

Washington State Ferries 2040 Long Range Plan

Technical Advisory Group

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Meeting objectives

1. Confirm Technical Advisory Group roles
2. Provide background data on WSF existing conditions
3. Evaluate 2040 Plan strengths, weaknesses, opportunities, and threats

Agenda

- Welcome and introductions
- Affirm group roles and responsibilities
- Existing conditions
 - Fleet
 - Terminals
 - Origin and destination data
- SWOT analysis
- Next steps

Technical Advisory Group roles

The role of the Technical Advisory Group is to:

- Help ensure the plan uses the most up to date local, regional, and state data
- Review and provide feedback on draft plan elements
- Represent local perspectives
- Help disseminate plan updates and public involvement opportunities within local jurisdictions
- Collaboratively engage with TAG members
- Assist in building/maintaining support for the plan

Technical Advisory Group roles

The WSF project team will:

- Provide background materials, data, and public input
- Respond to questions and requests quickly and as thoroughly as possible
- Attend TAG meetings to answer questions and inform discussion
- Consider and address TAG input when developing the plan
- Report back to TAG members on how the project team considered and addressed input in the final plan

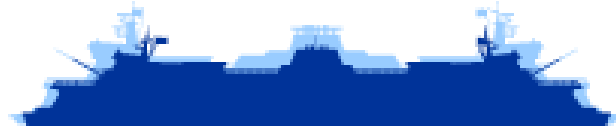
Washington State Ferries fleet

- Largest



Jumbo Mark II

- Large



Jumbo

- Smallest



Kwa-di Tabil

- Medium



Issaquah

- Newest



Olympic

- Old



Super

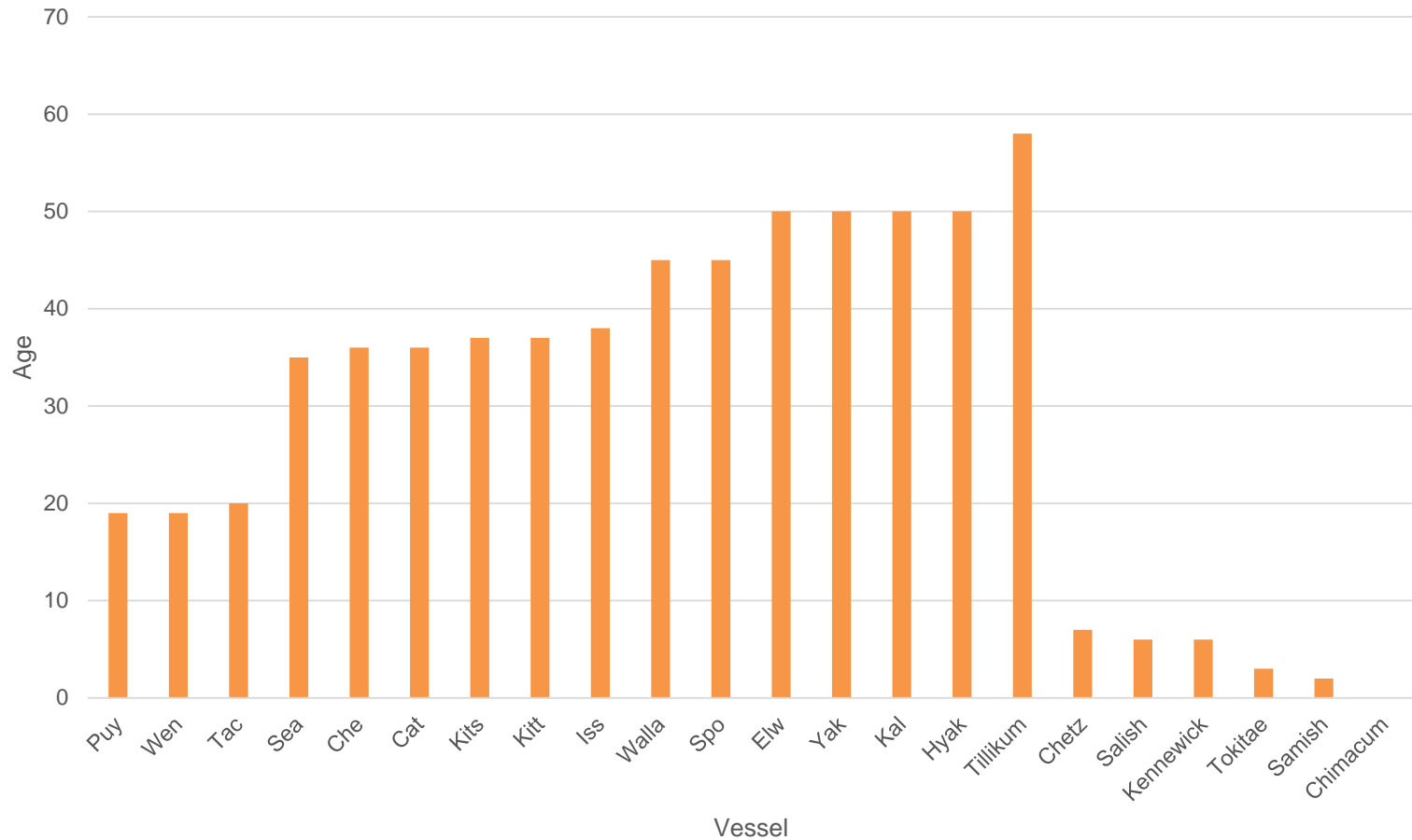
- Oldest



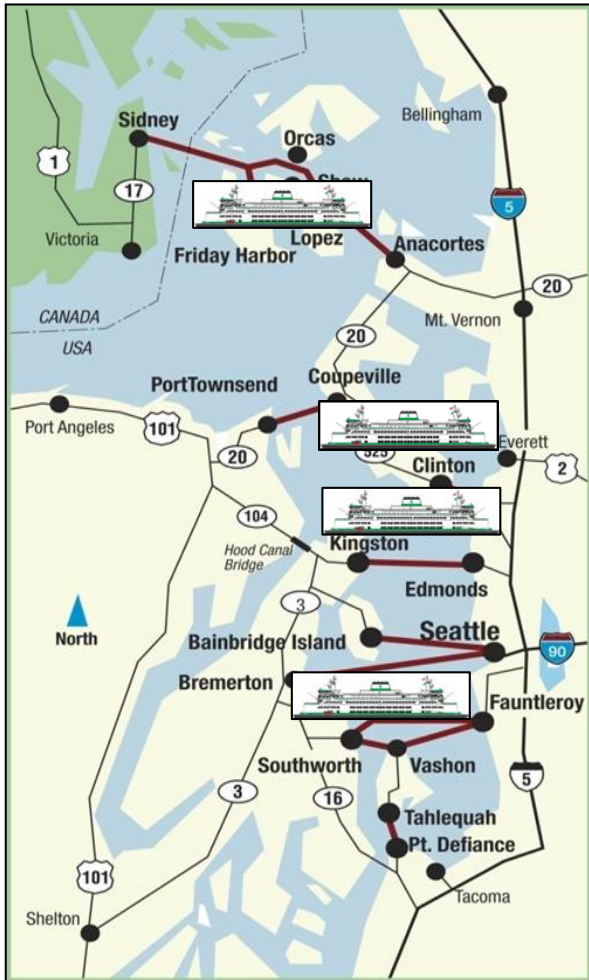
Evergreen State

Aging fleet

Vessel Age (2017)



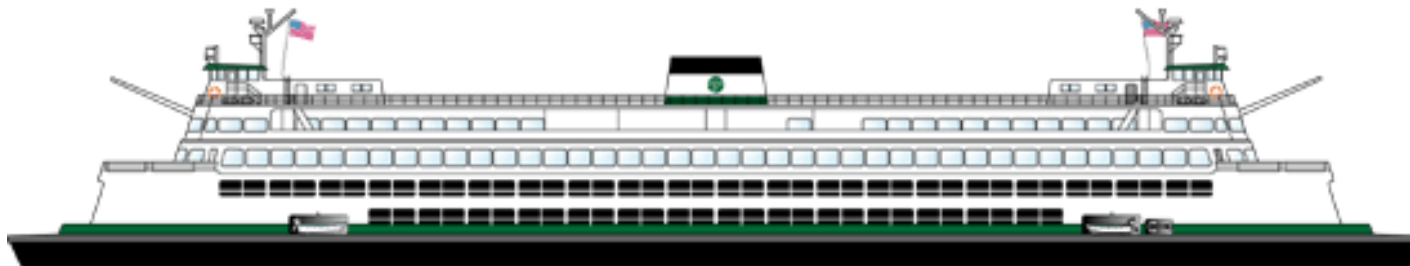
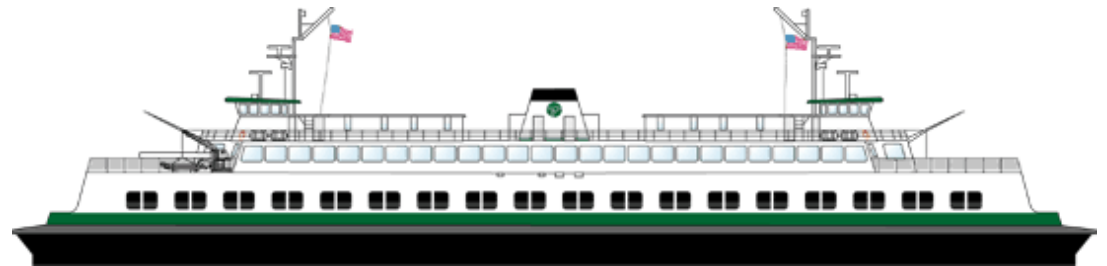
New Olympic Class vessels



- 2014 – *Tokitae*
- 2015 – *Samish*
- 2017 – *Chimacum*
- 2018 – *Suquamish*

Oldest vessels in the fleet

- Super Class, 1967
 - M/V Hyak
 - M/V Kaleetan
 - M/V Yakima
 - M/V Elwha
- Evergreen State Class
 - M/V Tillikum, 1959



