

# Triangle Task Force

Washington State Ferries

June 21, 2018

# University of Washington study

# Schedule concepts

# Outreach Timeline

- **June Triangle Task Force**
  - Afternoon schedule concept review
  - Data of interest for August meeting
- **July Triangle Task Force**
  - Morning schedule concept review
- **August Combined TTF/FAC**
  - Draft complete schedule review
  - Data analysis and comparison
- **October Public Outreach**
  - Input on draft schedule
- **December Update to Summer Schedule**
  - Final schedule

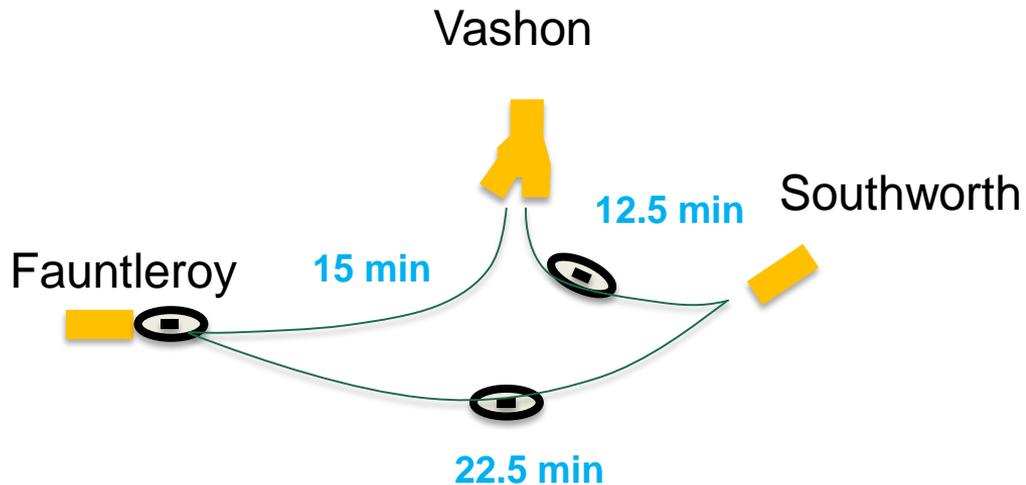
## CALENDAR 2018

JANUARY 2018							FEBRUARY 2018							MARCH 2018						
Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6					1	2	3					1	2	3
7	8	9	10	11	12	13	4	5	6	7	8	9	10	4	5	6	7	8	9	10
14	15	16	17	18	19	20	11	12	13	14	15	16	17	11	12	13	14	15	16	17
21	22	23	24	25	26	27	18	19	20	21	22	23	24	18	19	20	21	22	23	24
28	29	30	31				25	26	27	28				25	26	27	28	29	30	31
APRIL 2018							MAY 2018							JUNE 2018						
Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7	1	2	3	4	5			3	4	5	6	7	8	9
8	9	10	11	12	13	14	6	7	8	9	10	11	12	10	11	12	13	14	15	16
15	16	17	18	19	20	21	13	14	15	16	17	18	19	17	18	19	20	21	22	23
22	23	24	25	26	27	28	20	21	22	23	24	25	26	24	25	26	27	28	29	30
29	30						27	28	29	30	31									
JULY 2018							AUGUST 2018							SEPTEMBER 2018						
Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa
1	2	3	4	5	6	7				1	2	3	4							1
8	9	10	11	12	13	14	5	6	7	8	9	10	11	2	3	4	5	6	7	8
15	16	17	18	19	20	21	12	13	14	15	16	17	18	9	10	11	12	13	14	15
22	23	24	25	26	27	28	19	20	21	22	23	24	25	16	17	18	19	20	21	22
29	30	31					26	27	28	29	30	31		23	24	25	26	27	28	29
OCTOBER 2018							NOVEMBER 2018							DECEMBER 2018						
Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa	Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6					1	2	3							1
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28	29	30	31				25	26	27	28	29	30		23	24	25	26	27	28	29
														30	31					

