Comparison of Juvenile Salmon Catch in Cantrawl 250 and LFS 7742 Mid-Water Trawl Nets

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ABSTRACT

Anderson, E.D., Zubkowski, T.B., and King, J.R. 2019. Comparison of Juvenile Salmon Catch in Cantrawl 250 and LFS 7742 Mid-Water Trawl Nets. Can. Tech. Rep. Fish. Aquat. Sci. 3306: v + 87 p.

In October 2018, a mid-water trawl gear comparison study was completed in the Strait of Georgia on the *FV Sea Crest* using Cantrawl 250 and LFS 7742 nets. Captured juvenile salmon abundance, biomass and size were used as metrics to test for differences in net catchability and selectivity.

After 16 net adjustments tows, the following net protocols were recommended: an adjustable setback of 17 links plus hammer lock at the surface, and 36 links at depth; two floats attached to the headrope at the surface on the wingtips, and no floats at depth; and two chain clumps, one attached to each of lower wingtips on all tows.

In 32 additional tows, abundance, biomass, and fork length of juvenile salmon showed no significant differences when standardized by swept volume.

RÉSUMÉ

Anderson, E.D., Zubkowski, T.B., and King, J.R. 2019. Comparison of Juvenile Salmon Catch in Cantrawl 250 and LFS 7742 Mid-Water Trawl Nets. Can. Tech. Rep. Fish. Aquat. Sci. 3306: v + 87 p.

En octobre 2018, en vue d'établir un protocole pour un chalut pélagique de type LFS 7742, nous avons réalisé une étude comparative avec l'ancien filet de type Cantrawl 250 dans le détroit de Géorgie sur le Sea Crest. Nous avons utilisé l'abondance, la biomasse et la taille des saumons juvéniles capturés pour effectuer cette comparaison.

Des 16 configurations de chalutages investiguées, nos recommandations pour le protocole de chalut pélagique de type LFS 7742 sont: une marge de recul ajustable de 17 maillons ainsi qu'un verrou de marteau à la surface, 36 maillons en profondeur; deux flotteurs attachés à la surface au bout des ailes, aucun flotteur en profondeur; et un groupe de chaînes attaché à chaque bout des ailes inférieures.

Nous recommandons aussi que les données biologiques soient normalisées par le volume balayé. Lors des 32 chalutages additionnels, nous n'avons pas observé de différence significative entre les deux chaluts pélagiques LFS 7742 et Cantrawl 250 en ce qui a trait à l'abondance normalisée, la biomasse normalisée et la longueur des saumons juvéniles.

INTRODUCTION

Fisheries and Oceans Canada has been conducting annual juvenile salmon trawl surveys since 1992. This juvenile salmon catch data allows for quantitative long term trend analysis for salmon populations based on the catch, species, and DNA results (for example see Tucker et al. 2009 & 2012). Fisheries and Oceans is continuing these annual pelagic trawl surveys using an ecosystem-based approach, where all species, including juvenile salmon, are recorded (King et al. In Press).

The Cantrawl 250 mid-water trawl net (Cantrawl Pacific Ltd., Richmond, BC), has been used by Fisheries and Oceans since October 1994. Increasing repair costs to the Cantrawl 250 net led to the purchase of a new mid-water trawl net. A new LFS 7742 mid-water trawl net was purchased in 2017 (LFS Net Systems, Bellingham, USA). The LFS 7742 net was designed to be comparable to the Cantrawl 250 net, except for two main differences. First, the Cantrawl 250 net is a three bridle net made of wire, whereas the LFS 7742 net is a two bridle net made of rope. The two bridle rope design should simplify net deployment and storage. Second, the longer, tapered body of the LFS 7742 net has extra large mesh sections located after the wing tips, to reduce blow out of smaller fish targeted in the research surveys.

During research surveys in June and July of 2018, it was noted that the LFS 7742 net had an inconsistent net vertical opening (7-20 m). Consistency in vertical net opening is an objective for research surveys in order to minimize differences between tows in the vertical habitat sampled at specific headrope depths. Net adjustments of the set-backs, chain clumps, and floats were used to identify a standard LFS 7742 set-up to ensure consistency in catch rates. Therefore, this report will describe a standard protocol to achieve a correct and consistent net opening with the LFS 7742 net for integrated pelagic surveys.

It is also important to compare the catch composition and catch rates when changing gear in research surveys in order to accurately analyse long term trends. A second objective of this report is to compare the juvenile salmon catch data in the Cantrawl 250 and LFS 7742 nets, when deployed in approximately the same time and area. Analysis of catch data were limited to juvenile salmon because the historic data were focused on salmon species, and only a limited number of other species of were caught during this survey.

MATERIALS AND METHODS

The trawl survey occurred in the Strait of Georgia on October 1-7, 2018 aboard the commercial *FV Sea Crest*. This 24 m stern trawler was deployed with two drums, each mounted with a different net giving the ability to switch between nets quickly (Figure 1). Thyborøn Type 15, 4 m^2 mid-water doors (340 kg each), were used with both nets. Tow speed varied between 3.5 and 5 knots depending on the wind, tide, current and net

adjustments in order to reach the target headrope depth. The target headrope depths were 0 m (surface) and 15 m (depth). Two additional tows were completed at 30 m. There were 51 tows completed in total: 16 for LFS 7742 net adjustment, 32 for catch comparison, and 3 omitted due weather or other complications (Figure 2, Appendix 1).

The target net opening was 15 m (±1 m) because that was the vertical net opening reported on the *CCGS W.E. Ricker,* the research vessel used most frequently for historic mid-water trawl surveys, using the Cantrawl 250 net. The first two tows used the Cantrawl 250 net with its typical set up to establish a baseline with the Sea Crest and the Thyborøn doors. Next, systematic changes were made to the number of links in the set-back, number of chain clumps, and position of the floats in order to optimize the vertical net opening of the LFS 7742 net (Table 1). In addition to the wireless sensors deployed by the vessel, RBR duet T.D depth sensors (RBR Ltd., Ottawa, ON, Canada) were attached to the headrope and footrope to record depth every 30 seconds. The vertical net opening was calculated from the difference between the two depths (Appendix 2). All net adjustment tows were done with the codend open to avoid the capture of fish.

The catch composition portion of this survey used the standard LFS 7742 net set up as follows: setback of 17 links plus hammer lock at the surface, and 36 links at depth; two floats attached to the headrope at the surface, and no floats at depth; two chain clumps, one attached to each lower wingtip, on all tows; and the codend closed.

The catch comparison data were collected along eight transects. There were four tows per transect and each net (Cantrawl 250 and LFS 7742 net) and depth (0 and 15 m) combination was randomly ordered along each transect. These transects were used to reduce the variation due to location and day. All species were counted and the total biomass (kg) per species per tow was weighed using one of two Marel M1100 scales (accurate to 1-2 g and 10-20 g respectively; Appendix 3). A randomly chosen subsample of up to 30 individuals were measured for fork length (mm) of each species (Appendix 4). Catch per unit effort (CPUE) was calculated as number of fish (count) or biomass per swept volume (km^3):

$$\text{CPUE} = \frac{\text{count or biomass}}{\text{vertical net opening x horizontal net opening x distance towed}}$$

The vertical net opening was calculated for each tow from the difference in the headrope and footrope RBR duet depth sensors when the doors were locked. In forty-two tows, the horizontal net opening was averaged from one to three wing tip sensor measurements. In nine tows, the wireless sensors were not functional, therefore, the horizontal net opening was calculated from the door spread and the net dimensions using trigonometry. Briefly, a stretch value on the net dimensions given by the LFS net manufacturers of 0.9475 was applied to the net dimensions. One of the angles of a

right-angled triangle formed from the door to the codend was calculated. This angle was used to calculate the length of a smaller right-angled triangle formed from the net mouth to the door. This calculated small triangle length value was multiplied by 2 to account for both sides, then subtracted from the door spread, to estimate horizontal net opening. The calculated horizontal opening averaged within ± 11.8% of the wing tip measurements from the sensors for 42 tows with both values. An estimate of the area of the net opening was calculated by multiplying vertical net opening by horizontal net opening. Details of these calculations are available on GitHub.

One-way type II analysis of variance, or ANOVAs, were performed on the net opening area, vertical and horizontal net distances for both nets (Table 2). When the headrope depth interaction was significant, the ANOVAs were repeated on data separated by head rope depth. The counts and biomass data were unbalanced, since not all species were caught in every tow. Therefore, type III two-way ANOVAs were performed on the standardized species count CPUE and biomass CPUE with species and net as factors. Finally, the fork length data were analysed with a type III two-way ANOVA (Table 2). The fork length ANOVA included net, depth, and species as factors. All data analysis was done using R (R Core Team 2018) and RStudio (RStudio Team 2016). The R code is available on GitHub.

RESULTS

The area of the net opening was not significantly different between the Cantrawl 250 and LFS 7742 nets (Figure 3). However, the area of the net opening was significantly different between tow depths, with more area in the surface tows for both nets (Table 2, Figure 3). The LFS 7742 net had a significantly larger mean horizontal opening of 40.6 m (SD ± 2.5) in surface tows and 46.9 m (SD ± 3.3) in 15 m tows compared to the Cantrawl 250 of 33.9 (SD ± 3.0) m in the surface tows and 41.9 m (SD ± 7.9) in 15 m tows (Table 3, Figure 4). Conversely, the Cantrawl 250 net had a significantly larger mean vertical opening of 23.5 m (SD ± 1.8) compared to the LFS 7742 net of 18.8 (SD ± 1.9) m in the surface tows (Table 3, Figure 4). The mean vertical openings were comparable between nets in the deeper tows with mean vertical openings of 13.4 (SD ± 0.4) to 13.7 m (SD ± 0.5, Table 2). To summarize, the total net opening area was not significantly different between the nets, although there were significant and opposing differences in the horizontal and vertical net openings. There were significant differences between the net opening area at the surface and 15 m headrope depths.

Net adjustments were performed to reduce the vertical net opening in the surface tows to the target opening of 15 m and increase the opening in the depth tows closer to the target vertical height (Table 1). A hammerlock was added to allow for a shorter setback at the surface and a larger setback at 15 m. Reducing the number of links in the setback, reduced the size of the vertical net opening, however, reducing the set back to zero prevented the net from rising to the surface, even at 5 knots (see Appendix 2, Event 12). No chain clumps and one float at the surface produced the closest vertical net

opening at the surface of 15.6 m, but the doors did not remain consistently set without the extra weight of the chain clumps (see Appendix 2, Event 8). Floats on surface tows increased visibility and safety, however, they also increased the vertical opening, which is less desirable. Floats on the wingtips, instead of the headrope, reduced the vertical net opening at the surface to 17.2 m while allowing for visibility of the net at the surface (see Appendix 2, Event 51).

Within the sampled tows, the most abundant species caught by biomass were chum, coho, pink and chinook salmon (Table 4). Pacific Herring (*Clupea pallasii*) were next by biomass, although they were only found in two tows. The next most abundant species by biomass was sockeye salmon. There were modest amounts of fried egg (*Phacellophora camtschatica*), Lion's mane (*Cyanea capillata),* and moon jellies (*Aurelia aurita*). Nine river lamprey (*Lampetra ayresii),* one juvenile hake (*Merluccius productus*) and one anchovy (*Engraulis mordax*) were also collected. Statistical analysis were done on juvenile salmon species only.

The standardized catch counts (Figure 5), and biomass per swept volume of juvenile salmon (Figure 6) showed no significant difference between nets (Table 2). There was large sample variance, highlighted by the large confidence intervals around the means (Figures 5 & 6). Although the Cantrawl 250 net appeared to catch slightly smaller Chinook and Coho juvenile salmon, compared to the LFS 7742 net at a target headrope depth of 15 m (Figure 7), the difference was not significant (p-value = 0.084, Table 2). Species had a significant effect on count at 0 m, biomass at 0 and 15 m, and fork length measurements (Table 2).

DISCUSSION

The differences between the vertical and horizontal net openings at different depths highlight the importance of measuring the net opening and using this to standardize CPUE using swept volume. Neither the Cantrawl 250, nor LFS 7742 nets were fishing with a vertical net opening of the target of 15 m ($\pm$ 1 m). The vertical mouth openings for surface tows were larger in the Cantrawl 250 net (23.5 m) compared to the LFS 7742 net (18.8 m). This distance was significantly different from each other and the target size (Table 3). The horizontal net opening was consistently larger in the LFS 7742 net compared to the Cantrawl 250 net (Table 3). These opposing differences (i.e. a smaller vertical distance and larger horizontal distance in the LFS 7742 net) made the area of the net opening similar between the two nets, within the same target tow depth.

Historically, catch has been standardized by swept area (as calculated by horizontal net opening x distance towed), with the assumption that the vertical net opening did not change significantly between tows. With the change in nets and protocols, standardization of abundance and biomass data by swept volume is recommended to minimize the impact of differences in net opening when comparing historic and current data. If net measurements are not available, comparisons are still possible between

nets, as long as comparisons are limited to tows within the same tow depth. This is because the net opening area of the Cantrawl 250 and LFS 7742 nets were not significantly different from each other within the same target headrope depth.

One of the objectives of this survey was to recommend LFS 7742 net set-up protocols for integrated pelagic surveys. Based on our net adjustments, we recommend the following protocol: an adjustable setback of 17 links plus hammer lock at the surface, and 36 links at depth; two floats attached to the headrope at the surface on the wingtips, and no floats at depth; and two chain clumps, one attached to each lower wingtip on all tows. Although the vertical opening may be further reduced by fishing without floats, the floats are recommended for safety and visibility. The presence of the floats could be reassessed, if the fishing vessel had a wired headrope sensor.

