



Alaska Department of Transportation & Public Facilities

Senate Transportation Committee Alaska Marine Highway System *Service and Routes*

Rob Carpenter, Deputy Commissioner
Captain John Falvey, General Manager AMHS

March 24, 2022

Our mission is to *Keep Alaska Moving* through service and infrastructure.

Vessel Routes - Southeast



AMHS Ports – Southeast

Updated 6/21/17

NOTE: X means vessel is able to load at this dock

	Angoon	Anake Bay	Anake Bay CITGOV	Bellingham	Gustavus	Haines	Hollis	Hoonah	Kake	Ketchikan Berth 1-Main	Ketchikan Berth 2-South	Ketchikan Berth 3-Stern	Methakotha	Pelican	Petersburg	Prince Rupert	Sitka	Skagway	Tenakee	Wrangell	
AURORA	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
COLUMBIA		X		X	X*	X				X	X				X		X	X	X		X
HUBBARD		X		X*	X	X		X	X*						X*		X*	X	X	X*	
KENNICOTT		X		X	X**	X				X	X				X	X	X	X			X
LECONTE	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LITUYA	X*	X*		X*	X*	X*	X	X*	X*	X	X	X	X	X*	X*		X*	X*			X*
MATANUSKA		X		X	X	X		X	X	X	X				X	X	X	X			X
TAZLINA		X*		X*	X	X	X*	X	X*	X*					X*		X*	X	X		X*
TUSTUMENA			X																		

* Not Tested

**Gustavus: Fair weather and no current due to poor line leads

TUSTUMENA

Vehicle elevator & ramp does not match up with shore side Transfer bridges
Ketchikan Berth 2: Passenger access only



Vessel Routes - Southwest



AMHS Ports - Southwest

AMHS PORT ACCESSIBILITY - SOUTHWEST

Updated 6/21/17

	NOTE: X means vessel is able to dock and load																									
	Akutan City Pier	Akutan Trident Pier	Chignik	Chenega Bay	Cold Bay	Cordova Terminal	Cordova Ocean Dock	Dutch Harbor Berth 3	Dutch Harbor USCG Piers 1&2	False Pass	Homer	King Cove	Kodiak Terminal	Kodiak City Dock	Old Harbor	Ouzinkie	Port Lions	Sand Point	Seldovia	Tatitlek	Valdez Terminal	Valdez City Dock	Valdez Container Pier	Whittier Cruise Ship Pier	Whittier	Yakutat
AURORA				X		X														X	X					X
COLUMBIA						X*															X*					X*
HUBBARD						X*															X*					X*
KENNICOTT			X	X	X	X	X	X		X	X		X	X	X#	X	X	X	X	X	X	X*	X*		X	X
LECONTE				X*		X														X*	X					X
LITUYA						X*															X*					X*
MATANUSKA						X*															X*					X*
TAZLINA						X*															X*					X*
TUSTUMENA	NOTE	NOTE	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	NOTE	X

X* Likely but not tested

X# Fair weather conditions only-Poor fit

TUSTUMENA

Akutan: Vehicle weight restrictions

Whittier: No stern door for access to Terminal. In fair weather can use Cruise Ship Dock w/special placed Yokohama fenders.



Current Fleet Status

Currently in Service

Not in Service

Tustumena

Whittier, Cordova, Valdez, Tatitlek and Chenega Bay in Prince William Sound.

Aurora

Kennicott

Between Ketchikan and Annette Bay.

Columbia

LeConte

Bellingham and the communities of Ketchikan, Wrangell, Petersburg, Kake, Sitka, Juneau, Haines and Skagway.

