

The following matrix attempts to identify vessels that are well-suited for a given ports demand.

When a vessel cannot fit in a port, the cell is filled with brown.

When a vessel cannot carry atleast 85% of the maximum demand from a port, the cell is filled in blue.

Data below shows the maximum number of passengers/vehicles/vans that departed from each port for the year 2014.  Outliers in the data were corrected by taking the second maximum value , such instances are shown in lavender. For this purpose an outlier is a data point greater than 10 that deviates by more than 20% from the second highest value.		M/D ->		COL	MAT	MAL	TAK	AUR	LEC	TUS	
		Passenger	Vehicle	Van	Mainline	Mainline	Mainline	Mainline	Dayboat	Dayboat	Ocean
S O U T H  E A S T	Angoon	126	27	5	YES	NO	YES	YES	YES	YES	YES
	Auke Bay				YES	YES	YES	YES	YES	YES	YES
	Bellingham	163	81	5	YES	NO	YES	NO	NO	NO	NO
	Gustavus	115	23	5	YES	NO	YES	YES	YES	YES	YES
	Haines	260	73	6	YES	NO	YES	NO	NO	NO	NO
	Hoonah	133	37	6	YES	NO	YES	YES	NO	YES	YES
	Kake	89	16	2	YES	NO	YES	YES	YES	YES	YES
	Ketchikan	221	100	5	YES	NO	NO	NO	NO	NO	NO
	Annette Bay	137	22	0	YES	YES	YES	YES	YES	YES	YES
	Pelican	34	9	0	YES	YES	YES	YES	YES	YES	YES
	Petersburg	133	18	3	YES	NO	YES	YES	YES	YES	YES
	Prince Rupert	100	44	5	YES	NO	YES	YES	NO	NO	NO
	Sitka	200	42	3	YES	NO	YES	YES	NO	NO	NO
	Skagway	185	62	3	YES	NO	YES	NO	NO	NO	NO
	Tenakee	52	4	0	YES	YES	YES	YES	YES	YES	YES
	Wrangell	91	14	2	YES	NO	YES	YES	YES	YES	YES
S O U T H  W E S T	Yakutat	11	9	1	YES	NO	YES	YES	YES	YES	YES
	Chenega	16	8	0	YES	YES	YES	YES	YES	YES	YES
	Cordova	130	39	3	YES	NO	YES	YES	NO	NO	YES
	Homer	159	60	54	NO	NO	NO	NO	NO	NO	NO
	Seldovia	122	36	3	YES	NO	YES	YES	YES	YES	YES
	Tatitlek	9	10	0	YES	YES	YES	YES	YES	YES	YES
	Valdez	164	40	3	YES	NO	YES	YES	NO	NO	YES
	Whittier	157	49	7	YES	NO	YES	YES	NO	NO	NO
	Akutan	44	1	0	YES	YES	YES	YES	YES	YES	YES
	Chignik	40	13	0	YES	YES	YES	YES	YES	YES	YES
	Cold Bay	18	10	0	YES	YES	YES	YES	YES	YES	YES
	False Pass	9	5	3	YES	NO	YES	YES	YES	YES	YES
	King Cove	49	9	1	YES	NO	YES	YES	YES	YES	YES
	Kodiak	167	56	8	YES	NO	YES	YES	NO	NO	NO
	Old Harbor	13	6	0	YES	YES	YES	YES	YES	YES	YES
	Ouzinkie	29	7	0	YES	YES	YES	YES	YES	YES	YES
Port Lions	25	16	0	YES	YES	YES	YES	YES	YES	YES	
Sand Point	53	10	6	YES	NO	YES	YES	NO	YES	YES	
Unalaska (Dutch Harbor)	33	7	2	YES	NO	YES	YES	YES	YES	YES	

LIT	FWX	CHE	KEN	ACF*	TUS REPL	Future Mainliner*
Dayboat	Dayboat	Dayboat	Mainline			
125	210	210	450	300	250	0
0	0	0	320			
300	620	620	1560	0	0	0
15	31	31	78	53	54	0
6	2	3	3	17	0	0
NO	NO	NO	NO	YES	NO	NO
YES	YES	YES	YES	YES	YES	YES
NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	YES	NO	NO
NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	YES	NO	NO
YES	YES	YES	YES	YES	NO	NO
NO	NO	NO	NO	NO	NO	NO
NO	YES	YES	YES	YES	YES	NO
YES	YES	YES	YES	YES	YES	NO
NO	NO	YES	YES	YES	NO	NO
NO	NO	NO	NO	YES	NO	NO
NO	NO	NO	YES	YES	NO	NO
NO	NO	NO	YES	YES	NO	NO
YES	YES	YES	YES	YES	YES	NO
YES	YES	YES	YES	YES	NO	NO
YES	YES	YES	YES	YES	NO	NO
YES	YES	YES	YES	YES	NO	NO
NO	NO	NO	YES	YES	NO	NO
NO	NO	NO	NO	YES	NO	NO
YES	YES	YES	YES	YES	YES	NO
YES	YES	YES	YES	YES	YES	NO
YES	YES	YES	YES	YES	YES	NO
YES	YES	YES	YES	YES	YES	NO
YES	NO	YES	YES	YES	NO	NO
YES	YES	YES	YES	YES	NO	NO
NO	NO	NO	NO	YES	NO	NO
YES	YES	YES	YES	YES	YES	NO
YES	YES	YES	YES	YES	YES	NO
YES	YES	YES	YES	YES	YES	NO
YES	NO	NO	NO	YES	NO	NO
YES	YES	YES	YES	YES	NO	NO