Terminals



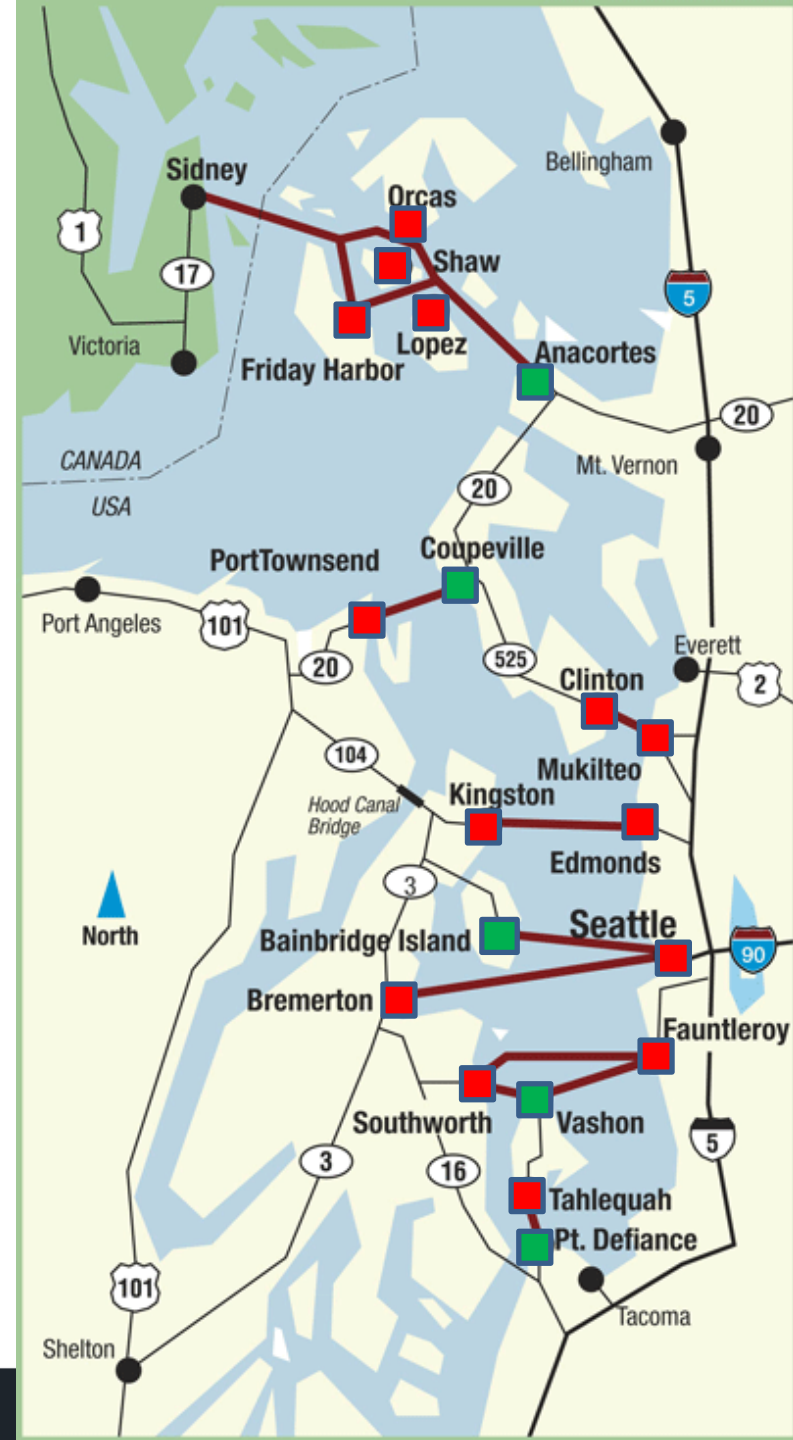
2017 Terminal operations: 100 year seismic event



Terminal out of service



Terminal remains open
(May have reduced service)



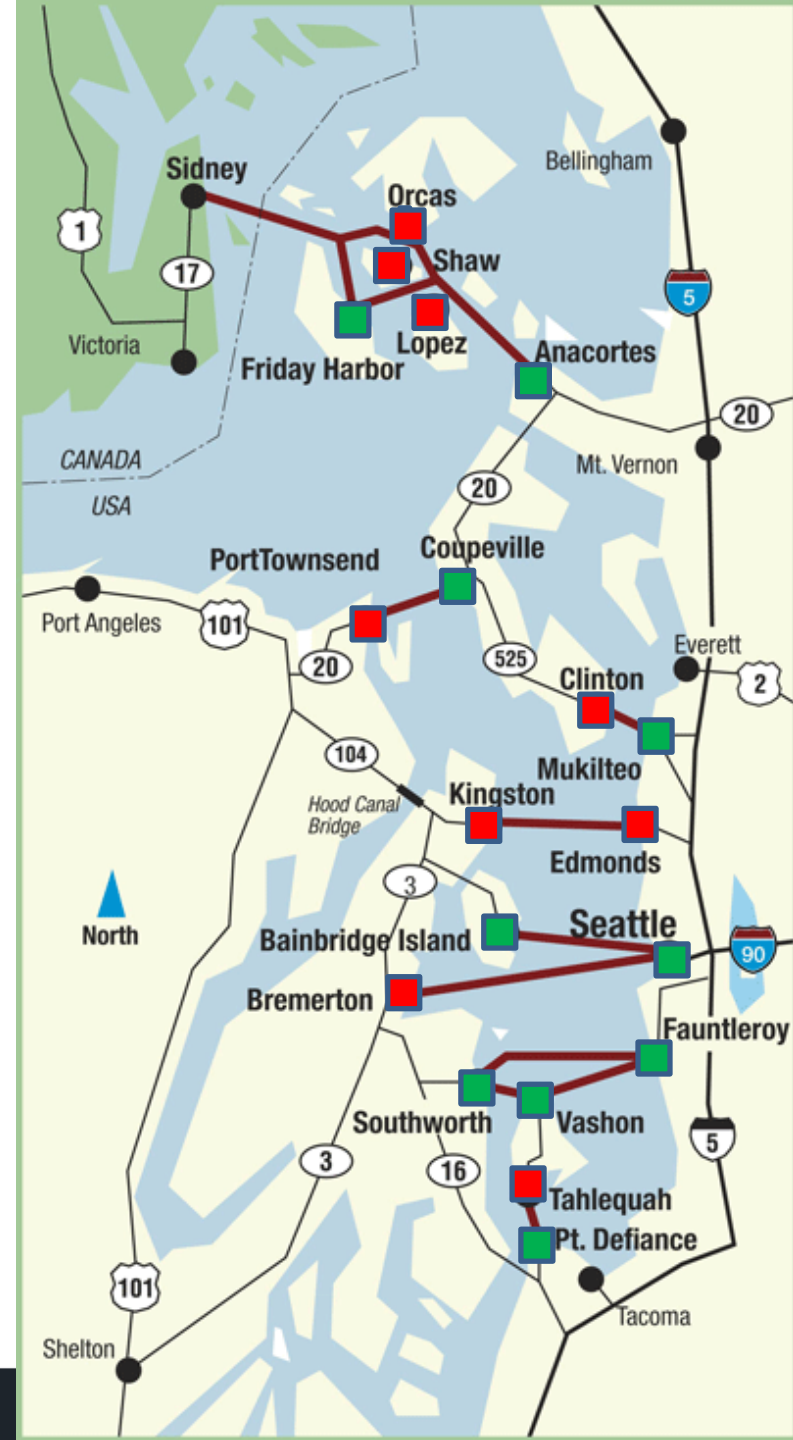
2027 Terminal operations: 100 year seismic event






