

## APPENDIX A

### Preliminary Research Results

Contaminated Sites, Spills, and Underground Storage Tanks (USTs): A Phase I Environmental Site Assessment (ESA) was conducted by DOWL Engineering for the project area and will be incorporated into the environmental document. The ESA Phase I report for the airport was completed in February 2005.

The Prospect Creek Airport is owned by the Alaska Department of Transportation and Public Facilities and maintained and used by Alyeska Pipeline Company to transport equipment and personnel to the Adjacent Pump Station No. 5. The Prospect Creek Airport appears to be in excellent condition in general with no stains or other indication of environmental contamination on the ground. A search of ADEC Contaminated Sites database and the Spills database did not produce any records for the site. A 7,000-gallon Jet B above-ground storage tank was observed on site and appears to be in new condition and does not appear to have any leaks. The enclosure containing the dispenser equipment also was inspected during the site reconnaissance and appeared to be clean and did not appear to be leaking. An odor of kerosene was detected, however, but the source was small drips of fuel associated with normal fueling. The remaining building and facilities on the airport property were clean and did not appear to have any signs of environmental contamination. A building that was formerly used as an SRE building, and now contains emergency vehicles (fire trucks) could not be observed during the site reconnaissance.

Alyeska Pipeline Pump Station No. 5 is located near the airport, but was not able to be observed during the site reconnaissance. It is estimated that the pump station is a sufficient distance away from the airport that any spills would not be able to migrate to the airport.

A review of the Alaska Department of Environmental Conservation (ADEC) UST Database found no USTs in the Prospect Creek area. The ADEC leaking underground storage tank (LUST) database indicates no sites occur in the Prospect Creek area.

Area Landfill: A municipal landfill is not available at Prospect Creek. Alyeska Pipeline Service Company does have a permitted Class 3 (camp) landfill (013-BA005) located near Wiseman, Alaska, which is permitted for municipal waste, ash, and construction debris.

Formerly Used Defense Sites (FUDS): A search of the U.S. Army Corp of Engineers (USACE) FUDS website (<http://m1.crrel.usace.army.mil/fuds>) revealed no FUDS in the Prospect Creek area.

Historical, Archeological, and Cultural Sites: The Alaska Office of History and Archeology, State Historical Preservation Office (SHPO) maintains an inventory, the *Alaska Heritage Resources Survey* (AHRS), of all reported historic and prehistoric sites in the state. A review of the AHRS indicates that no sites in the Prospect Creek area are within 1 mile of the airport. Several sites (BET-00050, BET-00053, BET-00059, BET-00060, BET-00131) are located near the northern materials site (see Figure 3), but none are likely to be affected by gravel excavation at that site.

Coastal Zone Management: According to the ADNR's Coastal Zone and Coastal District Boundaries Map ([www.alaskacoast.state.ak.us/GIS/boundary.htm](http://www.alaskacoast.state.ak.us/GIS/boundary.htm)), the project area is not located within the coastal zone for Alaska.

Navigability, Floodplain Management, and Wetlands: The USACE Navigable Waters web page ([www.poa.usace.army.mil/reg/NavWat.htm](http://www.poa.usace.army.mil/reg/NavWat.htm)) does not list either the Jim River or Prospect Creek as navigable waters. The Corps of Engineers defines navigable waters to include "...those waters that are subject to the ebb and flow of the tide and/or are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce." Prospect Creek airport is not covered by the National Flood Insurance Program.

A wetlands survey of the project area was conducted in summer 2004 and a draft report was completed in December 2004 and submitted to ADOT&PF for review. The preliminary results of that survey (see Figure 4) indicate that wetlands of various types do occur in the project area. Wetlands, dominated by Woodland and Open Black Spruce Forest and Birch-Ericaceous Shrub, accounted for 80% of the mapped area, with uplands, primarily Open Mixed Forest and disturbed uplands, accounting for the remaining 20%. Should any dredge/fill be required in wetlands for this project, the appropriate permits would be acquired before construction.

Threatened and Endangered Species: The list of federally listed threatened and endangered species maintained by the U.S. Fish and Wildlife Service (USFWS) was consulted to determine if listed species are of concern in the Prospect Creek area. No species on the list occur within the project area.

The National Marine Fisheries Service (NMFS) website (<http://www.fakr.noaa.gov/protectedresources/default.htm>) was visited to determine if any species under their jurisdiction might be affected by the proposed project. No threatened or endangered marine species occur in the project area. Both Prospect Creek and the Jim River support anadromous fish populations and thus any activities that may involve these waterways would fall under the regulations for Essential Fish Habitat ([www.fakr.noaa.gov/habitat.efh.htm](http://www.fakr.noaa.gov/habitat.efh.htm)). No such activities are expected for this project.

Anadromous Fish Streams: A search of the ADFG *Atlas to the Catalog of Waters Important to the Spawning, Rearing or Migration of Anadromous Fishes* identified two anadromous fish streams in the Prospect Creek area: the Jim River (ADFG Stream #334-40-11000-2125-3740-4080), and Prospect Creek (ADFG Stream #334-40-11000-2125-3740-4080-5030). The Jim River, which is located 1.5 miles northwest of the airport supports spawning king and chum salmon and Prospect Creek, which is located about 2 miles southwest of the airport supports spawning and rearing king salmon. Neither of these waterways is within the project area and would not be affected by the proposed airport improvements.

Essential Fish Habitat: The Jim River and Prospect Creek support anadromous fish populations and thus any activities that may involve these waterways, such as gravel acquisition, would fall under the regulations for Essential Fish Habitat ([www.fakr.noaa.gov/habitat.efh.htm](http://www.fakr.noaa.gov/habitat.efh.htm)). Currently no such activities are proposed for this project.

National Wildlife Refuges: The USFWS refuge website (<http://www.r7.fws.gov/nwr/nwr.htm>) indicates that the Prospect Creek is located northwest of the Kanuti National Wildlife Refuge (NWR).

National Parks, Preserves, Monuments, and Wild and Scenic Rivers: The National Park Service website ([www.nps.gov/carto/PDF/AKPAAMap1.pdf](http://www.nps.gov/carto/PDF/AKPAAMap1.pdf)) was reviewed to determine if any National Parks, Preserves, Monuments, or Wild and Scenic Rivers exist in the proposed project area. No sites were indicated.

Federal Recreation Areas: The Federal recreation website ([www.Recreation.gov](http://www.Recreation.gov)) was reviewed to determine if any federal recreational areas exist in the proposed project vicinity. The Prospect Creek airport is within the Dalton Highway Recreation Management Area, which is managed by the Bureau of Land Management (<http://aurora.ak.blm.gov/dalton/programs/default.html>).

State Parks, State Refuges, Critical Habitat Areas, and Sanctuaries: A review of the ADFG publication, *State of Alaska Refuges, Critical Habitat Areas and Sanctuaries* found that no State Refuges, Critical Habitat Areas, or Sanctuaries occur in the proposed project area. No state parks are located in the project area.

State and Local Land Use Plans: The Prospect Creek airport is not within a region of the state for which the Alaska Department of Natural Resources (ADNR) has prepared a regional land use plan. However, the airport is within the area covered by the Dalton Highway Master Plan [http://www.dnr.state.ak.us/mlw/planning/mgtplans/dalton\\_highway/index.htm](http://www.dnr.state.ak.us/mlw/planning/mgtplans/dalton_highway/index.htm). A local land use plan was not located for the Prospect Creek area.