None of the statistical analyses on abundance, biomass, and fork length indicated that the net had a significant difference in juvenile salmon catch, either with catchability or size-selectivity (Table 2). Within the biological data the only significant factors in the ANOVAs, were the species of salmon, despite the large sample variances observed (Table 2). The differences between salmon species is expected given the different life histories and distributions of juvenile salmon species (Fisher et al. 2007). The power of the analyses was low due to the large sample variances, indicated by the large confidence intervals around the means (Figures 5 & 6). Other studies have also reported similarly large ranges in CPUE in juvenile salmon in the Pacific Northwest (Fisher et al. 2007).

In conclusion, we recommend that CPUE be reported using swept volume. If the swept volume is used, no correction value is recommended for long term trends analysis for data collected by the Cantrawl 250 and LFS 7742 nets. If the net opening measurements are unknown, catch abundance and composition from Cantrawl 250 and LFS 7742 nets are possible, as long as comparisons are limited to within one depth. We also provided specific net protocols for the LFS 7742 net.

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TABLES

Table 1. Net adjustments on the Cantrawl 250 and LFS 7742 nets varying the set-back, chain clumps, and floats. The first vertical net opening column reflects the real time net opening measured by the sensors that sends the data wirelessly to the ship during the tow. The second column contains the calculated vertical net opening from the RBR duet depth sensors. Target headrope depth, wireless vertical net opening, calculated vertical net opening are all in meters.

Tow	Net	Target Headrope Depth	# of Set-Back Links	# of Chain Clumps	# of Floats	Wireless Vertical Net Opening	Calculated Vertical Net Opening
1	Cantrawl	0	36	2	2	23	20.3
2	Cantrawl	15	36	2	0	14	14.2
3	LFS	0	26	2	2	20	19.4
4	LFS	15	26	2	0	12	11.6
5	LFS	0	26	2	2	18	18.2
6	LFS	15	26	4	0	12	12.5
7	LFS	0	26	0	2	18	18.9
8	LFS	0	26	0	1	17	15.6
9	LFS	15	36	2	0	13	13.7
10	LFS	0	36	2	2	20	21.9
11	LFS	0	17 plus hammer lock	2	2	21	18.3
12	LFS	0	0	2	2	7	9.9
13	LFS	0	10	2	2	19	16.4
37	LFS	30	36	2	0	13	13
38	Cantrawl	30	36	2	0	11	9.9
51	LFS	0	17 plus hammer lock	2	1 on each wingtip	19	17.4

Table 2. ANOVA results for net opening area, vertical and horizontal net opening distances, catch count or abundance, biomass, and fork length at 0 and 15 m of five juvenile salmon species. The area of the net opening is not significant between nets, although it is significant between depths. The vertical net opening is significantly different in surface tows between the two nets, but not at 15 m. The horizontal net opening is significantly different between nets. Species is significant in count, biomass and fork length; however, the effects of the net are not significant.

Measure	**Depth**	**ANOVA Results**				
		Factors	Sum of Squares	Degrees of Freedom	F value	P-value
Net Opening Area	0 & 15	Net	798.271	1	0.153	0.699
		Depth	257416.578	1	49.380	0.000*
		Net: Depth	14942.840	1	2.866	0.102
		Residuals	145963.437	28	-	-
Vertical Net Opening	0	Net	89.303	1	26.119	0.000*
		Residuals	47.867	14	-	-
	15	Net	0.563	1	2.332	0.149
		Residuals	3.377	14	-	-
Horizontal Net Opening	0 & 15	Net	274.190	1	12.322	0.002*
		Depth	405.057	1	18.203	0.000*
		Net: Depth	5.520	1	0.248	0.622
		Residuals	623.051	28	-	-
Count	0	(Intercept)	264528.17	1	26.975	0.000
		Species	206860.61	4	5.274	0.001*
		Net	975.69	1	0.099	0.753
		Species: Net	25686.38	4	0.655	0.626
		Residuals	617800.24	63	-	-
	15	(Intercept)	2202.149	1	18.851	0.000*
		Species	793.191	4	1.698	0.170
		Net	24.360	1	0.209	0.650
		Species: Net	436.327	4	0.934	0.454
		Residuals	4672.688	40	-	-
Biomass	0	(Intercept)	2426.931	1	22.744	0.000*
		Species	2648.451	4	6.205	0.000*
		Net	106.537	1	0.998	0.322
		Species: Net	182.621	4	0.428	0.788
		Residuals	6722.575	63	-	-
	15	(Intercept)	45.253	1	7.350	0.010*
		Species	68.407	4	2.778	0.040*
		Net	0.628	1	0.102	0.751
		Species: Net	19.746	4	0.802	0.531
		Residuals	246.267	40	-	-
Fork Length	0 & 15	(Intercept)	37267321.575	1	83854.191	0.000*
		Species	2107311.957	4	1185.401	0.000*
		Net	1326.147	1	2.984	0.084
		Depth	15.451	1	0.035	0.852
		Species: Net	2839.487	4	1.597	0.172
		Species: Depth	470.479	4	0.265	0.901
		Net: Depth	993.695	1	2.236	0.135
		Species: Net: Depth	3426.540	4	1.927	0.103
		Residuals	720865.527	1622	-	-

Table 3. Mean vertical and horizontal net openings (Mean) and standard deviation (SD) in meters for the Cantrawl 250 and the LFS 7742 nets at 0 m and 15 m target headrope depths. Vertical net opening was calculated from the difference between RBR depth sensors mounted on the headrope and footrope. Horizontal net opening was averaged from up to three measurements from the wireless wingtip sensors. In nine tows, there was no sensor measurement so this value was calculated using the door spread and the net dimensions. Only 32 tows with a consistent setup are included in this graph; net adjustment and weather tows are omitted.

Target Headrope Depth	Vertical Net Opening				Horizontal Net Opening			
	Cantrawl		LFS		Cantrawl		LFS	
	Mean	**SD**	**Mean**	**SD**	**Mean**	**SD**	**Mean**	**SD**
0 m	23.5	1.8	18.8	1.9	33.9	3.0	40.6	2.5
15 m	13.7	0.5	13.4	0.4	41.9	7.9	46.9	3.3

*Table 4. Total counts and weights of species collected in the 32 transect tows. *The count of herring was estimated from the weight of a subsample of 100 herring and the total weight.*

Common Name	Scientific Name	Total Count	Total Weight (grams)
Chum salmon	*Oncorhynchus keta*	2879	425 933
Coho salmon	*Oncorhynchus kisutch*	752	196 888
Pink salmon	*Oncorhynchus gorbuscha*	462	35 509
Chinook salmon	*Oncorhynchus tshawytscha*	731	33 367
Herring	*Clupea pallasii*	2126*	25 422
Sockeye salmon	*Oncorhynchus nerka*	430	16 220
Fried Egg Jelly	*Phacellophora camtschatica*	2	576
Lion's Mane Jelly	*Cyanea capillata*	1	552
River Lamprey	*Lampetra ayresii*	9	223
Moon Jelly	*Aurelia aurita*	1	141
Hake	*Merluccius productus*	1	69
Anchovy	*Engraulis mordax*	1	22

FIGURES

Figure 1. Back deck of the FV Sea Crest with the Cantrawl 250 net deployed off the left drum and the LFS 7742 net stored on the right drum. The large float in the centre was one of two large floats deployed on the surface tows. The blue baskets are used for sorting and weighting the biological samples. Photo by Jackie King.

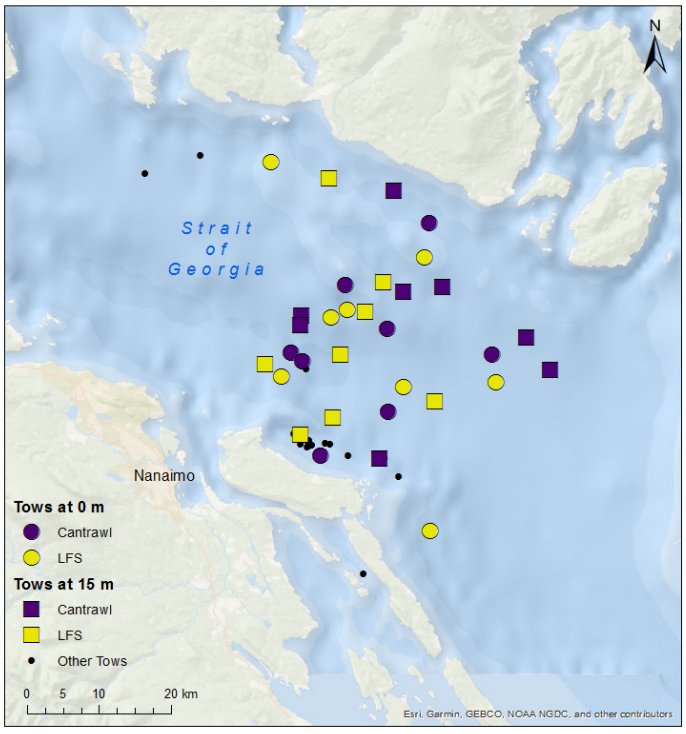


Figure 2. Locations of tows in the Strait of Georgia. The colored symbols represent 32 tows used in the catch composition portion of this survey. Other tows include 16 net adjustment tows, plus 3 tows omitted due to weather or other complications.

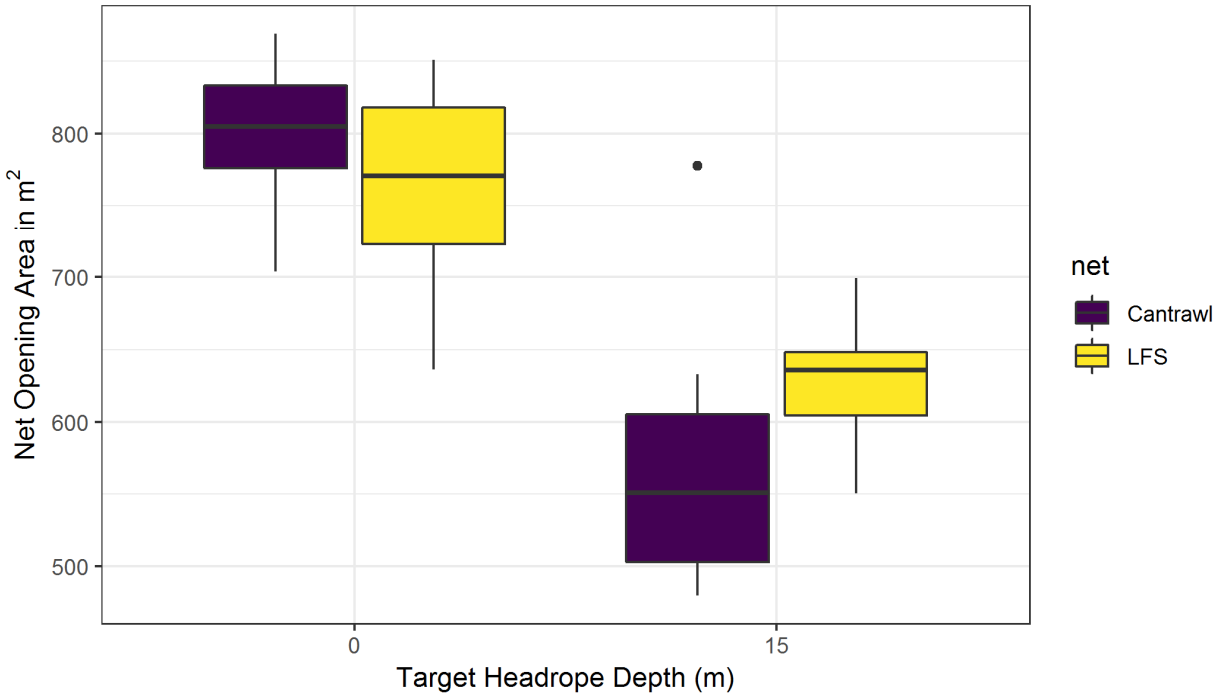


Figure 3. Net opening area by target headrope depth. Only the tows with a consistent setup are included in this graph, and the net adjustment tows omitted. There are eight tows at each net and target depth combination for a total of 32 tows. The median is indicated by the horizontal line within the box, quartiles by the outer box, and outliers with dots. The outlier point had only one sensor measurement and the calculation indicated a smaller area than that sensor value.

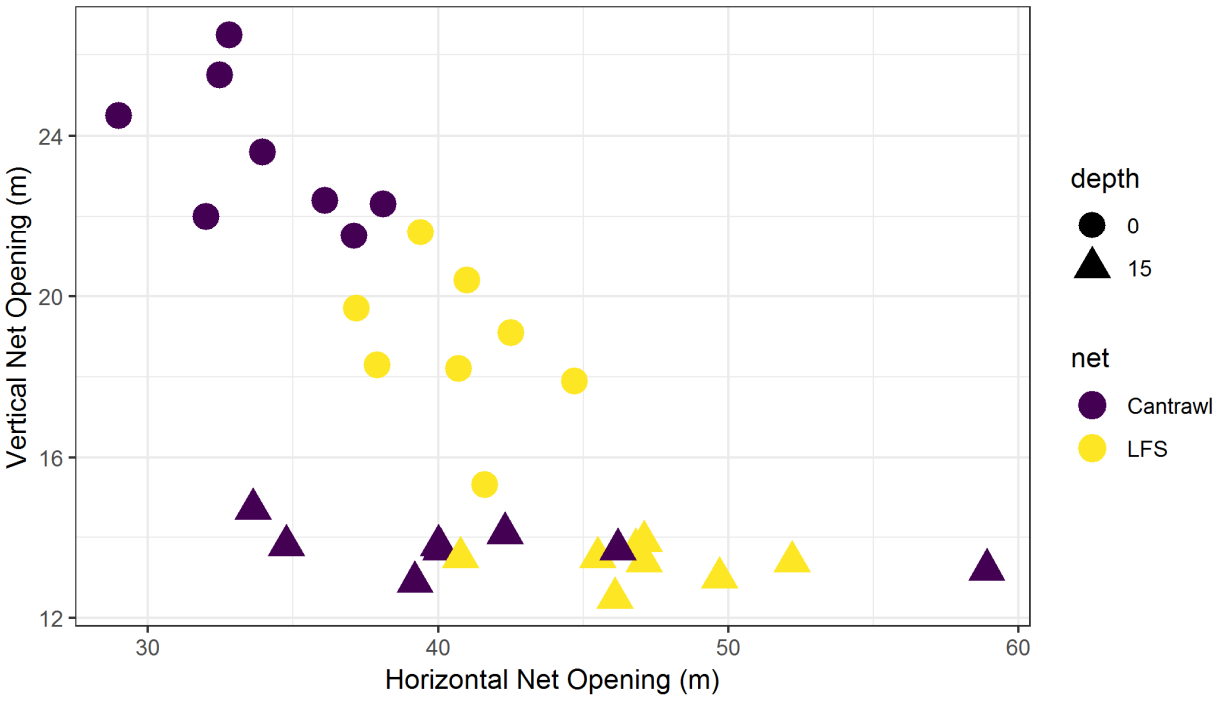


Figure 4. Vertical net opening by horizontal net opening. The target headrope depth is indicated by shape and the net by color. The LFS 7742 averages a larger horizontal net opening at both depths, whereas the Cantrawl 250 has a larger vertical net opening at the surface target headrope depth.