Terminal out of service

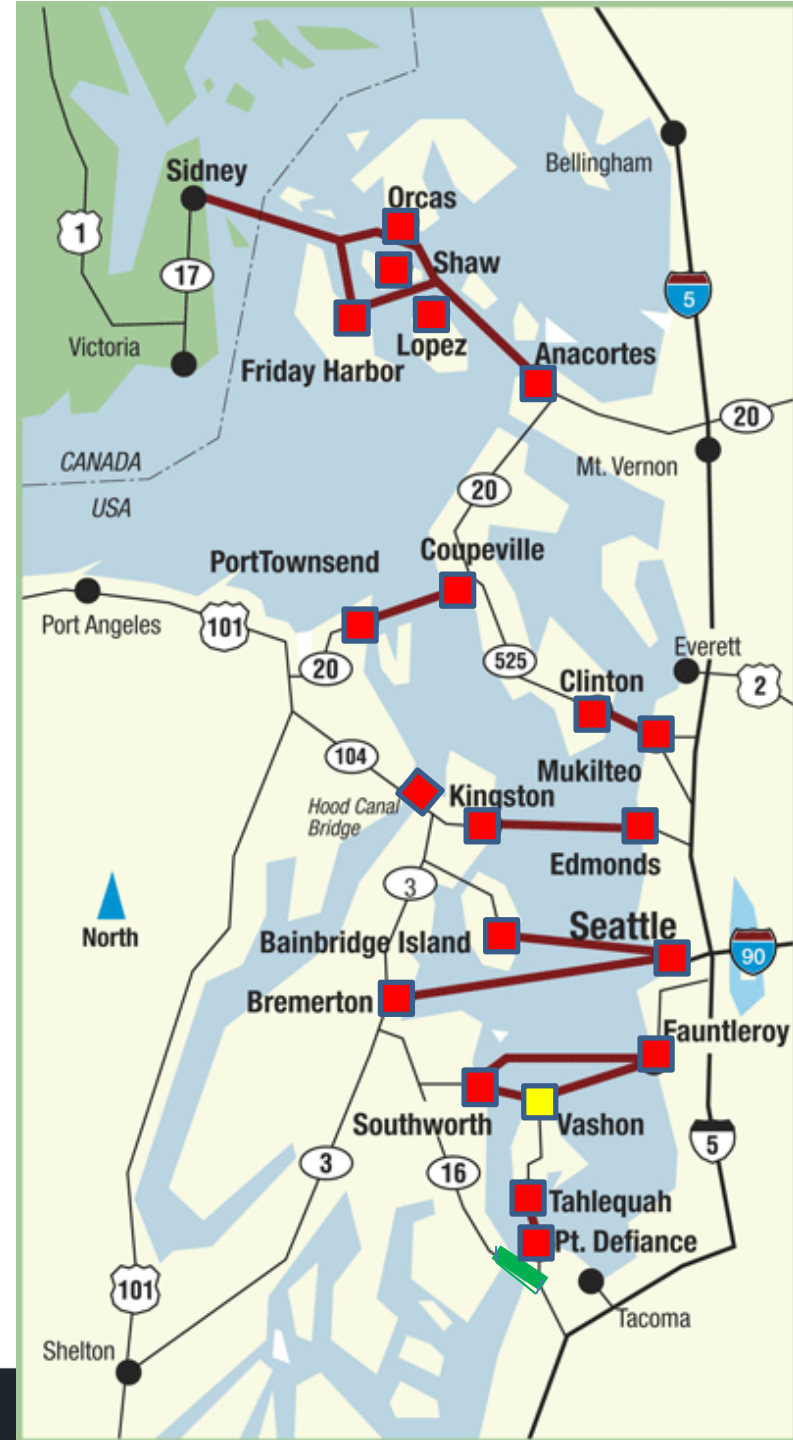


Terminal remains open
(May have reduced service)



