

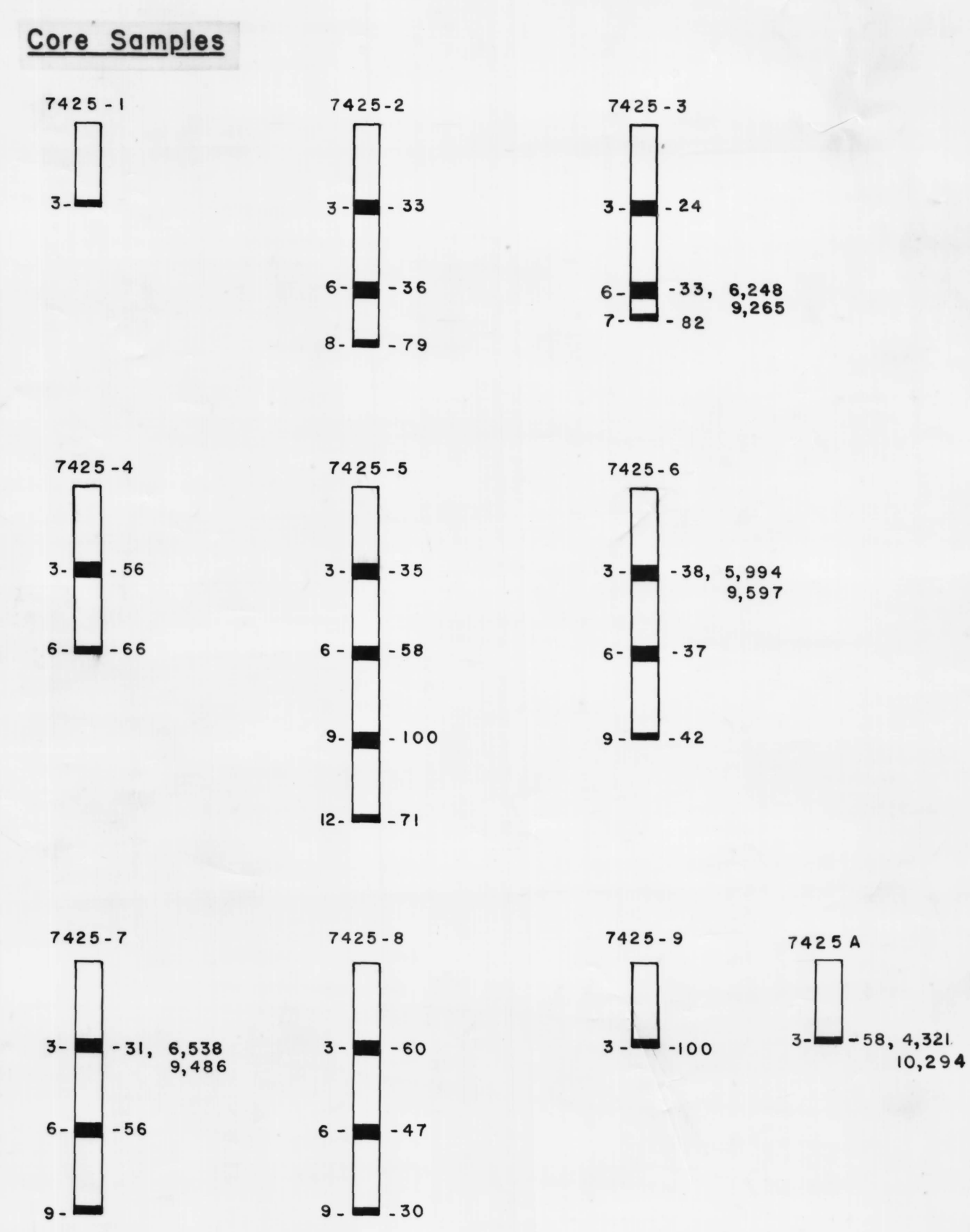


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**EXPLANATION**

**Core Explanation**  
 OOA-1 - Core site number keyed to map  
 Depth (ft.) - 3 - 25, 8300-BTU/lb., moisture free  
 6 - 36, 6,248  
 9 - 79, 9,265  
 12 - 36, 5,994  
 15 - 37, 6,697  
 18 - 100  
 21 - 42  
 24 - 71  
 27 - 31, 6,538  
 30 - 46, 9,486  
 33 - 60  
 36 - 47  
 39 - 30  
 42 - 100  
 45 - 59, 4,321  
 48 - 10,294



**Estimated Peat Resources**

- 7 lb. peat/ft., moisture and ash free (MAF)
- 9,732 BTU/lb., mean moisture and ash free BTU determined from analyzed cores of this study
- 6.1 ft. mean peat depth determined from cores on Alaska Open-File Report 150 I-M.

