

# 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



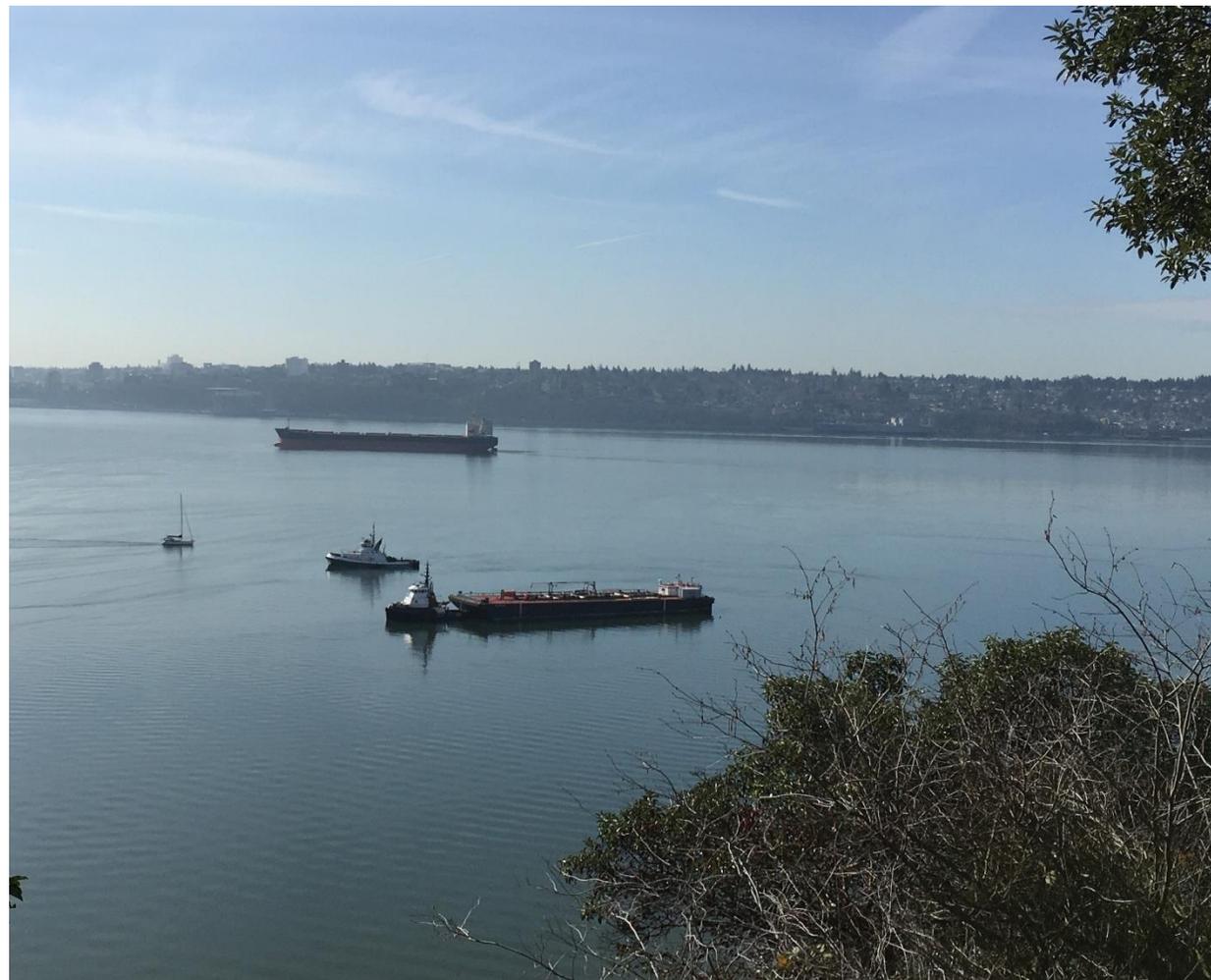
# Logistics

- 