

Development of Basic and Advanced Shiphandling Courses

PWSRCAC Contract No. 8014.22.1



The Challenge

- **Confusion**
 - Issues regarding what the exact product was
 - The project was referred to as either “USCG Basic and Advanced Emergency Ship Handling Training” or “Basic and Advanced Ship Handling”
 - There is no “USCG Basic and Advanced Emergency Ship Handling Training” recognized or required by IMO or USCG



The Solution

- **Three possible choices**
 - **Cancel the project**
 - **Develop Emergency Ship Handling courses that would not be USCG approved or meet IMO training guidelines**
 - **Develop Ship Handling courses that would be USCG approved and meet IMO training guidelines**



Deliverable A

- **Task**
 - **Develop two original USCG Approved Basic Shiphandling and Advanced Shiphandling courses**
- **Work Product**
 - **Completed Course Syllabus**
- **Work Started: 1 July 2021**
- **Work Completed: 15 October 2021**



Deliverable B

- **Task**
 - Develop simulation-based assessments and a written final exam for students to demonstrate successful completion
- **Work Product**
 - Completed simulation based assessment for both courses and a written exam for the Basic Shiphandling Course
 - Due to the nature and topics of the Advanced Shiphandling Course it was determined that simulation based assessments alone were the most effective assessment instrument to be used to demonstrate successful completion
- **Work Started: 18 October 2021**
- **Work Completed: 25 January 2022**



Deliverable C

- **Task**
 - Design courses to meet USCG and IMO requirement and submit to USCG for approval
- **Work Product**
 - Application to the USCG for course approval
- **Work Started: 4 January 2022**
- **Work Completed: 31 January 2022**



Deliverable D

- **Task**
 - Preparation of final written report, including an executive summary and virtual (or in person) presentation in Power Point format to the Council Board of Directors at an agreed upon meeting time
- **Work Product**
 - Final Report and Presentation
- **Work Started: October 2021**
- **Work Completed: May 2022**



Final Course Approval

- **We received notification from the Coast Guard on April 26, 2022 that the Basic Shiphandling course is approved.**
- **Basic Shiphandling has been put on our training schedule to be offered this fall term.**
- **We received notification from the Coast Guard on April 28, 2022 that the Advanced Shiphandling course is approved and it will be placed on our training schedule as well.**

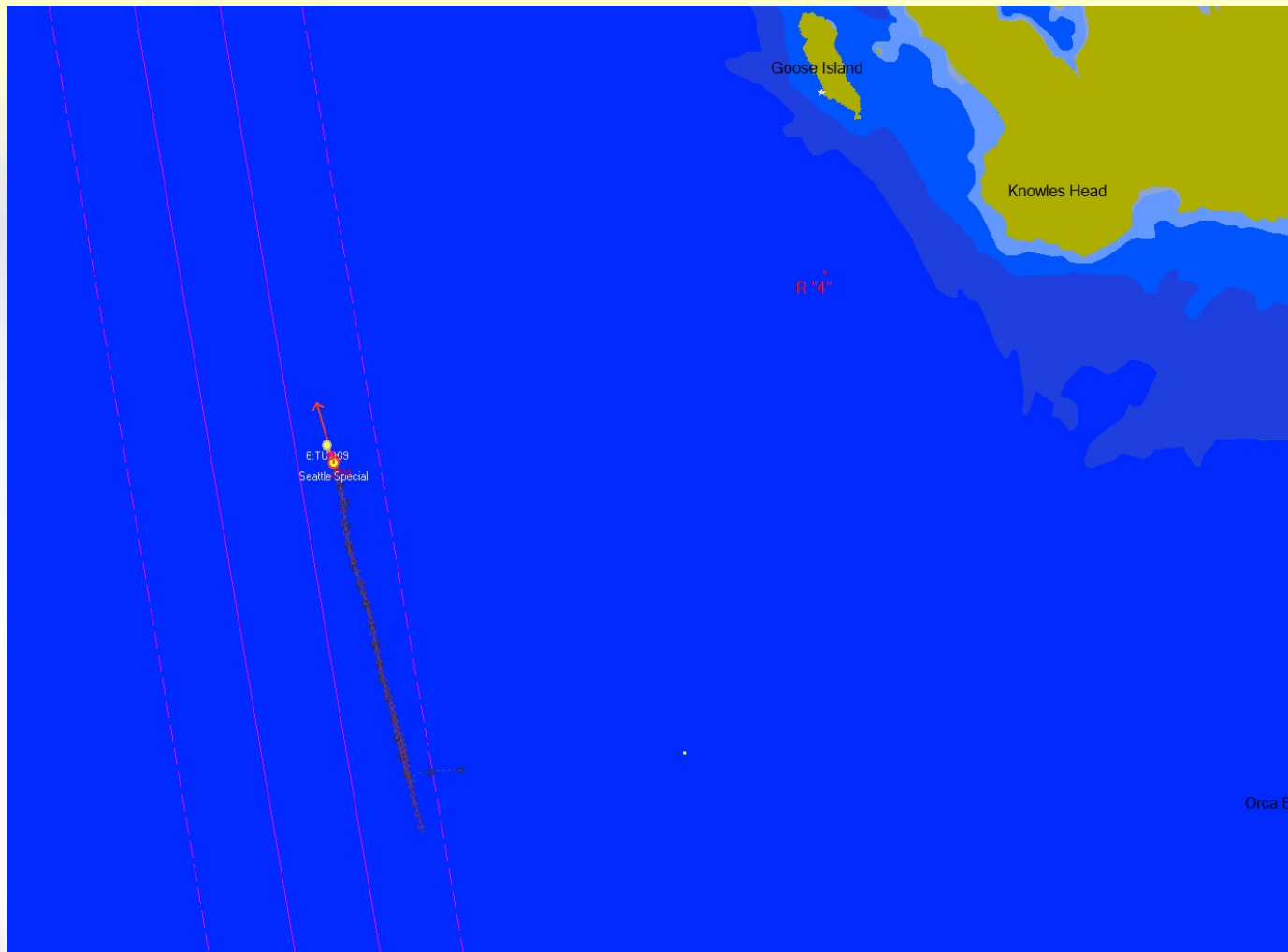


Alaska Focus

- This course was developed by Alaskans for Alaskans
- 5 simulations for Basic Shiphandling
- 10 simulations for Advanced Shiphandling
- 13 of the 15 simulations take place in PWS – These take advantage of the high resolution data base developed for the PWS area thanks to previous funding from the PWSRCAC
- 1 takes place in the Gulf of Alaska inbound for Hinchinbrook Entrance
- 1 takes place in Nome



Debriefs Allow for Greater Learning



Tow Connected



Bridge View



Making Turn Under Tow



Live Demonstration

- The previous pictures really don't do our simulator and its capabilities justice
- AVTEC would love to make time for you to view what we have done when you meet in September in person in Seward this year



Simulator Training

- Allows for training for events that push the envelope without endangering vessels or the environment
- Mariners will hopefully never find themselves in this situations, but they can prepare



Thanks

- **Prior to this project, Alaskan mariners requiring this training needed to go out of state to complete it**
- **We appreciate this partnership which has allowed AVTEC to develop two important courses that will now be available within the State of Alaska to mariners working in our challenging environment**



Questions?