Matanuska

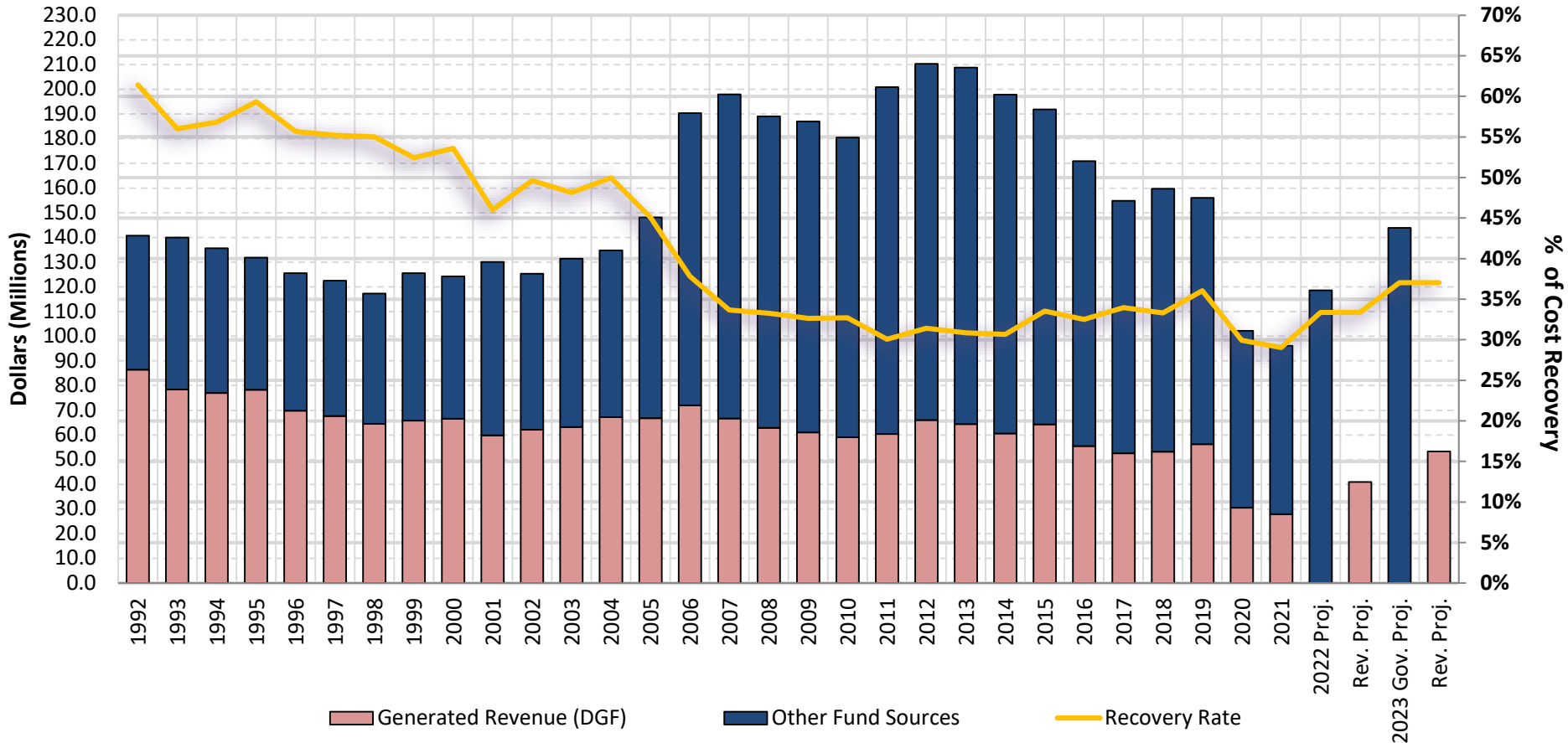
Hubbard

Northern panhandle communities including Angoon, Gustavus, Hoonah, Juneau, Haines, and Skagway.

Tazlina

Historical Revenues and Operating Costs

AMHS Fare Box Recovery Rate 1992-2023 Gov.



