09005072

MGG 09005072

GEOLOGY LAB FILE COPY

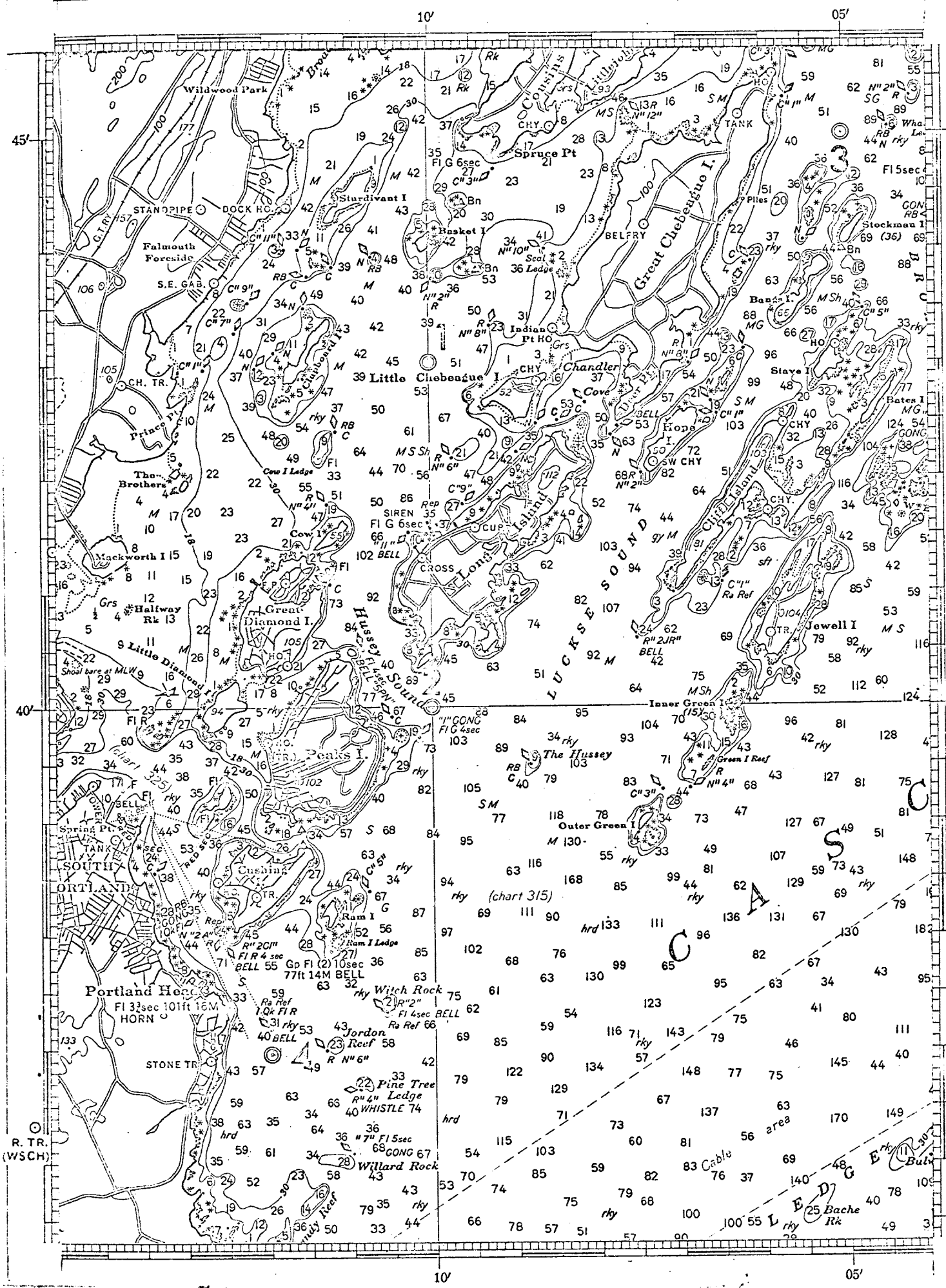
Laboratory Item No. 234

# A SUMMARY OF GRAB SAMPLE ANALYSES: MAINE VOCATIONAL TECHNICAL INSTITUTE

Prepared by: William L. Perry

October 1964

Geological Laboratory
Oceanographic Branch
Marine Surveys Division




MGG 0900 5072

MGC 0 9 0 0 5 0 7 2

OCEANOGRAPHIC LOG SHEET-R
PRNC-NAVOCEANO-3167/18 (Rev. 4-63)

# GRAB SAMPLE ANALYSIS SUMMARY SHEET
## SEDIMENT SIZE AND COMPOSITION

ANALYZED BY William J. Perry

DATE Nov. 2, 64

CRUISE NO. MVT I

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1. DATE TAKEN (Day, Mo., Yr.) | 23 IX 64 | | 23 IX 64 | | 23 IX 64 | | 23 IX 64 | |
| 2. SAMPLE NO. | BS-1 | | BS-2 | | BS-3 | | BS-4 | |
| 3. LABORATORY NO. | 234-1 | | 234-2 | | 234-3 | | 234-4 | |
| 4. LATITUDE | 43°43'N | | 43°40'N | | 43°45'N | | 43°37'N | |
| 5. LONGITUDE | 70°10'W | | 70°10'W | | 70°05'W | | 70°12'W | |
| 6. WATER DEPTH (m) | 21 | | 24.2 | | 18.3 | | 17.4 | |
| 7. TYPE SAMPLER | Orange Peel | | Orange Peel | | Orange Peel | | Orange Peel | |
| 8. COLOR (GSA Rock Color Charts) | 5GY 2/1 | | N1 | | 5Y 3/2 | | N1 | |
| F FIELD L LAB DETERMINATION | L | | L 10Y 4/2 | | L | | L 4Yr 4/2 | |
| 9. ODOR | | | | | | | | |
