILT: 70.73 CLAY: 24.22

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: MUD SSC: SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

COMMENTS:
0-206 LOTS OF ORG. MATTER IN S.T. SMPL.

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 2078

LOCATION: UTM NORTH: 4790954 EAST: 602135

DEPTH: 14.1 METRES

TIME: 1615 JULY 11, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 4 - 6 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT: DISTURBED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 4 CMS

TEXTURE: SILTY SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: PACKED (SAND) HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 31.15 SILT: 63.61 CLAY: 5.25

SHEPARD LABEL: SANDY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 209A

LOCATION: UTM NORTH: 4792927 EAST: 602105

DEPTH: 0.0 METRES

TIME: 1630 JULY 11, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BUFF PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: SILTY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: PACKED (SAND) HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 72.34 SILT: 24.37 CLAY: 3.28

SHEPARD LABEL: SILTY SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 210A

LOCATION: UTM NORTH: 4793889 EAST: 602140

DEPTH: 18.1 METRES

TIME: 1645 JULY 11, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: .5 - 2 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BUFF PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: 1 CMS

TEXTURE: SILTY FINE-MEDIUM SAND SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: PACKED (SAND) HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 72.10 SILT: 23.93 CLAY: 3.97

SHEPARD LABEL: SILTY SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 211B

LOCATION: UTM NORTH: 4794925 EAST: 602079

DEPTH: 22.1 METRES

TIME: 1700 JULY 11, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: SEE COMMENTS

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: SANDY MUD SURFACE/CONTACT: DISTURBED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: SILTY MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 37.11 SILT: 56.06 CLAY: 6.82

SHEPARD LABEL: SANDY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

COMMENTS:
SUB-SAMPLES - WEDGE SAMPLE AND 1 SMALL CORE.

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 212A

LOCATION: UTM NORTH: 4796415 EAST: 601839

DEPTH: 0.0 METRES

TIME: 1715 JULY 11, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT: INCLINED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: 8 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: MASSIVE SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 213A

LOCATION: UTM NORTH: 4796902 EAST: 602107

DEPTH: 32.1 METRES

TIME: 1715 JULY 11, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT: INCLINED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: 8 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: MASSIVE SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 214A

LOCATION: UTM NORTH: 4798103 EAST: 602012

DEPTH: 0.0 METRES

TIME: 1730 JULY 11, 1968

SCIENTIST: FUKAVINA
SOUNDER: TWO FREQUENCIES
SAMPLER: SHIPEK

LAUNCH/SHIP: GOSLING
POSITIONING: DECCA MINIFIX
SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD
STRUCTURE:
COLOUR: LIGHT BROWN
CONSISTENCY: SOUPY

SURFACE/CONTACT: FLAT SURFACE
SMELL:
PEBBLES:
HEAVY MINERALS:

UNIT: 2 THICKNESS: 1 CMS

TEXTURE: MUD
STRUCTURE:
COLOUR: GREYISH BROWN
CONSISTENCY: SOFT

SURFACE/CONTACT:
SMELL:
PEBBLES:
HEAVY MINERALS:

UNIT: 3 THICKNESS: 8 CMS

TEXTURE: MUD
STRUCTURE: MASSIVE
COLOUR: GREYISH BROWN
CONSISTENCY: FIRM

SURFACE/CONTACT:
SMELL:
PEBBLES:
HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE:

PH:

OTHER NOTES: NOTEBOOK

SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 215B

LOCATION: UTM NORTH: 4798757 EAST: 602158

DEPTH: 23.1 METRES

TIME: 1745 JULY 11, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: SEE COMMENTS

SAMPLE DESCRIPTION: THICKNESS: G.T.10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT: INCLINED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: 8 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: MASSIVE SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 5.59 SILT: 67.08 CLAY: 27.33

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: MUD SSC: SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 2183

LOCATION: UTM NORTH: 4789892 EAST: 601205

DEPTH: 0.0 METRES

TIME: 1000 JULY 12, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: .5 - 2 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 2 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SHELL:
COLOUR: MEDIUM BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 75.84 SILT: 22.63 CLAY: 1.53

SHEPARD LABEL: SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 219A

LOCATION: UTM NORTH: 4790879 EAST: 601174

DEPTH: 12.3 METRES

TIME: 1030 JULY 12, 1968

SCIENTIST: BUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: SEE COMMENTS

SAMPLE DESCRIPTION: THICKNESS: 4 - 6 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: SANDY MUD SURFACE/CONTACT: DISTURBED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 4 CMS

TEXTURE: MUDDY SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 58.93 SILT: 38.90 CLAY: 2.17

SHEPARD LABEL: SILTY SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

COMMENTS:
A ST STILL FINE SUSPENSION PRESENT AFTER RUN

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 220A

LOCATION: UTM NORTH: 4791861 EAST: 601186

DEPTH: 13.7 METRES

TIME: 1045 JULY 12, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: SEE COMMENTS

SAMPLE DESCRIPTION: THICKNESS: 4 - 6 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: SANDY MUD SURFACE/CONTACT: DISTURBED SURFACE
STRUCTURE: SMELL:
COLOUR: BROWNISH ORANGE PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BLACK PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: 1 CMS

TEXTURE: SILTY SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 37.51 SILT: 57.16 CLAY: 5.34

SHEPARD LABEL: SANDY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 221A

LOCATION: UTM NORTH: 4792814 EAST: 601177

DEPTH: 14.5 METRES

TIME: 1100 JULY 12, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: L.T..5 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BUFF PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 73.68 SILT: 24.51 CLAY: 1.81

SHEPARD LABEL: SILTY SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 222B

LOCATION: UTM NORTH: 4793823 EAST: 601129

DEPTH: 15.3 METRES

TIME: 1100 JULY 12, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BUFF PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 72.47 SILT: 26.31 CLAY: 1.22

SHEPARD LABEL: SILTY SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

COMMENTS:
B 2 ST STILL 1/4 TUBE OF FINE SUSPENSION LEFT

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 223B

LOCATION: UTM NORTH: 4794826 EAST: 601167

DEPTH: 19.3 METRES

TIME: 1130 JULY 12, 1968

SCIENTIST: BUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: L.T..5 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: SILTY SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: MEDIUM BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 53.28 SILT: 44.73 CLAY: 1.98

SHEPARD LABEL: SILTY SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 2248

LOCATION: UTM NORTH: 4795867 EAST: 601137

DEPTH: 25.7 METRES

TIME: 1145 JULY 12, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT: INCLINED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BLACK PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: 6 CMS

TEXTURE: MUD SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 9.35 SILT: 73.09 CLAY: 17.56

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: MUD SSC: SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 225B

LOCATION: UTM NORTH: 4796875 EAST: 601151

DEPTH: 27.9 METRES

TIME: 1200 JULY 12, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT: DISTURBED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 9 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 5.37 SILT: 61.54 CLAY: 33.09

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: MUD SSC: MUD

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 2268

LOCATION: UTM NORTH: 4797866 EAST: 601051

DEPTH: 21.9 METRES

TIME: 1215 JULY 12, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT: FLAT SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 4 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: 5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 10.10 SILT: 62.48 CLAY: 27.42

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 230A

LOCATION: UTM NORTH: 4797855 EAST: 600018

DEPTH: 13.9 METRES

TIME: 1415 JULY 12, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT: INCLINED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 9 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 42.79 SILT: 43.62 CLAY: 13.60

SHEPARD LABEL: SANDY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 231A

LOCATION: UTM NORTH: 4796818 EAST: 600065

DEPTH: 22.3 METRES

TIME: 1430 JULY 12, 1968

SCIENTIST: BUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: G.T.10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT: INCLINED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 10 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: DARK GREY PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOCK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

GRAV: 0.00 SAND: 7.50 SILT: 67.16 CLAY: 25.34

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: MUD SSC: SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIC STATION: 232A

LOCATION: UTM NORTH: 4795863 EAST: 600048

DEPTH: 22.7 METRES

TIME: 1445 JULY 12, 1968

SCIENTIST: BUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: NONE

SAMPLE DESCRIPTION: THICKNESS: CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: CMS

TEXTURE: SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 9.77 SILT: 67.92 CLAY: 22.31

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSN: MUD SSC: SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 233A

LOCATION: UTM NORTH: 4794806 EAST: 600142

DEPTH: 17.7 METRES

TIME: 1500 JULY 12, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: .5 - 2 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: SILTY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BUFF PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: 1 CMS

TEXTURE: SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: PACKED (SAND) HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

GRAV: 0.00 SAND: 56.44 SILT: 41.73 CLAY: 1.83

SHEPARD LABEL: SILTY SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 234A

LOCATION: UTM NORTH: 4793809 EAST: 600157

DEPTH: 14.3 METRES

TIME: 1515 JULY 12, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 4 - 6 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: SANDY MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: < .5 CMS

TEXTURE: SILTY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BUFF PEBBLES:
CONSISTENCY: PACKED (SAND) HEAVY MINERALS:

UNIT: 3 THICKNESS: 3 CMS

TEXTURE: SILTY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: PACKED (SAND) HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 79.21 SILT: 18.49 CLAY: 2.29

SHEPARD LABEL: SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 235B

LOCATION: UTM NORTH: 4792800 EAST: 600246

DEPTH: 13.5 METRES

TIME: 1530 JULY 12, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUDDY SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWNISH BUFF PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: < .5 CMS

TEXTURE: SILTY FINE-MEDIUM SAND SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: BROWNISH BUFF PEBBLES:
CONSISTENCY: PACKED (SAND) HEAVY MINERALS:

UNIT: 3 THICKNESS: 2 CMS

TEXTURE: SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: PACKED (SAND) HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 56.58 SILT: 41.00 CLAY: 2.42

SHEPARD LABEL: SILTY SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 236A

LOCATION: UTM NORTH: 4791817 EAST: 600178

DEPTH: 12.9 METRES

TIME: 1545 JULY 12, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BUFF PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: SILTY FINE-MEDIUM SAND SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: PACKED (SAND) HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 79.50 SILT: 18.70 CLAY: 1.81

SHEPARD LABEL: SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 237B

LOCATION: UTM NORTH: 4790373 EAST: 600137

DEPTH: 6.5 METRES

TIME: 1600 JULY 12, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: SEE COMMENTS

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 3 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BUFF PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 94.55 SILT: 3.16 CLAY: 2.29

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

COMMENTS:
SUB-SAMPLES - 2 BOXES, 1 WEDGE SAMPLE.

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 238A

LOCATION: UTM NORTH: 479188 EAST: 599137

DEPTH: 2.3 METRES

TIME: 1415 JULY 17, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 6 - 8 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: SILT SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREENISH BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 7 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWNISH GREY PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 96.06 SILT: 1.41 CLAY: 2.53

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 239A

LOCATION: UTM NORTH: 4792306 EAST: 599121

DEPTH: 7.9 METRES

TIME: 1430 JULY 17, 1969

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: SILT SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 92.31 SILT: 4.66 CLAY: 3.03

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZCIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 2403

LOCATION: UTM NORTH: 4793869 EAST: 599150

DEPTH: 11.9 METRES

TIME: 1500 JULY 17, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: SEE COMMENTS SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREENISH BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWNISH GREY PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 55.79 SILT: 40.48 CLAY: 3.73

SHEPARD LABEL: SILTY SAND

FOLK LABELS: GSC: MUDDY SAND SSC: SILTY SAND

SEE SIZOIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIC STATION: 241A

LOCATION: UTM NORTH: 4794776 EAST: 599182

DEPTH: 14.5 METRES

TIME: 1515 JULY 17, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: SILTY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 71.49 SILT: 25.25 CLAY: 3.25

SHEPARD LABEL: SILTY SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZEIST OUTPUT FOR DETAILED SIZE STATISTICS

COMMENTS:
A ST STILL MED-FINE MAT. LEFT 1/2 WAY UP TUBE

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 242A

LOCATION: UTM NORTH: 4795858 EAST: 599113

DEPTH: 18.9 METRES

TIME: 1600 JULY 17, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: NONE

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 2 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 8 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: DARK GREY PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETT.TUBE + SH.PIP. + SEDIGRAPH

% GRAV: 2.18 SAND: 11.49 SILT: 67.14 CLAY: 19.18

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSP: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

COMMENTS:
C-242 ORG. MATTER PRESENT IN S.T. SAMPLE

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 243B

LOCATION: UTM NORTH: 4796855 EAST: 599086

DEPTH: 15.3 METRES

TIME: 1615 JULY 17, 1969

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWNISH GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 2 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 3 THICKNESS: 8 CMS

TEXTURE: SILTY FINE-MEDIUM SAND SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: GREY PEBBLES:
CONSISTENCY: STIFF HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 17.88 SILT: 62.02 CLAY: 20.10

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 244 A

LOCATION: UTM NORTH: 4797340 EAST: 599028

DEPTH: 4.9 METRES

TIME: 1615 JULY 17, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: L.T..5 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: PEBBLY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWNISH GREY PEBBLES: SUBANGULAR RED SHALE
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE: BEDROCK INFERRED, ROCK CHIPS
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 98.04 SILT: 1.32 CLAY: .65

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 245A

LOCATION: UTM NORTH: 4796793 EAST: 598253

DEPTH: 8.7 METRES

TIME: 1645 JULY 17, 1968

SCIENTIST: BUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TWO BOXES

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWNISH GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 2 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 3 THICKNESS: 2 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: GREY PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 89.99 SILT: 6.35 CLAY: 3.66

SHEPARD LABEL: SAND

FOLK LABELS: GSM: MUDDY SAND SSC: MUDDY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

COMMENTS:
A ST VERY LITTLE FINE SUSPENSION LEFT.