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



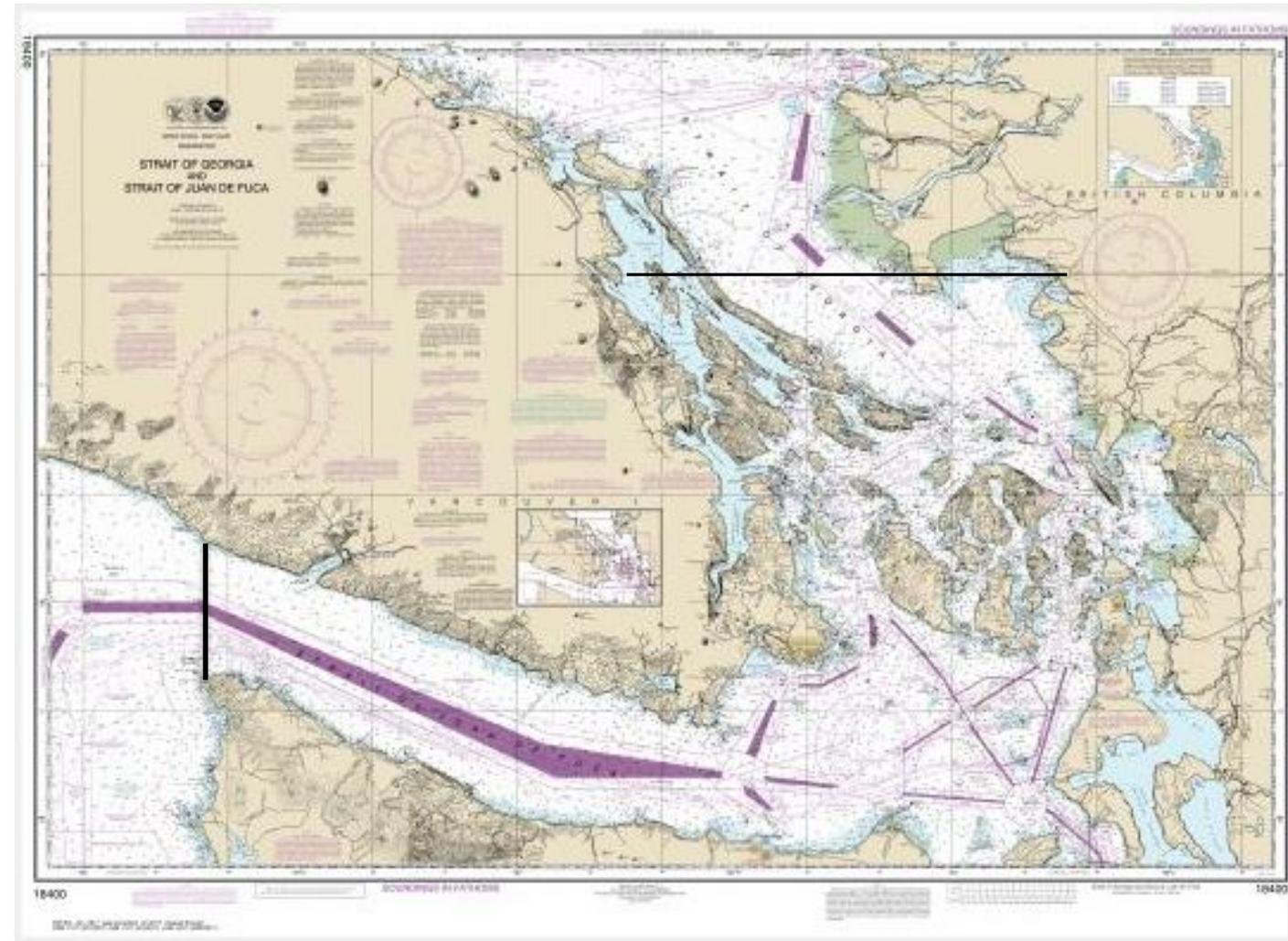
# Budget Proviso (ESHB 1109)