Significant Cost Increases

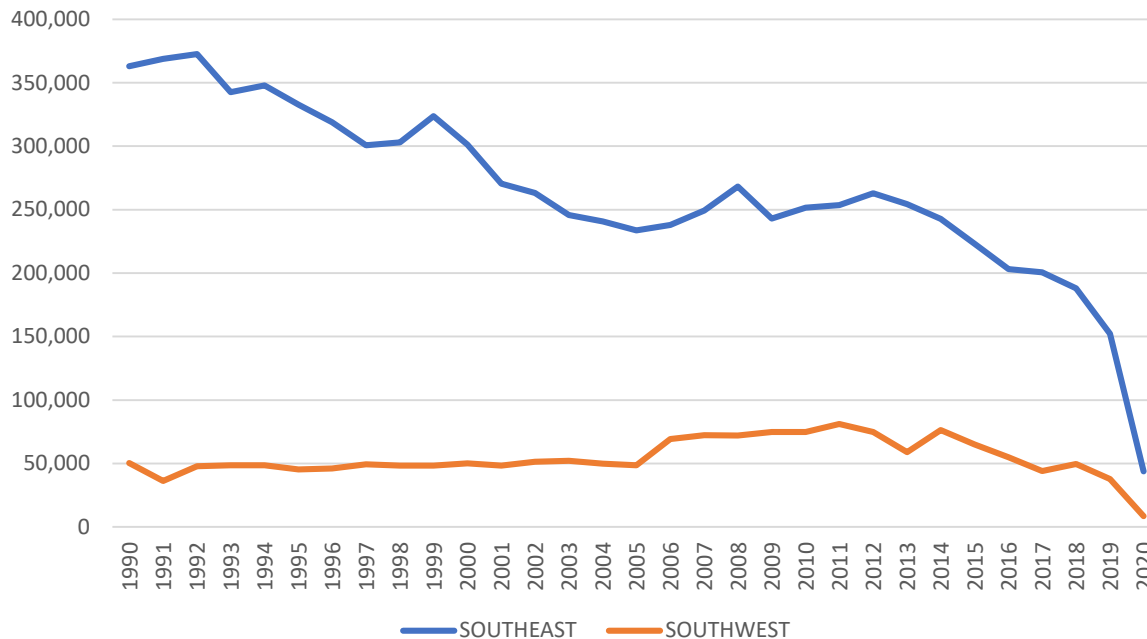
- FY2004 – FY2007: Added the FVF Fairweather and FVF Chenega. Vessel wage increases of 6%, 7%, and 8%.
- FY2012 – FY2013: Added ports and increased operating weeks

Note: Data is adjusted for inflation to 2021 values. Source: U.S. Bureau of Labor Statistics Consumer Price Index.



Statistical Information: Passengers

Passengers by Region



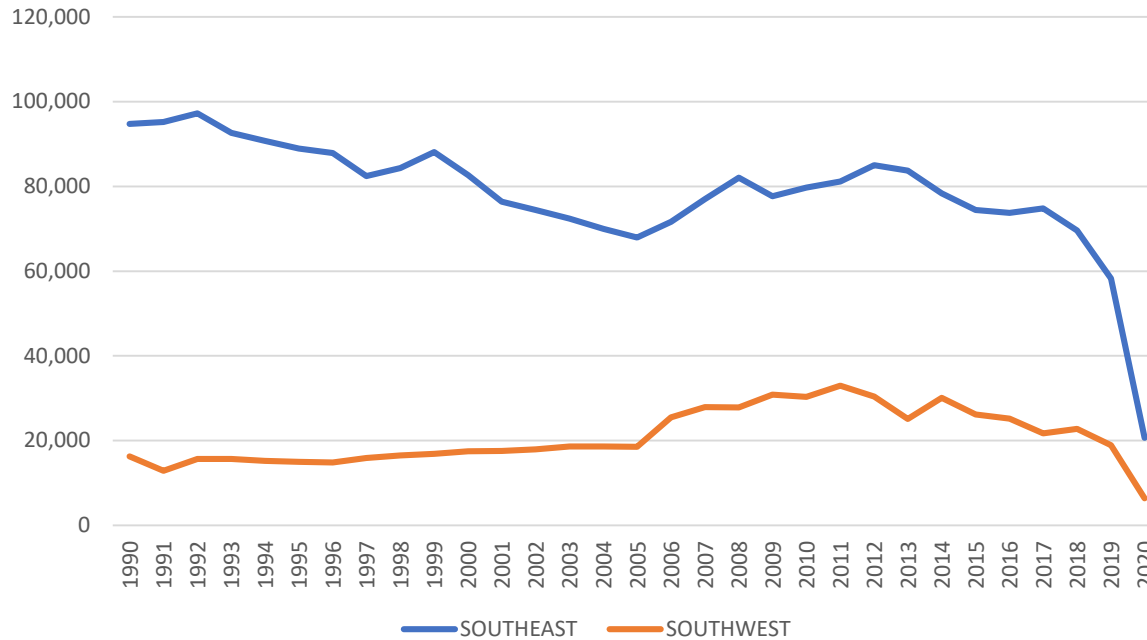
YEAR	SOUTHEAST	SOUTHWEST	TOTAL
1990	363,122	50,271	413,393
1991	368,780	36,248	405,028
1992	372,680	47,756	420,436
1993	342,613	48,678	391,291
1994	347,998	48,545	396,543
1995	332,712	45,373	378,085
1996	318,864	46,053	364,917
1997	300,653	49,450	350,103
1998	303,076	48,337	351,413
1999	323,608	48,437	372,045
2000	301,244	50,216	351,460
2001	270,507	48,384	318,891
2002	263,105	51,304	314,409
2003	245,818	52,147	297,965
2004	240,666	49,959	290,625
2005	233,667	48,569	282,236
2006	237,965	69,255	307,220
2007	249,310	72,299	321,609
2008	268,335	72,077	340,412
2009	242,940	74,951	317,891
2010	251,503	74,810	326,313
2011	253,554	81,224	334,778
2012	262,931	74,843	337,774
2013	254,437	58,874	313,311
2014	242,648	76,356	319,004
2015	223,000	65,133	288,133
2016	203,237	54,805	258,042
2017	200,559	44,189	244,748
2018	188,054	49,555	237,609
2019	152,310	37,808	190,118
2020	43,723	8,473	52,196