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 2468

LOCATION: UTM NORTH: 4795848 EAST: 598183

DEPTH: 11.1 METRES

TIME: 1730 JULY 17, 1968

SCIENTIST: PUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREENISH BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREY PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 82.16 SILT: 14.32 CLAY: 3.52

SHEPARD LABEL: SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 247B

LOCATION: UTM NORTH: 4794989 EAST: 597983

DEPTH: 5.7 METRES

TIME: 1745 JULY 17, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREENISH BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREY PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 248 B

LOCATION: UTM NORTH: 4794005 EAST: 597963

DEPTH: .5 METRES

TIME: 1800 JULY 17, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: NONE

SAMPLE DESCRIPTION: THICKNESS: 4 - 6 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 5 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWNISH GREY PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 95.98 SILT: 1.55 CLAY: 2.47

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 2498

LOCATION: UTM NORTH: 4799940 EAST: 603011

DEPTH: 21.1 METRES

TIME: 1015 JULY 18, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 2 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 8 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREY PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 13.29 SILT: 65.22 CLAY: 21.49

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 2518

LOCATION: UTM NORTH: 4801970 EAST: 602960

DEPTH: 2.5 METRES

TIME: 1045 JULY 18, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: L.T..5 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 79.16 SILT: 12.87 CLAY: 7.97

SHEPARD LABEL: SAND

FOLK LABELS: GSM: MUDDY SAND SSC: MUDDY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 253 B

LOCATION: UTM NORTH: 4801022 EAST: 603961

DEPTH: 19.9 METRES

TIME: 1145 JULY 18, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWNISH GREY PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREY PEBBLES: RED SHALE
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE: BEDROCK INFERRED, ROCK CHIPS
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 5.91 SILT: 57.24 CLAY: 36.85

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSC: MUD SSC: MUD

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 258B

LOCATION: UTM NORTH: 4804955 EAST: 604916

DEPTH: 5.1 METRES

TIME: 1330 JULY 18, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 6 - 8 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 8 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SHELL:
COLOUR: BROWNISH GREY PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 88.67 SILT: 8.06 CLAY: 3.28

SHEPARD LABEL: SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 260A

LOCATION: UTM NORTH: 4804970 EAST: 605917

DEPTH: 14.5 METRES

TIME: 1415 JULY 18, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 6 - 8 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWNISH GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 7 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREY PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: < .5 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREY PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 24.55 SILT: 59.02 CLAY: 16.33

SHEPARD LABEL: SANDY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 261B

LOCATION: UTM NORTH: 4805002 EAST: 606923

DEPTH: 25.5 METRES

TIME: 1430 JULY 18, 1968

SCIENTIST: BUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 3 CMS

TEXTURE: PEBBLY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREY PEBBLES: RED SHALE
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE: BEDROCK INFERRED, ROCK CHIPS
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 82.90 SILT: 11.92 CLAY: 5.18

SHEPARD LABEL: SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 2683

LOCATION: UTM NORTH: 4809031 EAST: 608840

DEPTH: 24.7 METRES

TIME: 930 JULY 20, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: G.T.10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT: DISTURBED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BLACK PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: 2 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: REDDISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

UNIT: 4 THICKNESS: 4 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 1.83 SILT: 62.36 CLAY: 35.81

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: MUD SSC: MUD

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 274

LOCATION: UTM NORTH: 4813046 EAST: 609754

DEPTH: 3.2 METRES

TIME: 1045 JULY 20, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: L.T..5 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: PEBBLY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BUFF PEBBLES: ANGULAR GREEN MIXED
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 96.54 SILT: 1.68 CLAY: 1.78

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 278B

LOCATION: UTM NORTH: 4911066 EAST: 610792

DEPTH: 24.9 METRES

TIME: 1200 JULY 20, 1968

SCIENTIST: RUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 2 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: < .5 CMS

TEXTURE: SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREEN PEBBLES: GREEN MIXED
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE: BEDROCK INFERRED, ROCK CHIPS
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 23.00 SILT: 52.48 CLAY: 24.52

SHEPARD LABEL: SAN SIL CLY

FOLK LABELS: GSC: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 282B

LOCATION: UTM NORTH: 4816151 EAST: 612691

DEPTH: 6.1 METRES

TIME: 1300 JULY 20, 1968

SCIENTIST: EUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT: IRREGULAR
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 2 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BUFF PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 87.91 SILT: 9.03 CLAY: 3.06

SHEPARD LABEL: SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 2838

LOCATION: UTM NORTH: 4815159 EAST: 612671

DEPTH: 13.3 METRES

TIME: 1415 JULY 20, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT: INCLINED SURFACE
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: SANDY MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: 6 CMS

TEXTURE: MUDDY SAND SURFACE/CONTACT:
STRUCTURE: SMELL: SEWAGE SMELL
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 24.59 SILT: 53.89 CLAY: 21.52

SHEPARD LABEL: SAN SIL CLY

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 284A

LOCATION: UTM NORTH: 4814126 EAST: 612718

DEPTH: 0.0 METRES

TIME: 1430 JULY 20, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: .5 - 2 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 1 CMS

TEXTURE: PEBBLY SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BUFF PEBBLES: SUBROUNDED GREEN SHALE
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 96.42 SILT: 2.96 CLAY: .62

SHEPARD LABEL: SAND

FOLK LABELS: GSP: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 285B

LOCATION: UTM NORTH: 4815190 EAST: 613697

DEPTH: 22.1 METRES

TIME: 1445 JULY 20, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: .5 - 2 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BLACK PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 7.15 SILT: 67.94 CLAY: 24.90

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: MUD SSC: SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 286A

LOCATION: UTM NORTH: 4816158 EAST: 613665

DEPTH: 16.1 METRES

TIME: 1445 JULY 20, 1969

SCIENTIST: BUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: SEE COMMENTS SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: 2 CMS

TEXTURE: PEBBLY SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES: GREEN SHALE
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 87.49 SILT: 8.86 CLAY: 3.65

SHEPARD LABEL: SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 289A

LOCATION: UTM NORTH: 4819125 EAST: 613622

DEPTH: 6.5 METRES

TIME: 1515 JULY 20, 1968

SCIENTIST: FUKAMINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 4 - 6 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 5 CMS

TEXTURE: SHELLY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SHELL:
COLOUR: BROWNISH BUFF PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 97.15 SILT: .51 CLAY: 2.34

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 291 A

LOCATION: UTM NORTH: 4821154 EAST: 613576

DEPTH: 4.1 METRES

TIME: 1545 JULY 20, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: .5 - 2 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS: ABUNDANT

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 98.82 SILT: .73 CLAY: .45

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 292B

LOCATION: UTM NORTH: 4822120 EAST: 614566

DEPTH: 3.2 METRES

TIME: 1700 JULY 20, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: L.T..5 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 97.22 SILT: 2.06 CLAY: .72

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 300A

LOCATION: UTM NORTH: 4822160 EAST: 615559

DEPTH: 11.3 METRES

TIME: 1200 JULY 21, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: CMS

TEXTURE: PEBBLY MEDIUM-COARSE SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES: GREEN SHALE
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: CMS

TEXTURE: GRAVEL SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: PEBBLES: GREEN MIXED
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE AND SHORT PIPETTE

% GRAV: 13.34 SAND: 85.96 SILT: .46 CLAY: .25

SHEPARD LABEL: SAND

FOLK LABELS: GSM: GRAVELLY SAND SSC:

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 304B

LOCATION: UTM NORTH: 4821232 EAST: 616581

DEPTH: 20.5 METRES

TIME: 1300 JULY 21, 1966

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: CMS

TEXTURE: PEBBLY MEDIUM-COARSE SAND SURFACE/CONTACT: FLAT SURFACE
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES: ANGULAR GREEN SHALE
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: CMS

TEXTURE: MUDDY MEDIUM-COARSE SAND SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

SEDIMENT BASE: BEDROCK INFERRED, ROCK CHIPS
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

TYPE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 92.80 SILT: 4.47 CLAY: 2.73

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 315A

LOCATION: UTM NORTH: 4826147 EAST: 618471

DEPTH: 8.1 METRES

TIME: 1730 JULY 21, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 3 CMS

TEXTURE: MUDDY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

GF ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 95.09 SILT: 3.67 CLAY: 1.25

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

COMMENTS:
A FINE SUSPENSION LEFT 1/2 WAY UP TUBE

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 3158

LOCATION: UTM NORTH: 4826171 EAST: 618481

DEPTH: 0.0 METRES

TIME: 1730 JULY 21, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: .5 - 2 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 2 CMS

TEXTURE: SILTY SAND SURFACE/CONTACT:
STRUCTURE: SHELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 89.08 SILT: 8.98 CLAY: 1.95

SHEPARD LABEL: SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 319A

LOCATION: UTM NORTH: 4826233 EAST: 620446

DEPTH: 0.0 METRES

TIME: 1100 JULY 22, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 6 - 8 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: CMS

TEXTURE: SEE COMMENTS SURFACE/CONTACT:
STRUCTURE: SHELL:
COLOUR: BLACK PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SHELL:
COLOUR: GREY PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 95.82 SILT: 1.75 CLAY: 2.43

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

COMMENTS:
A VERY SMALL AMOUNT OF ORGANIC MATERIAL LEFT AFTER RUN
SURFACE LAYER OF WOOD CHIPS, SNAIL SHELLS, BLACK ORGANIC MATTER.

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 319B

LOCATION: UTM NORTH: 4926247 EAST: 620449

DEPTH: 16.3 METRES

TIME: 1100 JULY 22, 1968

SCIENTIST: PUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: NONE

SAMPLE DESCRIPTION: THICKNESS: L.T..5 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: CLAYEY SILT SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: LIGHT BROWN PEBBLES:
CONSISTENCY: STIFF HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 7.98 SILT: 36.26 CLAY: 55.76

SHEPARD LABEL: SILTY CLAY

FOLK LABELS: GSM: MUD SSC: MUD

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 325A

LOCATION: UTM NORTH: 4830279 EAST: 622355

DEPTH: 2.5 METRES

TIME: 1245 JULY 22, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: CMS

TEXTURE: CLAYEY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SHELL:
COLOUR: BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 60.73 SILT: 29.41 CLAY: 9.85

SHEPARD LABEL: SILTY SAND

FOLK LABELS: GSM: MUDDY SAND SSC: SILTY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 330B

LOCATION: UTM NORTH: 4829346 EAST: 623372

DEPTH: 18.7 METRES

TIME: 1400 JULY 22, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 9 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREENISH BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: 10 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BLACK PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 23.92 SILT: 51.92 CLAY: 24.16

SHEPARD LABEL: SAN SIL CLY

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 3318

LOCATION: UTM NORTH: 4830282 EAST: 623383

DEPTH: 15.1 METRES

TIME: 1015 JULY 23, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: DARK GREY PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 3 THICKNESS: CMS

TEXTURE: SANDY MUD SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: BROWNISH GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 11.70 SILT: 62.04 CLAY: 26.26

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 332A

LOCATION: UTM NORTH: 4831307 EAST: 623360

DEPTH: 7.1 METRES

TIME: 1030 JULY 23, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: SEE COMMENTS

SAMPLE DESCRIPTION: THICKNESS: 6 - 8 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREEN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: CMS

TEXTURE: SILTY FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: PEBBLES:
CONSISTENCY: STIFF HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 14.43 SILT: 67.12 CLAY: 18.44

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

COMMENTS:
SUB-SAMPLES - 2 BOXES, LARGE CORE.

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 333A

LOCATION: UTM NORTH: 4832347 EAST: 624314

DEPTH: 4.5 METRES

TIME: 1045 JULY 23, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: CMS

TEXTURE: MEDIUM-COARSE SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

UNIT: 2 THICKNESS: CMS

TEXTURE: SILTY CLAY SURFACE/CONTACT: COHESIVE ROLL
STRUCTURE: SMELL:
COLOUR: GREY PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 75.51 SILT: 14.85 CLAY: 9.64

SHEPARD LABEL: SAND

FOLK LABELS: GSN: MUDDY SAND SSC: MUDDY SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 334B

LOCATION: UTM NORTH: 4831632 EAST: 624280

DEPTH: 10.7 METRES

TIME: 1100 JULY 23, 1968

SCIENTIST: FUKAVINA
SOUNDER: TWO FREQUENCIES
SAMPLER: SHIPEK

LAUNCH/SHIP: GOSLING
POSITIONING: DECCA MINIFIX
SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD
STRUCTURE:
COLOUR: GREENISH BROWN
CONSISTENCY: SOUPY

SURFACE/CONTACT:
SMELL:
PEBBLES:
HEAVY MINERALS:

UNIT: 2 THICKNESS: 7 CMS

TEXTURE: MUD
STRUCTURE:
COLOUR: GREENISH BROWN
CONSISTENCY: STIFF

SURFACE/CONTACT: GRADATIONAL
SMELL:
PEBBLES:
HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE:

PH:

OTHER NOTES: NOTEBOOK

SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 7.87 SILT: 65.44 CLAY: 26.69

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: MUD SSC: SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 335A

LOCATION: UTM NORTH: 4830337 EAST: 624368

DEPTH: 18.5 METRES

TIME: 1115 JULY 23, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: CMS

TEXTURE: SILTY MUD SURFACE/CONTACT:
STRUCTURE: LAMINATED SMELL:
COLOUR: GREYISH GREEN PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: CMS

TEXTURE: MUD SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: GREYISH GREEN PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 3368

LOCATION: UTM NORTH: 4830283 EAST: 625362

DEPTH: 19.1 METRES

TIME: 1145 JULY 23, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: LAMINATED SMELL:
COLOUR: GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 9 CMS

TEXTURE: SANDY MUD SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: GREENISH BROWN PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 11.45 SILT: 67.82 CLAY: 20.74

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZTIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 337A

LOCATION: UTM NORTH: 4831381 EAST: 625343

DEPTH: 13.1 METRES

TIME: 1200 JULY 23, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWNISH GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: LAMINATED SMELL:
COLOUR: GREENISH BLACK PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 7.00 SILT: 72.18 CLAY: 20.81