| 10. SIZE & COMPOSITION ANALYSIS | | | | | | | | |
| a. > 4mm mm (%) | | | | | | | | |
| b. 4 to 2 mm (%) | | | 14 | | | | | |
| c. 2 to 1 mm (%) | trace | | 11 | | trace | | | |
| d. 1 to .500 mm (%) | trace | | 18 | | 1 | | trace | |
| e. .500 to .250 mm (%) | trace | | 26 | | 72 | | 2 | |
| f. .250 to .125 mm (%) | trace | | 21 | | trace | | 85 | |
| g. .125 to .062 mm (%) | 14 | | 4 | | 11 | | 10 | |
| h. .062 to .031 mm (%) | 22 | | trace | | trace | | 3 | |
| i. .031 to .016 mm (%) | 16 | | 1 | | 4 | | | |
| j. .016 to .008 mm (%) | | | | | | | | |
| k. .008 to .004 mm (%) | 14 | | 1 | | 4 | | | |
| l. .004 to .002 mm (%) | | | | | | | | |
| m. .002 to .001 mm (%) | 9 | | 1 | | 3 | | | |
| n. < .001 mm (%) | 21 | | 3 | | 5 | | | |
| o. Median Diameter (mm) | .0203 | | .4204 | | .2892 | | .1696 | |
| p. Sorting Coefficient | 5.47 | | 2.14 | | 1.32 | | 1.16 | |
| q. Skewness | 0.21 | | 1.24 | | 0.78 | | 0.75 | |
| r. Standard Deviation (mm) | | | | | | | | |
| s. Sediment Type | Sandy Mud | | Sand | | Sand | | Sand | |
| t. Dominant Minerals (%) | | | | | | | | |
| u. Secondary Minerals (%) | | | | | | | | |
| v. Calcium Carbonate (%) | 8 | | 9 | | 4 | | 2 | |
| w. Organic Carbon (%) | | | | | | | | |

11. REMARKS