Traffic is reported on the calendar year.



Statistical Information: Vehicles

Vehicles by Region



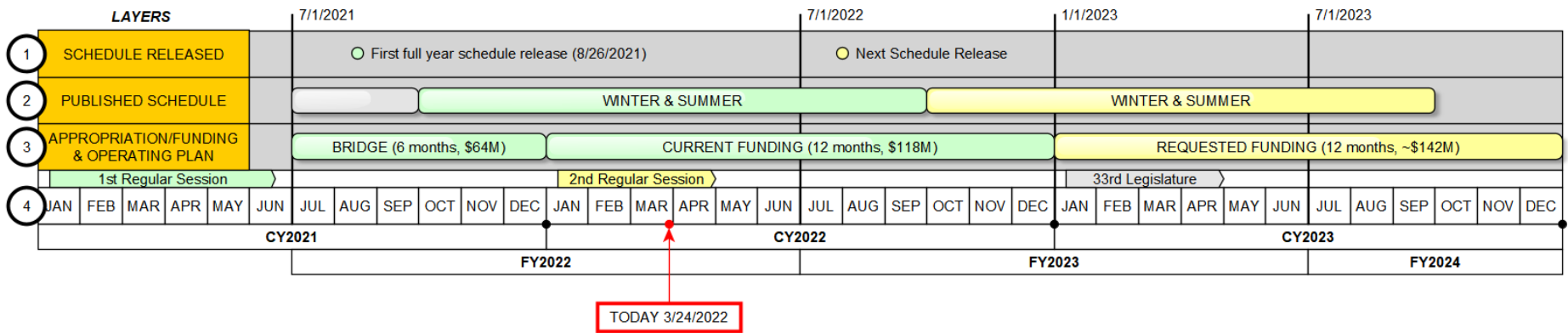
YEAR	SOUTHEAST	SOUTHWEST	TOTAL
1990	94,730	16,310	111,040
1991	95,173	12,860	108,033
1992	97,239	15,656	112,895
1993	92,598	15,696	108,294
1994	90,758	15,245	106,003
1995	88,942	15,031	103,973
1996	87,863	14,809	102,672
1997	82,451	15,878	98,329
1998	84,328	16,490	100,818
1999	88,101	16,921	105,022
2000	82,651	17,484	100,135
2001	76,413	17,533	93,946
2002	74,460	17,943	92,403
2003	72,386	18,586	90,972
2004	69,993	18,620	88,613
2005	67,938	18,580	86,518
2006	71,609	25,461	97,070
2007	77,000	27,913	104,913
2008	82,040	27,799	109,839
2009	77,671	30,870	108,541
2010	79,745	30,330	110,075
2011	81,118	32,982	114,100
2012	85,009	30,439	115,448
2013	83,707	25,090	108,797
2014	78,372	30,106	108,478
2015	74,399	26,148	100,547
2016	73,787	25,182	98,969
2017	74,818	21,708	96,526
2018	69,562	22,787	92,349
2019	58,268	18,935	77,203
2020	20,653	6,353	27,006

Traffic is reported on the calendar year.



