Wetlands and Climate

Numbered insets on the Kenai Peninsula Map show simulated 3D models of representative glacial landscapes corresponding to areas outlined in blue.

Wetlands were mapped using stereo-paired aerial photography at various scales: 1:12,500 around Homer, 1:24,000 on the Kenai Peninsula outside of Homer, and 1:18,000 in the Matanuska-Susitna Valley. Approximately 10-20% of wetland polygons have been visited. Wetlands on this map are displayed at a scale of 1:175,000 & 1:250,000.

Kettle hydrologic components


Ponded water

Bare mud

"Inner sedge marsh" inundated 0-2x / summer

Plantago maritima

Lutz spruce (Picea mariana (Mill.) HB. & W.) & seaside arrowgrass (Ammophila breviligulata (Wormsk.) Rydb.) & largeflower speargrass (Stipa gigantea (L.) Swallen)

TRIGLOCHIN MARITIMA

Gray)

Equisetum fluviatile

Carex aquatilis

Carex chordorrhiza

Eriophorum ramenski

Dasiphora fruiticosa

Myrica gale

Calamagrostis canadensis


Shallow peat, dominated by bluejoint reedgrass (Calamagrostis canadensis)

Water table at or near the surface, usually sedge-dominated

Variable water table, usually shrub-dominated

Variable water table, often a narrow watercourse fringed by shrubs and forest

Complex of DW components, often a narrow watercourse fringed by shrubs and forest

Ponded water

Bogs. Bog indicators (pH<4.2; [Ca]<2 mg/l; lack of fen plants) are masked by tephra on the Kenai Peninsula.

Disturbed (-d)

by human activity, shown by a suffix appended to any mapping unit

30°W 62°30'N 62°15'N 62°N 61°45'N 61°30'N 61°15'N 59°N 58°30'N 58°15'N 58°N 57°30'N 57°15'N 57°N 56°30'N 56°15'N 56°N 55°30'N 55°15'N 55°N