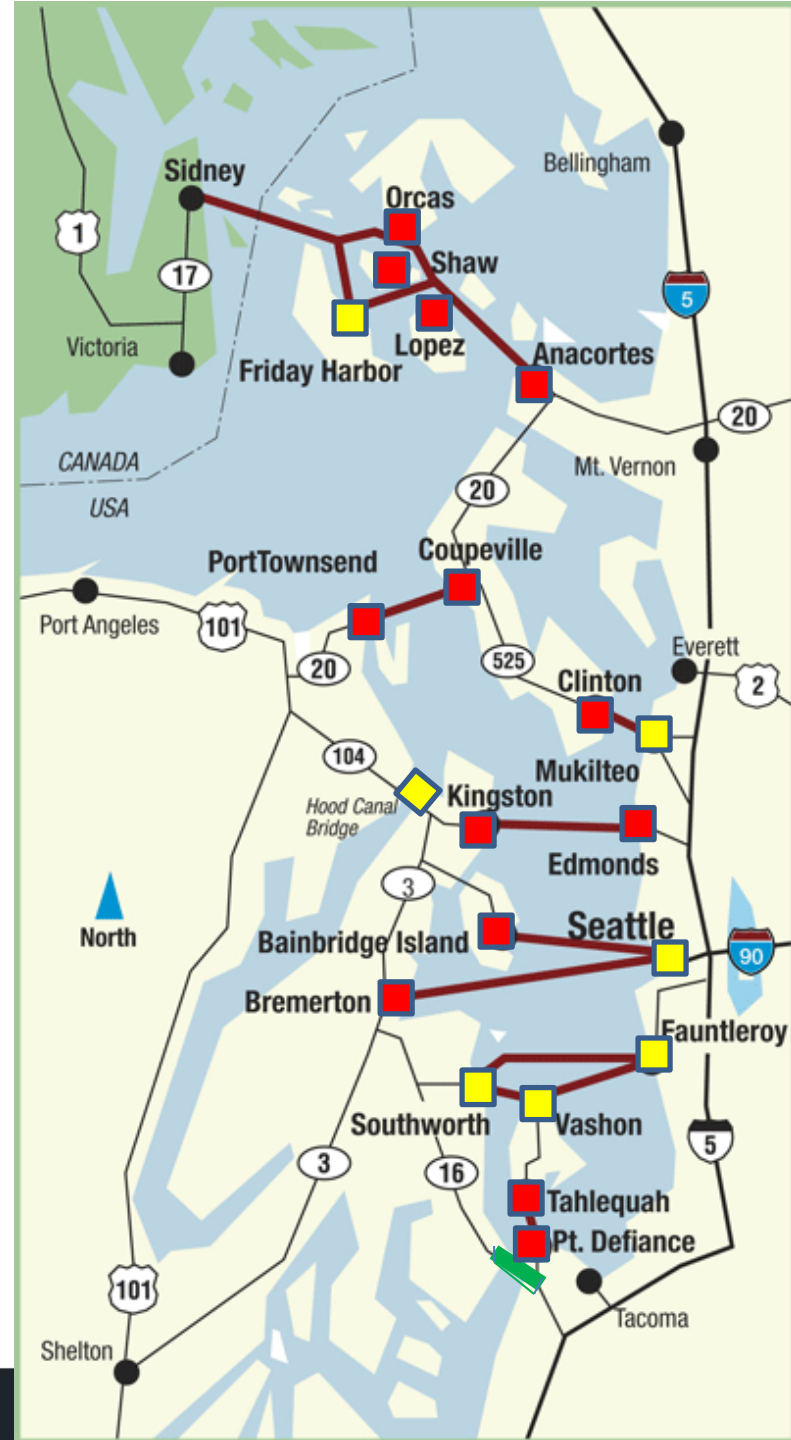
2017 Terminal operations: 1000 year seismic event

-  Terminal out of service
-  Terminal may require repairs
-  Terminal remains open



2027 Terminal operations: 1000 year seismic event

-  Terminal out of service
-  Terminal may require repairs
Life Safety Design Criteria
-  Terminal remains open



Origin-Destination Travel Survey overview (2013)

- WSF conducts survey every 7 years to identify changing trends in ferry user travel patterns
- Topics include:
 - Trip origin and destination locations
 - Travel mode
 - Trip purpose, frequency
 - Demographics
- Paper and electronic format
- 16,000 completed surveys
 - Cost: \$600k

2013 Washington State Ferries Travel Survey

Serial #: _____

**PLEASE HELP US IMPROVE FERRY SERVICE
RETURN COMPLETED FORM TO A SURVEY WORKER
AND YOU COULD WIN 1 OF 5 \$200 PRIZES!**

Every 7 years, Washington State Ferries conducts a survey to understand travel patterns of its riders. **Your participation is very important** because the results will shape the future of ferry service in Washington. Each person who fully completes a survey will be entered in a random drawing for one of five \$200 VISA gift cards. All information will be kept **strictly confidential**. If you prefer, you can complete this survey on-line at: www.wsferry.org (or use your smart phone to scan the QR code above).

HOME Address: (please be specific, ex: 123 Main St)
 OR Intersection if street address is not known: _____ & _____
 To be eligible for the prize drawing, please provide: City: _____ Zip: _____
 Name: _____ Phone number: _____ Email: _____