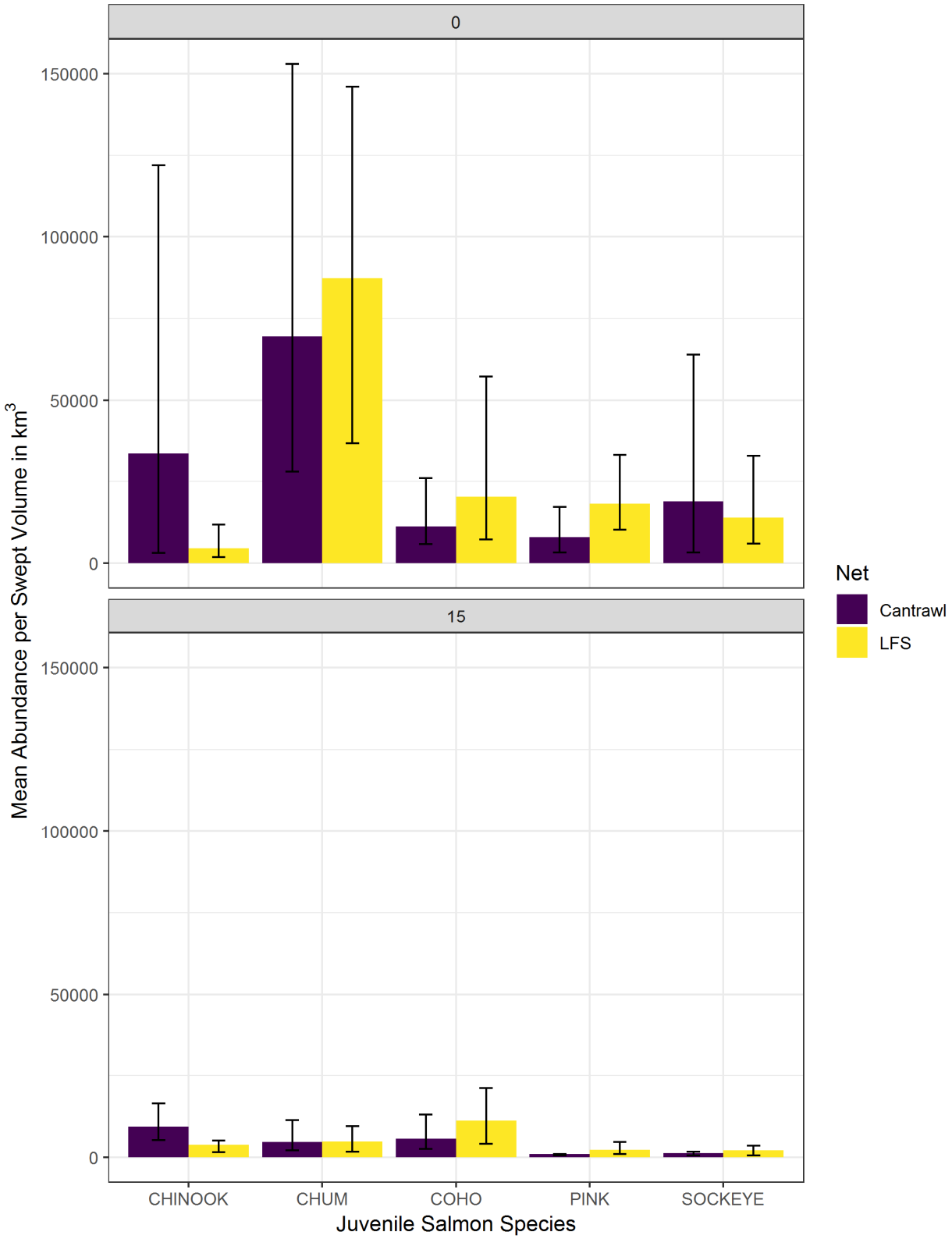


Figure 5. Mean abundance or count of juvenile salmon species per swept volume in kilometer^3, at 0 and 15 m target headrope depths, by net. Error bars represent 95% confidence intervals.

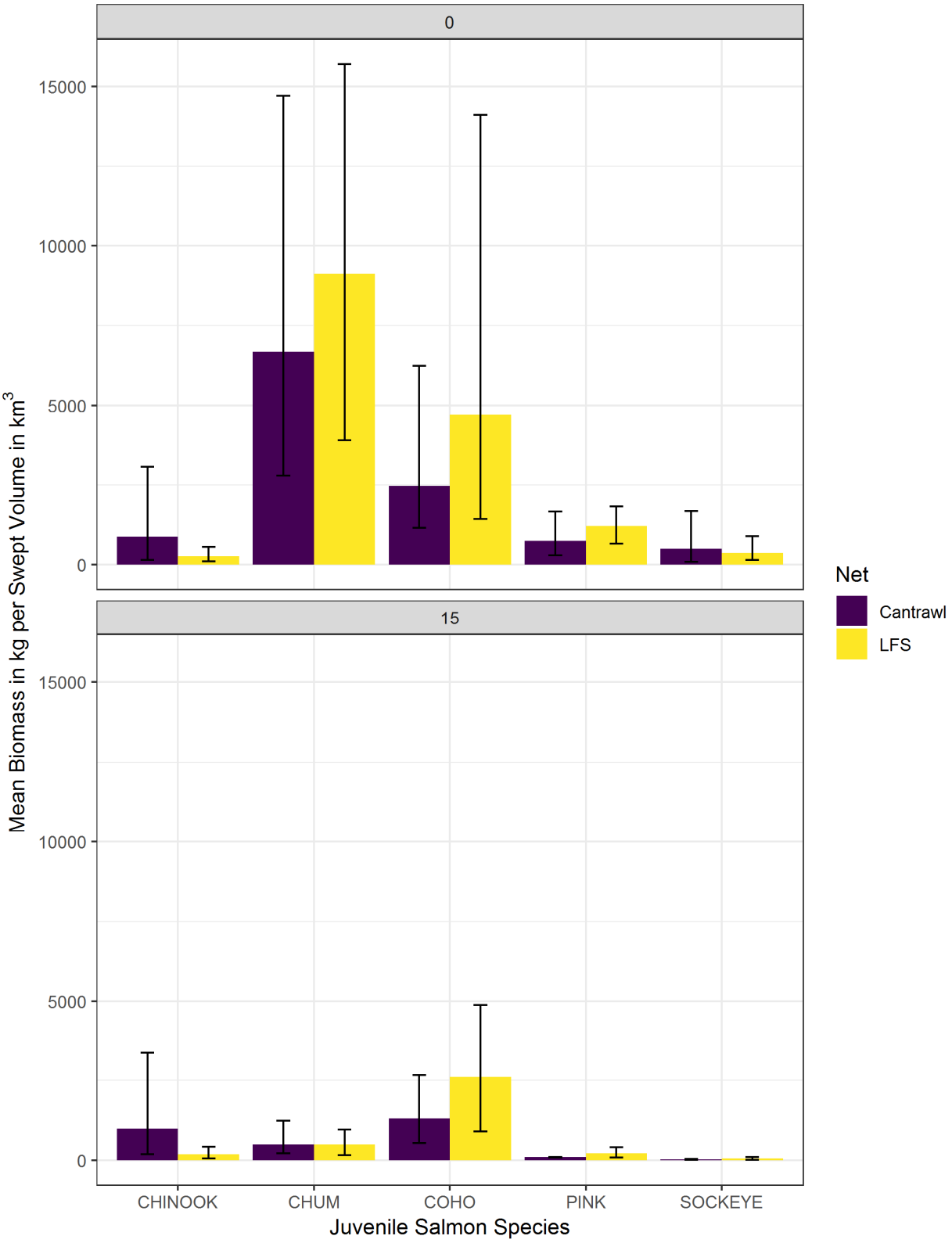


Figure 6. Mean biomass or total weight of juvenile salmon species per swept volume in kg per km^3, at 0 and 15 m target headrope depths, colored by net. Error bars represent 95% confidence intervals.

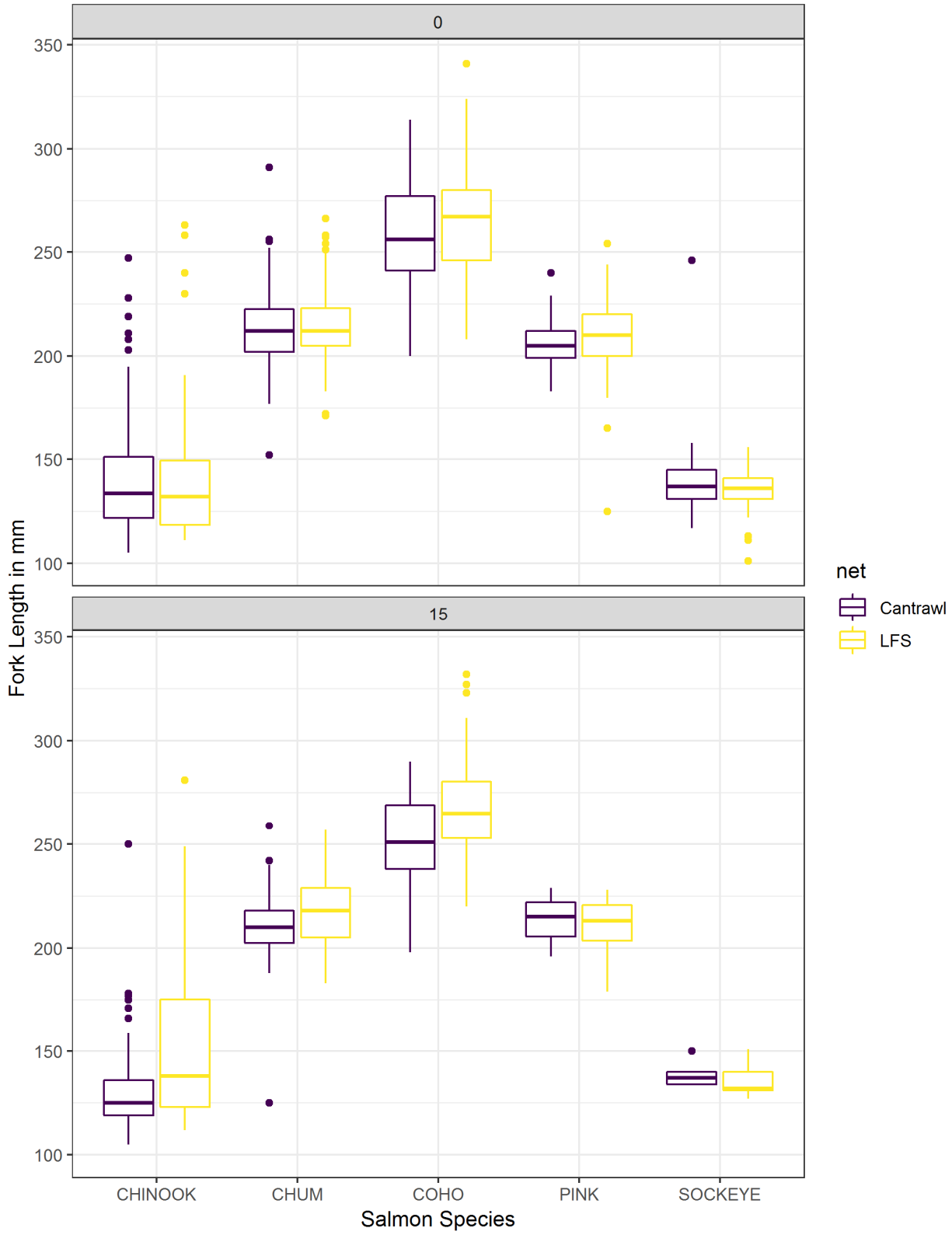


Figure 7. Fork lengths of juvenile salmon species, at 0 and 15 m target headrope depths, by net. The median is indicated by the horizontal line within the box, quartiles by the outer box, and outliers with dots.