- **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

Data Source	Data Type
AIS data from Coast Guard	Transits data for cargo vessel, tankers, tugs, and some passenger, fishing, and recreational vessels
WA Sea Grant	Number of registered recreational vessels
WDFW	WA fishing locations and seasons
USCG Marine Event Permits	US marine event locations and dates
DFO?	Canadian fishing areas and seasons

# 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



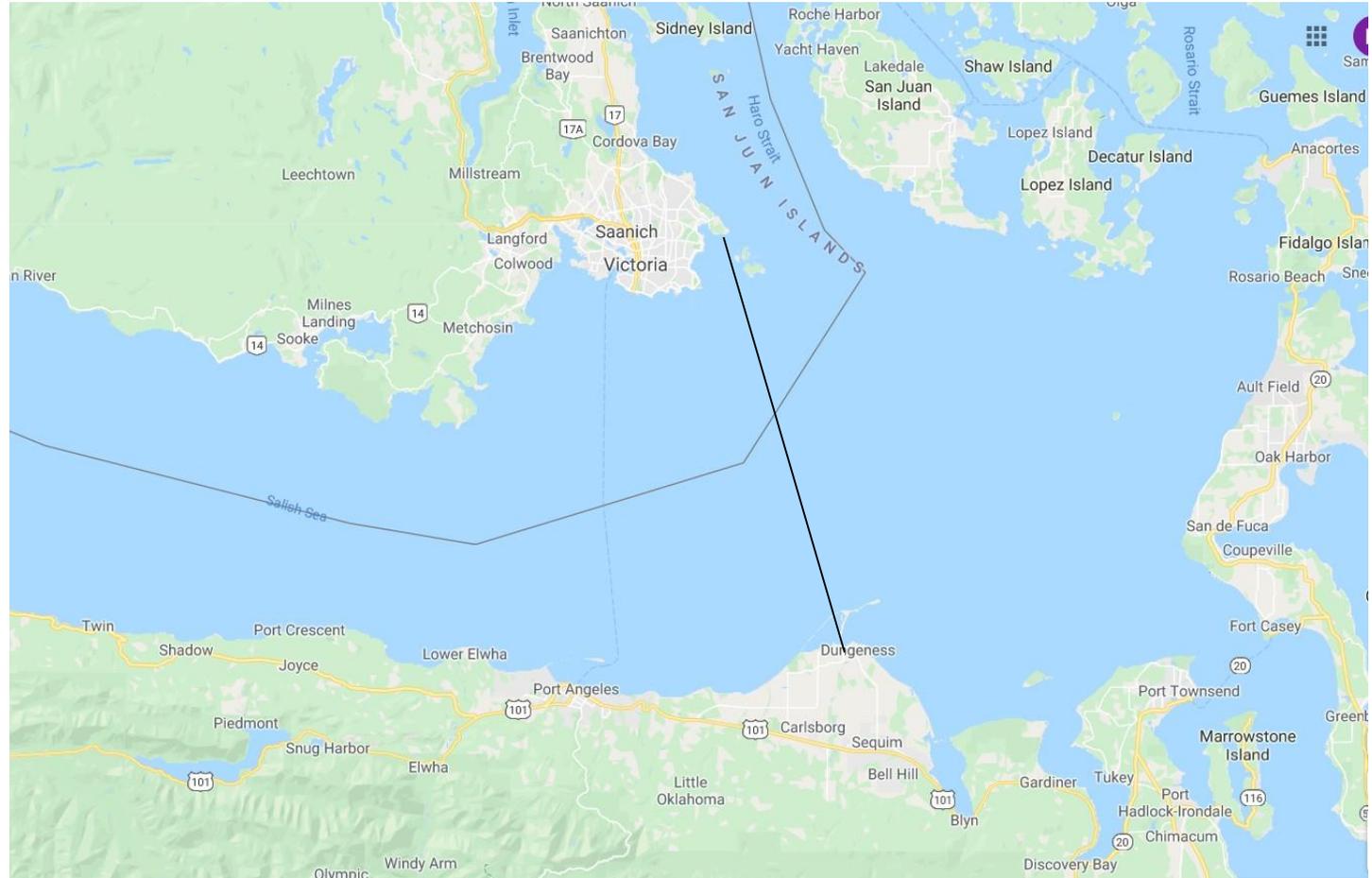
# Using Crossing Lines to Count Transits