Forward Funded Budget Structure

AMHS OPERATIONAL LAYERS



Service Schedule Considerations

- Considerations when drafting a service schedule:
 - Overhaul timing of vessels
 - Historical Ridership (demand)
 - Historical Revenue (gross receipts)
 - Community events (solicited during draft schedule public comment)
 - Time, distance & speed
 - Crew change ports, schedules and work/rest requirements, (STCW) Standards of Training, Certification and Watch keeping
 - Dock configurations
 - SOLAS compliance
 - Tide and current restraints
 - In-port times to account for seasonal loading and unloading times and weather challenges.

Operating Plan 2021-2022

DRAFT		Operating Plan 2021-2022										Revision Number 22.12		
		JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	Operating Weeks
		Implementation of an Operating Plan is dependent upon funding from the legislature and earned revenue.											01/24/2022	
		2021										2022		
KEN	Jul 1, Thu	X-GULF			Oct 15, X-GULF-PWS-SC			Jan 13	O.H.			Apr 21	X-GULF	38.1
					Oct 1, COI									
COL	Jul 01, Thu	Layup			Oct 16, Sat	Layup								0.0
MAT	Jul 1, Thu	BEL-WED			Oct 2, O.H.				Jan 31, BEL-					34.9
MAL	Jul 01, Thu	Long term layup												0.0
AUR	Jul 1, Thu	PWS			Oct 1, Fri	Overhaul		Dec 9, Thu	PWS					42.3
								Jan 17, Overhaul						
LIT	Jul 1, Thu	MET Service							Feb 3, MET Service				Jun 01, FED	45.4
LEC	Jul 1, Thu	NP						Jan 09, OH				Mar 28, Mon	NP	41.0
					Aug 4, break no fins									
TUS	Jul 1, SW			Aug 24, SW				Dec 20, on or about	FED/CIF					21.7
														0.0
HUB	Jul 01, Thu	Layup						Jan 01, Crew Quarters						0.0
TAZ	Thu	Layup							Feb 03, NP		Mar 28	Overhaul	May 23, Layup	7.6
LEGEND														
	On Line	BEL - Bellingham to Skagway Route	PWS-Prince William Sound	SW- Southwest						Mainline Vessels	115.3			
	Overhaul	YPR - Prince Rupert to Skagway Route	ANB - Annette Bay Service	BEL-YPR alt Bellingham Prince Rupert alternating						Feeder Vessels	86.4			
	Layup	BEL-X-Gulf Bellingham Cross Gulf SW	NP - Northern Panhandle						Southwest Vessels	29.3				
Note: Dates represent the first day of the period. Overhaul and refurbishment periods include vessel travel time.										Total Operating Weeks		231.0		



Operating Plan 2022-2023 (DRAFT)

DRAFT		Operating Plan 2022-2023										Revision Number 23.5K	
		03/15/2022										Operating Weeks	
	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	
		Implementation of an Operating Plan is dependent upon funding from the legislature and earned revenue.											
		2022										2023	
KEN	Jul 1, Fri X-GULF			Oct 3, X-Gulf-PWS		Dec 17 O.H.						Mar 30 X-GULF	37.4
COL	**Jul 1, Fri BEL-Fri		Sep 14, Wed Fed/CIP										10.7
		**PENDING CREW											
MAT	Jul 1, Fri BEL			Oct 4, O.H.		Dec 16, BEL-YPR							41.7
MAL	Jul 01,												0.0
TRV	Jul 01, Fri					Dec 15, Thu New Construction							0.0
		Aug 15, Overhaul											
LIT	Jul 01, FED		Sep 1, MET Service										43.3
LEC	Jul 1, Fri NP				Nov 08, Tue Layup			Mar 1, Overhaul		May 1, Mon NP			27.3
TUS	Jul 15, SW							Mar 01, Overhaul		May 01, SW			41.4
AUR	Jul 1, Fri PWS			Oct 01, O.H.		Dec 01, PWS							43.4
HUB	Jul 01, Fri Crew quarters			Oct 01, Overhaul	Nov 08, NP						May 1, LYNN		33.6
TAZ	**Jul 1, Fri LYNN			Oct 01, LU	Nov 1 Crew Quarters								13.1
		*PENDING CREW											
		LEGEND										0	
	BEL - Bellingham to Skagway Route		PWS-Prince William Sound		SW- Southwest								Mainline Vessels 89.8
	YPR - Prince Rupert to Skagway Route		ANB - Annette Bay Service		BEL-YPR alt Bellingham Prince Rupert alternating								Feeder Vessels 104.2
	Overhaul		BEL-X-Gulf Bellingham Cross Gulf SW		NP - Northern Panhandle								Southwest Vessels 97.9
	Layup												Total Operating Weeks 291.9
Note: Dates represent the first day of the period. Overhaul and refurbishment periods include vessel travel time.													