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: MUD SSC: SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 3383

LOCATION: UTM NORTH: 4832343 EAST: 625289

DEPTH: 4.5 METRES

TIME: 1230 JULY 23, 1968

SCIENTIST: PUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 6 - 8 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: 8 CMS

TEXTURE: PEBBLY MEDIUM-COARSE SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREYISH BROWN PEBBLES: MIXED
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE AND SHORT PIPETTE

% GRAV: 6.86 SAND: 92.07 SILT: .03 CLAY: 1.04

SHEPARD LABEL: SAND

FOLK LABELS: GSM: GRAVELLY SAND SSC:

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 339B

LOCATION: UTM NORTH: 4831326 EAST: 626353

DEPTH: 11.5 METRES

TIME: 1445 JULY 23, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWNISH GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: CMS

TEXTURE: MEDIUM-COARSE SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 39.11 SILT: 53.38 CLAY: 7.51

SHEPARD LABEL: SANDY SILT

FOLK LABELS: GSC: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 340B

LOCATION: UTM NORTH: 4830287 EAST: 626349

DEPTH: 19.7 METRES

TIME: 1500 JULY 23, 1968

SCIENTIST: BUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 1 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: BROWN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 3 THICKNESS: CMS

TEXTURE: SILT SURFACE/CONTACT: GRADATIONAL
STRUCTURE: LAMINATED SMELL:
COLOUR: GREY PEBBLES:
CONSISTENCY: STIFF HEAVY MINERALS:

UNIT: 4 THICKNESS: CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 5.45 SILT: 67.11 CLAY: 27.45

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: MUD SSC: SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 3418

LOCATION: UTM NORTH: 4830333 EAST: 627342

DEPTH: 19.1 METRES

TIME: 1515 JULY 23, 1968

SCIENTIST: BUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SNIPER SUB-SAMPLES: SEE COMMENTS

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREENISH BROWN PEBBLES:
CONSISTENCY: SOFT HEAVY MINERALS:

UNIT: 3 THICKNESS: CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREY PEBBLES:
CONSISTENCY: MEDIUM FIRM HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NONE SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 13.81 SILT: 64.59 CLAY: 21.60

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

COMMENTS:
SUB-SAMPLES - 2 CORES.

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 342A

LOCATION: UTM NORTH: 4831234 EAST: 627324

DEPTH: 10.7 METRES

TIME: 1530 JULY 23, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TWO BOXES

SAMPLE DESCRIPTION: THICKNESS: 2 - 4 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 2 CMS

TEXTURE: MUD SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: GREY PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 3 THICKNESS: < .5 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL:
COLOUR: PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: .05 SAND: 21.15 SILT: 63.94 CLAY: 14.86

SHEPARD LABEL: SANDY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 3438

LOCATION: UTM NORTH: 4831374 EAST: 628303

DEPTH: 9.7 METRES

TIME: 1600 JULY 23, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TOTAL SAMPLE

SAMPLE DESCRIPTION: THICKNESS: L.T..5 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREY PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 1.50 SAND: 88.93 SILT: 6.70 CLAY: 2.87

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 344A

LOCATION: UTM NORTH: 4830338 EAST: 628343

DEPTH: 11.3 METRES

TIME: 1615 JULY 23, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TWO BOXES

SAMPLE DESCRIPTION: THICKNESS: 6 - 8 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT: DISTURBED SURFACE
STRUCTURE: SMELL:
COLOUR: GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: CMS

TEXTURE: SANDY MUD SURFACE/CONTACT: GRADATIONAL
STRUCTURE: SMELL: SEWAGE SMELL
COLOUR: GREYISH GREEN PEBBLES:
CONSISTENCY: STIFF HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

GRAV: 0.00 SAND: 10.05 SILT: 73.14 CLAY: 16.81

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSP: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 345B

LOCATION: UTM NORTH: 4829419 EAST: 629360

DEPTH: 15.1 METRES

TIME: 1630 JULY 23, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: TWO BOXES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 10 CMS

TEXTURE: SANDY MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREENISH GREY PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 24.15 SILT: 58.39 CLAY: 17.46

SHEPARD LABEL: SANDY SILT

FOLK LABELS: GSM: SANDY MUD SSC: SANDY SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 346B

LOCATION: UTM NORTH: 4830349 EAST: 629343

DEPTH: 5.1 METRES

TIME: 1645 JULY 23, 1969

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 4 - 6 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SEE COMMENTS SHELL:
COLOUR: BROWNISH BLACK PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETTLING TUBE + SHORT PIPETTE

% GRAV: 0.00 SAND: 94.94 SILT: 3.30 CLAY: 1.76

SHEPARD LABEL: SAND

FOLK LABELS: GSM: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 347B

LOCATION: UTM NORTH: 4829413 EAST: 630373

DEPTH: 3.8 METRES

TIME: 1115 JULY 25, 1968

SCIENTIST: FUKAVINA LAUNCH/SHIP: GOSLING
SOUNDER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 4 - 6 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: < .5 CMS

TEXTURE: MUD SURFACE/CONTACT:
STRUCTURE: SMELL:
COLOUR: GREEN PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

UNIT: 2 THICKNESS: 5 CMS

TEXTURE: FINE-MEDIUM SAND SURFACE/CONTACT:
STRUCTURE: SEE COMMENTS SMELL:
COLOUR: BROWNISH BUFF PEBBLES:
CONSISTENCY: HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SIEVE + SETT.TUBE + SH.PIP. + SEDIGRAPH

% GRAV: .15 SAND: 96.42 SILT: 3.43 CLAY: 0.00

SHEPARD LABEL: SAND

FOLK LABELS: GSN: SAND SSC: SAND

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

PROGRAM DECODE DECODED NEARSHORE DATA

LAKE: ONTARIO STATION: 348A

LOCATION: UTM NORTH: 4828511 EAST: 630355

DEPTH: 54.1 METRES

TIME: 1130 JULY 25, 1968

SCIENTIST: PUKAVINA LAUNCH/SHIP: GOSLING
SOUNCER: TWO FREQUENCIES POSITIONING: DECCA MINIFIX
SAMPLER: SHIPEK SUB-SAMPLES: 2 BOXES + 2 CORES

SAMPLE DESCRIPTION: THICKNESS: 8 - 10 CMS
NOTE: UNIT 1 IS TOP UNIT

UNIT: 1 THICKNESS: CMS

TEXTURE: MUD SURFACE/CONTACT: DISTURBED SURFACE
STRUCTURE: SHELL:
COLOUR: GREENISH GREY PEBBLES:
CONSISTENCY: SOUPY HEAVY MINERALS:

SEDIMENT BASE:
TEMPERATURE: PH:

OTHER NOTES: NOTEBOOK SAMPLE PHOTO: NO
UNDERWATER PHOTO: NO

SIZE ANALYSIS: SHORT PIPETTE ONLY

% GRAV: 0.00 SAND: 9.38 SILT: 62.97 CLAY: 27.65

SHEPARD LABEL: CLAYEY SILT

FOLK LABELS: GSM: MUD SSC: SILT

SEE SIZDIST OUTPUT FOR DETAILED SIZE STATISTICS

APPENDIX 4

SIZDIST Listings

0-200 170475 SIEVE,SFTT.TUBE,PIPET,SEDIGRAPH SAMP WT= 20.5236

PHI	PCT.	CUMPCT.	02/06/90
-.50	0.00		
0.00	0.00	0.00	
0.50	0.00	0.00	
1.00	0.00	0.00	
1.50	0.00	0.00	
2.00	.29	.29	
2.50	.29	.57	*
3.00	.57	1.14	**
3.50	1.72	2.86	***
4.00	3.43	6.29	
4.50	0.00	6.29	
5.00	5.68	11.97	******
5.50	12.30	24.28	**********
6.00	17.04	41.31	**********
6.50	11.36	52.67	**********
7.00	8.52	61.19	********
7.50	5.68	66.87	******
8.00	4.73	71.60	*****
8.50	3.79	75.39	****
9.00	4.73	80.12	*****
9.50	4.73	84.86	*****
10.00	1.89	86.75	**
*****	13.25	100.00	**********

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
6.36	1.56	.09	-.11	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 10.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	6.38	5TH	3.81	16TH	5.16	25TH	5.52	
			75TH	8.45	84TH	9.41	95TH	******	
PCT. GRAVEL	0.00	SAND	6.29	SILT (PIPETTE)	93.71	CLAY (PIPETTE)	0.00		
				(SEDIGRAPH)	65.31	(SEDIGRAPH)	28.40		
GRAVEL+SAND	6.29	SILT/(SILT+CLAY)	69.70	PCT.GRAV+SAND/SILT+CLAY	.07				

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SGS)-SILT

COMMENTS -
0-200 LOTS OF ORG. MATTER IN S.T. SAMPLE *

FUK 201 A SIEVE AND PIPETTE(2) SAMP WT= 19.2433

PCT. GRAVEL 2.35 SAND 61.31 SILT (PIPETTE) 28.35 CLAY (PIPETTE) 7.99

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 63.67 SILT/(SILT+CLAY) 78.03PCT.GRAV+SAND/SILT+CLAY 1.75

LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

RUK 201 B SIEVE AND PIPETTE(2) SAMP WT= 16.9238

PCT. GRAVEL 5.39 SAND 52.61 SILT (PIPETTE) 34.51 CLAY (PIPETTE) 7.49

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 58.00 SILT/(SILT+CLAY) 82.17PCT.GRAV+SAND/SILT+CLAY 1.38

LANDS SHEPARD -SILTY SAND FOLK(GMS)-GRAVELLY MUDDY SAND (SCS)-

RUK 204 4 SIEVE AND PIPETTE(2) SAMP WT= 19.0870

PCT. GRAVEL .44 SAND 84.65 SILT (PIPETTE) 10.98 CLAY (PIPETTE) 3.93

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 85.09 SILT/(SILT+CLAY) 73.65PCT.GRAV+SAND/SILT+CLAY 5.71

LABELS SHEPARD -SAND FOLK(G'S)-MUDDY SAND (SCS)-SILTY SAND

RUK 265 B SIEVE AND PIPETTE(2) SAMP WT= 19.4325

PCT. GRAVEL .30 SAND 10.86 SILT (PIPETTE) 40.86 CLAY (PIPETTE) 47.99

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 11.16 SILT/(SILT+CLAY) 45.99PCT.GRAV+SAND/SILT+CLAY .13

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-SANDY MUD (SOS)-SANDY MUD

0-206 170475 SIEVE,SETT.TUBE,PIPET,SEDIGRAPH SAMP WT= 20.1413

PHI	PCT.	CUMPCT.	02/05/80
-.50	0.00	0.00	
0.00	0.00	0.00	
.50	0.00	0.00	
1.00	0.00	0.00	
1.50	.03	.03	
2.00	.28	.32	
2.50	.32	.63	
3.00	.63	1.26	*
3.50	.95	2.21	*
4.00	2.84	5.05	***
4.50	1.94	6.99	**
5.00	8.72	15.71	*********
5.50	16.96	32.66	*****************
6.00	16.96	49.62	*****************
6.50	9.69	59.31	**********
7.00	6.73	66.09	*******
7.50	5.81	71.90	******
8.00	3.88	75.78	****
8.50	2.91	78.68	***
9.00	3.88	82.56	****
9.50	2.91	85.47	***
10.00	3.88	89.34	****
*****	10.66	100.00	**********

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
6.20	1.57	.25	.08	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 10.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	6.02	5TH	3.99	16TH	5.01	25TH 5.27
			75TH	7.90	84TH	9.25	95TH******
PCT. GRAVEL	0.00	SAND	5.05	SILT (PIPETTE)	94.95	CLAY (PIPETTE)	0.00
				(SEDIGRAPH)	70.73	(SEDIGRAPH)	24.22
GRAVEL+SAND	5.05	SILT/(SILT+CLAY)	74.49	PCT.GRAV+SAND/SILT+CLAY			.05

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SOS)-SILT

COMMENTS -
0-206 LOTS OF ORG. MATTER IN S.T. SMPL. *

ROK 207 S SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 70.9667

PHI	PCT.	CUMPCT.	02/06/80
-.50	.00	.00	
0.00	0.00	.00	
0.50	0.00	.00	
1.00	0.00	.00	
1.50	1.78	1.78	**
2.00	3.56	5.34	****
2.50	2.22	7.56	**
3.00	9.34	16.91	**********
3.50	14.24	31.15	**************
4.00	63.61	94.75	**********
8.00	5.25	100.00	*****
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.24	.61	-.55	.06	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	5.19	5TH	2.45	16TH	3.45	25TH	3.78
			75TH	5.75	84TH	7.32	95TH	******

PCT	GRAVEL	0.00	SAND	31.15	SILT (PIPETTE)	63.61	CLAY (PIPETTE)	5.25
					(SEDIGRAPH)	0.00	(SEDIGRAPH)	0.00

GRAVEL+SAND 31.15 SILT/(SILT+CLAY) 92.38PCT.GRAV+SAND/SILT+CLAY .45

LABELS SHEPARD -SANDY SILT FOLK(SMG)-SANDY MUD (SOS)-SANDY SILT

RUB 209 A SIEVE AND PIPETTE(2) SAMP WT= 20.4230
PCT. GRAVEL 0.00 SAND 72.34 SILT (PIPETTE) 24.37 CLAY (PIPETTE) 3.28
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00
GRAVEL+SAND 72.34 SILT/(SILT+CLAY) 88.14PCT.GRAV+SAND/SILT+CLAY 2.62
LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SGS)-SILTY SAND

RUB 210 4 SIEVE AND PIPETTE(2) SAMP WT= 17.2734

PCT. GRAVEL 0.00 SAND 72.10 SILT (PIPETTE) 23.93 CLAY (PIPETTE) 3.97

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 72.10 SILT/(SILT+CLAY) 85.77PCT.GRAV+SAND/SILT+CLAY 2.58

LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

RUB 211 B SIEVE AND PIPETTE(2) SAMP WT= 19.7914

PCT. GRAVEL 0.00 SAND 37.11 SILT (PIPETTE) 56.05 CLAY (PIPETTE) 6.82

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 37.11 SILT/(SILT+CLAY) 89.15PCT.GRAV+SAND/SILT+CLAY .59

LABELS SHEPARD -SANDY SILT FOLK(GMS)-SANDY MUD (SOS)-SANDY SILT

RUK 215 B SIEVE AND PIPETTE(2) SAMP WT= 46.0795

PCT.	GRAVEL	0.00	SAND	5.59	SILT (PIPETTE)	67.08	CLAY (PIPETTE) 27.33
					(SEDIGRAPH)	0.00	(SEDIGRAPH) 0.00

GRAVEL+SAND 5.59 SILT/(SILT+CLAY) 71.06 PCT.GRAV+SAND/SILT+CLAY .06

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SDS)-SILT

RUK 21B B SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 32.6698

02/05/60

PHI	PCT.	CUMPCT.	
-.50	.00	.00	
0.00	0.00	.00	
.50	0.00	.00	
1.00	0.00	.00	
1.50	1.44	1.44	*
2.00	4.33	5.78	****
2.50	14.81	20.59	**********
3.00	33.59	54.17	**********
3.50	21.67	75.84	**********
4.00	22.63	98.47	**********
8.00	1.53	100.00	**
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.21	.47	-.41	.52	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
3.91	1.40	.57	2.23	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 3.44 5TH 2.41 16TH 2.85 25TH 3.07
75TH 3.93 84TH 5.44 95TH 7.39

PCT. GRAVEL 0.00 SAND 75.84 SILT (PIPETTE) 22.63 CLAY (PIPETTE) 1.53
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 75.84 SILT/(SILT+CLAY) 93.66PCT.GRAV+SAND/SILT+CLAY 3.14

LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SDS)-SILTY SAND

RUK 219 A SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 52.6238

02/06/80

PHI	PCT.	CUMPCT.	
-.50			
	.00		
0.00		.00	
	0.00		
.50		.00	
	0.00		
1.00		.00	
	2.95		***
1.50		2.95	
	1.47		*
2.00		4.42	
	5.89		******
2.50		10.31	
	9.58		**********
3.00		19.89	
	38.31		**************************************
3.50		58.19	
	.74		*
4.00		58.93	
	38.90		**************************************
8.00		97.83	
	2.17		**
*****		100.00	

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
2.94	.55	-.87	2.36	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
4.26	1.80	.60	.30	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 3.39 5TH 2.05 16TH 2.80 25TH 3.07
75TH 5.65 84TH 6.58 95TH 7.71

PCT. GRAVEL 0.00 SAND 58.93 SILT (PIPETTE) 38.90 CLAY (PIPETTE) 2.17
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 58.93 SILT/(SILT+CLAY) 94.73PCT.GRAV+SAND/SILT+CLAY 1.43

LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SDS)-SILTY SAND

COMMENTS -
RUK 219 A ST STILL FINE SUSPENSION PRESENT AFTER RUN

RUK 219 3 SIEVE AND PIPETTE(2) SAMP WT= 33.8803

PCT. GRAVEL 0.00 SAND 67.91 SILT (PIPETTE) 30.20 CLAY (PIPETTE) 1.89

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 67.91 SILT/(SILT+CLAY) 94.10PCT.GRAV+SAND/SILT+CLAY 2.12

LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

ROK 220 # 2 SIEVE AND PIPETTE (2) [illegible]

PCT. GRAVEL 0.00 SAND 37.51 SILT (PIPETTE) 57.16 CLAY (PIPETTE) 5.34

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 37.51 SILT/(SILT+CLAY) 91.46 PCT.GRAV+SAND/SILT+CLAY .60

LABELS SHEPARD -SANDY SILT FOLK(GMS)-SANDY MUD (SOS)-SANDY SILT

RUK 220 A 2 SIEVE AND PIPETTE(2) SAMP WT= 46.7715
PCT. GRAVEL 0.00 SAND 38.89 SILT (PIPETTE) 56.76 CLAY (PIPETTE) 4.35
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00
GRAVEL+SAND 38.89 SILT/(SILT+CLAY) 92.98PCT.GRAV+SAND/SILT+CLAY .64
LABELS SHEPARD -SANDY SILT FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

RUK 221 A SIEVE AND PIPETTE(2) SAMP WT= 26.2123

PCT. GRAVEL 0.00 SAND 73.68 SILT (PIPETTE) 24.51 CLAY (PIPETTE) 1.81

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 73.68 SILT/(SILT+CLAY) 93.13PCT.GRAV+SAND/SILT+CLAY 2.80

LABEL'S SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SOS)-SILTY SAND

RUK 221P SIEVE AND PIPETTE(2) SAMP WT= 33.8622

PCT. GRAVEL 0.00 SAND 78.67 SILT (PIPETTE) 20.20 CLAY (PIPETTE) 1.13

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 78.67 SILT/(SILT+CLAY) 94.68PCT.GRAV+SAND/SILT+CLAY 3.69

LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

RUK 222 S 1 SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 52.9247

02/06/80

PHI	PCT.	CUMPCT.	
-.50	.00	.00	
0.00	0.00	.00	
.50	0.00	.00	
1.00	0.00	.00	
1.50	0.00	.00	
2.00	2.04	2.04	**
2.50	5.10	7.14	*****
3.00	28.07	35.21	**********
3.50	37.25	72.47	**********
4.00	26.31	98.78	**********
9.00	1.22	100.00	*
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.44	.37	-.59	1.21	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
4.20	1.35	.60	1.78	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 3.70 5TH 2.79 16TH 3.15 25TH 3.32
75TH 4.38 84TH 5.75 95TH 7.43

PCT GRAVEL 0.00 SAND 72.47 SILT (PIPETTE) 26.31 CLAY (PIPETTE) 1.22
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 72.47 SILT/(SILT+CLAY) 95.57PCT.GRAV+SAND/SILT+CLAY 2.53

LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SOS)-SILTY SAND

COMMENTS -
RUK 222 S 1 ST STILL 1/4 OF TUBE OF FINE SUSPENSION LEFT *

RUK 222 B 2 SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 52.4247

PHI FCT. CUMFCT. 02/06/90

PHI	FCT.	CUMFCT.	
-.50	.00		
0.00	.00	.00	
.50	.00	.00	
1.00	.00	.00	
1.50	.00	.00	
2.00	1.79	.00	**
2.50	6.26	1.79	******
3.00	27.73	8.05	**********
3.50	36.68	35.79	*************
4.00	26.31	72.47	**********
8.00	1.22	98.78	*
*****		100.00	

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.44	.37	-.54	.82	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
4.20	1.36	.59	1.77	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD.1957

PERCENTILES MEDIAN 3.69 5TH 2.76 16TH 3.14 25TH 3.31
75TH 4.39 84TH 5.75 95TH 7.46

PCT. GRAVEL 0.00 SAND 72.47 SILT (PIPETTE) 26.31 CLAY (PIPETTE) 1.22
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 72.47 SILT/(SILT+CLAY) 95.57PCT.GRAV+SAND/SILT+CLAY 2.63

LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SDS)-SILTY SAND

COMMENTS -
RUK 222 B 2 ST STILL 1/4 TUBE OF FINE SUSPENSION LEFT

ROK 223 B SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 14.3163

02/06/80

PHI	PCT.	CUMPCT.	
-.50			
	.00		
0.00		.00	
	0.00		
.50		.00	
	.36		
1.00		.36	
	.72		*
1.50		1.07	
	1.79		**
2.00		2.86	
	.72		*
2.50		3.58	
	2.50		***
3.00		6.08	
	9.30		*********
3.50		15.38	
	37.91		**************************************
4.00		53.28	
	44.73		**
8.00		98.02	
	1.98		**
*****		100.00	

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.47	.57	-1.32	6.97	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
4.74	1.56	.62	.88	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD.1957

PERCENTILES MEDIAN 3.96 5TH 2.78 16TH 3.51 25TH 3.63
75TH 5.94 84TH 6.75 95TH 7.73

PCT: GRAVEL 0.00 SAND 53.28 SILT (PIPETTE) 44.73 CLAY (PIPETTE) 1.98
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 53.28 SILT/(SILT+CLAY) 95.75PCT.GRAV+SAND/SILT+CLAY 1.14

LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

RUK 224 5 SIEVE AND PIPETTE(2) SAMP WT= 53.7337

PCT. GRAVEL 0.00 SAND 9.35 SILT (PIPETTE) 73.09 CLAY (PIPETTE) 17.56

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 9.35 SILT/(SILT+CLAY) 80.63PCT.GRAV+SAND/SILT+CLAY .10

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-SILT

RUK 225 B SIEVE AND PIPETTE(2) SAMP WT= 34.3570

PCT. GRAVEL 0.00 SAND 5.37 SILT (PIPETTE) 61.54 CLAY (PIPETTE) 33.09

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 5.37 SILT/(SILT+CLAY) 65.03PCT.GRAV+SAND/SILT+CLAY .06

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

RUK 226 B SIEVE AND PIPETTE(2) SAMP WT= 56.3529

PCT. GRAVEL 0.00 SAND 10.10 SILT (PIPETTE) 62.48 CLAY (PIPETTE) 27.42

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 10.10 SILT/(SILT+CLAY) 69.50PCT.GRAV+SAND/SILT+CLAY .11

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

RUK 230 A SIEVE AND PIPETTE(2) SAMP WT= 61.5801

PCT. GRAVEL 0.00 SAND 42.79 SILT (PIPETTE) 43.62 CLAY (PIPETTE) 13.60

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 42.79 SILT/(SILT+CLAY) 76.24PCT.GRAV+SAND/SILT+CLAY .75

LABELS SHEPARD -SANDY SILT FOLK(GMS)-SANDY MUD (SDS)-SANDY SILT

RUK 231 A SIEVE AND PIPETTE(2) SAMP WT= 39.9365

PCT. GRAVEL 0.00 SAND 7.50 SILT (PIPETTE) 67.16 CLAY (PIPETTE) 25.34

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 7.50 SILT/(SILT+CLAY) 72.60PCT.GRAV+SAND/SILT+CLAY .08

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SOS)-SILT

RUK 232 A SIEVE AND PIPETTE(2) SAMP WTE 44.2756

PCT. GRAVEL 0.00 SAND 9.77 SILT (PIPETTE) 67.92 CLAY (PIPETTE) 22.31

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 9.77 SILT/(SILT+CLAY) 75.28PCT.GRAV+SAND/SILT+CLAY .11

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-SILT

RUK 232 A SIEVE,SET.TUBE,PIPETTE(2) SAMP WT= 28.8625

02/06/80

PHI	PCT.	CUMPCT.	
-.50	.00	.00	
0.00	0.00	.00	
0.50	0.00	.00	
1.00	0.00	.00	
1.50	1.71	1.71	**
2.00	2.57	4.28	***
2.50	1.71	5.99	**
3.00	12.83	18.81	************
3.50	37.63	56.44	************************************
4.00	41.73	98.17	**
8.00	1.83	100.00	**
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.48	.49	-1.05	7.91	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
4.65	1.57	.60	.93	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD.1957

PERCENTILES MEDIAN 3.91 5TH 2.71 16TH 3.33 25TH 3.53
75TH 5.78 84TH 6.64 95TH 7.78

PO GRAVEL 0.00 SAND 56.44 SILT (PIPETTE) 41.73 CLAY (PIPETTE) 1.83
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 56.44 SILT/(SILT+CLAY) 95.80 PCT.GRAV+SAND/SILT+CLAY 1.30

LABELS SHEPARD -SILTY SAND FOLK(G'S)-MUDDY SAND (SOS)-SILTY SAND

RUK 234 A SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 54.7459

02/06/90

PHI	PCT.	CUMPCT.	
-.50	.00	.00	
0.00	0.00	.00	
0.50	0.00	.00	
1.00	0.00	.00	
1.50	0.00	.00	
2.00	2.20	2.20	**
2.50	6.60	8.80	*******
3.00	35.21	44.01	**********
3.50	35.21	79.21	**********
4.00	18.48	97.71	******
8.00	2.29	100.00	**
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.40	.37	-.48	.82	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
3.91	1.20	.56	2.71	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 3.59 5TH 2.71 15TH 3.10 25TH 3.23
75TH 3.94 84TH 5.04 95TH 7.41

PC GRAVEL 0.00 SAND 79.21 SILT (PIPETTE) 18.49 CLAY (PIPETTE) 2.29
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 79.21 SILT/(SILT+CLAY) 88.98PCT.GRAV+SAND/SILT+CLAY 3.81

LABELS SHEPARD -SAND FOLK(1954)-MUDDY SAND (SDS)-SILTY SAND

RUK 235 3 SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 60.7533

PHI	PCT.	CUM PCT.	02/06/80
-.50	.00	.00	
0.00	0.00	.00	
0.50	0.00	.00	
1.00	0.00	.00	
1.50	0.00	.00	
2.00	0.00	.00	
2.50	8.68	8.68	*********
3.00	19.93	28.61	*********************
3.50	27.97	56.58	*****************************
4.00	41.00	97.58	***
8.00	2.42	100.00	**
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.42	.36	-.31	-.89	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
4.58	1.62	.58	.85	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 3.88 5TH 2.79 16TH 3.13 25TH 3.41
75TH 5.80 84TH 6.58 95TH 7.75

PCT GRAVEL 0.00 SAND 56.58 SILT (PIPETTE) 41.00 CLAY (PIPETTE) 2.42
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 56.58 SILT/(SILT+CLAY) 94.42PCT.GRAV+SAND/SILT+CLAY 1.30

LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

RUK 2364 SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 53.5873

PHI	PCT.	CUMPCT.	02/06/80
-.50	.00		
0.00	.00	.00	
0.50	0.00	.00	
1.00	0.00	.00	
1.50	1.39	1.39	*
2.00	4.53	5.93	*****
2.50	5.93	11.85	******
3.00	19.87	31.73	**********
3.50	31.73	63.46	**********
4.00	16.04	79.50	**********
8.00	15.70	98.19	**********
*****	1.81	100.00	**

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.03	.58	-.46	.53	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
3.62	1.41	.45	2.16	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD.1957

PERCENTILES MEDIAN 3.29 5TH 1.30 16TH 2.40 25TH 2.83
75TH 3.85 84TH 4.96 95TH 7.32

PC GRAVEL 0.00 SAND 79.50 SILT (PIPETTE) 16.70 CLAY (PIPETTE) 1.81
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 79.50 SILT/(SILT+CLAY) 91.19PCT.GRAV+SAND/SILT+CLAY 3.98

LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SOS)-SILTY SAND

RUK 237 3 SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 57.9933

02/06/90

PHI	PCT.	CUMPCT.	
-.50	0.00	0.00	
0.00	0.00	0.00	
0.50	0.00	0.00	
1.00	0.00	0.00	
1.50	1.67	1.67	**
2.00	7.53	9.20	********
2.50	37.65	46.86	**********
3.00	35.14	82.00	**********
3.50	13.39	95.39	**********
4.00	4.17	99.56	****
8.00	.44	100.00	
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.02	.45	-.11	-.04	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
3.07	.51	.07	1.05	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD 1957

PERCENTILES MEDIAN 3.04 5TH 2.22 16TH 2.59 25TH 2.71

75TH 3.40 84TH 3.57 95TH 3.99

PCT GRAVEL 0.00 SAND 95.39 SILT (PIPETTE) 4.17 CLAY (PIPETTE) .44

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 95.39 SILT/(SILT+CLAY) 90.43PCT.GRAV+SAND/SILT+CLAY 23.67

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SOS)-SAND

2378-2 SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 77.1493

02/06/80

PHI	PCT.	CUMPCT.	
-.50			
0.00	0.00	0.00	
0.50	0.00	0.00	
1.00	0.00	0.00	
1.50	0.00	0.00	
2.00	1.66	1.66	**
2.50	7.46	9.12	*******
3.00	37.32	46.45	**************************************
3.50	34.83	81.28	**********************************
4.00	13.27	94.55	*************
8.00	3.16	97.71	***
*****	2.29	100.00	**

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.07	.45	-.11	-.04	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
3.08	.61	.19	1.38	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 3.05 5TH 2.22 16TH 2.59 25TH 2.71
75TH 3.41 84TH 3.60 95TH 4.57

PCT GRAVEL 0.00 SAND 94.55 SILT (PIPETTE) 3.16 CLAY (PIPETTE) 2.29
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 94.55 SILT/(SILT+CLAY) 57.94PCT.GRAV+SAND/SILT+CLAY 17.35

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SGS)-SAND

RUK 238 A SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 97.2573

PHI	PCT.	CUMPCT.	02/06/80
-.50	.00	.00	
0.00	1.76	1.76	**
0.50	2.64	4.41	***
1.00	2.64	7.05	***
1.50	11.46	18.51	**********
2.00	33.93	52.44	**********
2.50	30.40	82.84	**********
3.00	9.69	92.53	**********
3.50	3.53	96.06	****
4.00	1.41	97.47	*
8.00	2.53	100.00	***
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
2.40	.65	-.33	1.50	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
2.47	.71	.02	1.45	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 2.46 5TH 1.11 16TH 1.83 25TH 2.10
75TH 2.87 84TH 3.06 95TH 3.85

PCT GRAVEL 0.00 SAND 96.06 SILT (PIPETTE) 1.41 CLAY (PIPETTE) 2.57
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 96.06 SILT/(SILT+CLAY) 35.80PCT.GRAV+SAND/SILT+CLAY 24.39

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SCS)-SAND

RUK 239 A SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 46.6750

PHI	PCT.	CUMPCT.	02/06/80
-.50	.00		
0.00	0.00	.00	
	0.00	.00	
1.00	0.00	.00	
1.50	.96	.96	*
2.00	12.02	12.98	**********
2.50	26.92	39.91	**********
3.00	37.98	77.89	**********
3.50	14.42	92.31	**********
4.00	4.66	96.97	*****
8.00	3.03	100.00	***
*****			

MEAN.	ST.DEV.	SKEWNESS	KURTOSIS	
3.04	.47	-.15	-.48	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
3.13	.92	.27	2.30	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 3.13 5TH 2.17 15TH 2.56 25TH 2.72
75TH 3.46 84TH 3.71 95TH 6.31

PCT GRAVEL 0.00 SAND 92.31 SILT (PIPETTE) 4.66 CLAY (PIPETTE) 3.03
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 92.31 SILT/(SILT+CLAY) 60.65PCT.GRAV+SAND/SILT+CLAY 12.01

LABELS SHEPARD -SAND FOLK(G/S)-SAND (SCS)-SAND

ROK 240 3 SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 35.3132

02/06/80

PHI	PCT.	CUMPCT.	
-.50	.00	.00	
0.00	0.00	.00	
0.50	0.00	.00	
1.00	0.00	.00	
1.50	0.00	.00	
2.00	3.10	3.10	***
2.50	4.65	7.75	*****
3.00	14.72	22.47	**********
3.50	33.32	55.79	**********
4.00	40.48	96.27	**********
8.00	3.73	100.00	****
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.45	.43	-.79	1.13	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
4.66	1.66	.59	.90	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 3.91 5TH 2.70 16TH 3.28 25TH 3.54
75TH 5.90 84TH 6.79 95TH 7.87

PCT GRAVEL 0.00 SAND 55.79 SILT (PIPETTE) 40.48 CLAY (PIPETTE) 3.73
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 55.79 SILT/(SILT+CLAY) 91.57PCT.GRAV+SAND/SILT+CLAY 1.26

LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SOS)-SILTY SAND

RUK 241 A SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 58.4985

02/06/80

PHI	PCT.	CUMPCT.	
-.50	.00	.00	
0.00	0.00	.00	
.50	0.00	.00	
1.00	0.00	.00	
1.50	2.23	2.23	**
2.00	2.23	4.47	**
2.50	7.82	12.29	********
3.00	25.13	37.42	*************************
3.50	34.07	71.49	**********************************
4.00	25.25	96.75	*************************
8.00	3.25	100.00	***
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.76	.49	-.72	2.00	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
4.25	1.51	.57	1.63	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 3.68 5TH 2.53 16TH 3.07 25TH 3.25
75TH 4.56 84TH 5.93 95TH 7.72

PC GRAVEL 0.00 SAND 71.49 SILT (PIPETTE) 25.25 CLAY (PIPETTE) 3.25
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 71.49 SILT/(SILT+CLAY) 88.53PCT.GRAV+SAND/SILT+CLAY 2.51

LAGFLS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

COMMENTS -
RUK 241 A ST STILL MED-FINE MAT. LEFT 1/2 WAY UP TUBE *

0-242 170475 SIEVE,SETT.TUBE,PIPET,SEDIGRAPH SAMP WT= 20.3919

02/06/90

PHI	PCT.	CUMPCT.	
-2.50	.60		*
-2.00		.60	
-1.50	.78	1.37	*
-1.00	.81	2.18	*
-.50	.24	2.43	
0.00	0.00	2.43	
.50	.83	3.26	*
1.00	.21	3.47	
1.50	.42	3.89	
2.00	1.04	4.93	*
2.50	.83	5.76	*
3.00	.62	6.38	*
3.50	1.67	8.05	**
4.00	5.62	13.67	******
4.50	.87	14.54	*
5.00	7.85	22.39	********
5.50	17.00	39.40	*****************
6.00	15.26	54.66	***************
6.50	9.15	63.81	*********
7.00	5.67	69.48	******
7.50	7.41	76.89	*******
8.00	3.92	80.82	****
8.50	3.48	84.30	***
9.00	4.36	88.66	****
9.50	2.62	91.28	***
*****	8.72	100.00	*********

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
5.67	2.05	-.60	2.99	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -2.0 TO 9.5 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES MEDIAN 5.85 5TH 2.04 16TH 4.59 25TH 5.08
75TH 7.37 84TH 8.45 95TH******

PCT. GRAVEL 2.18 SAND 11.49 SILT (PIPETTE) 86.33 CLAY (PIPETTE) 0.01
(SEDIGRAPH) 67.14 (SEDIGRAPH) 19.19

GRAVEL+SAND 13.67 SILT/(SILT+CLAY) 77.78PCT.GRAV+SAND/SILT+CLAY .16

LABEL'S SHEPARD -CLAYEY SILT FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

COMMENTS -
0-242 ORG. MATTER PRESENT IN S.T. SAMPLE *

RUK 242 B SIEVE AND PIPETTE(2) SAMP WT= 54.5746

PCT. GRAVEL 0.00 SAND 17.88 SILT (PIPETTE) 62.02 CLAY (PIPETTE) 20.10

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 17.88 SILT/(SILT+CLAY) 75.53PCT.GRAV+SAND/SILT+CLAY .22

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

RUK 244 A SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 23.5155

02/06/80

PHI	PCT.	CUMPCT.	
-.50	.00		
0.00		.00	
	0.00		
		.00	
	0.00		
1.00		.00	
	0.00		
1.50		.00	
	9.49		*********
2.00		9.49	
	46.65		**********
2.50		56.13	
	41.90		**********
3.00		98.04	
	0.00		
3.50		98.04	
	0.00		
4.00		98.04	
	1.32		*
8.00		99.35	
	.65		*
*****		100.00	

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
2.42	.32	-.22	-.70	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
2.45	.37	-.04	.88	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 2.43 5TH 1.76 16TH 2.07 25TH 2.17

75TH 2.73 84TH 2.83 95TH 2.96

PCT GRAVEL 0.00 SAND 98.04 SILT (PIPETTE) 1.32 CLAY (PIPETTE) .65

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 98.04 SILT/(SILT+CLAY) 67.14PCT.GRAV+SAND/SILT+CLAY 49.93

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SCS)-SAND

RUK 245 A SIEVE,SETT.TUBE.PIPETTE(2) SAMP WT= 56.3977

02/06/80

PHI	PCT.	CUMPCT.	
-.50	.00		
0.00	.00	.00	
.50	0.00	.00	
1.00	0.00	.00	
1.50	0.00	.00	
2.00	0.00	.00	
2.50	2.43	2.43	**
3.00	24.73	27.16	**********
3.50	55.54	82.70	**********
4.00	7.30	89.99	*******
8.00	5.35	95.34	******
*****	3.66	100.00	****

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.13	.32	-.19	.35	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
3.19	.90	.33	3.98	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 3.21 5TH 2.55 16TH 2.77 25TH 2.98
75TH 3.43 84TH 3.59 95TH 7.16

PC GRAVEL 0.00 SAND 89.99 SILT (PIPETTE) 6.35 CLAY (PIPETTE) 3.65
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 89.99 SILT/(SILT+CLAY) 63.43PCT.GRAV+SAND/SILT+CLAY 8.99

LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SOS)-MUDDY SAND

COMMENTS -
RUK 245 A ST VERY LITTLE FINE SUSPENSION LEFT.

RUK 245 3 SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 50.2860

PHI	PCT.	CUMPCT.	
-.50			
	.00		
0.00		.00	
	0.00		
.50		.00	
	0.00		
1.00		.00	
	0.00		
1.50		.00	
	.44		
2.00		.44	
	3.06		***
2.50		3.50	
	5.24		*****
3.00		8.74	
	37.58		**************************************
3.50		46.32	
	35.84		************************************
4.00		82.16	
	14.32		**************
8.00		96.48	
	3.52		****
*****		100.00	

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
3.19	.39	-.63	2.04	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
3.72	1.10	.50	2.96	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD.1957

PERCENTILES MEDIAN 3.55 5TH 2.64 16TH 3.10 25TH 3.22
75TH 3.90 84TH 4.51 95TH 7.59

PCT: GRAVEL 0.00 SAND 82.16 SILT (PIPETTE) 14.32 CLAY (PIPETTE) 3.52
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 82.16 SILT/(SILT+CLAY) 80.25PCT.GRAV+SAND/SILT+CLAY 4.60

LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

RUK 249 A SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT=120.8660

PHI	PCT.	CUMPCT.	02/06/80
-.50	.00		
0.00	.00	.00	
0.50	.00	.00	
1.00	.00	.00	
1.50	1.93	1.93	**
2.00	15.41	17.33	**********
2.50	57.78	75.11	**********
3.00	23.11	98.22	**********
3.50	.00	98.22	
4.00	.00	98.22	
8.00	.38	98.60	
*****	1.40	100.00	*

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
2.27	.34	-.21	.29	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
2.31	.39	.04	1.26	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 2.28 5TH 1.60 16TH 1.96 25TH 2.07
75TH 2.50 84TH 2.69 95TH 2.93

PCT GRAVEL 0.00 SAND 98.22 SILT (PIPETTE) .38 CLAY (PIPETTE) 1.40
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 98.22 SILT/(SILT+CLAY) 21.56PCT.GRAV+SAND/SILT+CLAY 55.16

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SOS)-SAND

RUK 248-A-2 SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 19.6463

02/06/80

PHI	PCT.	CUMPCT.	
-1.00	.17	.17	
-.50	0.00	.17	
0.00	0.00	.17	
.50	0.00	.17	
1.00	1.88	2.05	**
1.50	15.03	17.08	**********
2.00	56.36	73.44	**********
2.50	22.54	95.98	**********
3.00	0.00	95.98	
3.50	0.00	95.98	
4.00	1.55	97.53	**
8.00	2.47	100.00	**
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
2.26	.36	-.55	7.77	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -.5 TO 4.0 PHI
2.73	.40	.07	1.22	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 2.29 5TH 1.60 16TH 1.96 25TH 2.07
75TH 2.53 84TH 2.73 95TH 2.98