- 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



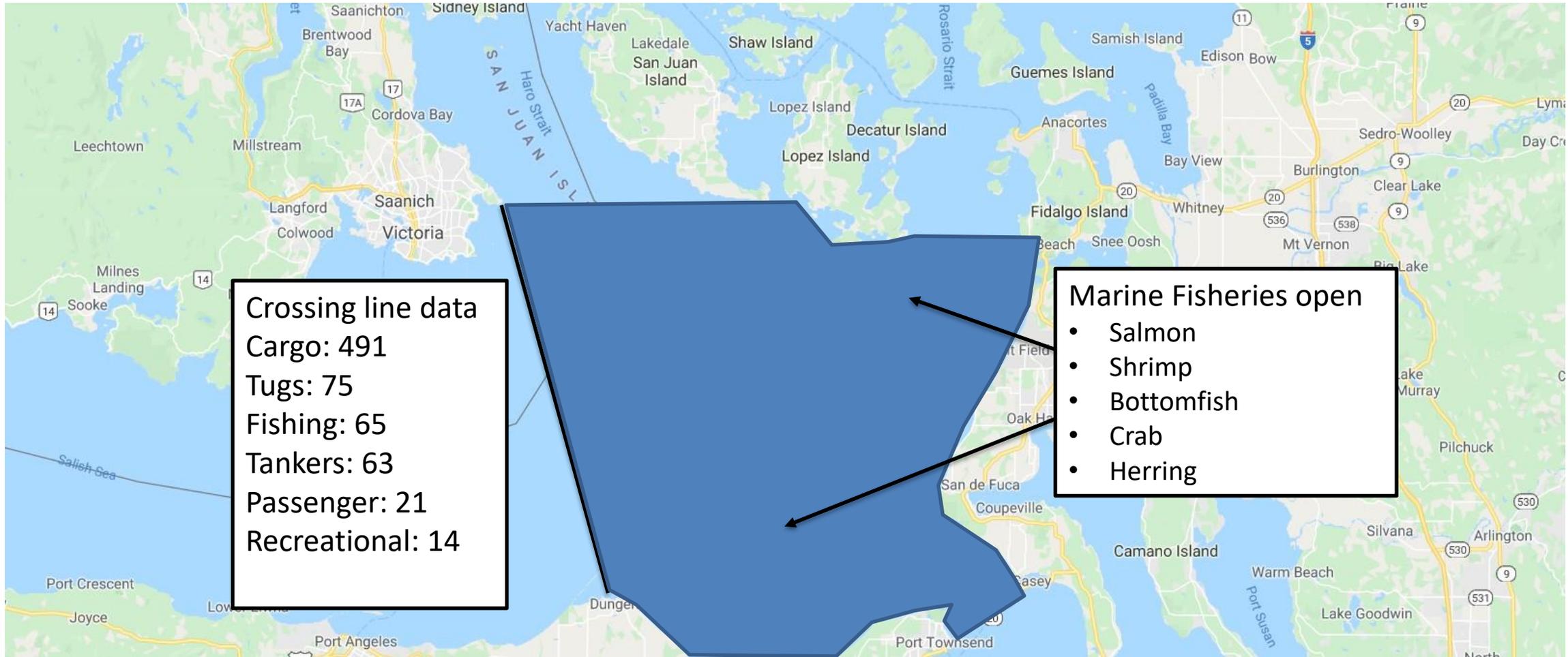
# Layering data example

## Summer 2019