APPENDICES

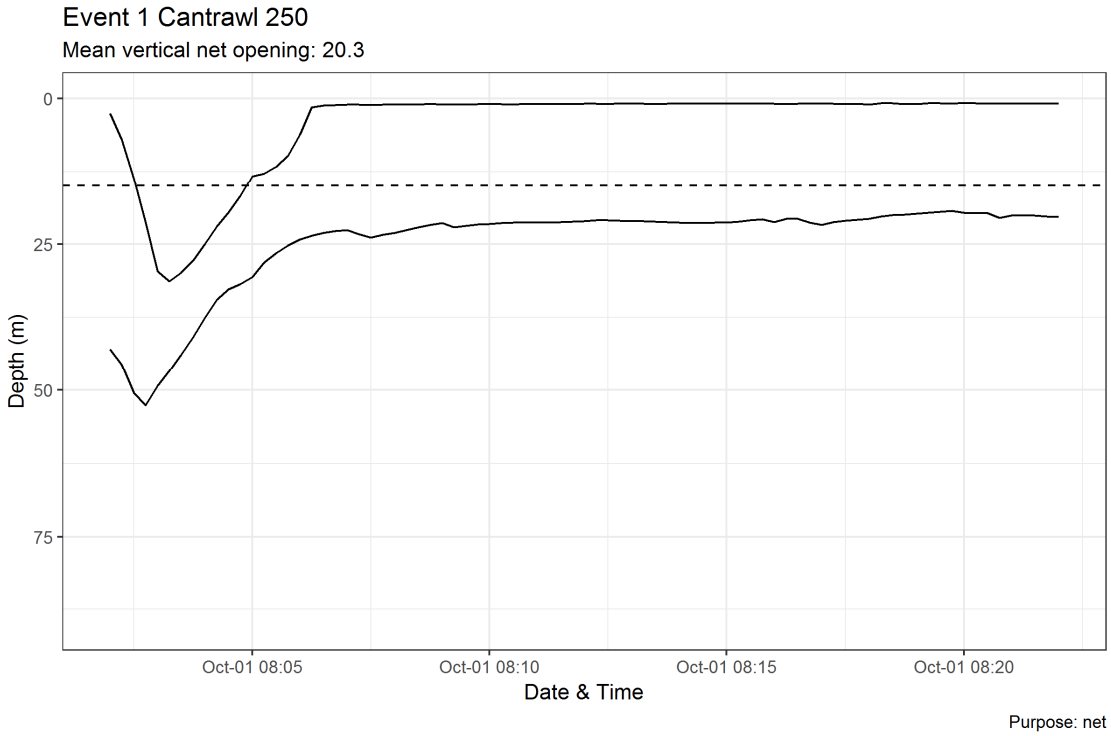
Appendix 1. Abbreviated bridge log from the FV Sea Crest on October 1-7, 2018. Start time is in a 24 hour clock format and tow time was measured to the nearest minute. Warp is recorded in fathoms and speed in knots. The door spread measurements were averaged from one to three values from the wireless sensors. The vertical and horizontal columns refer to the net opening distance in meters. The transect column indicates whether the tow was used for the net adjustments (net), catch composition (transect name) or omitted due to weather or other complications (lost).

Event	Station	Date	Start Time	Tow Time	Latitude	Longitude	Net	Target Depth	Warp	Speed	Door Spread	Vertical	Horizontal	Transect
1	ENIL01	2018-10-01	08:02	20	49.1882	-123.75445	Can	0	75	3.9	64.6	20.3	37	net
2	ENIL02	2018-10-01	08:43	20	49.18845	-123.73188	Can	15	75	4.7	65.8	14.2	39.3	net
3	ENIL03	2018-10-01	09:52	20	49.19216	-123.75853	LFS	0	75	3.9	70.4	19.4	39.5	net
4	ENIL04	2018-10-01	10:39	19	49.18175	-123.74185	LFS	15	75	4.8	75.4	11.6	48.2	net
5	ENIL05	2018-10-01	11:58	22	49.18648	-123.76125	LFS	0	75	4.1	72.2	18.2	40.4	net
6	ENIL06	2018-10-01	12:51	20	49.18156	-123.74156	LFS	15	75	4.7	76.6	12.5	48.7	net
7	ENIL07	2018-10-01	13:59	20	49.189	-123.76893	LFS	0	100	4.1	74.5	18.9	47.5	net
8	ENIL08	2018-10-01	15:00	20	49.19016	-123.75945	LFS	0	100	4	79.5	15.6	47.9	net
9	ENIL09	2018-10-01	16:07	20	49.17648	-123.74071	LFS	15	75	4.3	75.3	13.7	47.8	net
10	ENIL10	2018-10-02	07:34	20	49.19721	-123.77786	LFS	0	100	3.5	68.7	21.9	42.5	net
11	ENIL11	2018-10-02	08:49	19	49.18736	-123.75783	LFS	0	75	4.3	69.5	18.3	45	net
12	ENIL12	2018-10-02	10:04	22	49.18938	-123.7375	LFS	0	50	5	59.9	9.9	39.4	net
13	ENIL13	2018-10-02	11:23	19	49.17965	-123.7086	LFS	0	75	4.7	72.2	16.4	44.6	net
14	VAL01	2018-10-02	12:55	20	49.16211	-123.6454	LFS	15	75	4.7	69.1	12.7	44.6	lost
15	PYL01	2018-10-02	15:35	16	49.08203	-123.68953	LFS	0	50	4.4	59.8	19.3	37.5	lost

Event	Station	Date	Start Time	Tow Time	Latitude	Longitude	Net	Target Depth	Warp	Speed	Door Spread	Vertical	Horizontal	Transect
16	SNA01	2018-10-03	07:36	20	49.26411	-123.7816	Can	0	75	4.4	60.8	22.4	36.1	snake1
17	SNA02	2018-10-03	08:29	20	49.29398	-123.76821	Can	15	75	4.4	64	13.7	40.1	snake1
18	SNA03	2018-10-03	09:48	20	49.29865	-123.7098	LFS	0	75	4.5	68.7	15.3	41.6	snake1
19	SNA04	2018-10-03	10:41	20	49.32145	-123.66433	LFS	15	75	4.4	73.3	13.9	47.1	snake1
20	HALI01	2018-10-03	12:01	20	49.3137	-123.63988	Can	15	75	4.4	62.5	14.7	33.6	halibut1
21	HALI02	2018-10-03	12:55	20	49.28298	-123.65965	Can	0	75	4.6	60.4	25.5	32.5	halibut1
22	HALI03	2018-10-03	13:56	19	49.26211	-123.7182	LFS	15	75	4.5	71.7	12.5	46.1	halibut1
23	HALI04	2018-10-03	14:48	20	49.25061	-123.76206	LFS	0	50	4.7	63	14.7	39.8	lost
24	HALI05	2018-10-03	15:54	20	49.24421	-123.79328	LFS	0	50	4.8	60.5	18.3	37.9	halibut1
25	GAB01	2018-10-04	07:35	20	49.2108	-123.72871	LFS	15	75	4.4	72.9	13.4	52.2	gabriola
26	GAB02	2018-10-04	08:33	20	49.23541	-123.64013	LFS	0	75	4.4	66.3	19.7	37.2	gabriola
27	GAB03	2018-10-04	09:54	20	49.26223	-123.52818	Can	0	75	4.3	63.2	23.6	33.9	gabriola
28	GAB04	2018-10-04	10:40	20	49.27636	-123.48493	Can	15	75	4.5	69.3	14.1	42.3	gabriola
29	BUR01	2018-10-04	11:43	18	49.24965	-123.45498	Can	15	75	4.4	63.4	13.8	40	burrard
30	BUR02	2018-10-04	13:01	21	49.23956	-123.52336	LFS	0	75	4.7	68	18.2	40.7	burrard
31	BUR03	2018-10-04	14:28	19	49.22363	-123.60018	LFS	15	75	4.3	77.6	13	49.7	burrard
32	BUR04	2018-10-04	15:24	20	49.21528	-123.6586	Can	0	75	4.5	60.3	22	32	burrard
33	GOW01	2018-10-05	08:36	20	49.37025	-123.60763	Can	0	75	4.4	54.4	24.5	29	gower

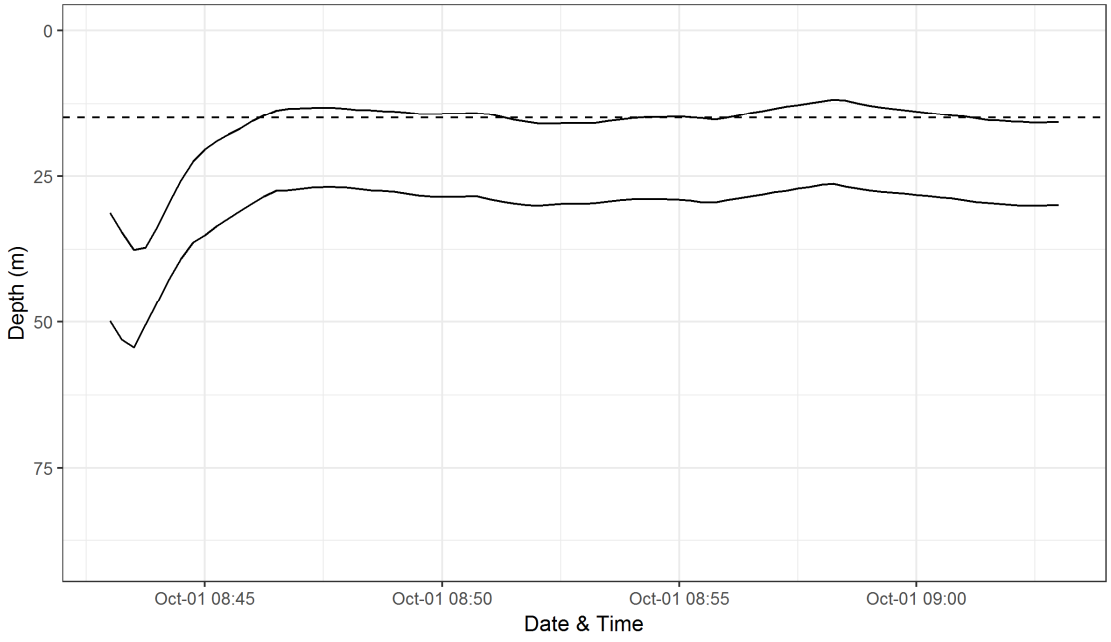
Event	Station	Date	Start Time	Tow Time	Latitude	Longitude	Net	Target Depth	Warp	Speed	Door Spread	Vertical	Horizontal	Transect
34	GOW02	2018-10-05	10:20	20	49.39623	-123.6518	Can	15	75	4.5	64.7	13.8	34.8	gower
35	GOW03	2018-10-05	11:31	20	49.4065	-123.73261	LFS	15	75	4.5	70.8	13.5	45.5	gower
36	GOW04	2018-10-05	12:19	20	49.41983	-123.80606	LFS	0	75	4.9	69.2	19.1	42.5	gower
37	TRL01	2018-10-05	13:21	20	49.42551	-123.89523	LFS	30	125	4.1	89.3	13	54.8	net
38	TRL02	2018-10-05	14:30	19	49.4103	-123.96403	Can	30	100	4.6	77.9	9.9	44.6	net
39	SNA05	2018-10-06	07:37	19	49.2547	-123.813	LFS	15	75	4.5	72.7	13.5	40.8	snake2
40	SNA06	2018-10-06	09:16	20	49.2861	-123.76945	Can	15	75	4.5	68.7	13.2	58.9	snake2
41	SNA07	2018-10-06	10:12	19	49.31893	-123.71288	Can	0	65	4.5	57.1	22.3	38.1	snake2
42	SNA08	2018-10-06	11:28	20	49.34178	-123.6137	LFS	0	60	4.6	67.4	20.4	41	snake2
43	HALI09	2018-10-06	13:06	20	49.31736	-123.59056	Can	15	75	4.5	63.9	12.9	39.2	halibut2
44	HALI06	2018-10-06	14:24	19	49.29753	-123.6876	LFS	15	75	4.3	74.2	13.4	47.1	halibut2
45	HALI07	2018-10-06	15:17	20	49.29228	-123.73115	LFS	0	75	4.4	72.5	17.9	44.7	halibut2
46	HALI08	2018-10-06	16:15	19	49.25656	-123.76615	Can	0	75	4.3	64.9	21.5	37.1	halibut2
47	ENIL14	2018-10-07	07:30	20	49.19668	-123.76886	LFS	15	75	4.4	73.1	13.7	46.8	entrance
48	ENIL15	2018-10-07	08:34	20	49.17913	-123.7437	Can	0	75	4.5	60.9	26.5	32.8	entrance
49	ENIL16	2018-10-07	09:49	20	49.17686	-123.66995	Can	15	75	4.6	65.7	13.7	46.2	entrance
50	ENIL17	2018-10-07	11:20	20	49.11758	-123.60633	LFS	0	60	4.3	63.9	21.6	39.4	entrance
51	ENIL18	2018-10-07	13:07	19	49.17695	-123.66323	LFS	0	60	5	56.4	17.4	31.6	net

Appendix 2. Tow plots showing the depth profiles from the RBR depth sensors mounted on the headrope and footrope. The event number links to the bridge log data in Appendix 1. The mean vertical net opening is indicated in meters. The dashed horizontal line is at 15 m, which was one of target headrope depths. The purpose of the tow is indicated in the lower corner: net for net adjustments, catch for catch composition, and lost for tows not included, due to weather or other complications.



