

EXPLANATION

| Land Resource Area | Acres Peat | Acres Unfrozen Peat | Acres Frozen Peat | Acres Fuel-Grade Peat ¹ |
|--|-------------------|---------------------|-------------------|------------------------------------|
| 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 | 1,867,350 | 31,200 | 1,836,150 | 31,200 |
| IX Interior Alaska Highlands | 1,213,900 | | 1,213,900 | |
| X Norton Sound Highlands | 852,800 | | 852,800 | |
| 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./ft.³
 8300 Btu./lb. moisture free

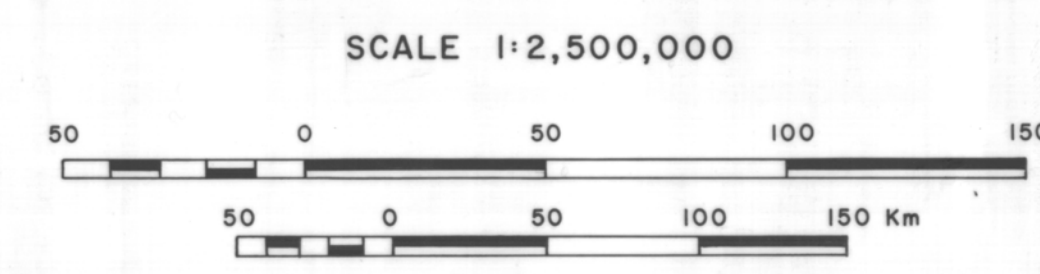
1. > 5 ft., unfrozen
 2. Based on this study, 56% of unfrozen peat is fuel-grade quality. Assuming that 56% of frozen peat is also fuel-grade quality, total acreage of fuel-grade peat is 14,264,500 and total energy fuel-grade peat is estimated to be 180.15 quads.

Symbols

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 borofibrists, terric borofibrists, fluvaquentic cryofibrists, pergelic cryofibrists, terric cryofibrists, typic sphagnumfibrists, terric borohemists, typic cryohemists, lithic cryohemists, pergelic cryohemists, terric cryohemists, terric borohemists, lithic cryosprists, terric cryosprists. 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.

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

PEAT RESOURCE MAP OF ALASKA

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