PCT. GRAVEL 0.00 SAND 95.98 SILT (PIPETTE) 1.55 CLAY (PIPETTE) 2.47
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 95.98 SILT/(SILT+CLAY) 38.48PCT.GRAV+SAND/SILT+CLAY 23.87

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SCS)-SAND

RUB 248 B SF SIEVE AND PIPETTE(2) SAMP WT= 11.4205
PCT. GRAVEL 0.00 SAND 34.19 SILT (PIPETTE) 57.62 CLAY (PIPETTE) 8.20
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00
GRAVEL+SAND 34.19 SILT/(SILT+CLAY) 87.55PCT.GRAV+SAND/SILT+CLAY .52
LABELS SHEPARD -SANDY SILT FOLK(GMS)-SANDY MUD (SOS)-SANDY SILT

COMMENTS -
RUB 248 B SF .0017 GMS GRAVEL *

KUK 2495 SIEVE AND PIPETTE(2) SAMP WT= 53.9855

PCT. GRAVEL	0.00	SAND	13.29	SILT (PIPETTE)	65.22	CLAY (PIPETTE)	21.49
				(SEDIGRAPH)	0.00	(SEDIGRAPH)	0.00
GRAVEL+SAND	13.29	SILT/(SILT+CLAY)	75.22	PCT.GRAV+SAND/SILT+CLAY			.15

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

RUK 251 B SIEVE AND PIPETTE(2) SAMP WT= 24.0331

PCT. GRAVEL 0.00 SAND 79.16 SILT (PIPETTE) 12.87 CLAY (PIPETTE) 7.97

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 79.16 SILT/(SILT+CLAY) 61.74PCT.GRAV+SAND/SILT+CLAY 3.80

LABELS SHEPARD -SAND FOLK(GUM)-MUDDY SAND (SCS)-MUDDY SAND

RUK 253 3 SIEVE AND PIPETTE(2) SAMP WT= 3.2566

PCT.	GRAVEL	0.00	SAND	5.91	SILT (PIPETTE)	57.24	CLAY (PIPETTE) 36.85
					(SEDIGRAPH)	0.00	(SEDIGRAPH) 0.00

GRAVEL+SAND 5.91 SILT/(SILT+CLAY) 60.84PCT.GRAV+SAND/SILT+CLAY .06

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SOS)-MUD

FUK 2585 SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT=125.120G

02/06/80

PHI	PCT.	CUMPCT.	
-.50			
	.00		
0.00		.00	
	0.00		
.50		.00	
	0.00		
1.00		.00	
	0.00		
1.50		.00	
	11.20		**********
2.00		11.20	
	43.89		**********
2.50		55.08	
	30.00		**********
3.00		85.09	
	2.59		***
3.50		87.77	
	.90		*
4.00		88.67	
	8.05		********
8.00		96.72	
	3.28		***
*****		100.00	

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
2.40	.38	.19	.61	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
2.40	1.05	.45	3.29	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 2.44 5TH 1.72 16TH 2.05 25TH 2.10
75TH 2.33 84TH 2.98 95TH 7.14

PCT. GRAVEL 0.00 SAND 88.67 SILT (PIPETTE) 8.05 CLAY (PIPETTE) 3.28
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 88.67 SILT/(SILT+CLAY) 71.09PCT.GRAV+SAND/SILT+CLAY 7.82

LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

RUK 2E0A SIEVE AND PIPETTE(2) SAMP WT= 78.5707

PCT. GRAVEL 0.00 SAND 24.65 SILT (PIPETTE) 59.02 CLAY (PIPETTE) 16.33

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 24.65 SILT/(SILT+CLAY) 78.33PCT.GRAV+SAND/SILT+CLAY .33

LABELS SHEPARD -SANDY SILT FOLK(GMS)-SANDY MUD (SOS)-SANDY SILT

RUK 261E SIEVE,SETT.TUBE.PIPETTE(2) SAMP WT= 57.9830

02/06/80

PHI	PCT.	CUMPCT.	
-.50	.00	.00	
0.00	0.00	.00	
.00	0.00	.00	
1.00	6.38	.00	******
1.50	10.20	6.38	**********
2.00	31.88	16.58	**********************************
2.50	29.97	48.46	******************************
3.00	3.19	78.43	***
3.50	1.28	81.62	*
4.00	11.97	82.90	************
8.00	5.18	94.92	*****
*****		100.00	

MEAN	ST.DEV.	SKEWNESS	KURTOSIS
2.35	.51	-.15	.29

KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI

> 5 PERCENT OF THE FINES ARE NOT RESOLVED, OBTAIN FOLK STATS. GRAPHICALLY

PERCENTILES	MEDIAN	2.53	5TH	1.39	16TH	1.97	25TH 2.13
			75TH	2.94	84TH	4.37	95TH******

PC	GRAVEL	0.00	SAND	82.90	SILT (PIPETTE)	11.92	CLAY (PIPETTE) 5.18
					(SEDIGRAPH)	0.00	(SEDIGRAPH) 0.00

GRAVEL+SAND 82.90 SILT/(SILT+CLAY) 69.71PCT.GRAV+SAND/SILT+CLAY 4.85

LAPELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

ROK 2683

SIEVE AND PIPETTE(2) SAMP WT= 39.6526

PCT. GRAVEL 0.00 SAND 20.49 SILT (PIPETTE) 53.14 CLAY (PIPETTE) 26.37

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 20.49 SILT/(SILT+CLAY) 66.84PCT.GRAV+SAND/SILT+CLAY .26

LABELS SHEPARD -SAN SIL CLY FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

RUN 2ERR SIEVE AND PIPETTE(?) SAMP WT= 37.3200

PCT. GRAVEL 0.00 SAND 1.83 SILT (PIPETTE) 62.36 CLAY (PIPETTE) 35.81

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 1.83 SILT/(SILT+CLAY) 63.52PCT.GRAV+SAND/SILT+CLAY .02

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-MUD

RUN 2745 SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 54.1950

PHI	PCT.	CUMPCT.	
-.50	.00	.00	02/08/80
0.00	0.00	.00	
0.50	0.00	.00	
1.00	0.00	.00	
1.50	1.46	1.46	*
2.00	10.73	12.19	**********
2.50	46.32	58.51	**********
3.00	33.15	91.66	**********
3.50	4.88	96.54	*****
4.00	1.58	98.22	**
8.00	1.78	100.00	**
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
2.90	.40	-.08	.20	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
2.94	.46	.12	1.13	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 2.91 5TH 2.16 16TH 2.54 25TH 2.64
75TH 3.25 84TH 3.33 95TH 3.44

PCT GRAVEL 0.00 SAND 96.54 SILT (PIPETTE) 1.98 CLAY (PIPETTE) 1.73
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 96.54 SILT/(SILT+CLAY) 48.81PCT.GRAV+SAND/SILT+CLAY 27.89

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SOS)-SAND

RUK 278P SIEVE AND PIPETTE(2) SAMP WT= 10.7016

PCT. GRAVEL 0.00 SAND 23.00 SILT (PIPETTE) 52.48 CLAY (PIPETTE) 24.52

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 23.00 SILT/(SILT+CLAY) 68.16PCT.GRAV+SAND/SILT+CLAY .30

LABELS SHEPARD -SAN SIL CLY FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

RUK 282P SIEVE AND PIPETTE(2) SAMP WT= 53.5779

PCT. GRAVEL	0.00	SAND	87.91	SILT (PIPETTE)	9.03	CLAY (PIPETTE)	3.06
				(SEDIGRAPH)	0.00	(SEDIGRAPH)	0.00

GRAVEL+SAND 87.91 SILT/(SILT+CLAY) 74.68PCT.GRAV+SAND/SILT+CLAY 7.27

LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

RUK 2??E SIEVE AND PIPETTE(2) SAMP WT= 54.2138

PCT. GRAVEL 0.00 SAND 24.59 SILT (PIPETTE) 53.89 CLAY (PIPETTE) 21.52

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 24.59 SILT/(SILT+CLAY) 71.46PCT.GRAV+SAND/SILT+CLAY .33

LABELS SHEPARD -SAN SIL CLY FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

RUK 284A SIEVE AND PIPETTE(2) SAMP WT= 34.1659

PCT. GRAVEL	0.00	SAND	96.42	SILT (PIPETTE)	2.96	CLAY (PIPETTE)	.62
				(SEDIGRAPH)	0.00	(SEDIGRAPH)	0.00

GRAVEL+SAND 96.42 SILT/(SILT+CLAY) 82.68PCT.GRAV+SAND/SILT+CLAY 26.91

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SGS)-SAND

RUK 285E SIEVE AND PIPETTE(2) SAMP WT= 12.9821

PCT. GRAVEL 0.00 SAND 7.16 SILT (PIPETTE) 67.94 CLAY (PIPETTE) 24.90

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 7.16 SILT/(SILT+CLAY) 73.18PCT.GRAV+SAND/SILT+CLAY .08

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-SILT

RUK 2PEA SIEVE AND PIPETTE(2) SAMP WT= 44.4918

PCT. GRAVEL	0.00	SAND	87.49	SILT (PIPETTE)	8.86	CLAY (PIPETTE)	3.65
				(SEDIGRAPH)	0.00	(SEDIGRAPH)	0.00
GRAVEL+SAND	87.49	SILT/(SILT+CLAY)	70.83	PCT.GRAV+SAND/SILT+CLAY			9.99

LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

RUK 289A SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 61.7582

PHI	PCT.	CUMPCT.	02/06/80
-.50	.00		
0.00	0.00	.00	
.50	0.00	.00	
1.00	0.00	.00	
1.50	0.00	.00	
2.00	20.91	.00	**********
2.50	60.26	20.91	**********
3.00	14.75	81.16	*******
3.50	1.23	95.92	*
4.00	.51	97.15	*
8.00	2.34	97.66	**
*****		100.00	

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
2.73	.32	.16	.35	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
2.74	.38	.04	1.33	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 2.74 5TH 2.12 16TH 2.38 25TH 2.53
75TH 2.95 84TH 3.10 95TH 3.47

PCT GRAVEL 0.00 SAND 97.15 SILT (PIPETTE) .51 CLAY (PIPETTE) 2.34
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 97.15 SILT/(SILT+CLAY) 17.73PCT.GRAV+SAND/SILT+CLAY 34.09

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SCS)-SAND

ROK 291A SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 59.9545

PHI	PCT.	CUMPCT.	02/05/80
-.50	.00	.00	
0.00	0.00	.00	
.50	0.00	.00	
1.00	4.22	4.22	****
1.50	16.47	20.69	**********
2.00	46.88	67.57	**********
2.50	28.72	96.29	**********
3.00	1.69	97.97	**
3.50	.84	98.82	*
4.00	.73	99.55	*
8.00	.45	100.00	
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
2.30	.44	-.06	.59	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
2.32	.45	-.03	1.02	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD.1957

PERCENTILES MEDIAN 2.31 5TH 1.52 16TH 1.66 25TH 2.05
75TH 2.63 84TH 2.79 95TH 2.98

PCT GRAVEL 0.00 SAND 98.82 SILT (PIPETTE) .73 CLAY (PIPETTE) .45
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 98.82 SILT/(SILT+CLAY) 61.58PCT.GRAV+SAND/SILT+CLAY 83.63

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SCS)-SAND

RUK 2911 SIEVE AND PIPETTE(2) SAMP WT= 70.1123

PCT.	GRAVEL	0.00	SAND	58.60	SILT (PIPETTE)	33.32	CLAY (PIPETTE) 8.08
					(SEDIGRAPH)	0.00	(SEDIGRAPH) 0.00

GRAVEL+SAND 58.60 SILT/(SILT+CLAY) 80.49PCT.GRAV+SAND/SILT+CLAY 1.42

LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SGS)-SILTY SAND

FOLK 252E SIEVE AND PIPETTE(2) SAMP WT= 49.5283

PCT. GRAVEL	0.00	SAND	97.22	SILT (PIPETTE)	2.06	CLAY (PIPETTE)	.72
				(SEDIGRAPH)	0.00	(SEDIGRAPH)	0.00
GRAVEL+SAND	97.22	SILT/(SILT+CLAY)		74.13PCT.GRAV+SAND/SILT+CLAY			34.99

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SGS)-SAND

RUK 300A SIEVE AND PIPETTE(2) SAMP WT= 58.4612

02/06/80

PHI	PCT.	CUMPCT.	
-4.00	5.07	5.07	*****
-3.00	4.43	9.49	****
-2.00	3.84	13.34	****
-1.00	14.59	27.93	**********
0.00	38.37	66.30	**********
1.00	29.13	95.43	**********
2.00	3.70	99.13	****
3.00	.18	99.30	
4.00	.46	99.75	
8.00	.25	100.00	
*****			

ME/	ST.DEV.	SKEWNESS	KURTOSIS	
.31	1.39	-.59	1.15	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -3.0 TO 4.0 PHI
.38	1.36	-.20	1.37	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN .56 5TH -3.01 16TH -.82 25TH -.20
75TH 1.30 84TH 1.61 95TH 1.93

PCT. GRAVEL 13.34 SAND 85.96 SILT (PIPETTE) .46 CLAY (PIPETTE) .25
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 99.30 SILT/(SILT+CLAY) 65.00PCT.GRAV+SAND/SILT+CLAY 141.63

