



ECHO Program update on seasonal initiatives



Good morning,

More than one month into the ECHO Program's 2022 season, we are pleased to see increasingly strong participation rates in the program's voluntary underwater noise reduction measures.

Tug operators have achieved a perfect 100% participation rate in the voluntary lateral displacement in the Strait of Juan de Fuca, while large commercial ship operators have participated at rates of over 90% in the Haro Strait and Boundary Pass slowdown, and at nearly 80% in the Swiftsure Bank voluntary ship slowdown trial.

We thank all participants for their efforts to achieve such a strong start to the season – particularly as significant numbers of southern resident killer whales have been observed, both visually and acoustically, throughout the area. Many other whales, such as humpbacks and transients, have also been consistently observed in the slowdown areas since June 1.

Below, please find participation rates for each of our voluntary initiatives. Each table breaks down the percentage of participating ship transits, as well as the number of ship transits that participated out of all ship transits, in brackets.

Swiftsure Bank inbound and outbound slowdown trial

Inbound participation rates <i>(Within 1-knot of speed-through-water target speed)</i>			
Ship type	Week 3: June 11 - June 17	Week 4: June 18 - June 24	Cumulative
Inbound Bulk Carrier	75% (21 of 28)	73% (24 of 33)	75%
Inbound Car Carrier	71% (5 of 7)	80% (4 of 5)	73%
Inbound Container	88% (22 of 25)	74% (20 of 27)	83%
Inbound Passenger	79% (11 of 14)	83% (15 of 18)	75%
Inbound Tanker	93% (13 of 14)	80% (8 of 10)	84%
Inbound Other	67% (10 of 15)	75% (9 of 12)	71%
TOTAL			77% (276 of 357)

Outbound participation rates <i>(Within 1-knot of speed-through-water target speed)</i>			
Ship type	Week 3: June 11 - June 17	Week 4: June 18 - June 24	Cumulative
Outbound Bulk Carrier	95% (36 of 38)	84% (27 of 32)	88%
Outbound Car Carrier	67% (4 of 6)	50% (3 of 6)	52%
Outbound Container	87% (20 of 23)	86% (25 of 29)	85%
Outbound Passenger	71% (10 of 14)	79% (11 of 14)	69%
Outbound Tanker	73% (8 of 11)	83% (15 of 18)	80%
Outbound Other	83% (10 of 12)	83% (10 of 12)	80%
TOTAL			81% (293 of 363)

Combined (inbound and outbound) participation rates <i>(Within 1-knot of speed-through-water target speed)</i>			
Ship type	Week 3: June 11 - June 17	Week 4: June 18 - June 24	Cumulative
Combined Bulk Carrier	86% (57 of 66)	78% (51 of 65)	81%
Combined Car Carrier	69% (9 of 13)	64% (7 of 11)	63%
Combined Container	88% (42 of 48)	80% (45 of 56)	84%
Combined Passenger	75% (21 of 28)	81% (26 of 32)	72%
Combined Tanker	84% (21 of 25)	82% (23 of 28)	82%
Combined Other	74% (20 of 27)	79% (19 of 24)	76%
TOTAL			79% (569 of 720)

The combined participation rate in the new inbound and outbound ship slowdown trial at Swiftsure Bank is **79%** – an increase of 2% since our last report on participation. We're very pleased to see participation rates at Swiftsure Bank continue to grow and we thank all ship operators for continuing to slow down to the target speed for their vessel class.

Haro Strait and Boundary Pass slowdown

Pilot-reported participation by ship type			
Ship type	Week 3: June 11 - June 17	Week 4: June 18 - June 24	Cumulative
Bulk Carrier	89% (47 of 53)	96% (53 of 55)	91%
Car Carrier	100% (6 of 6)	100% (5 of 5)	95%
Container	96% (27 of 28)	100% (23 of 23)	95%
Passenger	75% (3 of 4)	100% (3 of 3)	91%
Tanker	100% (8 of 8)	100% (7 of 7)	88%
Other	100% (2 of 2)	67% (2 of 3)	89%
TOTAL			92% (312 of 339)

Since our last newsletter, participation in the Haro Strait and Boundary Pass slowdown has increased from 89% to an overall participation rate of **92%**. Thank you to all of the participating organizations across the marine transportation industry, and the BC Coast Pilots, for helping us achieve this strong start to the season.

Lateral displacement in the Strait of Juan de Fuca

Participation in the Strait of Juan de Fuca lateral displacement has remained exceptionally strong this season, at a perfect **100%**! We extend our sincere thanks to all tug operators for making the effort to move south away from the whales and spend more than half of their time in either the inshore lateral displacement zone or outbound shipping lane.

Whale sighting highlight



*A member of the J-Pod passing by Lime Kiln Lighthouse in Haro Strait on June 28, 2022
Photo: Jeanne Hyde*

Collaborator spotlight: Jeanne Hyde



If you enjoy the stunning shots of southern resident killer whales featured in our newsletters, you can thank Jeanne Hyde – one of the ECHO Program's trusted marine mammal observers and a valued contributor of nature photography. Since 2018, Jeanne has played an instrumental role in the program by watching and listening to whale presence off the coast of San Juan Island, which provides our team with invaluable data about the whereabouts of southern resident killer whales.

Jeanne first began whale watching in 2004, driven by her fascination with the complex social lives of southern resident killer whales. "They are more like us than many realize," Jeanne says, "They are families and friends that share, help, and look out for one other. . . This is what drives me to continue to share my stories, from my eyes and images, of these whales."

Stay tuned for more of Jeanne's photography throughout the season, and join us in thanking her for the important work she does to help support the recovery of southern resident killer whales.

Stay up to date on the ECHO Program

Throughout the season, we will continue to share bi-weekly newsletter updates on participation rates in the ECHO Program's voluntary initiatives, and other relevant news. If you were forwarded this email and would like to subscribe, click [here](#).

If you have any questions about the ECHO Program and its 2022 voluntary initiatives, please email us at echo@portvancouver.com.

Best regards,

The ECHO Program

This message is issued by the Vancouver Fraser Port Authority to keep subscribers up-to-date on events and activities. To stop receiving these emails click "Unsubscribe" below at anytime. Please contact us if you have any questions or concerns.

[Edit your subscription](#) | [Unsubscribe](#)

VANCOUVER FRASER
PORT AUTHORITY
100 The Pointe
999 Canada Place
Vancouver, B.C. V6C 3T4
Telephone: 604.665.9000