

EXPLANATION

Land Resource Area	Acres Peat	Acres Unfrozen Peat	Acres Frozen Peat	Acres Fuel-Grade Peat
I Southeastern Alaska	3,621,350	3,621,350		541,100
II South-Central Alaska Mts.	1,213,900	1,212,500	1,400	319,950
III Cook Inlet-Susitna Lowland	1,825,350	1,825,350		1,825,350
IV Alaska Peninsula & Southwestern Islands	1,223,400	1,073,400	160,000	1,063,400
V Copper River Plateau	374,200	12,450	361,750	12,450
VI Alaska Range	81,100	38,550	42,550	38,550
VII Interior Alaska Lowlands	4,478,150		4,478,150	
VIII Kuskokwim Highlands	1,857,350	31,200	1,836,150	31,200
IX Interior Alaska Highlands	1,213,900		1,213,900	
X Norton Sound Highlands	652,800		652,800	
XI Western Alaska Coastal Plains & Deltas	5,864,050	1,156,750	4,707,300	1,156,750
XII Bering Sea Islands	283,600		283,600	
XIII Brooks Range	192,850		192,850	
XIV Arctic Foothills	51,000		51,000	
XV Arctic Coastal Plain	2,382,400		2,382,400	
Total	25,525,400	8,961,550	16,563,850	4,988,750

Total Energy Fuel-Grade Peat
 assuming - peat 5 ft. thick
 - bulk density 7 lb/ft³
 - 8300 Btu/lb. moisture free

63.13 quads (10¹⁵ Btu) ²

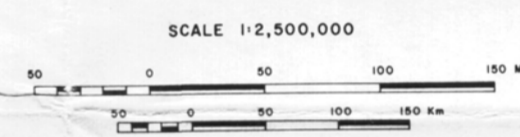
1. 5 ft. unfrozen
 2. Based on this study, 56% of unfrozen peat is fuel-grade quality. Assuming that 56% of frozen peat is also fuel-grade quality, total acreage of fuel-grade peat is 14,264,500 and total energy-fuel-grade peat is estimated to be 180.15 quads.

Symbols

① Land Resource Area

⊙ Soil Association Containing Peat As Principal Component

Peat - unit boundaries are from U.S. Department of Agriculture, Soil Conservation Service, *Exploratory Soil Survey in Alaska, 1979*. Map unit is an association of phases of soil subgroups containing one or more of the following principal components: Sphagnum borofibrata; terric borofibrata; fluvoaquatic cryofibrata; pergelic cryofibrata; terric cryofibrata; typic sphagnumfibrata; terric borohemista; typic cryohemista; lithic cryohemista; pergelic cryohemista; terric cryohemista; terric borosaprista; lithic cryosaprista; terric cryosaprista. Total acreage is the percentage of the principal component of the association. Frozen, unfrozen, and fuel-grade peats are determined from principal component descriptions.



This report has not received final editing and review. The authors are solely responsible for its content and will appreciate candid comments on the accuracy of the data as well as suggestions to improve the report.

PEAT RESOURCE MAP OF ALASKA

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Base by U.S. Geological Survey: Alaska, Map E, 1954