www.theprintablecalendar.com

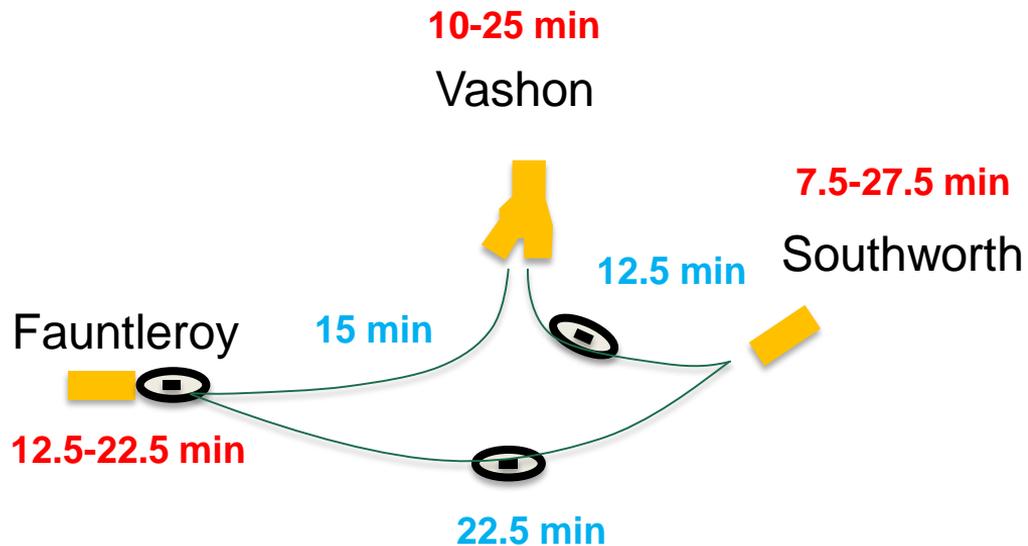
# Route operations

- **Vessels and crossings**
  - Three **vessels**
  - Three **destinations** (four slips)
  - Different **crossing times**



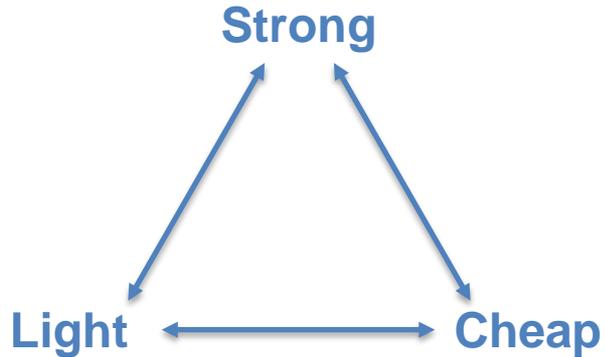
# Route operations

- **Vessels and crossings**
  - Three **vessels**
  - Three **destinations** (four slips)
  - Different **crossing times**
  - Varying **dwelt times**
    - Unloading/loading
    - Destination(s)
    - Traveler mix



# Design Priorities

- Borrowing from engineering:



**PICK 2!**

# Schedule Priorities

- **Frequent**



- **Full**



- **On Time**



# Current Schedule Performance

- **Frequent**



- **Full**



- **On Time**



# Current schedule

	Westbound – Daily				Eastbound – Daily			
	Leave Fautleroy	Arrive Vashon	Leave Vashon	Arrive Southworth	Leave Southworth	Arrive Vashon	Leave Vashon	Arrive Fautleroy
1	1500	1515	1525	1537	1545	-	-	1607
2	1535	-	-	1557	1605	-	-	1627
3	1600	1615	-	-	-	-	1635	1650
4	1620	-	-	1642	1710	1722	1735	1750
5	1645	1700	-	-	-	-	1710	1725
6	1710	1725	1735	1747	1755	-	-	1817
7	1745	1800	1810	1822	1830	1842	1900	1915
8	1805	1820	-	-	-	-	1835	1850
9	1835	1850	1900	1912	1920	1932	1940	1955
10	1905	1920	(1925)	-	-	-	-	-
11	1930	1945	1955	2007	2025	2037	2045	2100
12	2005	2020	-	-	-	-	2030	2045
13	2055	2110	2120	2132	2135	2147	(2150)	-
14	2120	2135	(2145)	-	-	-	-	-