COMING FROM?	GOING TO?
1. What type of place are you COMING FROM now? (where was the starting point for your previous trip before you got to this ferry? - do not list the terminal where you boarded this ferry) <input type="radio"/> Your WORKPLACE <input type="radio"/> Shopping <input type="radio"/> School (students only) <input type="radio"/> Somewhere else <input type="radio"/> Your HOME address above → Go to Question #4	5. What type of place are you GOING TO now? (where is the final destination for your previous trip after you get off this ferry? - do not list the terminal where you will get off this ferry) <input type="radio"/> Your WORKPLACE <input type="radio"/> Shopping <input type="radio"/> School (students only) <input type="radio"/> Somewhere else <input type="radio"/> Your HOME address above → Go to Question #8
2. What is the NAME of the place you started this trip? _____	6. What is the NAME of your final destination today? _____
3. What is the EXACT STREET ADDRESS of this place? _____ OR Intersection if street address is not known: _____ & _____ City: _____ Zip: _____ Nearest Landmark: _____	7. What is the EXACT STREET ADDRESS of this place? _____ OR Intersection if street address is not known: _____ & _____ City: _____ Zip: _____ Nearest Landmark: _____
4. How did you get from the place in Question #1 to the terminal where you boarded this ferry? CHECK ALL THAT APPLY <input type="checkbox"/> Walked two or more blocks to the ferry terminal <input type="checkbox"/> Bike <input type="checkbox"/> Bus <input type="checkbox"/> Dropped off <input type="checkbox"/> Other ferry <input type="checkbox"/> Train <input type="checkbox"/> Taxi <input type="checkbox"/> Vanpool parked at terminal <input type="checkbox"/> DRIVER of Vehicle / Motorcycle <input type="checkbox"/> PASSENGER of Vehicle / Motorcycle <input type="checkbox"/> Zipcar / car2go <input type="checkbox"/> Other: _____	8. How will you get from this ferry to the place you listed in Question #5? CHECK ALL THAT APPLY <input type="checkbox"/> Walk two or more blocks from the ferry terminal <input type="checkbox"/> Bike <input type="checkbox"/> Bus <input type="checkbox"/> Pick-up <input type="checkbox"/> Other ferry <input type="checkbox"/> Train <input type="checkbox"/> Taxi <input type="checkbox"/> Vanpool parked at terminal <input type="checkbox"/> DRIVER of Vehicle / Motorcycle <input type="checkbox"/> PASSENGER of Vehicle / Motorcycle <input type="checkbox"/> Zipcar / car2go <input type="checkbox"/> Other: _____

Current Trip (answer the following based on your current one-way trip between the places above)

9. NOT counting yourself, how many people are traveling with you?
 None (if you are traveling alone)
 One or more → How many are... Under age 6: _____ age 6-17: _____ 18-64: _____ Over 65: _____

10. What was the scheduled depart time of the ferry you are on right now? Depart Time: _____ : _____ AM PM

11. Is this the sailing you wanted today?
 YES NO, I prefer a different departure time (specify time): _____ : _____ AM PM
 YES, and I had a reservation NO, I prefer a different route (specify route): _____

12. About how many minutes did you wait to board this ferry? Number of minutes: _____

13. Where did you wait to board this ferry?
 in passenger terminal in vehicle holding area On Street Other (specify): _____

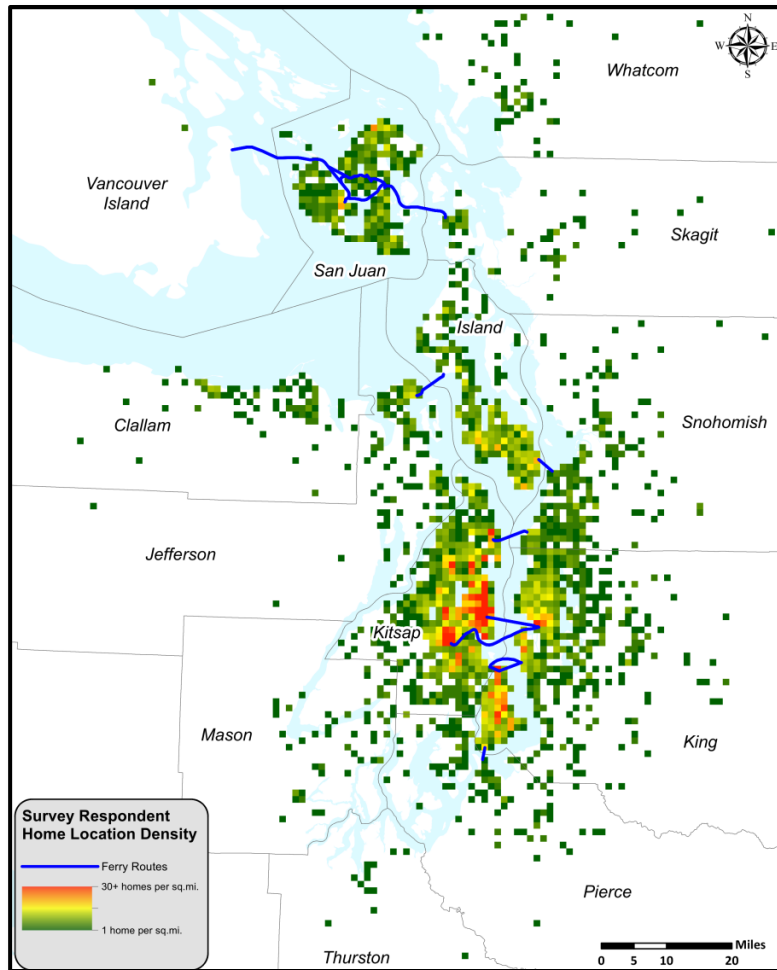
14. What type of FARE did you pay for this one-way trip? (check ONE)
 Free (no fare collected for trip / fare collected in other direction) Vehicle 14-22 feet / driver full fare
 Passenger full fare Vehicle 14-22 feet / driver discounted multi-ride card
 Passenger with bicycle Vehicle under 14 feet / driver full fare
 Passenger discounted multi-ride card Vehicle under 14 feet / driver discounted multi-ride card
 Passenger with monthly pass Motorcycle / rider Recreational vehicle longer than 22 feet
 Passenger youth fare Trunk longer than 22 feet
 Passenger senior / disabled fare Other (specify): _____

