UAF has a Cooperative Agreement (CA) with NSF to Construct and Operate the ARRV (OCE-0723426)

Pls: Dan Oliver Terry Whitledge Denis Wiesenburg



Denis Wiesenburg UNOLS Annual Meeting 2008

a to a figure of the

October 2, 2008



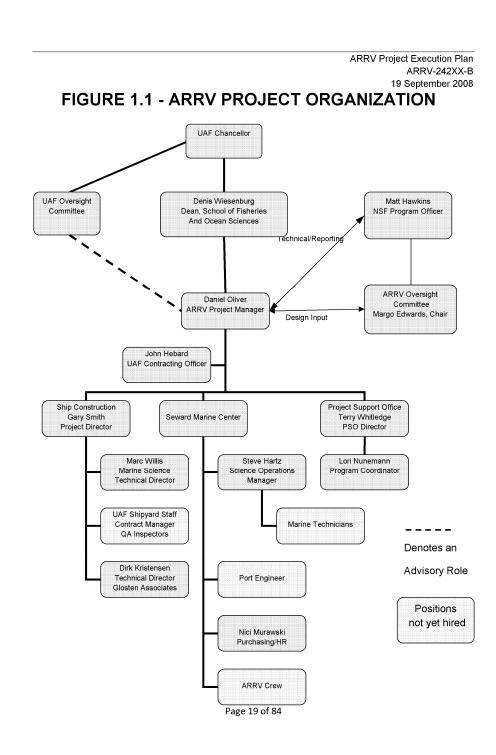
Seward Marine Center Director Leading the ARRV Program

- Capt. Dan Oliver (USCG retired)
- 30 years service experience in the U.S. Coast Guard
- He sailed on USCGC HEALY over 4 years, two years as Executive Officer (XO) and 2 years as Commanding Officer.
- B.S. in Marine Science USGCA
- M.S. in Mech. Engineering, University of Michigan

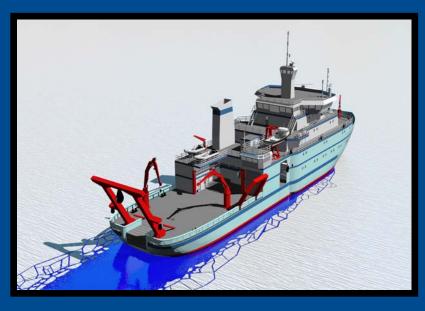


UAF ARRV Project Team

- Project Director: Capt. Dan Oliver
- Construction Manager: Mr. Gary Smith
- Program Manager: Dr. Terry Whitledge
- Science Operations: Steve Hartz
- Marine Science Technical Director Marc Willis (Oregon State University)
- Technical Support: Dirk Kristensen (Glosten Associates) et al.



Alaska Region Research Vessel





- Length: 242 feet
- Beam: 48 feet
- Draft: 19 feet
- Endurance: 44 days
- Icebreaking capability: 2.5 ft at 2.5 knots
- Crew: 20
- Scientists: 26
- Cruising speed: 12 knots
- Handicap accessible
- Ability to transmit data real-time to classrooms, the public

DESIGN REFRESH

- Updating the contract design that was completed in December 2004
- Major changes:
 - hull lengthened to 242 feet Archimedes principle
 - improved crew berthing habitability issue
 - eliminated trawl fishing gear cost reduction
 - greater guidance/emphasis on u/w radiated noise
 - ABS review of drawings, CG review of GA
 - greater detail on science requirements

CURRENT PROJECT STATUS

- In phase 1 of a 4 phase project
- Phase 2 delayed by NSF no FY09 funding
- Finalizing design refresh and development of project documentation
- ARRV Oversight Committee established
- Revised PEP delivered to NSF 9-19-08
- Preparing for Final Design Review with NSF - October 20-23, 2008

CURRENT PROJECT STATUS

- NSF award to UAF: \$123 million
- UAF Funding to date:
- Funds appropriated:
 by Congress
- Total project cost:

\$4.7 million (phase 1)

\$51.43 million

\$175,853,214 (est.)

Contingency included: \$20,777,000 (est.)

PROJECT SCHEDULE

- Final Design Review October 20, 2008 at NSF
- Phase 1 will finish end of May 2009 with National Science Board approval of FDR
- With NSB approval, expect to get funding in FY2010 for shipyard bids in August 2009
- March 2010 Begin Construction
- 39 to 50 month shipyard contract period lead time for Z-drives is the critical factor
- 2014 Vessel delivered to UAF science ready

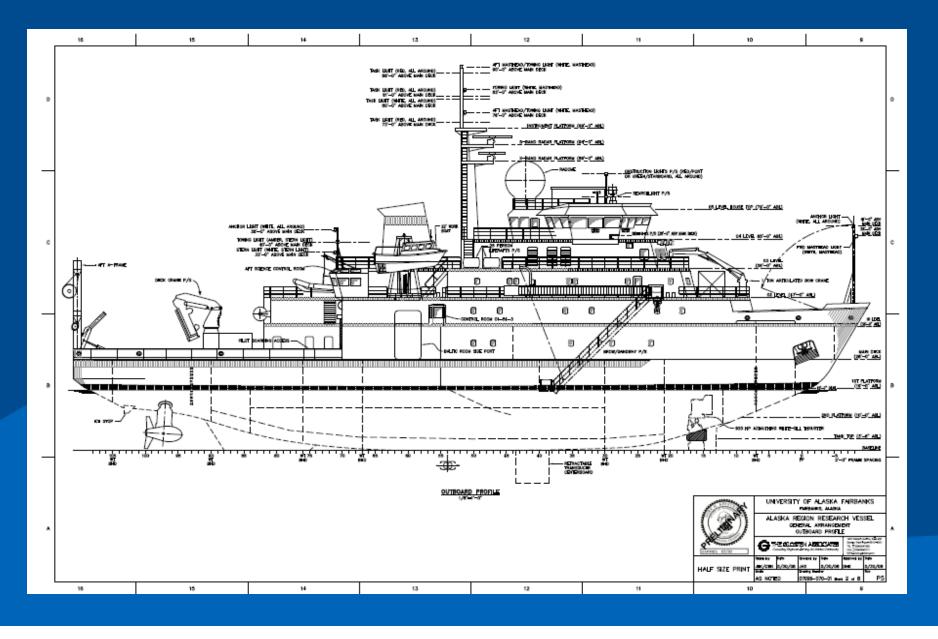
ALASKA REGION RESEARCH VESSEL



ALASKA REGION RESEARCH VESSEL



ALASKA REGION RESEARCH VESSEL





For more information about this map, please contact rmikol@gi.alaska.edu

(www.gina.alaska.edu)

Seward Marine Center Plan



ARRV Movie