Synopsis of Vessel Activities Webinar

Spills Program
April 1, 2020
Agenda

12:30 PM  Welcome, Introductions, Agenda Review, Logistics
12:45 PM  Overview of synopsis requirements, project plan, and example data
1:15 PM   Input from participants
2:15 PM   Questions from participants
2:30 PM   Conclude
Logistics

• All participants will be muted
• Click the “raise hand” button if you would like to ask a question or type questions into the chat box
• We’ll address questions at the end of the presentation
• Note taker will record questions and comments
Webinar Purpose

• Introduce the project and provide additional information
• Listen to your input and ideas
Budget Proviso (ESHB 1109)

- **Product:** Synopsis of current maritime vessel activity, navigation lanes, and anchorages
- **Due Date:** June 30, 2021
- **Synopsis Requirements:**
  - Compile key findings and baseline information on the spatial and temporal distribution of and intensity of current maritime vessel activity.
  - Participation/Coordination with Canadian agencies, first nations, federal agencies, state agencies, federally recognized Indian tribes, and commercial and recreational vessel operators and organizations.
Study Area

- Northern Puget Sound (North of Admiralty Inlet) and the Strait of Juan de Fuca, including vessel transits in Canadian portions of the transboundary waters
Report Format

• Description of vessel activity in a given location for each month/season
  ▪ One report section for each month/season of analysis
  ▪ Key observations and description of areas and timeframes of overlapping vessel uses, such as:
    ▪ AIS vessel transits
    ▪ Anchorage Usage
    ▪ Fisheries openings and catch areas
    ▪ Marine Events
  ▪ Tables, maps, or other visual displays as appendices
## Data Sources

<table>
<thead>
<tr>
<th>Data Source</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIS data from Coast Guard</td>
<td>Transits data for cargo vessel, tankers, tugs, and some passenger, fishing, and recreational vessels</td>
</tr>
<tr>
<td>WA Sea Grant</td>
<td>Number of registered recreational vessels</td>
</tr>
<tr>
<td>WDFW</td>
<td>WA fishing locations and seasons</td>
</tr>
<tr>
<td>USCG Marine Event Permits</td>
<td>US marine event locations and dates</td>
</tr>
<tr>
<td>DFO?</td>
<td>Canadian fishing areas and seasons</td>
</tr>
</tbody>
</table>
Project Timeline

Oct-Dec 2019
- Create project plan
- Research data sources

Jan-Feb 2020
- Create communications and outreach plans
- Begin outreach

March-April 2020
- Continue outreach
- Create webpage to post project updates

April-June 2020
- Analyze data

June-Sept 2020
- Write synopsis
Using Crossing Lines to Count Transits

- AIS points turned into track lines
- Set up sample crossing line
- Count number of times a track line intersects with the crossing line
Sample Crossing Line Counts

- New Dungeness Light to Discovery Island Light
  - Cargo: 491
  - Tugs: 75
  - Fishing: 65
  - Tankers: 63
  - Passenger: 21
  - Recreational: 14
Layering data example
Summer 2019

Crossing line data
- Cargo: 491
- Tugs: 75
- Fishing: 65
- Tankers: 63
- Passenger: 21
- Recreational: 14

Marine Fisheries open
- Salmon
- Shrimp
- Bottomfish
- Crab
- Herring
Layering data example
Summer 2019

- Crossing line data
  - Cargo: 491
  - Tugs: 75
  - Fishing: 65
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- Marine Fisheries open
  - Salmon
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  - Herring

Example Marine Event
Sample AIS Data (Jan. 15, 2018)
Sample AIS Data (Jan. 2018)
Your Turn

1. How can we make this synopsis useful for you? What would you like to see?
2. Do you have any data or information you think would be helpful for this analysis?
3. Are there any specific areas you would like to see crossing lines added?
4. What visuals would you like to see? (e.g. map of specific section of the waterway, map with certain vessel types or of specific seasons, tables or other visuals)
5. Are we missing any information that you think is important to include?
Next Steps

• We’ve recorded your comments and will email these notes to you next week
• May: Additional webinar to discuss crossing line locations and areas
• June: Potential presentation at joint HSC/PACMAR meeting
• Project updates via website and email
• Contact Rachel.Assink@ecy.wa.gov if you want to share any info in the future
Questions?
• (26) $100,000 of the oil spill prevention account—state appropriation is provided solely for the department to produce a synopsis of current maritime vessel activity, navigation lanes, and anchorages in the northern Puget Sound and the strait of Juan de Fuca, including vessel transit in Canadian portions of transboundary waters. Consistent with RCW 43.372.030, the synopsis must compile key findings and baseline information on the spatial and temporal distribution of and intensity of current maritime vessel activity. The department may collect new information on vessel activity, including information on commercial and recreational fishing, where relevant to the synopsis. In producing the synopsis, the department must invite the participation of Canadian agencies and first nations, and must coordinate with federal agencies, other state agencies, federally recognized Indian tribes, commercial and recreational vessel operators and organizations representing such operators, and other stakeholders. The department must provide a draft of the synopsis to the appropriate committees of the legislature by June 30, 2021.