# Proposed Schedule Concept #1 - All Dual Destinations 3-6pm

	Westbound – Daily				Eastbound – Daily			
	Leave Fautleroy	Arrive Vashon	Leave Vashon	Arrive Southworth	Leave Southworth	Arrive Vashon	Leave Vashon	Arrive Fautleroy
1	1500	1515	1525	1537	1550	-	-	1612
2	1530	1545	1555	1607	1620	-	-	1642
3	1600	1615	1625	1637	1650	-	-	1712
4	1635	1650	1700	1712	1725	-	-	1747
5	1705	1720	1730	1742	1755	-	-	1817
6	1735	1750	1800	1812	1825	-	-	1847
7	1810	1825	1835	1847	1900	1912	(1925)	-
8	1840	1855	1905	1917	1930	-	-	1952
9	1910	1925	1935	1947	2000	2012	2020	2035
10	2015	2030	2040	2052	2105	-	-	2127
11	2050	2105	2115	2127	2135	2147	(2050)	-
12								
13								
14								

# Proposed Schedule Concept #2 - Dual Destinations w/ 4:35pm All Stop

	Westbound - Daily				Eastbound - Daily			
	Leave Fautleroy	Arrive Vashon	Leave Vashon	Arrive Southworth	Leave Southworth	Arrive Vashon	Leave Vashon	Arrive Fautleroy
1	1500	1515	1525	1537	1550	-	-	1612
2	1535	1550	1600	1612	1625	-	-	1647
3	1600	1615	1625	1637	1650	-	-	1712
4	1635	1650	1700	1712	1725	1737	1745	1800
5	1710	1725	1735	1747	1800	-	-	1822
6	1735	1750	1800	1812	1825	-	-	1847
7	1815	1830	1840	1852	1900	1912	(1925)	-
8	1845	1900	1910	1922	1935	-	-	1957
9	1910	1925	1935	1947	2000	2012	2020	2035
10	2020	2035	2045	2057	2110	-	-	2132
11	2050	2105	2115	2127	2135	2147	(2050)	-
12								
13								
14								