	R4W		R3W		R2W	
	Acres	Tons X10 <sup>3</sup>	Acres	Tons X10 <sup>3</sup>	Acres	Tons X10 <sup>3</sup>
T19N	794	738.4	221	205.5	77	71.6
T18N	2,448	2,276.7	2,367	2,201.3	161	149.7
T17N	2,107	1,959.5	1,896	1,763.3	213	198.1
T16N						

Total Acres Peat 10,284  
 Total Tons Peat, MAF 9,564.1 x 10<sup>3</sup>  
 Total Quads\*, MAF 0.186

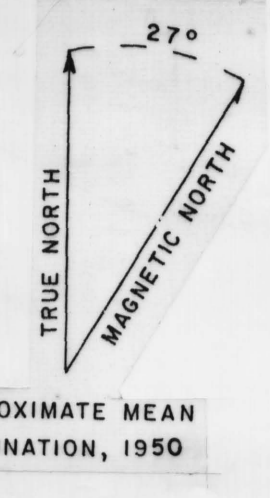
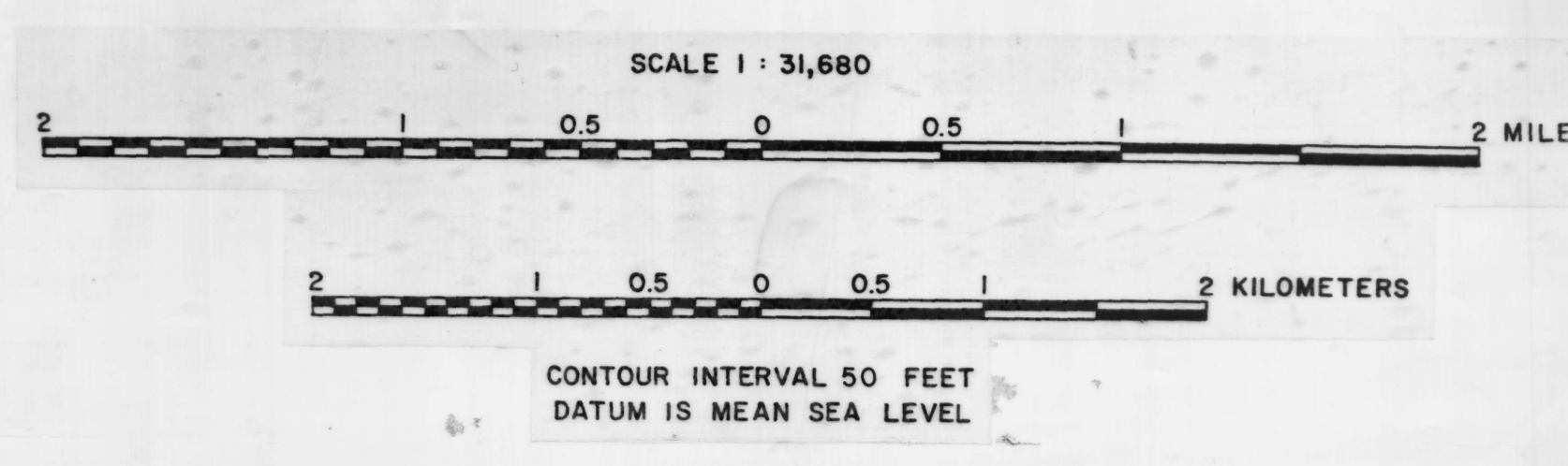
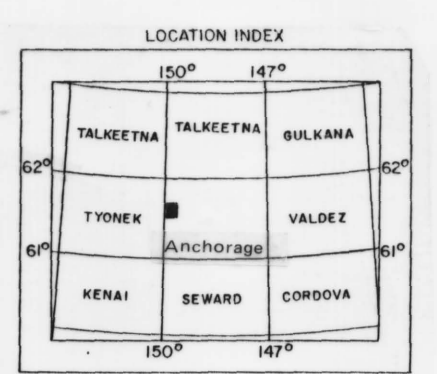
\*1 Quad = 10<sup>15</sup> BTU

In this report, total tons and total Btu values are for moisture- and ash-free peat. U.S. Department of Energy fuel-grade-peat criteria include a minimum of 8,300 Btu/lb (dry) and a maximum of 25 percent ash. However, 8,300 Btu/lb corresponds to an ash content of about 17 percent, which is considered critical for fuel-grade peat. Twenty-seven percent of all samples (n=511) analyzed for ash has less than 25 percent ash and 11 percent has less than 17 percent ash. Thus, values for total tons and total Btu's of in-situ fuel-grade peat are approximately 11 percent of those values shown, or 1,052 x 10<sup>3</sup> and 2.1 x 10<sup>13</sup>, respectively; total quads is 0.021.  
 If peat processing reduces the ash content by 50 percent, the maximum allowable in-situ ash content is 34 percent. Forty-three percent of all samples analyzed for ash has less than 34 percent ash; 43 percent of the total tons and total Btu's is 4,113 x 10<sup>3</sup> and 8.0 x 10<sup>13</sup>, respectively; total quads is 0.080.

**Symbols**

Peatland  
 OOA-1 Core site and number

Based on aerial photograph interpretation (NASA U-2, 1978 Lines 104-105, 1979 Line 103) September 1981 through November 1981. Coring by Northern Technical Services (NORTEC), Anchorage, Alaska, July 1981 through September 1981. Analysis for NORTEC by Dr. Rouse Farnham, consultant, Hibbing, Minnesota, and Mineral Industry Research Laboratory, University of Alaska, Fairbanks, Alaska.



Base from U.S. Geological Survey Anchorage C-8 Quadrangle, Alaska 1950

**PEAT RESOURCE MAP, ANCHORAGE C-8 QUADRANGLE, ALASKA**

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 1982

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This is a preliminary publication of the Alaska Division of Geological and Geophysical Surveys and as such has not received final editing and review. The author will appreciate candid comments on the accuracy of the data, and welcome suggestions that will improve the report.