

Synopsis

In 2005-2006 representatives of the City of Homer, US Army Corps of Engineers, Environmental Protection Agency, US Fish & Wildlife Service, Kachemak Bay Research Reserve, Cook Inletkeeper, Kenai Watershed Forum, Natural Resources Conservation Service, and Alaska Department of Fish & Game met to assess Homer wetlands. After a thorough review of methods, a scoring protocol was developed and all wetlands

These strategies arose from that effort and are currently being used by some agency personnel to comment on Clean Water Act Section 404 wetland permits.

Beluga Lake Prohibit fill in Beluga Lake or the two associated wetland polygons (docks are permitted).

Beluga Slough Development in tidally influenced wetlands should be prohibited.

Beluga Slough Discharge Slope

Development should be encouraged in this core area of Homer. Mitigate for the loss of moose habitat. Further development north of Bunnel Avenue and east of Main Street should be discouraged. A goal of this plan is to bring private parcels in this area into conservation status. Development in tidally influenced wetlands should be prohibited

Bridge Creek Wetlands The wetland management strategy for this watershed is the same as the Bridge Creek Watershed Protection ordinance, which includes

a prohibition on filling wetlands.

Diamond Creek Wetlands Maintain large lot sizes. Maintain a 100 ft setback of natural vegetation along either side of Diamond Creek and its tributaries. Crossings should be perpendicular to the channel, via bridge or oversized culvert and involve the minimum amount of fill necessary for safety. Where uplands exist on a lot they must be used prior to filling wetlands. If more than 3% of wetlands on any lot are converted to hardened surface they must be compensated for with swales and/or runoff retention ponds. Loss of moose habitat should be mitigated.

Downtown wetlands

On City-owned parcels, maintain greenbelts incorporating storm water retention designs. Where uplands exist on a lot they must be used prior to filling wetlands. If more than 3% of wetlands on any lot are converted to hardened surface they must be compensated for with swales and/or runoff retention ponds. Loss of moose habitat should be mitigated.

East Beluga Discharge Accelerated runoff from hardened surfaces will be offset with swales and/or runoff retention ponds. Site design should include hydrologic connectivity to upstream and downstream parcels. Moose habitat values are high throughout. Moose habitat should be preserved or mitigated. Development along the border with the East Homer Drainageway Complex should maintain an 85 ft buffer of natural vegetation.

This area should be targeted for preservation and restoration. Encourage purchasing of private lots by Kachemak Heritage Land Trust, Moose Habitat Incorporated and others. If possible, restore hydrology and repair or

East Homer Drainageway

implement suitable storm water management measures along Kachemak Drive. Some fill may be allowed along Kachemak Drive. Kachemak Kettle

Maintain a 100 ft buffer along the East Homer Drainageway. Accelerated runoff from hardened surfaces will be offset with swales and/or runoff retention ponds. Loss of moose habitat should be mitigated.

Lampert Peatland Maintain a 100 ft buffer around Lampert Lake. Mitigate for lost hydrologic, general habitat, and moose habitat functions in wetlands west of Lampert Lake. Discourage further development of wetlands east of Lampert Lake. Prohibit wetland filling more than 400 ft from Kachemak Drive.

Landfill Kettle

Restrict development to the south side of the wetlands and along the highway. Accelerated runoff from hardened surfaces will be offset with swales and/or runoff retention ponds. Loss of moose habitat should be mitigated. The peatlands should be preserved and buffered with a 50 ft setback of undisturbed natural vegetation as they are highly functional for water retention and filtering.

Loop Kettle Loss of moose habitat should be mitigated. NE Slough

Retain natural vegetation as is practicable. Preserve existing wetlands for water quality functions and moose habitat.

N. Paul Banks Discharge Overlook Park Encourage development here. Retain

natural vegetation as is practicable. Accelerated runoff from hardened surfaces will be offset with swales and/or runoff retention ponds. Loss of moose habitat should be mitigated. Ocean Kettle Accelerated runoff from hardened surfaces

will be offset with swales and/or runoff retention ponds. Loss of moose habitat

should be mitigated.

Ocean Drive Kettle Retain natural vegetation as is practicable. Accelerated runoff from hardened surfaces will be offset with swales and/or runoff retention ponds. Loss of moose habitat

should be mitigated. Outer Loop Kettle

Retain natural vegetation as is practicable. Accelerated runoff from hardened surfaces will be offset with swales and/or runoff retention ponds. Loss of moose habitat should be mitigated.

Public lands: Maintain in conservation status and manage according to site management plan. Private Lands: Maintain moose habitat by limiting fill to the minimum necessary for a residence and minimum driveway and parking. No ditching or changes to drainageways should be allowed. Locate roads out of wetlands and out of drainageways to the extent possible. Maintain a 100 ft setback of natural vegetation on either side of Overlook Creek.

Palmer Drainageway and Fan

Maintain a 100 ft setback of natural vegetation on either side of Palmer Creek. Crossings should be perpendicular to the channel via bridge or oversized culvert and involve the minimum amount of fill necessary for safety. All of these wetlands should be preserved. A wetlands bank with Moose Habitat Incorporated will target private parcels in this area, along with the East Homer Drainageway, for purchase and preservation. Wetlands within the City of Homer that have been targeted for moose mitigation are eligible to receive credits from this bank.

Upper Woodard

Raven Kettle & Roger's Loop Depression Avoid wetland fill. Maintain the hydrologic integrity of drainageways and water retention and filtration capacity of the complex. Where uplands exist on a lot they must be used prior to filling wetlands. If more than 3% of wetlands on any lot are converted to hardened surface they must be compensated for with swales and/ or runoff retention ponds. Loss of moose habitat should be mitigated.

Runway Discharge

Within the airport boundary wetland hydrology should be maintained. Public lands: Those tracts outside the airport boundary should be maintained and managed for the values of the Homer Airport Critical Habitat Area. Private lands: Accelerated runoff from hardened surfaces will be offset with swales and/or runoff retention ponds. Loss of moose habitat should be mitigated.

On City-owned parcels, maintain greenbelts incorporating storm water retention designs. Retain as much natural vegetation on individual lots as is practicable. Where uplands exist on a lot they must be used prior to filling wetlands. If more than 3% of wetlands on any lot are converted to hardened surface they must be compensated for with swales and/or runoff retention ponds. Loss of moose habitat should be mitigated.

West Beluga Slope

Public lands: Publicly owned lands should be preserved as undisturbed wetlands. Private lands: These should be prioritized and purchased over time for inclusion in a mitigation bank whose purpose is to preserve moose habitat. Development should be discouraged. A master plan should be developed for this area as it is a very important wetland complex, and it is probably the most threatened in the City of Homer.

West Homer Discharge Retain natural vegetation as is practicable. Accelerated runoff from hardened surfaces will be offset with swales and/or runoff retention ponds. Loss of moose habitat

should be mitigated.

Wetlands mapped at 1:12,500, 2005. Background imagery from Aerometric, 2003 Prepared by Mike Gracz, Kenai Watershed Forum mike@kenaiwatershd.org 907-235-2218