# Proposed Schedule Concept #3 – Dual Destinations w/ 4:35&6:15pm All Stop

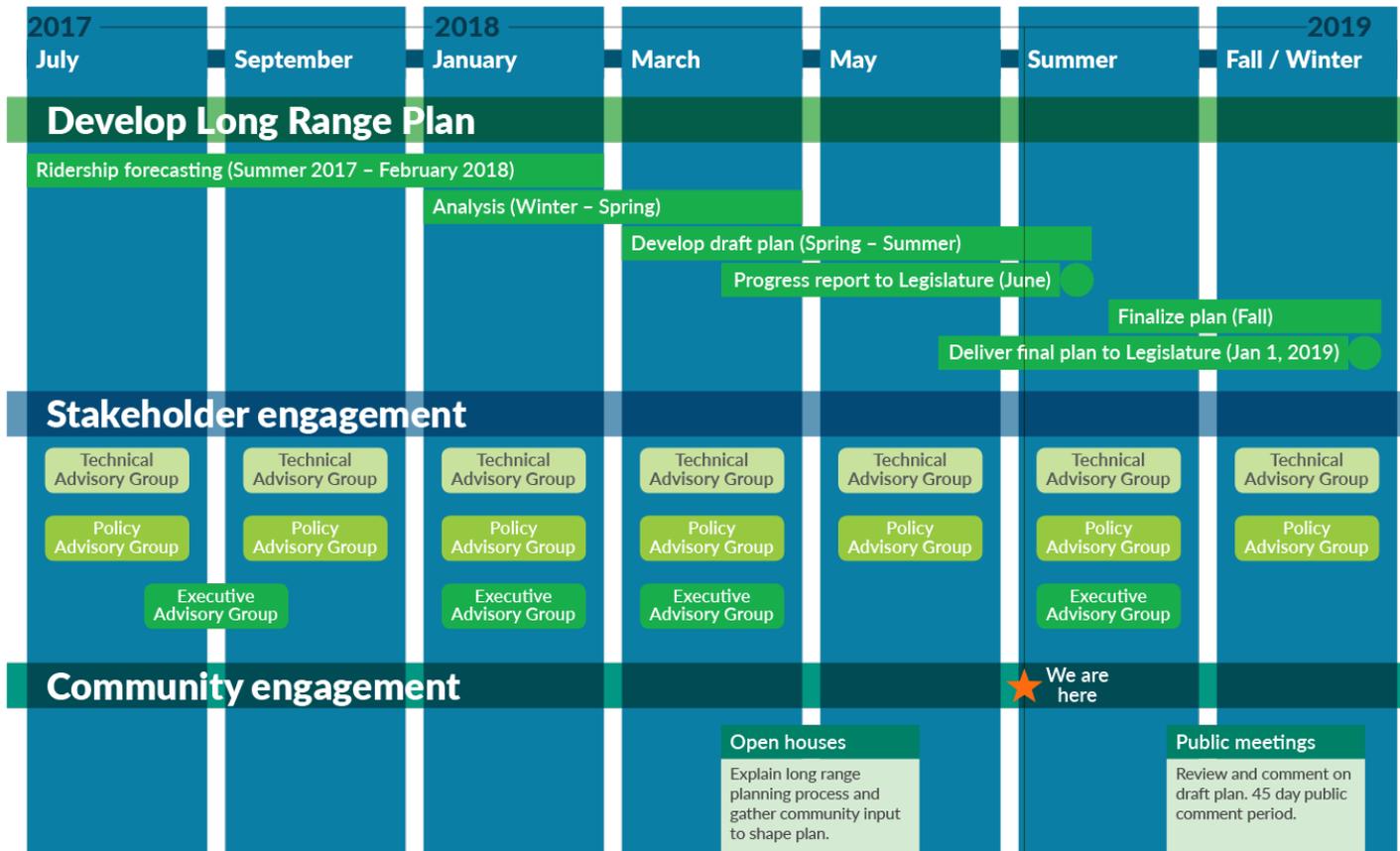
	Westbound – Daily				Eastbound – Daily			
	Leave Fautleroy	Arrive Vashon	Leave Vashon	Arrive Southworth	Leave Southworth	Arrive Vashon	Leave Vashon	Arrive Fautleroy
1	1500	1515	1525	1537	1550	-	-	1612
2	1535	1550	1600	1612	1625	-	-	1647
3	1600	1615	1625	1637	1650	-	-	1712
4	1635	1650	1700	1712	1725	1737	1745	1800
5	1710	1725	1735	1747	1800	-	-	1822
6	1735	1750	1800	1812	1825	-	-	1847
7	1815	1830	1840	1852	1900	1912	1920	1935
8	1840	1855	1905	1917	1930	-	-	1952
9	1910	1925	1935	1947	2000	2012	2020	2035
10	1950	2005	(2010)					
11	2010	-	-	2032	2040	-	-	2102
12	2050	2105	2115	2127	2135	2147	(2050)	-
13								
14								



