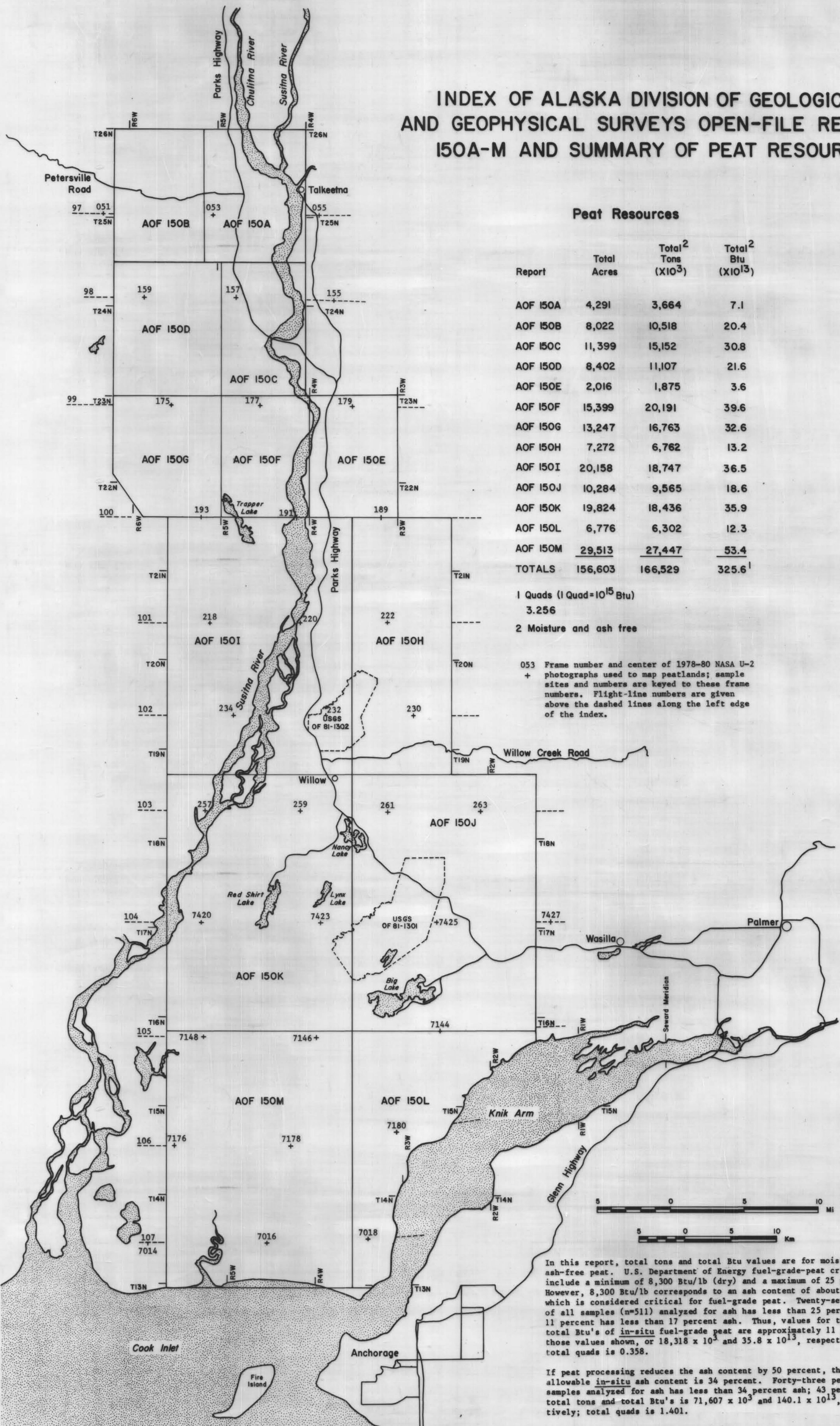


INDEX OF ALASKA DIVISION OF GEOLOGICAL  
AND GEOPHYSICAL SURVEYS OPEN-FILE REPORTS  
150A-M AND SUMMARY OF PEAT RESOURCES



Peat Resources

Report	Total Acres	Total <sup>2</sup> Tons (X10 <sup>3</sup> )	Total <sup>2</sup> Btu (X10 <sup>13</sup> )
AOF 150A	4,291	3,664	7.1
AOF 150B	8,022	10,518	20.4
AOF 150C	11,399	15,152	30.8
AOF 150D	8,402	11,107	21.6
AOF 150E	2,016	1,875	3.6
AOF 150F	15,399	20,191	39.6
AOF 150G	13,247	16,763	32.6
AOF 150H	7,272	6,762	13.2
AOF 150I	20,158	18,747	36.5
AOF 150J	10,284	9,565	18.6
AOF 150K	19,824	18,436	35.9
AOF 150L	6,776	6,302	12.3
AOF 150M	<u>29,513</u>	<u>27,447</u>	<u>53.4</u>
TOTALS	156,603	166,529	325.6 <sup>1</sup>

<sup>1</sup> Quads (1 Quad=10<sup>15</sup> Btu)  
3.256

<sup>2</sup> Moisture and ash free

053 Frame number and center of 1978-80 NASA U-2 photographs used to map peatlands; sample sites and numbers are keyed to these frame numbers. Flight-line numbers are given above the dashed lines along the left edge of the index.

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 18,318 x 10<sup>3</sup> and 35.8 x 10<sup>13</sup>, respectively; total quads is 0.358.

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 71,607 x 10<sup>3</sup> and 140.1 x 10<sup>13</sup>, respectively; total quads is 1.401.