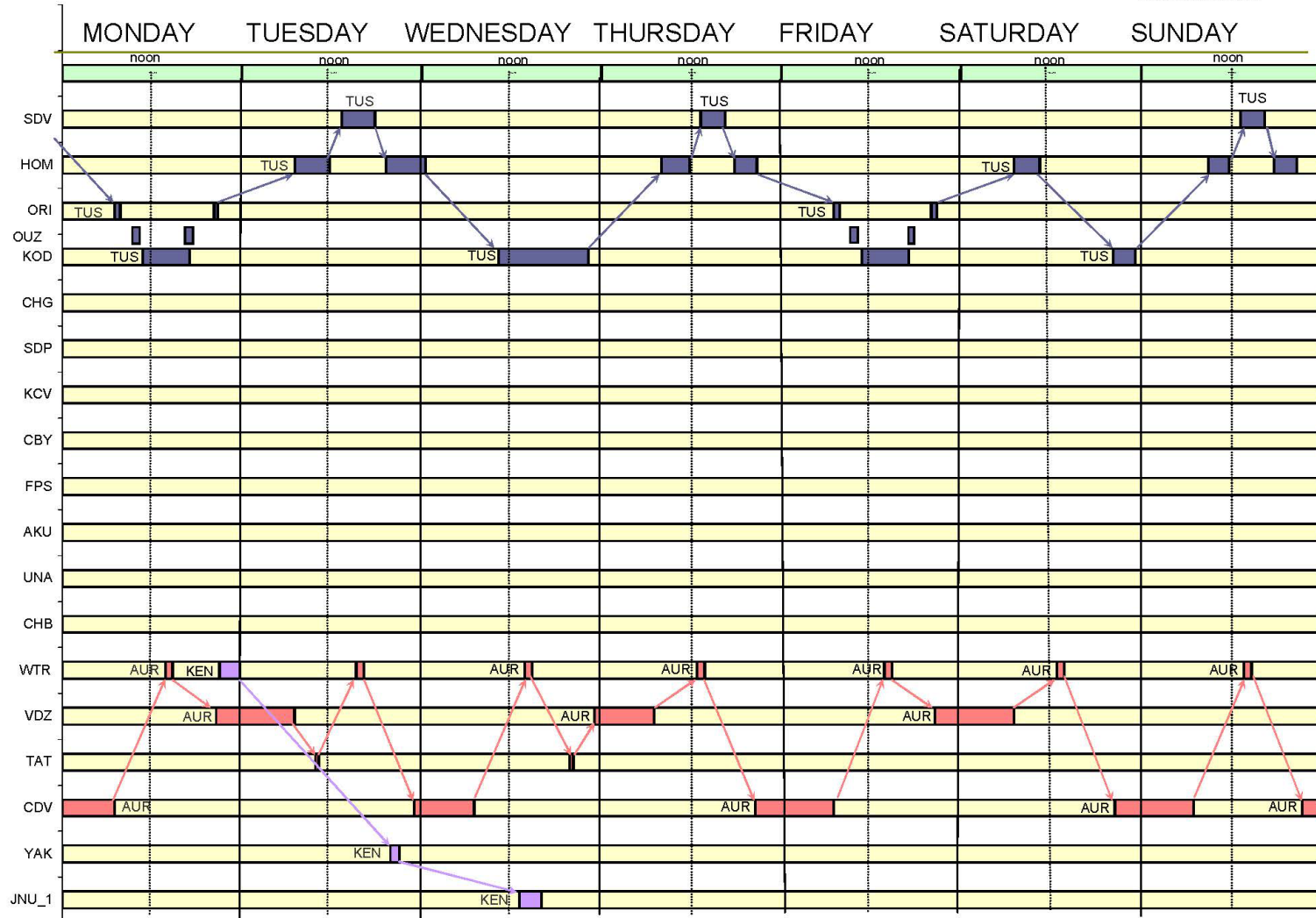
Spider Graph - Example Schedule

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Summer 2022 SW-PWS Wk 1

DRAFT

Revised 07-05-2021



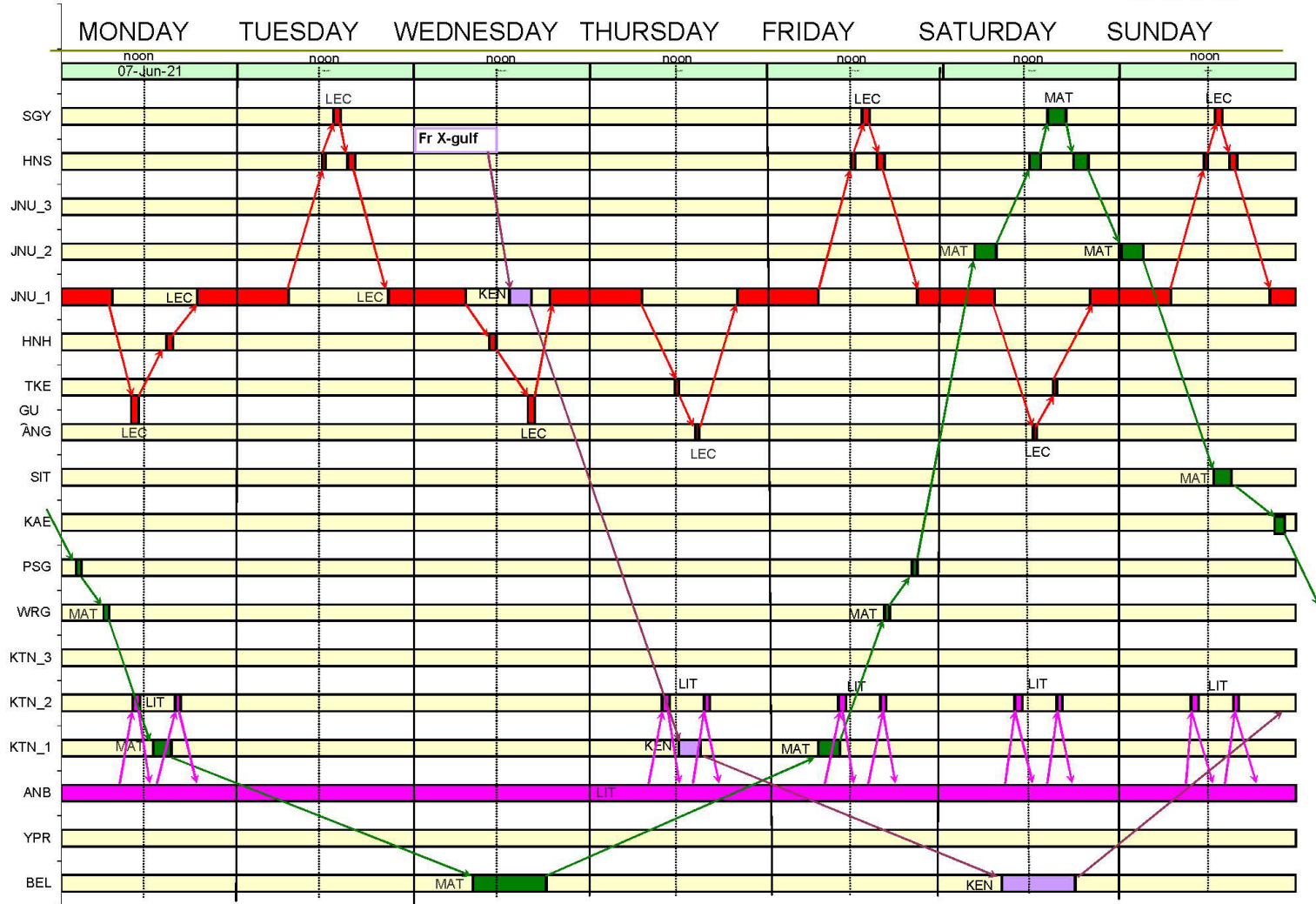
Spider Graph - Example Schedule