15. If you paid a fare, how did you pay? Cash Credit / Debit ORCA

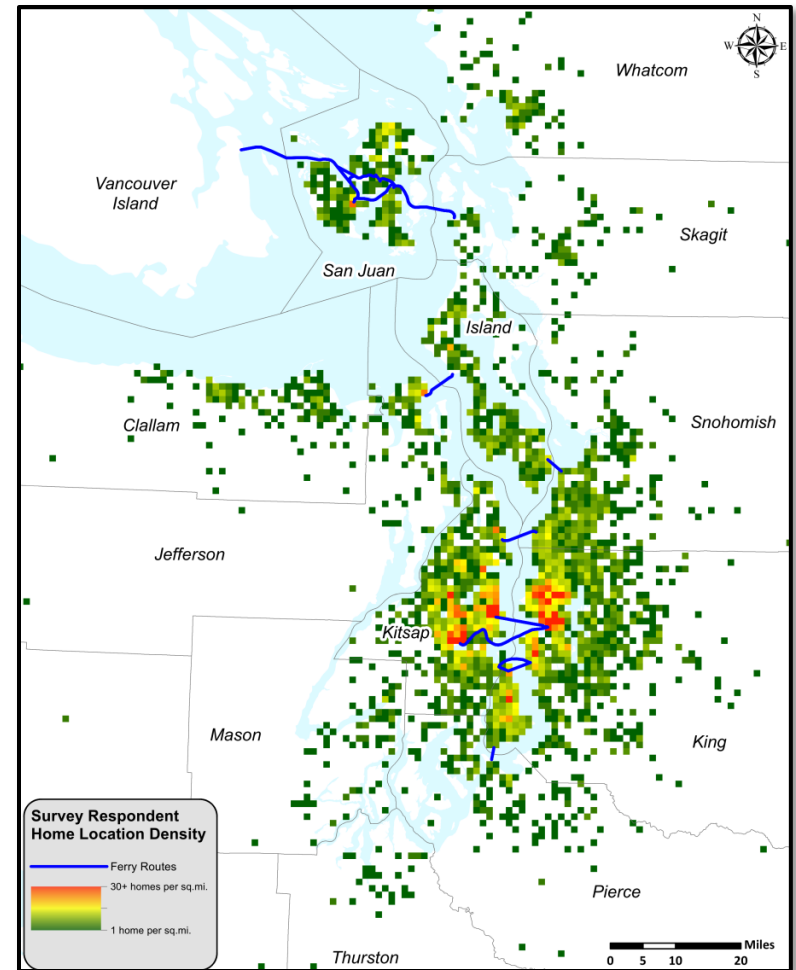
Please complete the questions on the back.

O-D Survey results: Rider home locations

Weekday

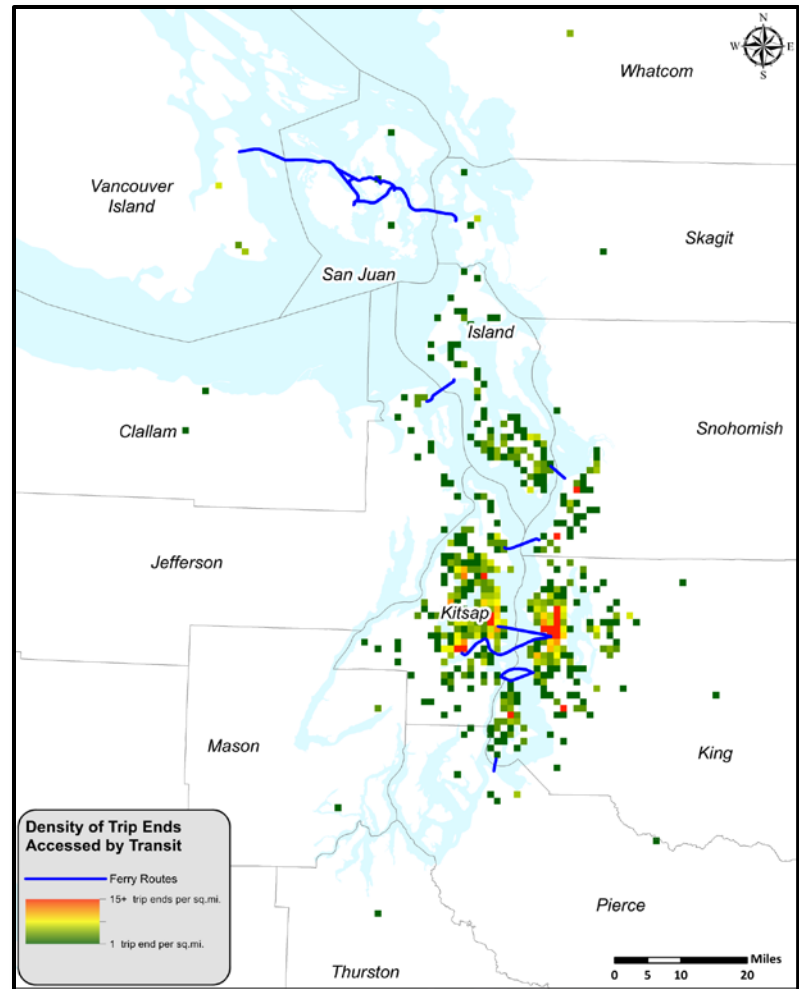


Saturday



O-D Survey results: Transit access to terminals

- Ferry riders connecting by transit account for:
 - **13%** of weekday ridership
 - **4%** of Saturday ridership
- Transit use concentrated close to ferry terminals



O-D Survey results: Non-motorized connections

Walk access to and from terminals:

- 15% of weekday ridership
- 11% of Saturday ridership

Bike access to and from terminals:

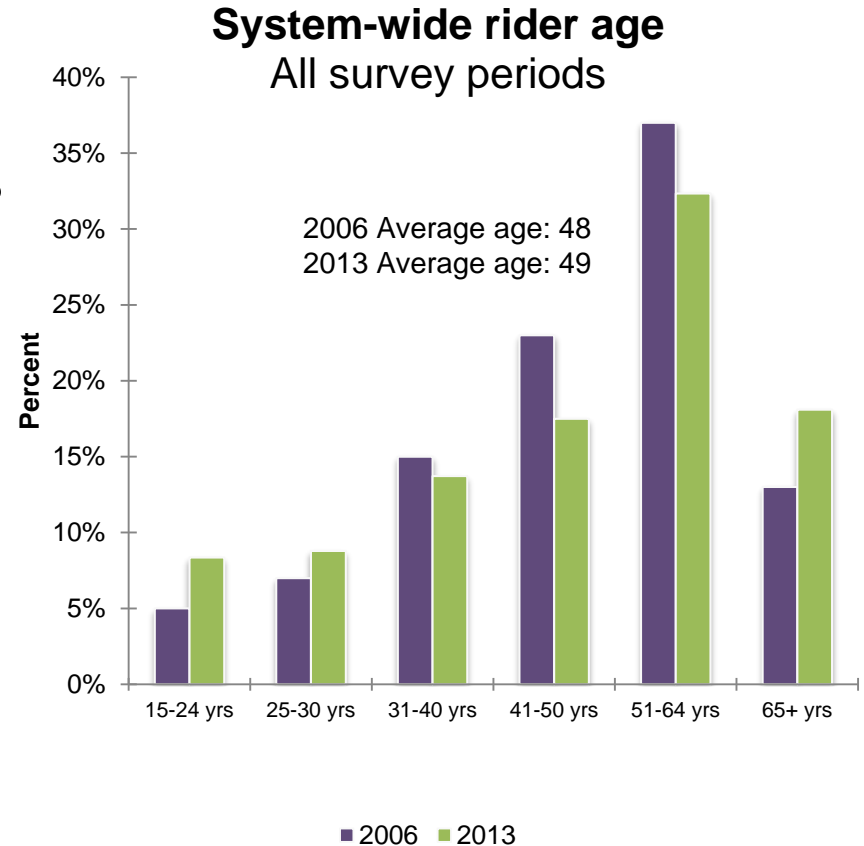
- 3% of weekday ridership
- 1% of Saturday ridership

O-D Survey results: Vehicle boardings that could shift to non-motorized

- Approximately **12%** of survey respondents who boarded by car live within 2 miles of the ferry terminal
- About **15%** of vehicle boardings have a trip origin or destination within 2 miles of the terminal
- **3%** of vehicle trips have both an origin and destination within 2 miles of the terminal

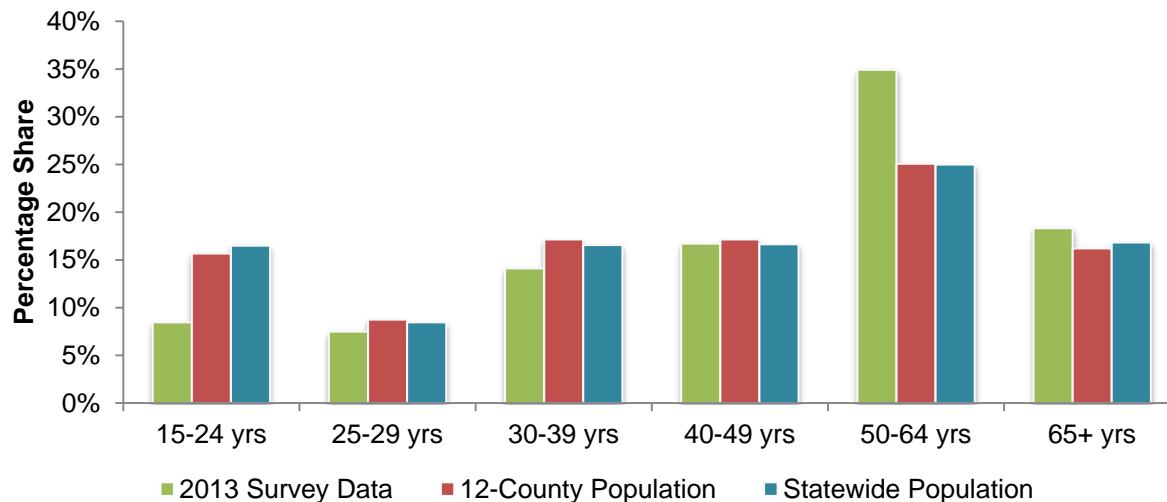
O-D Survey results: Aging population of riders system-wide

- Baby Boomers are shifting into retirement age, while Millennials are emerging as a larger group than Generation X
- **18%** of riders are retired
- Another **14%** not already retired are planning to retire in the next 5 years



O-D Survey results: Aging population of riders system-wide

- Higher percentage of survey respondents in 50 to 64-year range compared to 12-county and statewide populations



Data Source: Washington State Office of Financial Management (OFM)

O-D Survey results: System-wide findings

Population growth and ridership

Year	12-county Population	System-wide Ridership
1999	3.9 million	72,200 per day
2006	4.3 million	65,300 per day
2013	4.6 million	61,700 per day
2016	4.9 million	66,315 per day

Long Range Plan SWOT analysis

- Strengths (Internal)
- Weaknesses (Internal)
- Opportunities (External)
- Threats (External)

Look ahead

- WSF finalizes plan scope and hires consultant
- Next TAG meeting: November