Event 2 Cantrawl 250

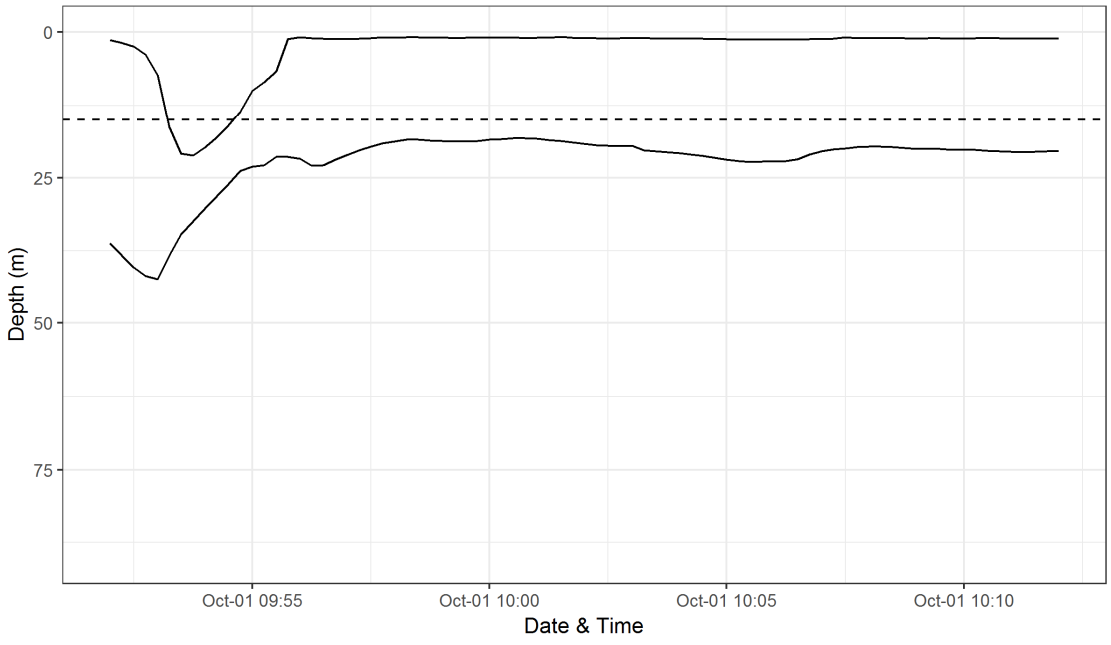
Mean vertical net opening: 14.2



Purpose: net

Event 3 LFS 7742

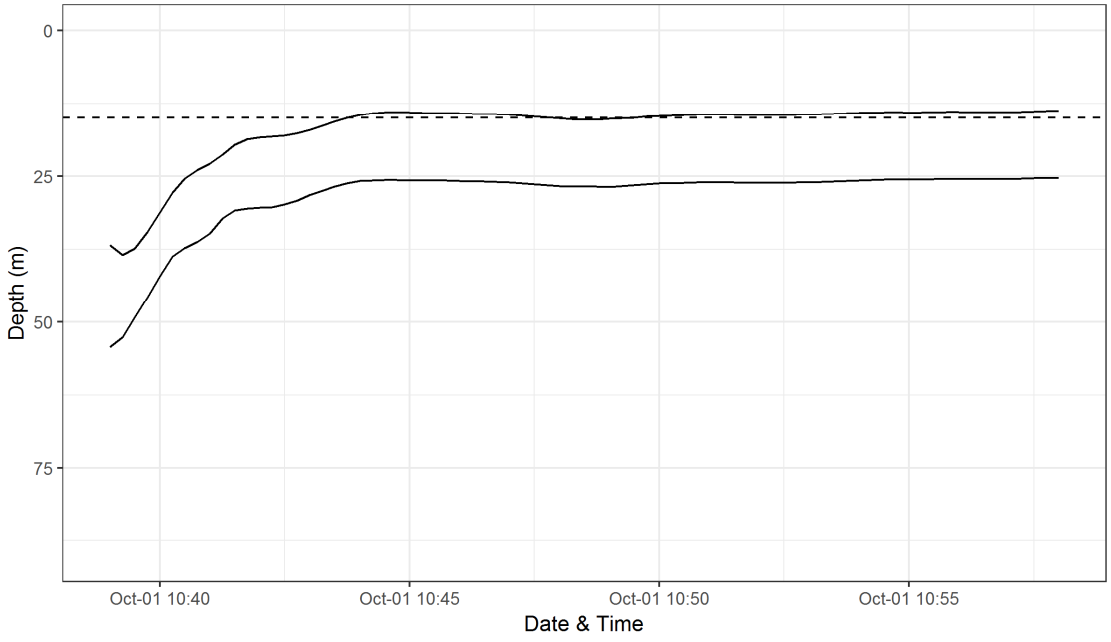
Mean vertical net opening: 19.4



Purpose: net

Event 4 LFS 7742

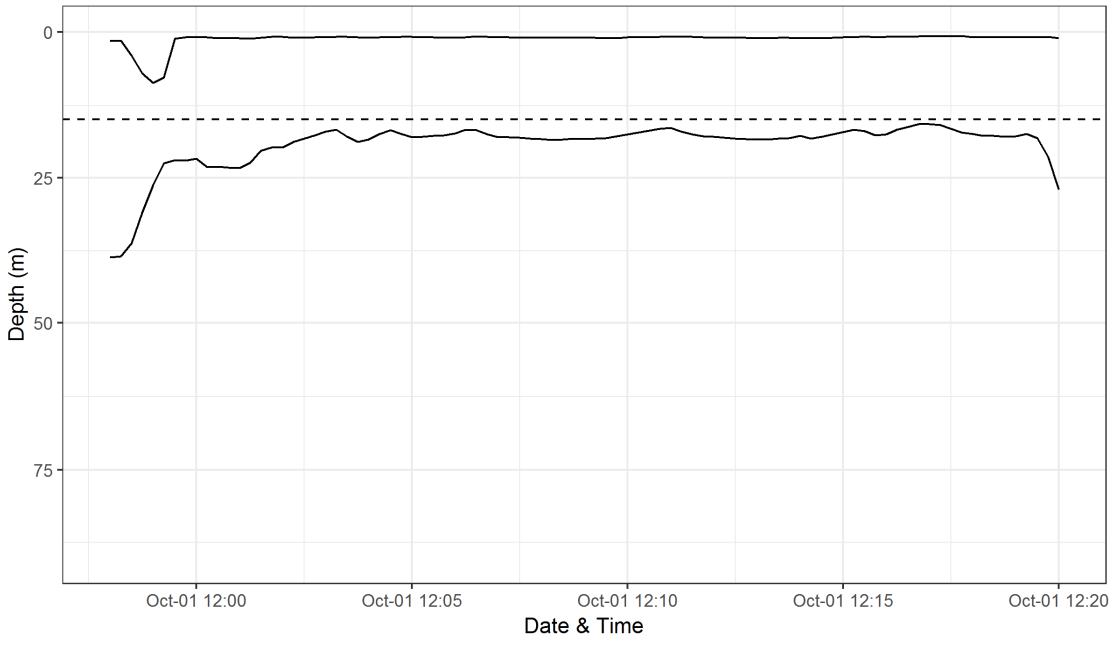
Mean vertical net opening: 11.6



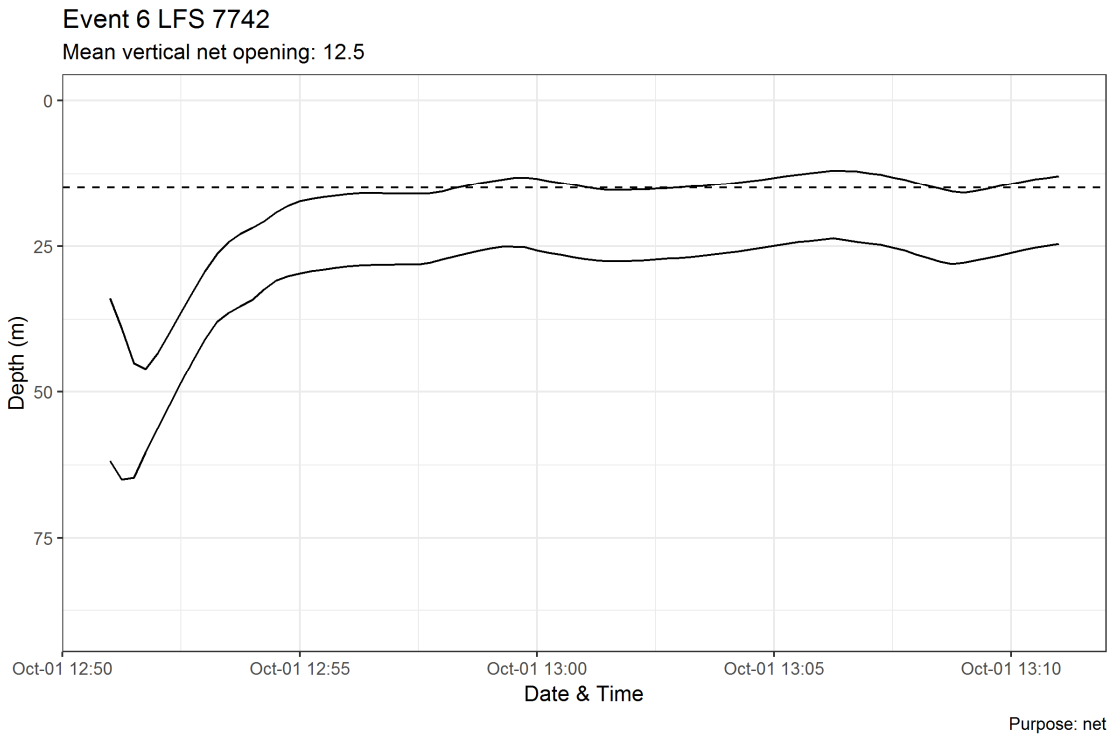
Purpose: net

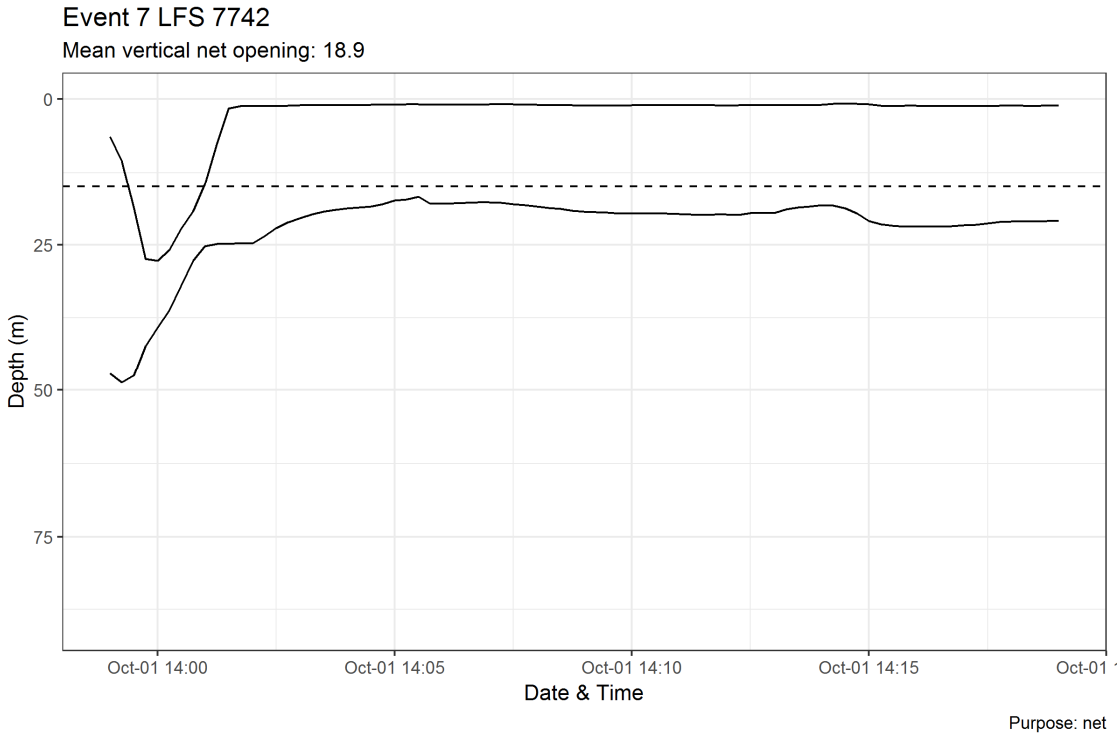
Event 5 LFS 7742

Mean vertical net opening: 18.2



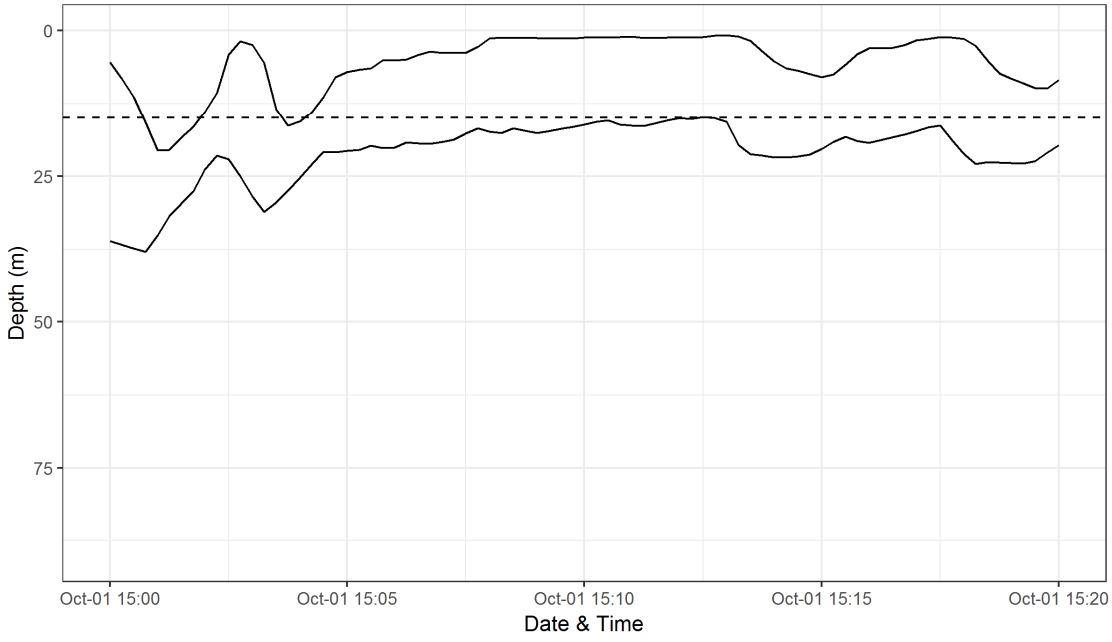
Purpose: net


Event 6 LFS 7742
Mean vertical net opening: 12.5
0
25
50
75
Depth (m)
Oct-01 12:50
Oct-01 12:55
Oct-01 13:00
Oct-01 13:05
Oct-01 13:10
Date & Time
Purpose: net