LAGE SHEPARD -SAND FOLK(GMS)-GRAVELLY SAND (SOS)-

RUK 3045 SIEVE AND PIPETTE(2) SAMP WT= 75.9034

PCT. GRAVEL	0.00	SAND	92.80	SILT (PIPETTE)	4.47	CLAY (PIPETTE)	2.73
				(SEDIGRAPH)	0.00	(SEDIGRAPH)	0.00

GRAVEL+SAND 92.80 SILT/(SILT+CLAY) 62.08PCT.GRAV+SAND/SILT+CLAY 12.89

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SCS)-SAND

RUK 315A SIEVE.SET.TUBE.PIPETTE(2) SAMP WT= 50.2955

PHI	PCT.	CUMPCT.	02/06/80
-.50	.00	.00	
0.00	0.00	.00	
.00	0.00	.00	
1.00	4.07	4.08	****
1.50	1.36	5.43	*
2.00	6.79	12.23	*******
2.50	30.56	42.79	**********************************
3.00	38.71	81.50	**************************************
3.50	13.58	95.09	**************
4.00	3.67	98.75	****
8.00	1.25	100.00	*
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
2.98	.57	-.58	1.93	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
3.08	.58	-.10	1.25	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 3.09 5TH 1.94 16TH 2.55 25TH 2.71
75TH 3.42 84TH 3.53 95TH 4.01

PCT GRAVEL 0.00 SAND 95.09 SILT (PIPETTE) 3.67 CLAY (PIPETTE) 1.25
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 95.09 SILT/(SILT+CLAY) 74.60PCT.GRAV+SAND/SILT+CLAY 19.35

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SCS)-SAND

COMMENTS -
RUK 315A FINE SUSPENSION LEFT 1/2 WAY UP TUBE *

RUK 3155 SIEVE AND PIPETTE(2) SAMP WT= 53.7172

PCT.	GRAVEL	0.00	SAND	89.08	SILT (PIPETTE)	8.98	CLAY (PIPETTE) 1.95
					(SEDIGRAPH)	0.00	(SEDIGRAPH) 0.00

GRAVEL+SAND 89.08 SILT/(SILT+CLAY) 82.16PCT.GRAV+SAND/SILT+CLAY 8.15

LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SOS)-SILTY SAND

RUK 319A SIEVE,SETT.TUBE,PIPETTE(2) SAMP WT= 74.2513

PHI	PCT.	CUMPCT.	02/06/80
-.50	.00	.00	
0.00	0.00	.00	
.50	4.09	4.09	****
1.00	12.69	16.79	**********
1.50	37.67	54.46	**********
2.00	40.54	95.00	**********
2.50	.82	95.82	*
3.00	0.00	95.82	
3.50	0.00	95.82	
4.00	1.75	97.57	**
8.00	2.43	100.00	**
*****			

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
1.86	.42	-.39	.12	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
1.92	.45	-.15	.93	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD.1957

PERCENTILES MEDIAN 1.94 5TH 1.04 16TH 1.47 25TH 1.61
75TH 2.25 84TH 2.36 95TH 2.50

PCT. GRAVEL 0.00 SAND 95.82 SILT (PIPETTE) 1.75 CLAY (PIPETTE) 2.43
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 95.82 SILT/(SILT+CLAY) 41.88PCT,GRAV+SAND/SILT+CLAY 22.92

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SOS)-SAND

COMMENTS -
RUK 319A VERY SMALL AMOUNT OF ORGANIC MATERIAL LEFT AFTER RUN *

RUK 3195 SIEVE AND PIPETTE(2) SAMP WT= 10.9319

PCT. GRAVEL 0.00 SAND 7.98 SILT (PIPETTE) 36.26 CLAY (PIPETTE) 55.75

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 7.98 SILT/(SILT+CLAY) 39.40 PCT.GRAV+SAND/SILT+CLAY .09

LABELS SHEPARD -SILTY CLAY FOLK(GMS)-MUD (SOS)-MUD

RUK 310C SIEVE AND PIPETTE(2) SAMP WT= 31.7216

PCT. GRAVEL	0.00	SAND	83.88	SILT (PIPETTE)	10.59	CLAY (PIPETTE)	5.52
				(SEDIGRAPH)	0.00	(SEDIGRAPH)	0.00

GRAVEL+SAND 83.88 SILT/(SILT+CLAY) 65.73PCT.GRAV+SAND/SILT+CLAY 5.21

LABELS SHEPARD -SAND FOLK(GMS)-MUDDY SAND (SDS)-MUDDY SAND

RUK 32EA SIEVE AND PIPETTE(2) SAMP WT= 50.2096

PCT. GRAVEL	0.00	SAND	60.73	SILT (PIPETTE)	29.41	CLAY (PIPETTE)	9.85
				(SEDIGRAPH)	0.00	(SEDIGRAPH)	0.00

GRAVEL+SAND 60.73 SILT/(SILT+CLAY) 74.90 PCT.GRAV+SAND/SILT+CLAY 1.55

LABELS SHEPARD -SILTY SAND FOLK(GMS)-MUDDY SAND (SCS)-SILTY SAND

RUK 330E SIEVE AND PIPETTE(2) SAMP WT= 54.7604

PCT. GRAVEL 0.00 SAND 23.92 SILT (PIPETTE) 51.92 CLAY (PIPETTE) 24.16

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 23.92 SILT/(SILT+CLAY) 68.24PCT.GRAV+SAND/SILT+CLAY .31

LABELS SHEPARD -SAN SIL CLY FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

RUK 331P SIEVE AND PIPETTE(2) SAMP WT= 59.9161

PCT. GRAVEL 0.00 SAND 11.70 SILT (PIPETTE) 62.04 CLAY (PIPETTE) 26.26

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 11.70 SILT/(SILT+CLAY) 70.26PCT.GRAV+SAND/SILT+CLAY .13

LABELS SHEPARD -CLAYEY SILT FOLK(G'S)-SANDY MUD (SCS)-SANDY SILT

RUK 332A SIEVE AND PIPETTE(2) SAMP WT= 57.0227

PCT. GRAVEL 0.00 SAND 14.43 SILT (PIPETTE) 67.12 CLAY (PIPETTE) 18.44

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 14.43 SILT/(SILT+CLAY) 78.45PCT.GRAV+SAND/SILT+CLAY .17

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-SANDY MUD (SOS)-SANDY SILT

RUK 333A SIEVE AND PIPETTE(2) SAMP WT= 54.7894

PCT. GRAVEL 0.00 SAND 75.51 SILT (PIPETTE) 14.85 CLAY (PIPETTE) 9.64

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 75.51 SILT/(SILT+CLAY) 60.64PCT.GRAV+SAND/SILT+CLAY 3.08

LABELS SHEPARD -SAND FOLK(GNS)-MUDDY SAND (SCS)-MUDDY SAND

RUK 334E SIEVE AND PIPETTE(2) SAMP WT= 60.9505

PCT. GRAVEL 0.00 SAND 7.87 SILT (PIPETTE) 65.44 CLAY (PIPETTE) 26.69

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 7.87 SILT/(SILT+CLAY) 71.03 PCT.GRAV+SAND/SILT+CLAY .09

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-SILT

RUK 3365 SIEVE AND PIPETTE(2) SAMP WT= 69.3292

PCT. GRAVEL 0.00 SAND 11.45 SILT (PIPETTE) 67.82 CLAY (PIPETTE) 20.74

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 11.45 SILT/(SILT+CLAY) 76.58PCT.GRAV+SAND/SILT+CLAY .13

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

RUK 337A SIEVE AND PIPETTE(2) SAMP WT= 69.6723

PCT. GRAVEL 0.00 SAND 7.00 SILT (PIPETTE) 72.18 CLAY (PIPETTE) 20.81

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 7.00 SILT/(SILT+CLAY) 77.62PCT.GRAV+SAND/SILT+CLAY .06

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SOS)-SILT

RUK 338E SIEVE AND PIPETTE(2) SAMP WT= 85.3956

PHI	PCT.	CUMPCT.	02/06/80
-4.00	1.57		**
-3.00	3.22	1.57	***
-2.00	2.07	4.79	**
-1.00	3.04	6.86	***
0.00	9.99	9.91	**********
1.00	42.05	19.90	**********
2.00	34.83	61.96	**********
3.00	2.14	96.79	**
4.00	.03	98.93	
8.00	1.04	98.96	*
*****		100.00	

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
1.46	1.33	-.90	3.58	KRUMBEIN & PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -3.0 TO 4.0 PHI
1.65	1.24	-.29	1.59	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 1.72 5TH -1.90 16TH .91 25TH 1.12
75TH 2.37 84TH 2.63 95TH 2.96

PCT. GRAVEL 6.86 SAND 92.07 SILT (PIPETTE) .03 CLAY (PIPETTE) 1.04
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 99.93 SILT/(SILT+CLAY) 2.60PCT.GRAV+SAND/SILT+CLAY 92.60

LABELS SHEPARD -SAND FOLK(GMS)-GRAVELLY SAND (SGS)-

RUK 3382 SIEVE AND PIPETTE(2) SAMP WT=121.8943

PCT. GRAVEL 0.00 SAND 39.11 SILT (PIPETTE) 53.38 CLAY (PIPETTE) 7.51

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 39.11 SILT/(SILT+CLAY) 87.67PCT.GRAV+SAND/SILT+CLAY .64

LABELS SHEPARD -SANDY SILT FOLK(GAS)-SANDY MUD (SOS)-SANDY SILT

RUK 340P SIEVE AND PIPETTE(2) SAMPLE WT= 64.0898

PCT. GRAVEL 0.00 SAND 5.45 SILT (PIPETTE) 67.11 CLAY (PIPETTE) 27.45

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 5.45 SILT/(SILT+CLAY) 70.97PCT.GRAV+SAND/SILT+CLAY .06

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-SILT

RUK 341E SIEVE AND PIPETTE(2) SAMP WT= 50.9151
PCT. GRAVEL 0.00 SAND 13.81 SILT (PIPETTE) 64.59 CLAY (PIPETTE) 21.60
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00
GRAVEL+SAND 13.81 SILT/(SILT+CLAY) 74.93PCT.GRAV+SAND/SILT+CLAY .19
LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

RUK 342 A SF SIEVE AND PIPETTE(2) SAMP WT= 20.9603

PCT. GRAVEL .05 SAND 21.15 SILT (PIPETTE) 63.94 CLAY (PIPETTE) 14.86

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 21.20 SILT/(SILT+CLAY) 81.14PCT.GRAV+SAND/SILT+CLAY .27

LABELS SHEPARD -SANDY SILT FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

RUK 343 B SIEVE AND PIPETTE(2) SAMP WT= 19.2081

PCT. GRAVEL	1.50	SAND	88.93	SILT (PIPETTE)	6.70	CLAY (PIPETTE)	2.87
				(SEDIGRAPH)	0.00	(SEDIGRAPH)	0.00

GRAVEL+SAND 90.43 SILT/(SILT+CLAY) 69.97 PCT.GRAV+SAND/SILT+CLAY 9.45

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SCS)-SAND

RUK 3448 SIEVE AND PIPETTE(2) SAMP WT= 57.3542

PCT. GRAVEL 0.00 SAND 10.05 SILT (PIPETTE) 73.14 CLAY (PIPETTE) 16.81

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 10.05 SILT/(SILT+CLAY) 81.31PCT.GRAV+SAND/SILT+CLAY .11

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

RUK 345E SIEVE AND PIPETTE(2) SAMP WT= 60.3156

PCT. GRAVEL 0.00 SAND 24.15 SILT (PIPETTE) 58.39 CLAY (PIPETTE) 17.46

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 24.15 SILT/(SILT+CLAY) 76.99PCT.GRAV+SAND/SILT+CLAY .32

LABELS SHEPARD -SANDY SILT FOLK(GMS)-SANDY MUD (SCS)-SANDY SILT

RUK 3455 SIEVE,SET.TUBE,PIPETTE(2) SAMP WT= 60.1246

02/06/80

PHI	PCT.	CUMPCT.	
-.50			
	.48		
0.00		.48	********
	8.23		
		8.72	
	3.87		****
1.00		12.59	
	6.30		******
1.50		18.89	
	24.70		*************************
2.00		43.59	
	17.44		*****************
2.50		61.03	
	20.34		********************
3.00		81.37	
	9.69		**********
3.50		91.06	
	3.87		****
4.00		94.94	
	3.30		***
8.00		98.24	
	1.76		**
*****		100.00	

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
2.08	.91	-.21	-.27	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE 0.0 TO 4.0 PHI
2.20	1.04	.01	1.28	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 2.18 5TH .27 16TH 1.27 25TH 1.62
75TH 2.84 84TH 3.14 95TH 4.03

PCT GRAVEL 0.00 SAND 94.94 SILT (PIPETTE) 3.30 CLAY (PIPETTE) 1.76
(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 94.94 SILT/(SILT+CLAY) 65.18PCT.GRAV+SAND/SILT+CLAY 18.75

LABELS SHEPARD -SAND FOLK(G'S)-SAND (SCS)-SAND

0-347 B 8 475 SIEVE,SETT.TUBE,PIPET,SEDIGRAPH SAMP WT= 20.3036

PHI	PCT.	CUMPCT.	02/06/80
-1.50			
	.15		
-1.00		.15	
	.17		
-.50		.32	
	0.00		
0.00		.32	
	.70		*
.50		1.02	
	3.49		***
1.00		4.51	
	5.58		******
1.50		10.09	
	10.46		**********
2.00		20.55	
	29.29		******************************
2.50		49.84	
	42.55		**
3.00		92.39	
	4.18		****
3.50		96.57	
	0.00		
4.00		96.57	
	0.00		
4.50		96.57	
	0.00		
5.00		96.57	
	.49		
5.50		97.06	
	0.00		
6.00		97.06	
	0.00		
6.50		97.06	
	.49		
7.00		97.55	
	2.45		**
*****		100.00	