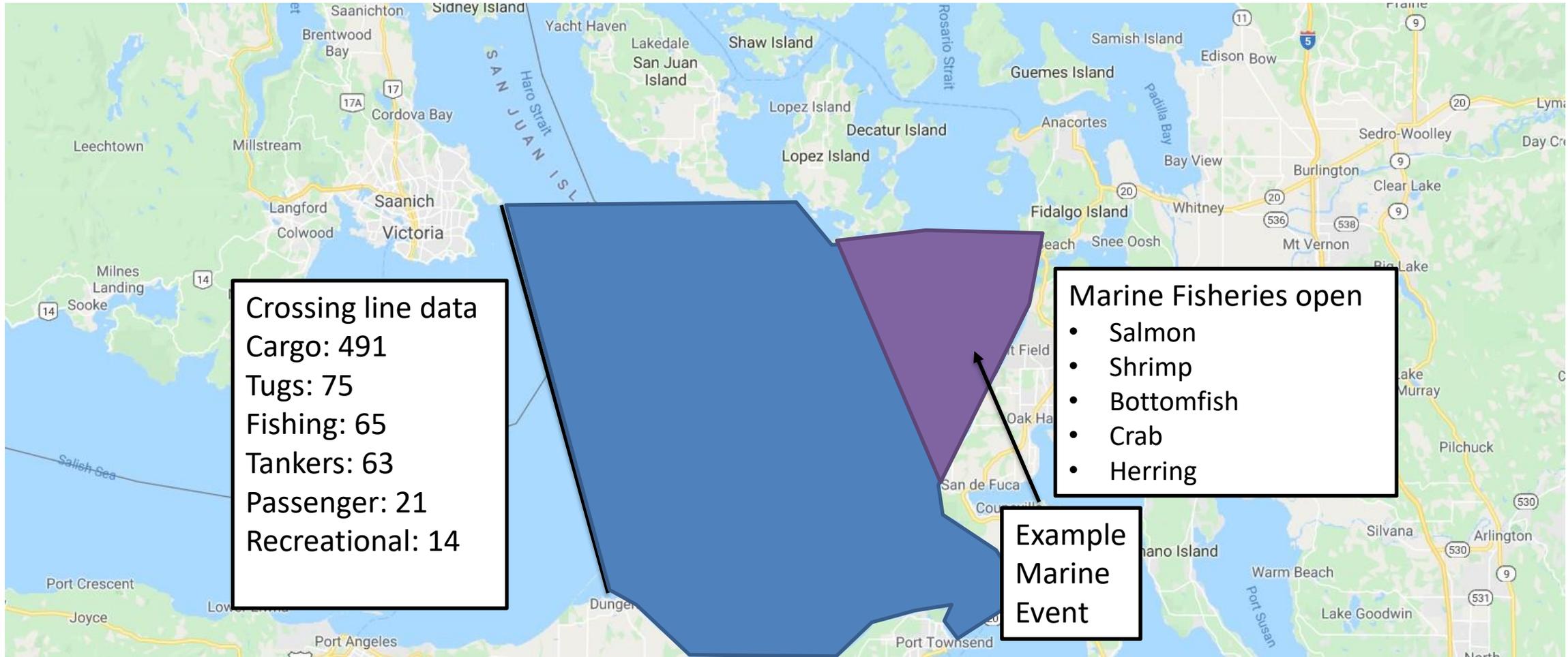
# Layering data example

## Summer 2019

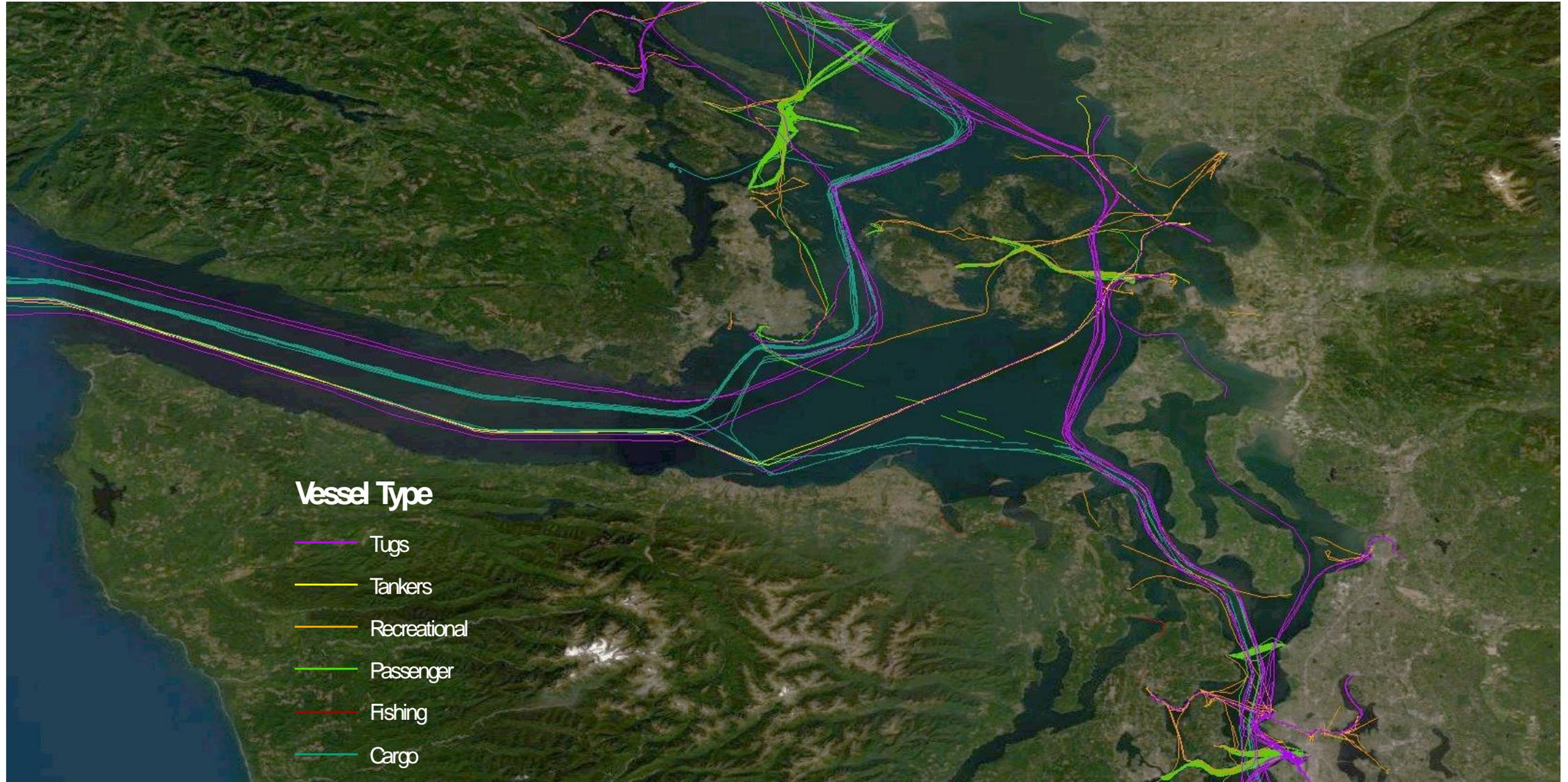


# Layering data example