Event 7 LFS 7742
Mean vertical net opening: 18.9
0
25
50
75
Depth (m)
Oct-01 14:00
Oct-01 14:05
Oct-01 14:10
Oct-01 14:15
Oct-01
Date & Time
Purpose: net

Event 8 LFS 7742

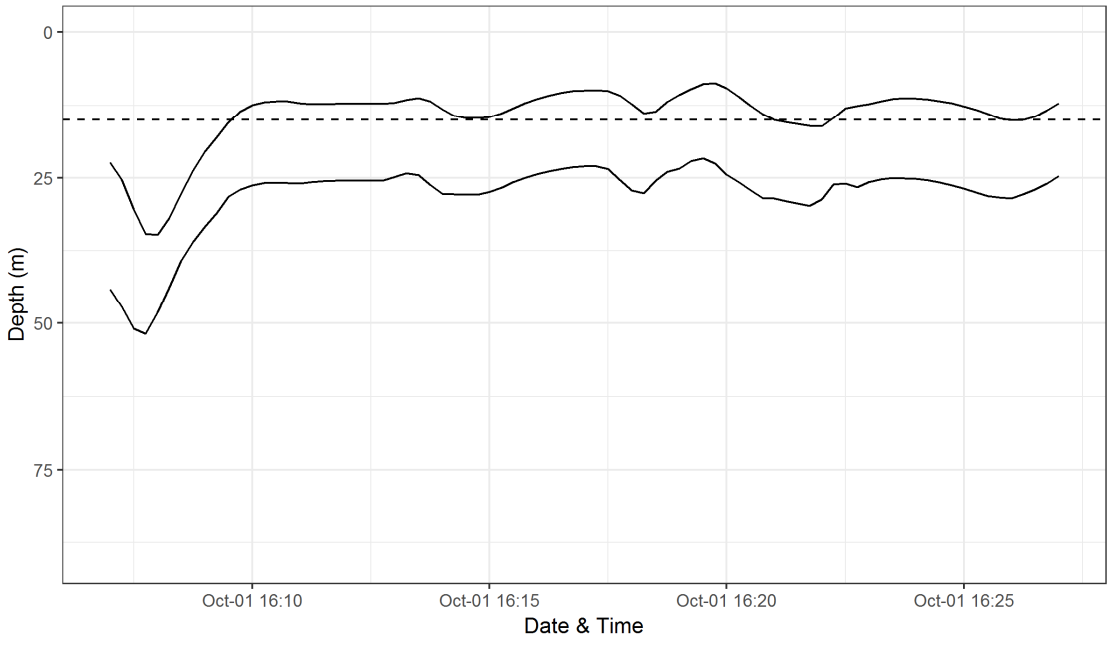
Mean vertical net opening: 15.6



Purpose: net

Event 9 LFS 7742

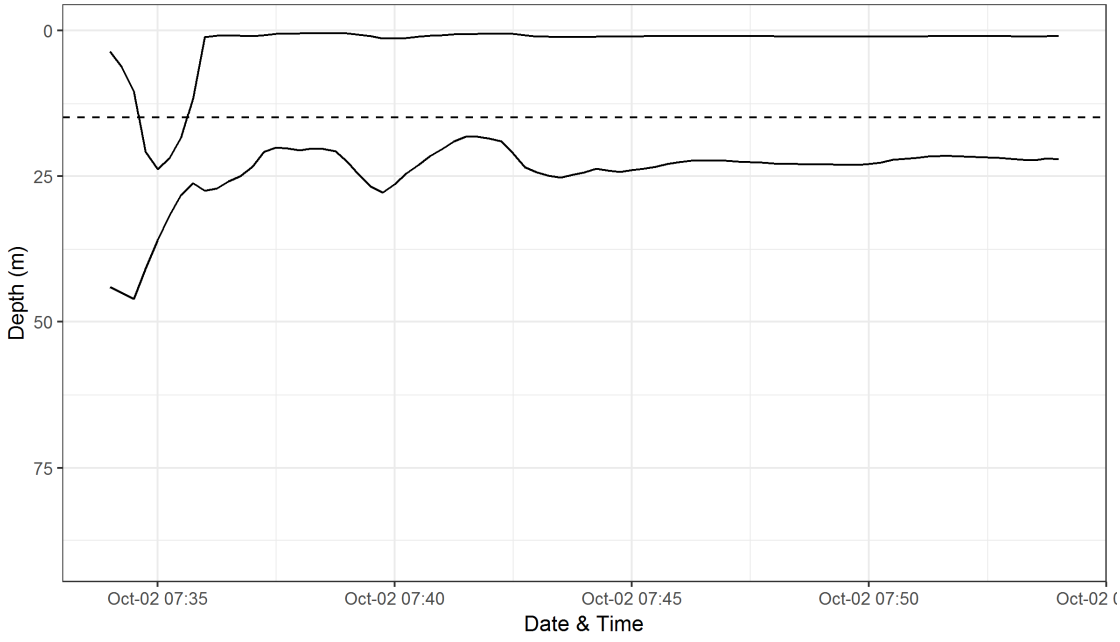
Mean vertical net opening: 13.7



Purpose: net

Event 10 LFS 7742

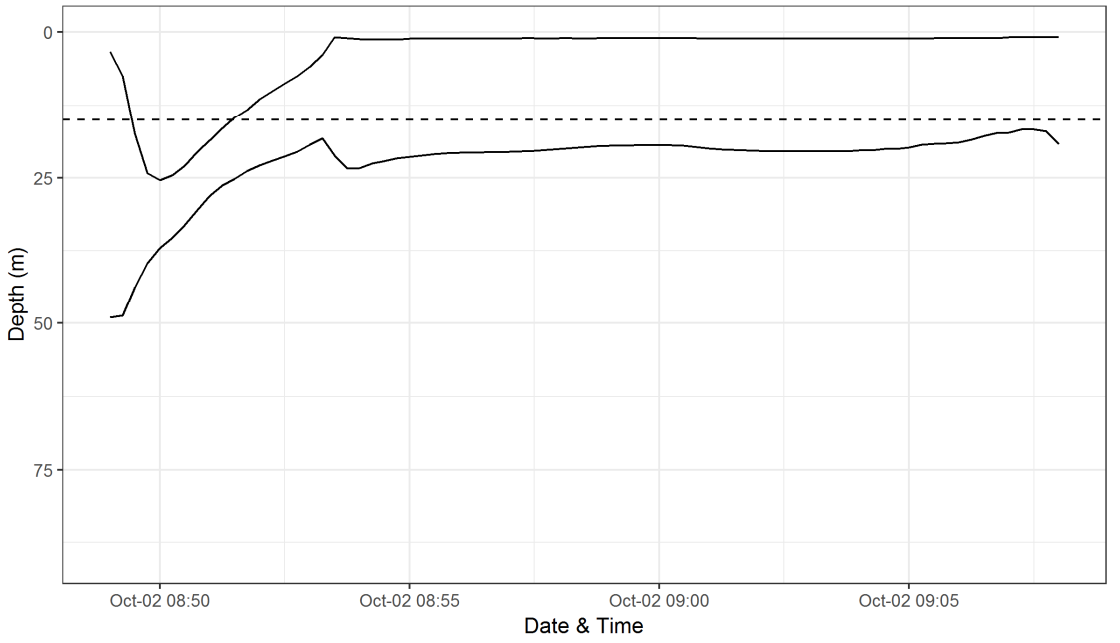
Mean vertical net opening: 21.9



Purpose: net

Event 11 LFS 7742

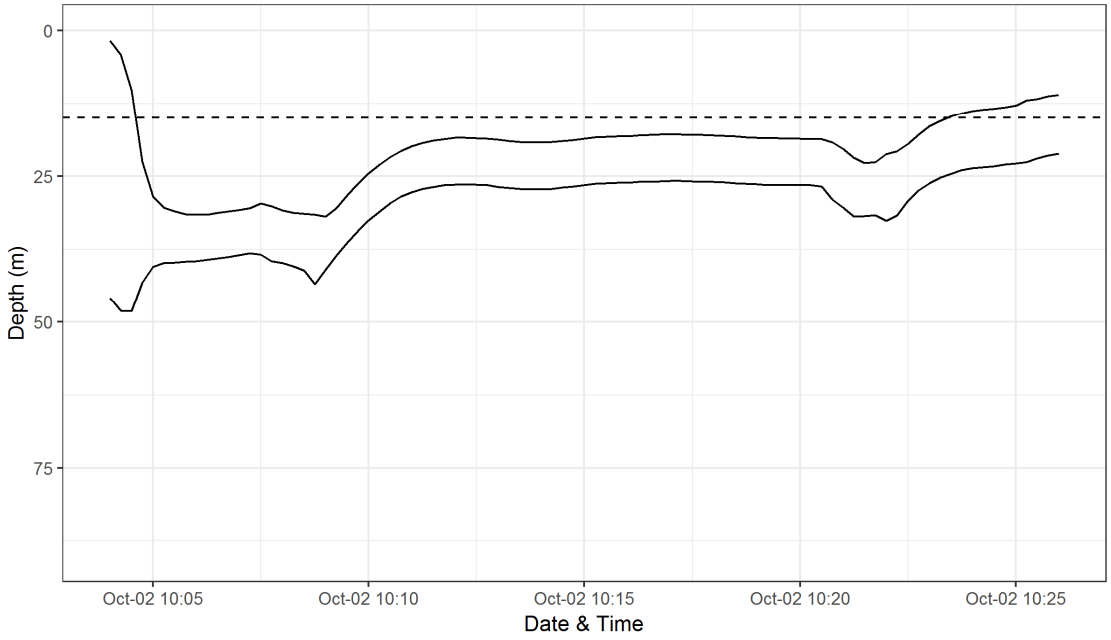
Mean vertical net opening: 18.3



Purpose: net

Event 12 LFS 7742

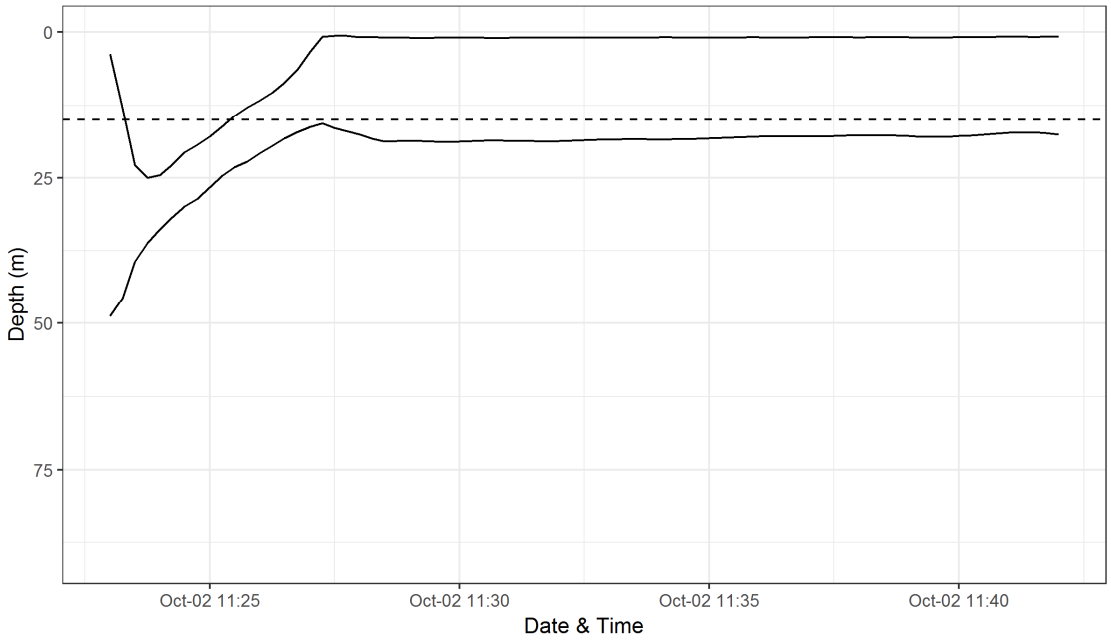
