

UAF Alaska Region Research Vessel Additional Receipt Authority

FY2010 Request: \$100,000,000
Reference No: 45331

AP/AL: Appropriation

Project Type: Construction

Category: University

Location: Statewide

Contact: Michelle Rizk

House District: Statewide (HD 1-40)

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Estimated Project Dates: 07/01/2009 - 06/30/2014

Brief Summary and Statement of Need:

In FY05, UAF was appropriated federal receipt authority of \$80M for National Science Foundation (NSF) funding to purchase a new research vessel. The final NSF funding became available in the fall of 2007 and has increased to accommodate inflation and changes in scope of work over the past few years. Additional receipt authority is needed to accept the NSF funding and the new research vessel.

Funding:	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>Total</u>
Fed Rcpts	\$100,000,000						\$100,000,000
Total:	\$100,000,000	\$0	\$0	\$0	\$0	\$0	\$100,000,000

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

FY05 \$80M, Federal Receipt Authority

Project Description/Justification:

The Alaska Region Research Vessel (ARRV) is a 236-foot ice-capable vessel to support research in high latitudes. The ARRV will be owned by the National Science Foundation and operated by UAF on behalf of the entire ocean sciences community, through the University-National Oceanographic Laboratory System. The new vessel will open up the ice-choked waters of the Alaska region to scientists from all over the world and will be the first vessel in the U.S. academic research fleet capable of breaking ice up to 2.5 ft thick. In addition to its ice-breaking capabilities, the ARRV will allow researchers to collect sediment samples directly from the seafloor, host remotely operated vehicles and use a suite of flexible winches to raise and lower testing equipment throughout the water column. The ship will also be able to transmit real-time information directly to classrooms all over the world. The ARRV will accommodate 26 scientists and students at a time, including those with disabilities.

With its ability to penetrate the polar and sub-polar regions, the ARRV will allow scientists and graduate students to study global issues, such as sea-level rise and climate change and the effects of both on the coastal and arctic ecosystems.