

Wildlife Conservation Laboratory Remodel**FY2004 Request: \$150,000****Reference No: AMD 38528****AP/AL:** Appropriation**Project Type:** Renovation and Remodeling**Category:** Development**Location:** Anchorage Areawide**Contact:** Kevin A Brooks**House District:** Anchorage Areawide (HD 17-32) **Contact Phone:** (907)465-5999**Estimated Project Dates:** 07/01/2003 - 06/30/2008**Brief Summary and Statement of Need:**

The Division of Wildlife Conservation has a need for additional research laboratory space in Anchorage. There is existing space within the Anchorage Regional Office that can be remodeled, and combined, while upgrading an existing lab that will result in a dual function research laboratory to meet our needs. Funds will be utilized for professional design services, construction, and the purchase and upgrade of necessary equipment. Some new laboratory equipment planned for the remodeled facility will be acquired with existing federal project funds. The department has received a positive preliminary permitting and code compliance review from the Municipality of Anchorage.

Funding:	<u>FY2004</u>	<u>FY2005</u>	<u>FY2006</u>	<u>FY2007</u>	<u>FY2008</u>	<u>FY2009</u>	<u>Total</u>
Fish/Game	\$150,000						\$150,000
Total:	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

None

Project Description/Justification:

Laboratory space is proposed for remodeling/upgrading at the Anchorage Regional Office located at 333 Raspberry Road to support physiological ecology research conducted by several research groups within the Division of Wildlife Conservation. The project will include the upgrading of approximately 600 square feet of existing lab space, the remodeling and combining of approximately 700 square feet of space adjacent to the existing lab, and the installation of necessary laboratory equipment. Commercial rental of additional lab space is cost prohibitive and unnecessary due to the availability of existing space that can be converted within the Regional Office building.

Biological staff requires a clean environment to perform research on bears, furbearers, marine mammals, and other species. The primary function of the existing space has been as a necropsy laboratory. Expanded uses of the remodeled/upgraded lab will provide a clean facility which allows for additional and highly sophisticated physiological ecology research of bears, furbearers, and marine mammals. The majority of the questions addressed in the research conducted by these groups center on determination of body condition, diet and health of various terrestrial and marine species (bears, wolves, sea lions etc.). These research avenues require a "clean" lab space for the processing of animal blood and tissue samples, plus a relatively dust free environment, both for sample integrity and for the sensitive electronic equipment involved in the various analyses.

This type of research laboratory often resembles a general biochemistry laboratory, with a great deal of electronic analytical instrumentation coexisting with frequent use of organic solvents requiring constant fume hood access. A

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portion of the laboratory space is also dedicated to maintenance of 5 ultra cold (-80 C) tissue storage freezers that house the collection of tissues currently being analyzed as well as those archived for future analyses.