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Summer 2022 SE Wk 1

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Revised 08-22-2022



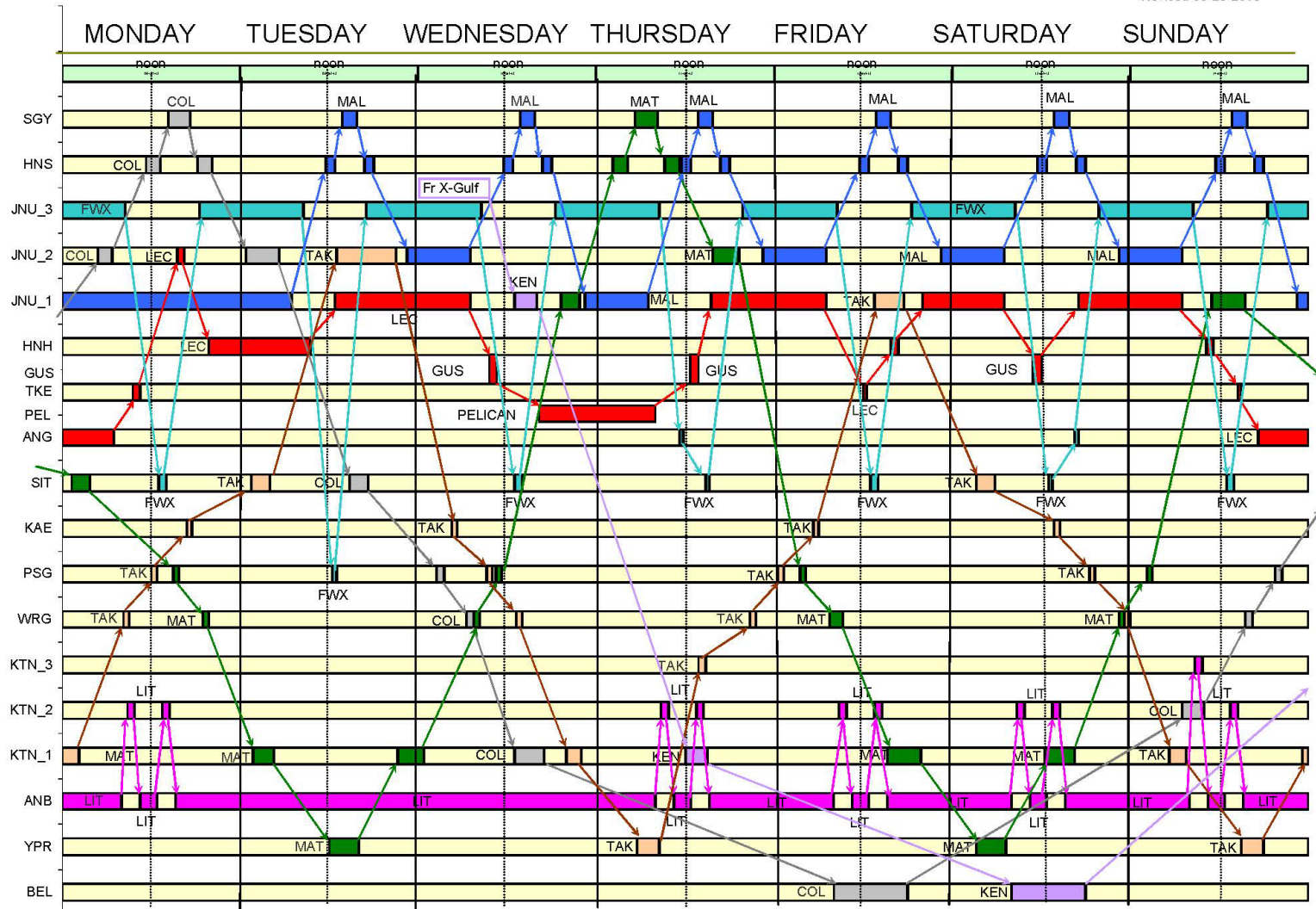
Spider Graph - Complex Schedule

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SE Summer 2014 JUL-mid SEPT Wk 1 & 3

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Revised 08-20-2013



Questions?

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Sunset in Ketchikan, M/V LeConte tied to the dock. Photo by Sarah Roark