MEAN	ST.DEV.	SKEWNESS	KURTOSIS	
2.36	.72	.22	8.94	KRUMBEIN + PETTIJOHN (1938) MOMENT MEASURES FOR SIZE RANGE -1.0 TO 7.0 PHI
2.40	.62	-.29	1.29	FOLK GRAPHIC STATISTICAL PARAMETERS FOLK AND WARD,1957

PERCENTILES MEDIAN 2.50 5TH 1.04 16TH 1.78 25TH 2.06
75TH 2.30 84TH 2.90 95TH 3.31

PCT. GRAVEL .15 SAND 96.42 SILT (PIPETTE) 3.43 CLAY (PIPETTE) 0.00
(SEDIGRAPH) 3.43 (SEDIGRAPH) 0.00

GRAVEL+SAND 96.57 SILT/(SILT+CLAY) 100.00PCT.GRAV+SAND/SILT+CLAY 28.17

LABELS SHEPARD -SAND FOLK(GMS)-SAND (SCS)-SAND

RUK 3454A SIEVE AND PIPETTE(2) SAMP WT= 48.0013

PCT. GRAVEL 0.00 SAND 9.38 SILT (PIPETTE) 62.97 CLAY (PIPETTE) 27.65

(SEDIGRAPH) 0.00 (SEDIGRAPH) 0.00

GRAVEL+SAND 9.38 SILT/(SILT+CLAY) 69.49PCT.GRAV+SAND/SILT+CLAY .10

LABELS SHEPARD -CLAYEY SILT FOLK(GMS)-MUD (SCS)-SILT

APPENDIX 5

Data Summary

SAMPLE NUMBER	U.T.M. ZONE 17 NORTHING	EASTING	DEPTH METERS (IGLD)	PERCENT GRAVEL	SAND	SILT	CLAY	SIZDIST APPROXIMATIONS OF FOLK GRAPHIC STATISTICS MEAN	ST.DEV.	SKEW.	KURT.	BOTTOM TYPE (ST. JACQUES AND RUKAVINA, 1972)
200A	4790911	604184	19.1	0.00	6.29	65.31	28.40	0.00	0.00	0.00	0.00	SILT
201A	4789943	604191	14.9	2.36	61.31	28.35	7.98	0.00	0.00	0.00	0.00	SILTY SAND
201B	4789943	604194	15.3	5.39	52.61	34.51	7.49	0.00	0.00	0.00	0.00	GRAVELLY MUDDY SAND
204A	4789004	603247	7.9	.44	84.65	10.98	3.93	0.00	0.00	0.00	0.00	SILTY SAND
205B	4790019	603207	13.9	.30	10.86	40.86	47.98	0.00	0.00	0.00	0.00	SANDY MUD
206A	4790991	603180	0.0	0.00	5.05	70.73	24.22	0.00	0.00	0.00	0.00	SILT
207B	4790954	602135	14.1	0.00	31.15	63.61	5.25	0.00	0.00	0.00	0.00	SANDY SILT
209A	4792927	602105		0.00	72.34	24.37	3.28	0.00	0.00	0.00	0.00	SILTY SAND
210A	4793889	602140	18.1	0.00	72.10	23.93	3.97	0.00	0.00	0.00	0.00	SILTY SAND
211B	4794925	602079	22.1	0.00	37.11	56.06	6.82	0.00	0.00	0.00	0.00	SANDY SILT
212A	4796415	601899										
212B	4796401	601900	30.3									
213A	4796902	602107	32.1									
213B	4796891	602114	32.1									
214A	4798103	602012										
214B	4798114	602004	26.9									
215B	4798757	602158	23.1	0.00	5.59	67.08	27.33	0.00	0.00	0.00	0.00	SILT
218B	4789892	601205		0.00	75.84	22.63	1.53	3.91	1.48	.57	2.23	SILTY SAND
219A	4790879	601174	12.3	0.00	58.93	38.90	2.17	4.26	1.60	.60	.90	SILTY SAND
219B	4790855	601187	12.3	0.00	67.91	30.20	1.89	0.00	0.00	0.00	0.00	SILTY SAND
220A	4791861	601186	13.7	0.00	37.51	57.16	5.34	0.00	0.00	0.00	0.00	SANDY SILT
220B	4791850	601189	13.5	0.00	38.89	56.76	4.35	0.00	0.00	0.00	0.00	SANDY SILT
221A	4792814	601177	14.5	0.00	73.68	24.51	1.81	0.00	0.00	0.00	0.00	SILTY SAND
221B	4792792	601186	14.5									
221B	4792792	601186	14.5	0.00	78.67	20.20	1.13	0.00	0.00	0.00	0.00	SILTY SAND
222A	4793826	601135	15.3	0.00	72.47	26.31	1.22	4.20	1.35	.60	1.78	SILTY SAND
222B	4793823	601129	15.3	0.00	72.47	26.31	1.22	4.20	1.36	.59	1.77	SILTY SAND
223B	4794826	601167	19.3	0.00	53.28	44.73	1.98	4.74	1.56	.62	.88	SILTY SAND
224B	4795867	601137	25.7	0.00	9.35	73.09	17.56	0.00	0.00	0.00	0.00	SILT
225B	4796875	601151	27.9	0.00	5.37	61.54	33.09	0.00	0.00	0.00	0.00	MUD
226B	4797866	601051	21.9	0.00	10.10	62.48	27.42	0.00	0.00	0.00	0.00	SANDY SILT
230A	4797855	600018	13.9	0.00	42.79	43.62	13.60	0.00	0.00	0.00	0.00	SANDY SILT
231A	4796818	600065	22.3	0.00	7.50	67.16	25.34	0.00	0.00	0.00	0.00	SILT
232A	4795863	600048	22.7	0.00	9.77	67.92	22.31	0.00	0.00	0.00	0.00	SILT
233A	4794806	600142	17.7	0.00	56.44	41.73	1.83	4.65	1.57	.60	.93	SILTY SAND
234A	4793809	600157	14.3	0.00	79.21	18.49	2.29	3.91	1.20	.56	2.71	SILTY SAND
235B	4792800	600246	13.5	0.00	56.58	41.00	2.42	4.58	1.62	.58	.85	SILTY SAND
236A	4791817	600178	12.9	0.00	79.50	18.70	1.81	3.62	1.41	.45	2.16	SILTY SAND
237A	4790873	600140	6.5	0.00	95.39	4.17	.44	3.07	.51	.07	1.05	SAND
237B	4790873	600137	6.5	0.00	94.55	3.16	2.29	3.08	.61	.19	1.38	SAND
238A	4791889	599137	2.3	0.00	96.06	1.41	2.53	2.47	.71	.02	1.45	SAND
239A	4792908	599121	7.9	0.00	92.31	4.66	3.03	3.13	.92	.27	2.30	SAND
240B	4793869	599150	11.9	0.00	55.79	40.48	3.73	4.66	1.66	.59	.90	SILTY SAND
241A	4794776	599182	14.5	0.00	71.49	25.25	3.25	4.25	1.51	.57	1.63	SILTY SAND
242A	4795858	599113	18.9	2.18	11.49	67.14	19.18	0.00	0.00	0.00	0.00	SANDY SILT
243B	4796855	599086	15.3	0.00	17.88	62.02	20.10	0.00	0.00	0.00	0.00	SANDY SILT
244A	4797840	599028	4.9	0.00	98.04	1.32	.65	2.45	.37	-.04	.88	SAND
245A	4796793	598253	8.7	0.00	89.99	6.35	3.66	3.19	.90	.33	3.98	MUDDY SAND
246B	4795848	598183	11.1	0.00	82.16	14.32	3.52	3.72	1.10	.50	2.96	SILTY SAND
247A	4794999	598005	5.9									
247B	4794989	597983	5.7									
248A	4794007	597957	.2	0.00	98.22	.38	1.40	2.31	.39	.04	1.26	SAND
248B	4794005	597963	.5	0.00	95.98	1.55	2.47	2.33	.40	.07	1.22	SAND

SAMPLE NUMBER	U.T.M. ZONE 17 NORTHING	EASTING	DEPTH METERS (IGLD)	PERCENT GRAVEL	SAND	SILT	CLAY	SIZDIST APPROXIMATIONS OF FOLK GRAPHIC STATISTICS MEAN	ST.DEV.	SKEW.	KURT.	BOTTOM TYPE (ST. JACQUES AND RUKAVINA, 19)
249B	4799940	603011	21.1	0.00	13.29	65.22	21.49	0.00	0.00	0.00	0.00	SANDY SILT
251B	4801970	602960	2.5	0.00	79.16	12.87	7.97	0.00	0.00	0.00	0.00	MUDDY SAND
253B	4801022	603961	19.9									BEDROCK AND/OR BOULDERS
258B	4804955	604916	5.1	0.00	88.67	8.06	3.28	2.49	1.05	.45	3.29	SILTY SAND
260A	4804970	605917	14.5	0.00	24.65	59.02	16.33	0.00	0.00	0.00	0.00	SANDY SILT
261B	4805002	606923	25.5									BEDROCK AND/OR BOULDERS
268A	4809027	608841	24.7	0.00	20.49	53.14	26.37	0.00	0.00	0.00	0.00	SANDY SILT
268B	4809031	608840	24.7	0.00	1.83	62.36	35.81	0.00	0.00	0.00	0.00	MUD
274	4813046	609754	3.2	0.00	96.54	1.68	1.78	2.94	.46	.12	1.13	SAND
278B	4811066	610792	24.9	0.00	23.00	52.48	24.52	0.00	0.00	0.00	0.00	SANDY SILT
282B	4816151	612691	6.1	0.00	87.91	9.03	3.06	0.00	0.00	0.00	0.00	SILTY SAND
283B	4815159	612671	13.3	0.00	24.59	53.89	21.52	0.00	0.00	0.00	0.00	SANDY SILT
284A	4814126	612718		0.00	96.42	2.96	.62	0.00	0.00	0.00	0.00	SAND
285B	4815190	613697	22.1	0.00	7.16	67.94	24.90	0.00	0.00	0.00	0.00	SILT
286A	4816158	613665	16.1	0.00	87.49	8.86	3.65	0.00	0.00	0.00	0.00	SILTY SAND
289A	4819125	613622	6.5	0.00	97.15	.51	2.34	2.74	.38	.04	1.33	SAND
291A	4821154	613576	4.1	0.00	98.82	.73	.45	2.32	.45	-.03	1.02	SAND
291C				0.00	58.60	33.32	8.08	0.00	0.00	0.00	0.00	SILTY SAND
292B	4822120	614566	3.2	0.00	97.22	2.06	.72	0.00	0.00	0.00	0.00	SAND
300A	4822160	615559	11.3	13.34	85.96	.46	.25	.46	1.36	-.29	1.37	GRAVELLY SAND
304B	4821232	616581	20.5									BEDROCK AND/OR BOULDERS
315A	4826147	618471	8.1	0.00	95.09	3.67	1.25	3.08	.58	-.10	1.25	SAND
315B	4826171	618481		0.00	89.08	8.98	1.95	0.00	0.00	0.00	0.00	SILTY SAND
319A	4826233	620446		0.00	95.82	1.75	2.43	1.92	.45	-.15	.93	SAND
319B	4826247	620449	16.3	0.00	7.98	36.26	55.76	0.00	0.00	0.00	0.00	MUD
319C	4826218	620446	15.7	0.00	83.88	10.59	5.52	0.00	0.00	0.00	0.00	MUDDY SAND
325A	4830279	622355	2.5	0.00	60.73	29.41	9.85	0.00	0.00	0.00	0.00	SILTY SAND
330B	4829346	623372	18.7	0.00	23.92	51.92	24.16	0.00	0.00	0.00	0.00	SANDY SILT
331B	4830282	623383	15.1	0.00	11.70	62.04	26.26	0.00	0.00	0.00	0.00	SANDY SILT
332A	4831307	623360	7.1	0.00	14.43	67.12	18.44	0.00	0.00	0.00	0.00	SANDY SILT
333A	4832347	624314	4.5	0.00	75.51	14.85	9.64	0.00	0.00	0.00	0.00	MUDDY SAND
334B	4831632	624280	10.7	0.00	7.87	65.44	26.69	0.00	0.00	0.00	0.00	SILT
335A	4830337	624368	18.5									
335B	4830331	624370	18.1									
336B	4830283	625362	19.1	0.00	11.45	67.82	20.74	0.00	0.00	0.00	0.00	SANDY SILT
337A	4831381	625343	13.1	0.00	7.00	72.18	20.81	0.00	0.00	0.00	0.00	SILT
338B	4832343	625289	4.5	6.86	92.07	.03	1.04	1.65	1.24	-.29	1.59	GRAVELLY SAND
339B	4831326	626353	11.5	0.00	39.11	53.38	7.51	0.00	0.00	0.00	0.00	SANDY SILT
340B	4830287	626349	19.7	0.00	5.45	67.11	27.45	0.00	0.00	0.00	0.00	SILT
341B	4830333	627342	19.1	0.00	13.81	64.59	21.60	0.00	0.00	0.00	0.00	SANDY SILT
342A	4831234	627324	10.7	.05	21.15	63.94	14.86	0.00	0.00	0.00	0.00	SANDY SILT
343B	4831374	628303	9.7	1.50	88.93	6.70	2.87	0.00	0.00	0.00	0.00	SAND
344A	4830338	628343	11.3	0.00	10.05	73.14	16.81	0.00	0.00	0.00	0.00	SANDY SILT
345B	4829419	629360	15.1	0.00	24.15	58.39	17.46	0.00	0.00	0.00	0.00	SANDY SILT
346B	4830349	629343	5.1	0.00	94.94	3.30	1.76	2.20	1.04	.01	1.28	SAND
347B	4829413	630373	3.8	.15	96.42	3.43	0.00	2.40	.62	-.29	1.29	SAND
348A	4828511	630355	54.1	0.00	9.38	62.97	27.65	0.00	0.00	0.00	0.00	SILT

23664