Mean vertical net opening: 9.9



Purpose: net

Event 13 LFS 7742

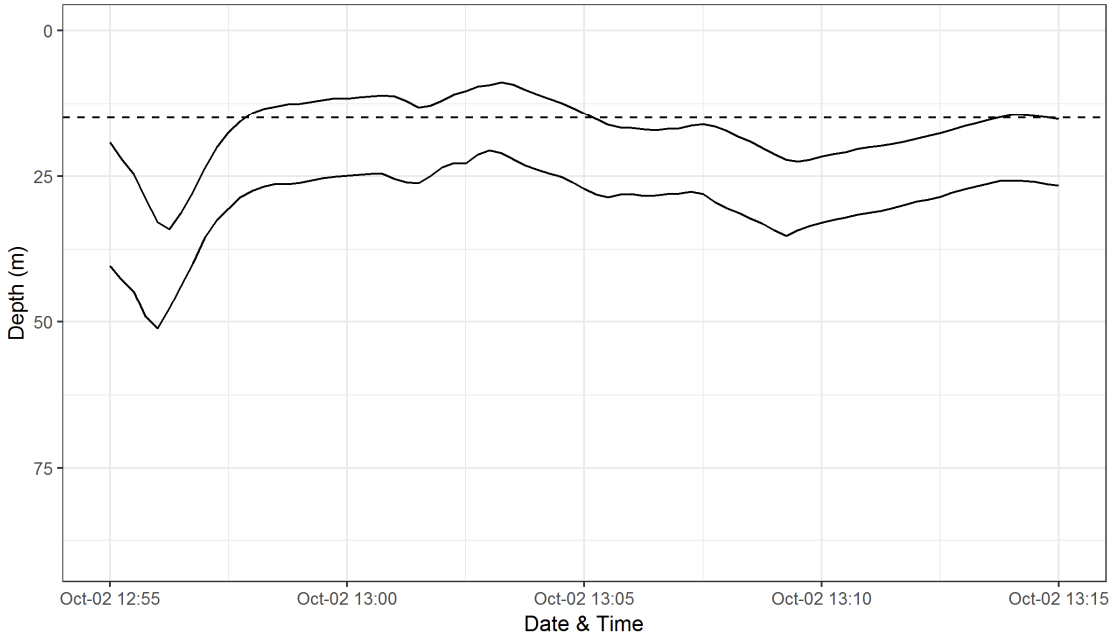
Mean vertical net opening: 16.4



Purpose: net

Event 14 LFS 7742

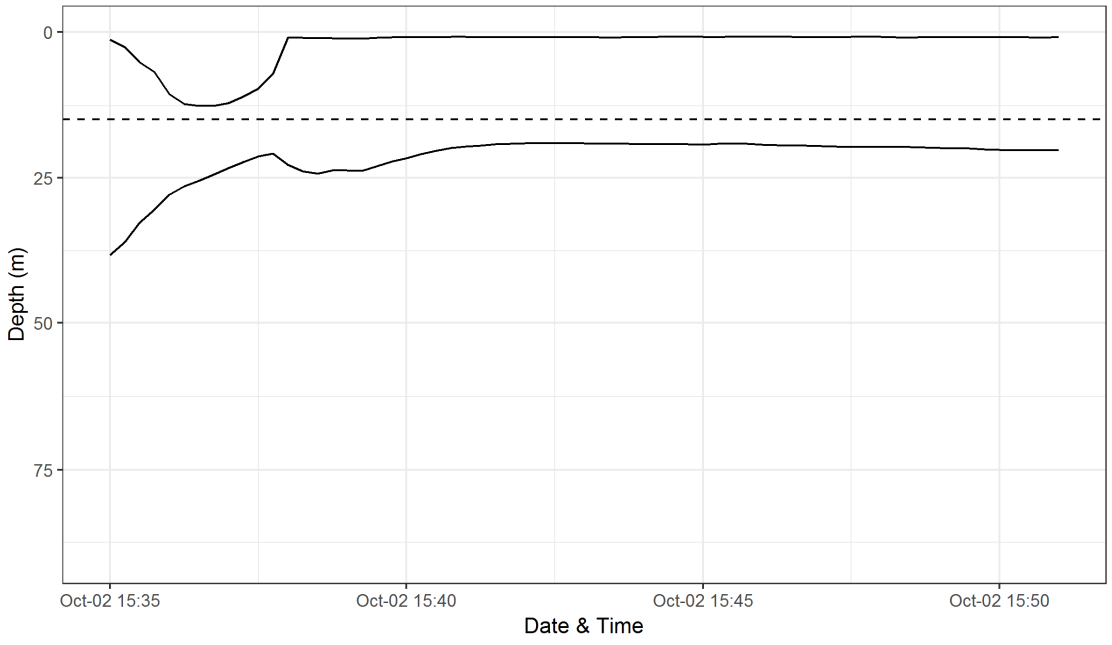
Mean vertical net opening: 12.7



Purpose: lost

Event 15 LFS 7742

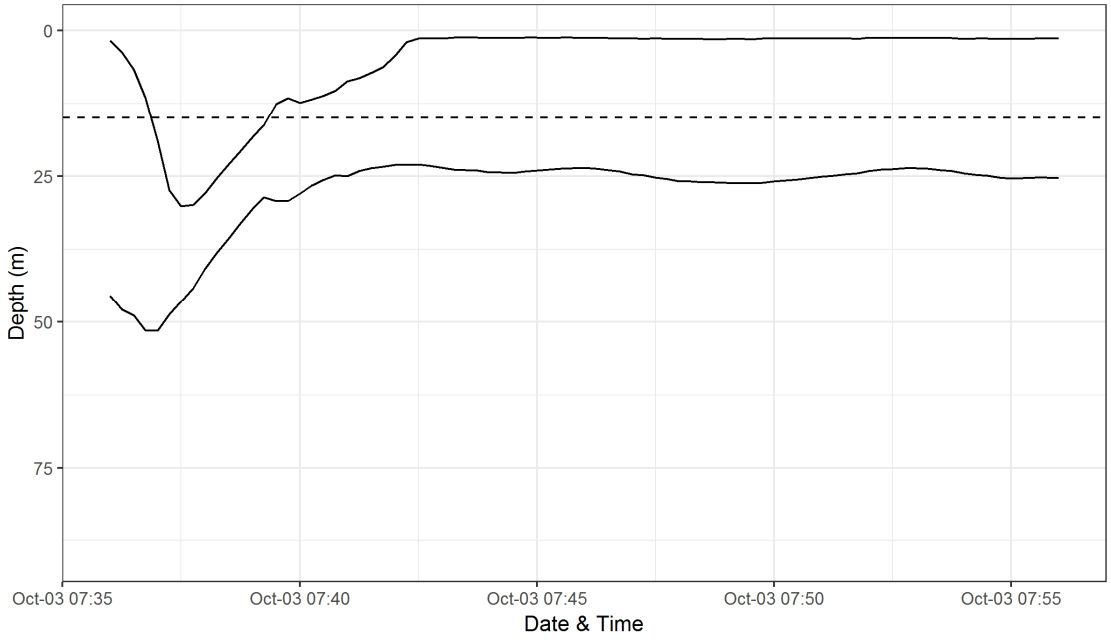
Mean vertical net opening: 19.3



Purpose: lost

Event 16 Cantrawl 250

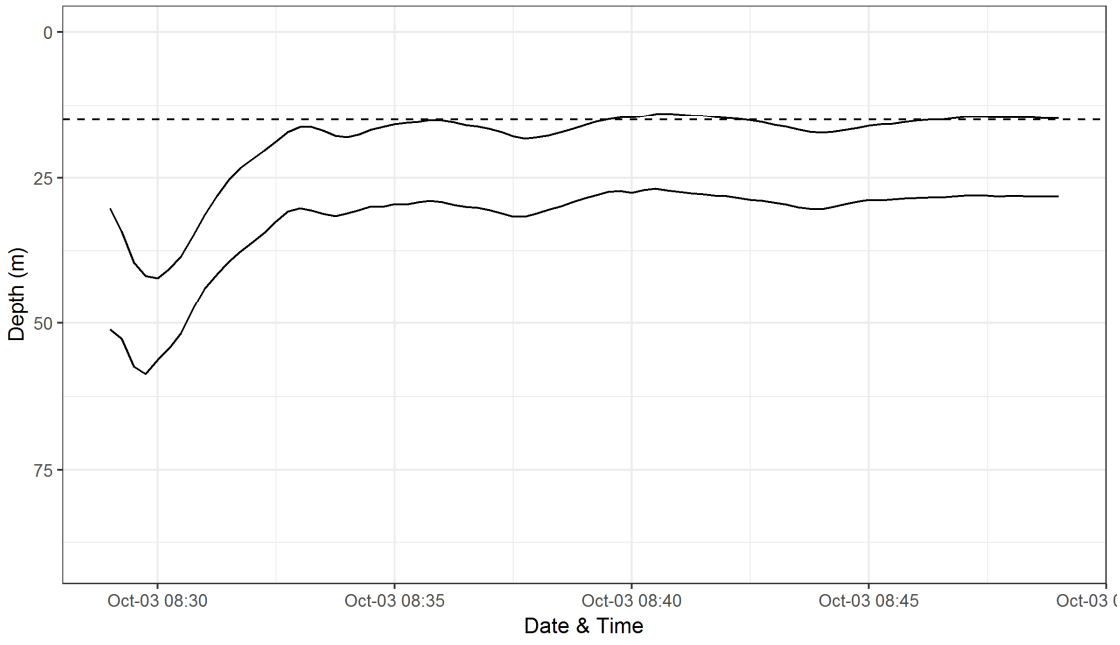
Mean vertical net opening: 22.4



Purpose: catch

Event 17 Cantrawl 250

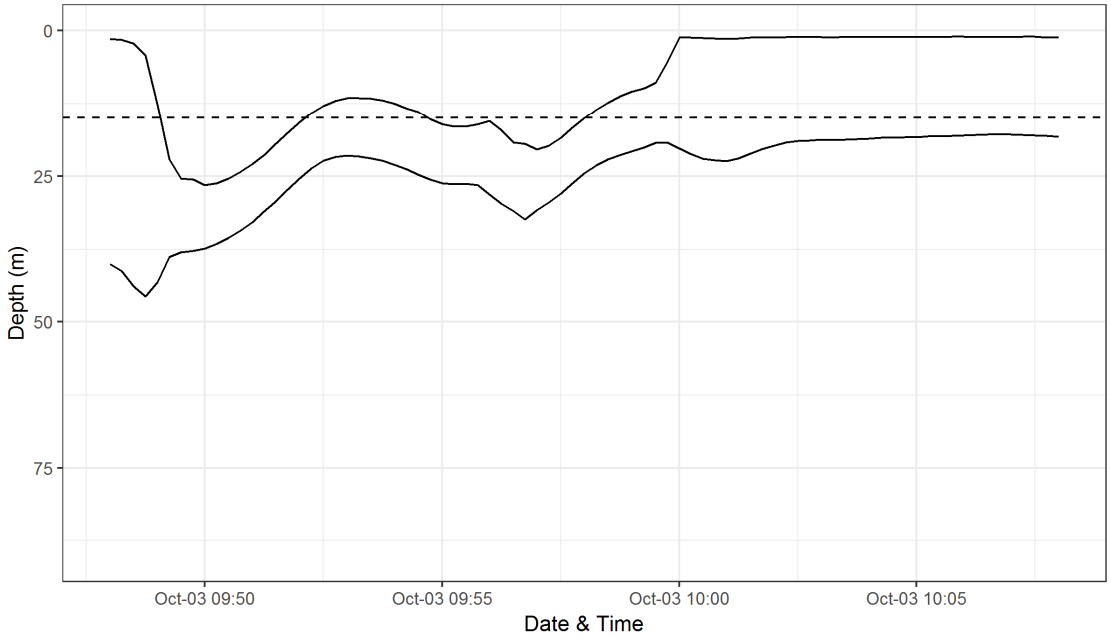
Mean vertical net opening: 13.7



Purpose: catch

Event 18 LFS 7742

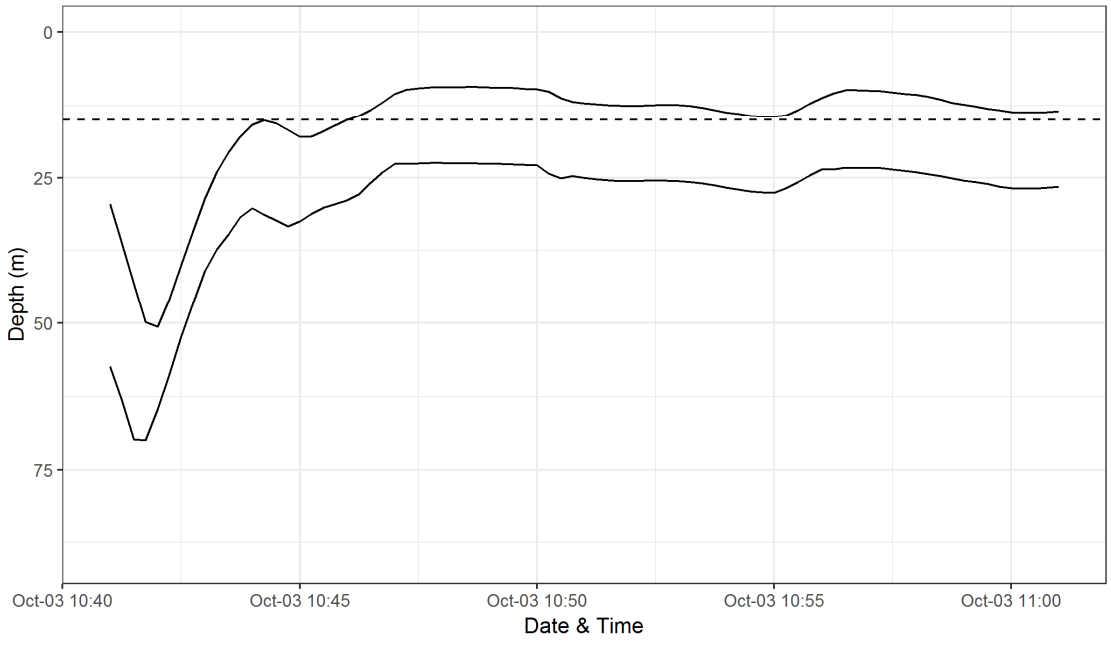
