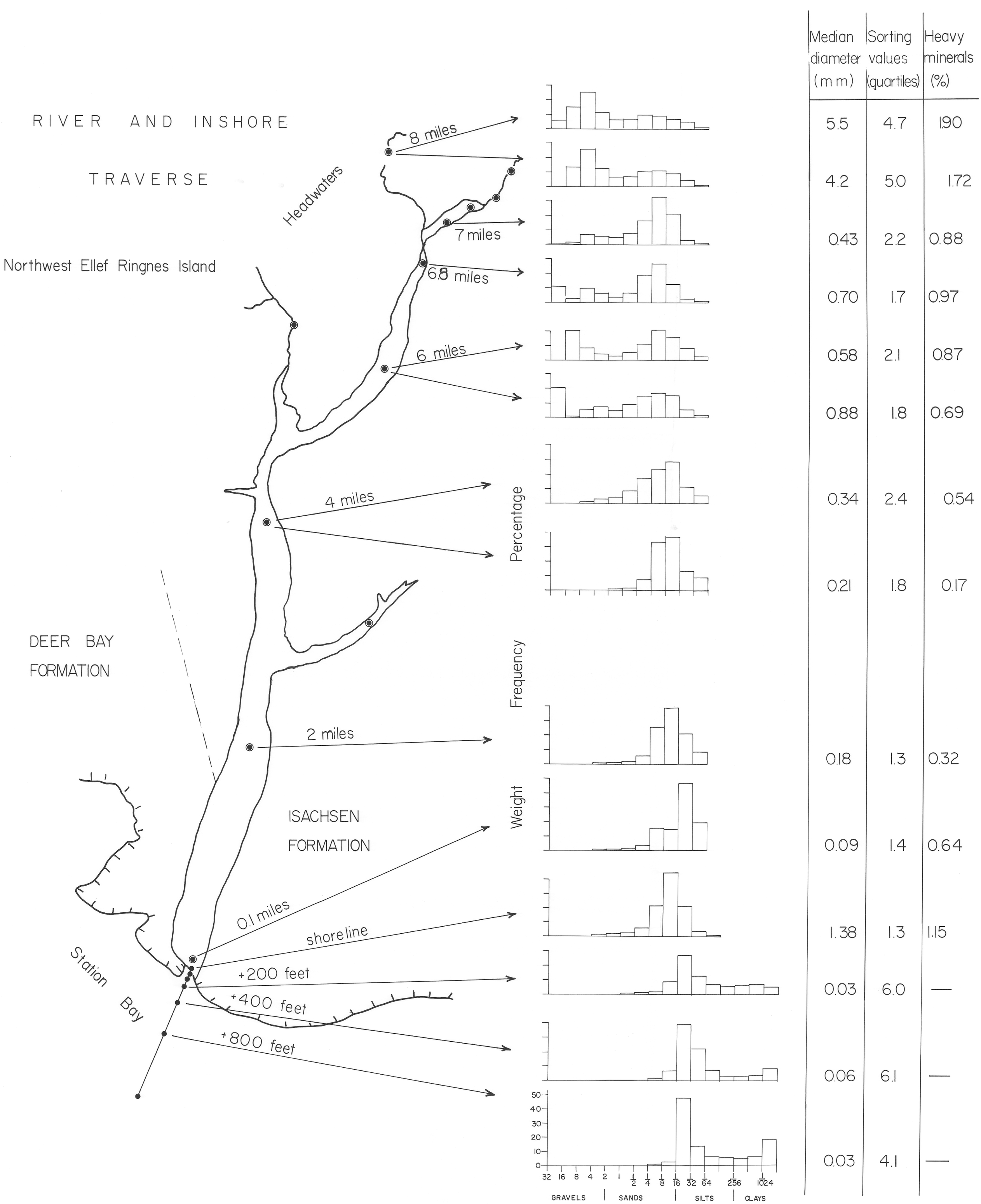

Median diameter (mm)	Sorting values (quartiles)	Heavy minerals (%)
5.5	4.7	1.90
4.2	5.0	1.72
0.43	2.2	0.88
0.70	1.7	0.97
0.58	2.1	0.87
0.88	1.8	0.69
0.34	2.4	0.54
0.21	1.8	0.17
0.18	1.3	0.32
0.09	1.4	0.64
1.38	1.3	1.15
0.03	6.0	—
0.06	6.1	—
0.03	4.1	—

Plot of river and inshore traverses showing variation of sedimentary properties with distance of transport from headwaters to bay. Double circles indicate river sampling localities and single circles, marine. Distance of transport above river mouth shown in miles and out to sea, in feet. Arrows point to histogram and sedimentary features representative of samples from given distances from river mouth. Note disappearance of gravel and sand, concentration of silts and clays, decrease in median grain diameters, the change in sorting values, and the decrease in heavy mineral content in downstream direction.

Figure 4. Transport of fluvial sediments in an arctic environment. Histograms and tables illustrate mechanical analyses of sediments from Ellef Ringnes Island.

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