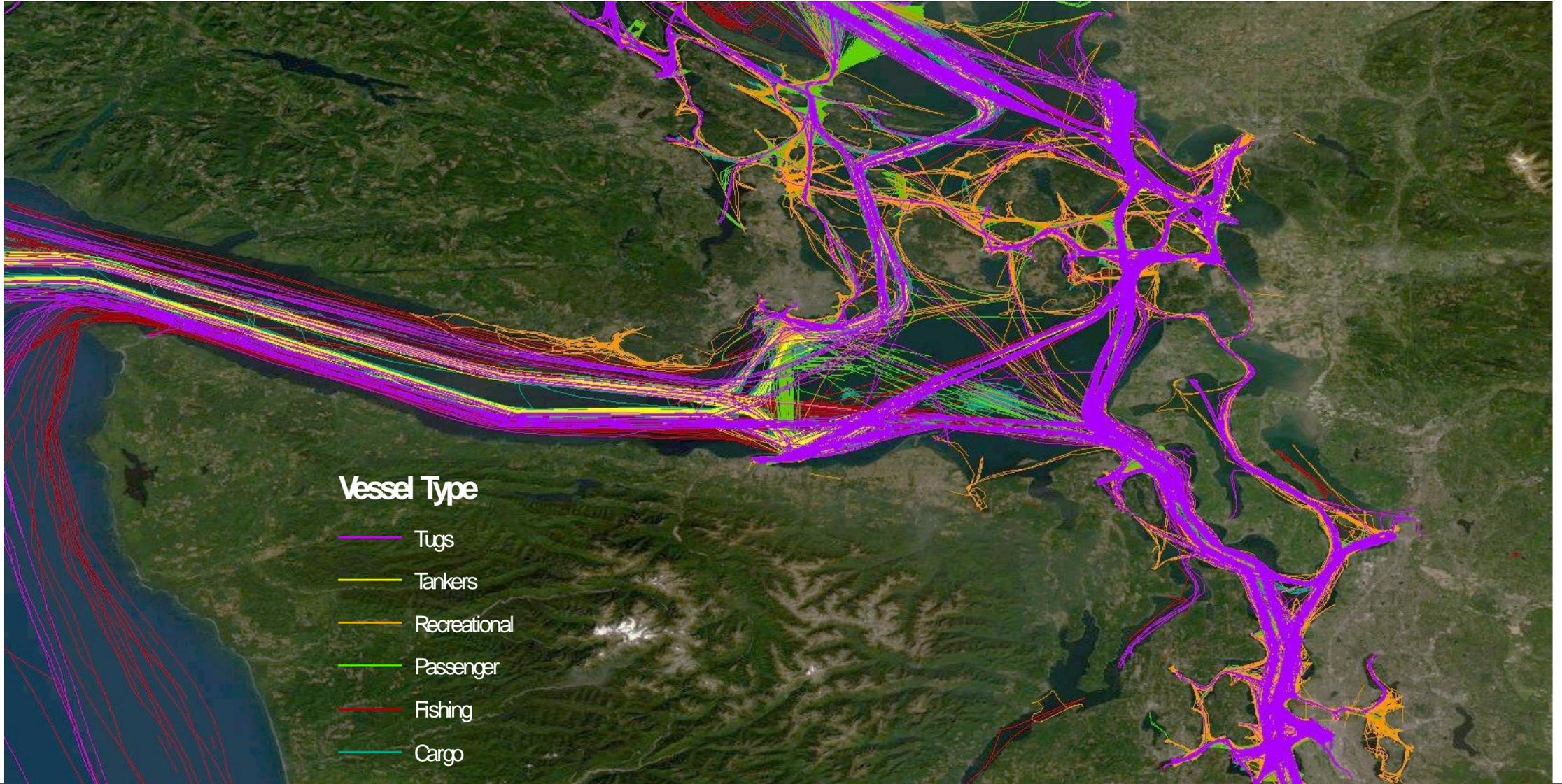
## Summer 2019



# 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](mailto:Rachel.Assink@ecy.wa.gov) if you want to share any info in the future



Questions?

# Full bill language, ESHB 1109, Section 302

- (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.