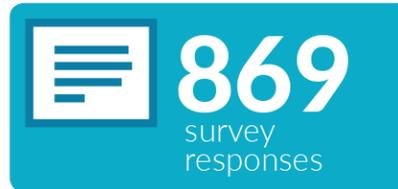
# 2040 Long Range Plan



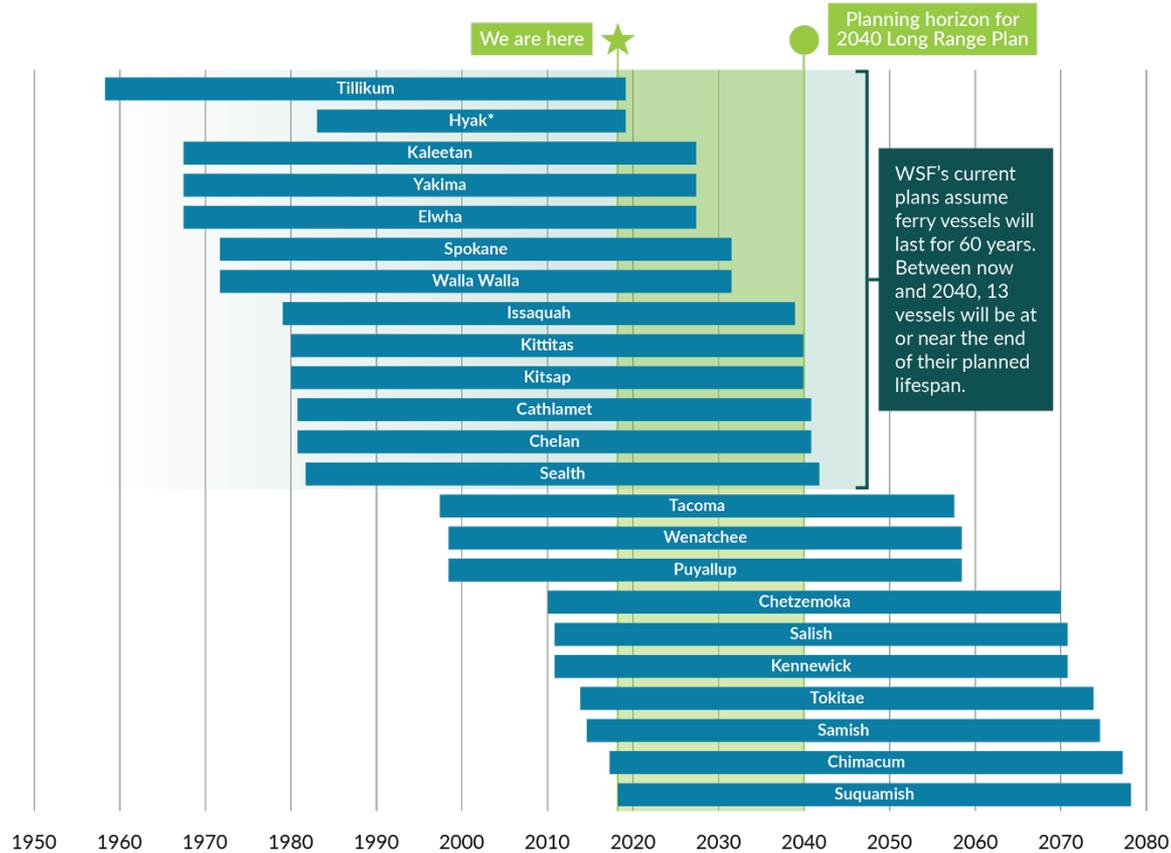
# Timeline



# Community engagement



# Vessel retirement schedule



\*Hyak did not have a mid-life refurbishment. It is scheduled to be retired in 2019.

# Long Range Plan

## Key themes:



## Plan elements:

-  **Ferry fleet**  
A strategy to maintain and replace ferries.
-  **Terminals**  
Actions to preserve and upgrade terminals.
-  **Demand management strategies**  
Strategies to spread peak ridership and improve operational efficiency.
-  **Route analysis and service scenarios**  
A profile of the unique needs and characteristics of each route.
-  **Workforce assessment**  
Opportunities to recruit and retain the workforce needed to keep the system running.
-  **Capital investments and funding**  
Recommendations to guide future investments and outline strategies for funding.

The final plan will outline strategies to implement service changes and investments to support resilient, efficient and sustainable ferry service through 2040.