Mean vertical net opening: 15.3



Purpose: catch

Event 19 LFS 7742

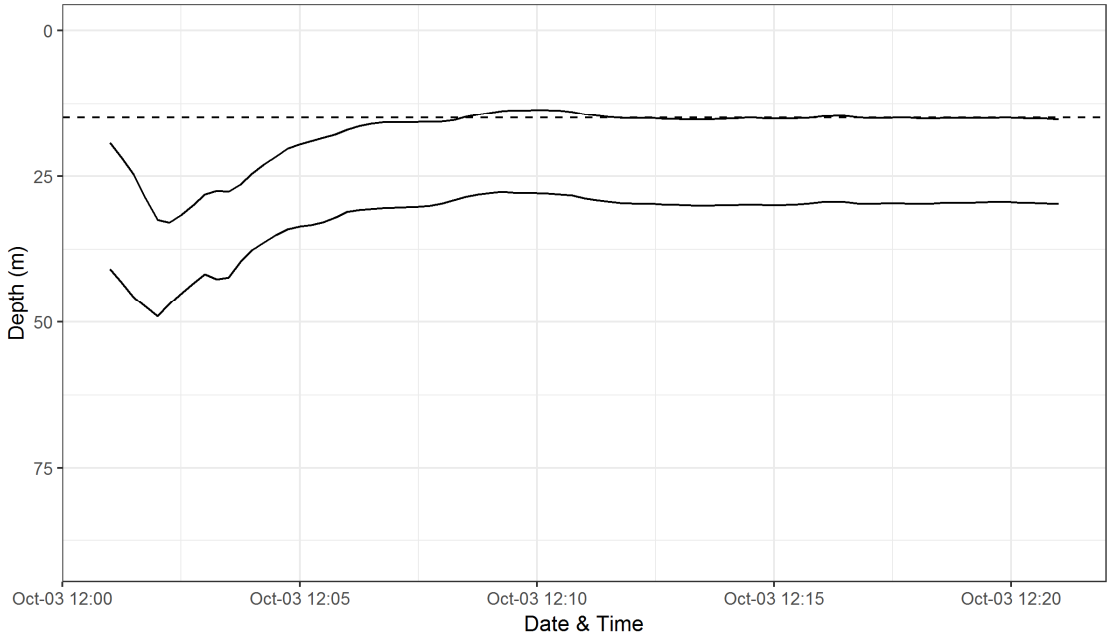
Mean vertical net opening: 13.9



Purpose: catch

Event 20 Cantrawl 250

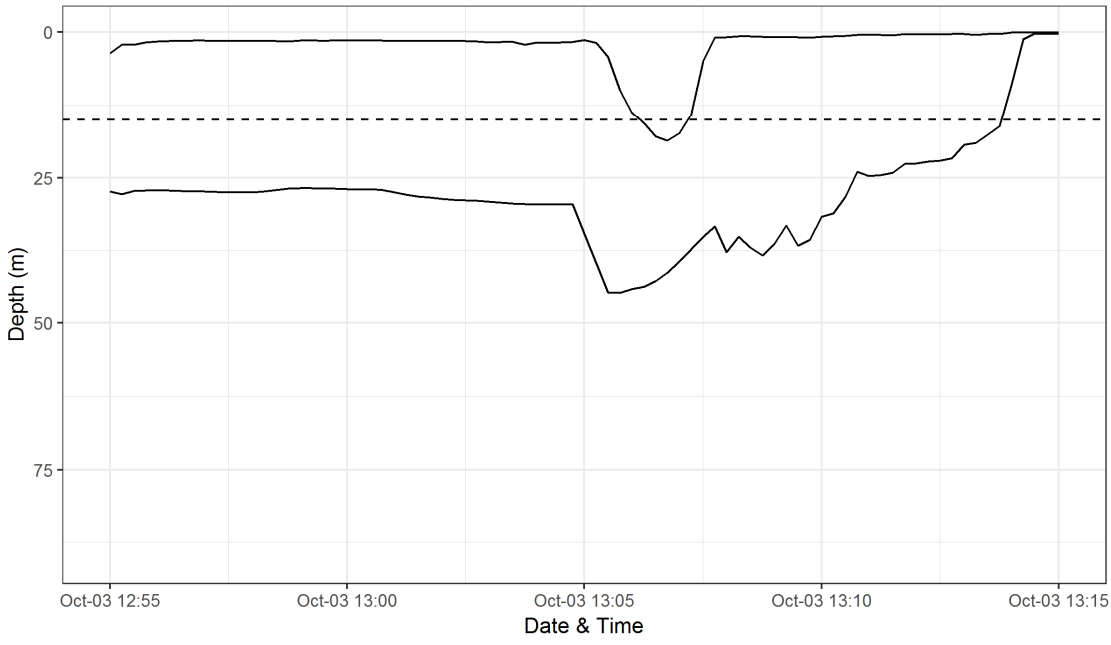
Mean vertical net opening: 14.7



Purpose: catch

Event 21 Cantrawl 250

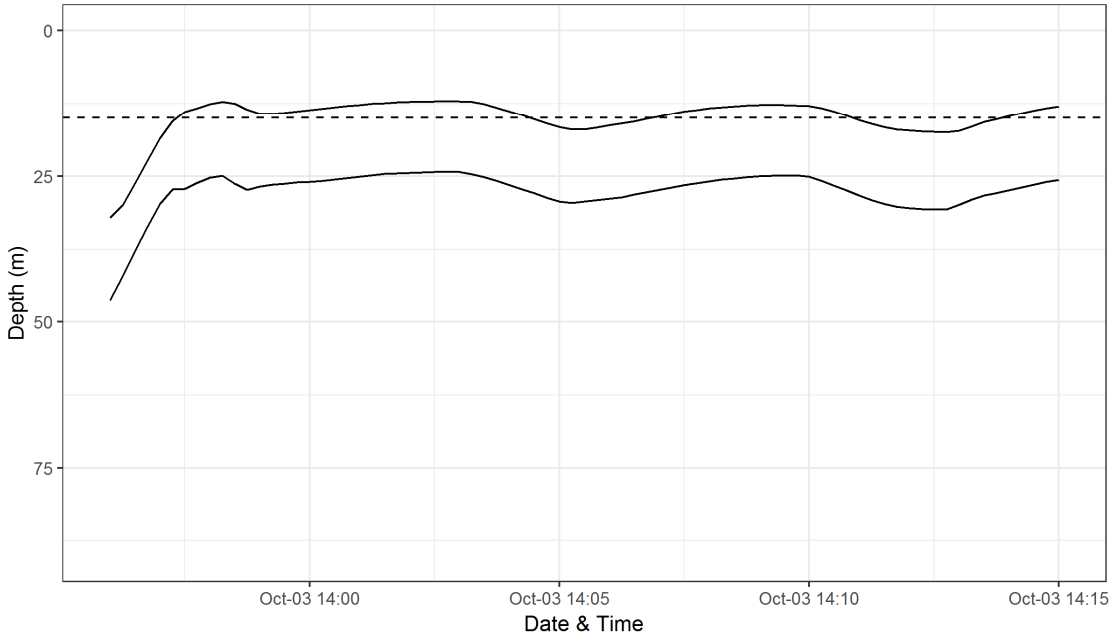
Mean vertical net opening: 25.5



Purpose: catch

Event 22 LFS 7742

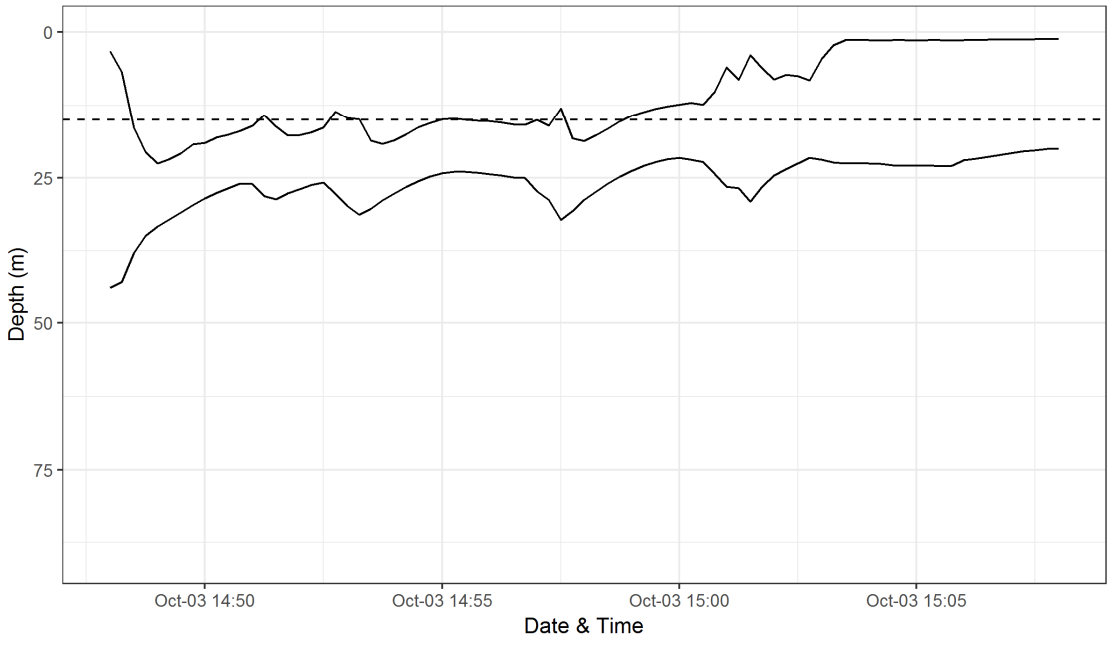
Mean vertical net opening: 12.5



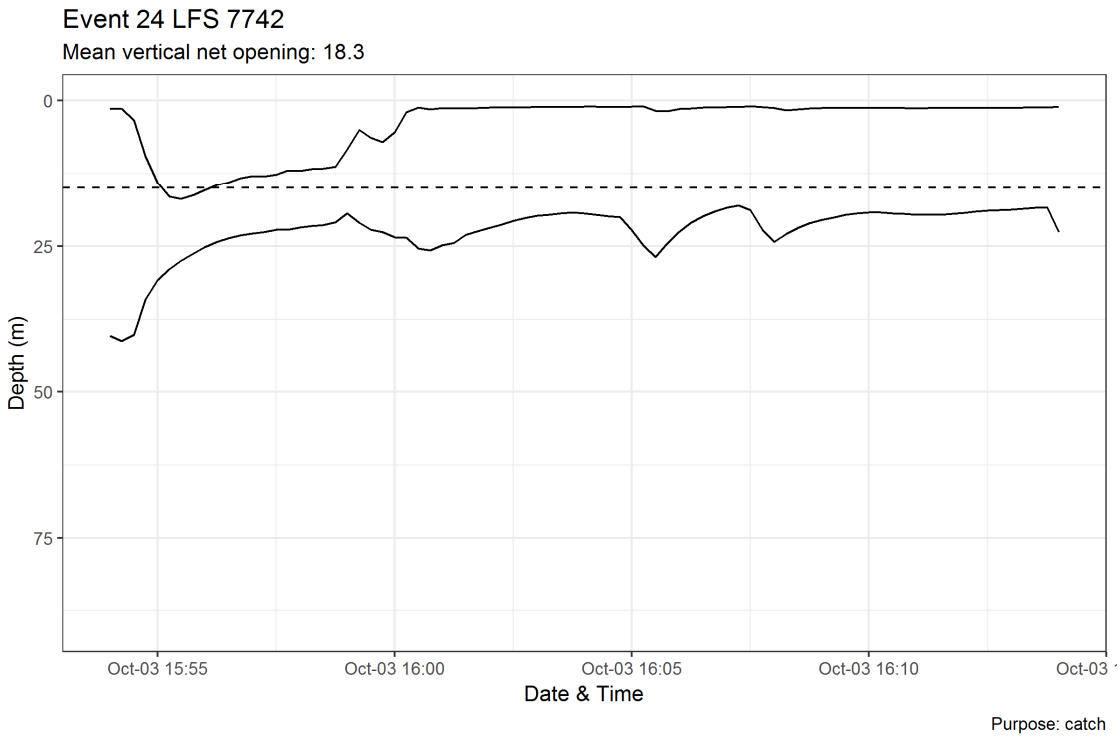
Purpose: catch

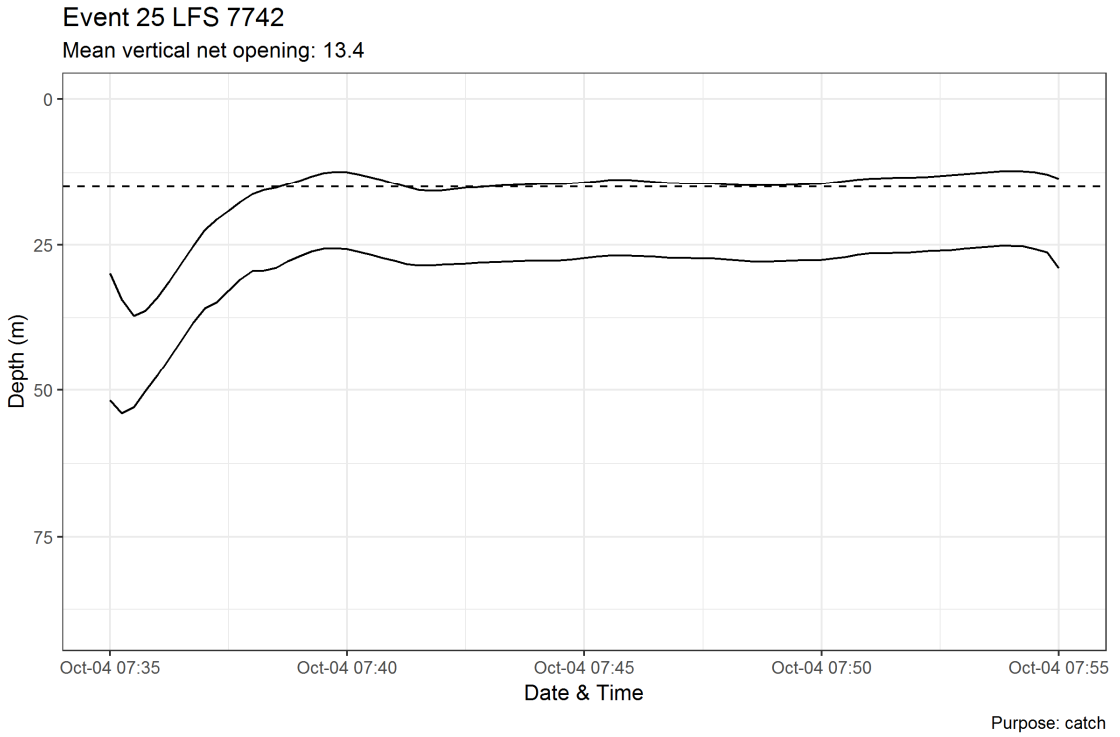
Event 23 LFS 7742

Mean vertical net opening: 14.7



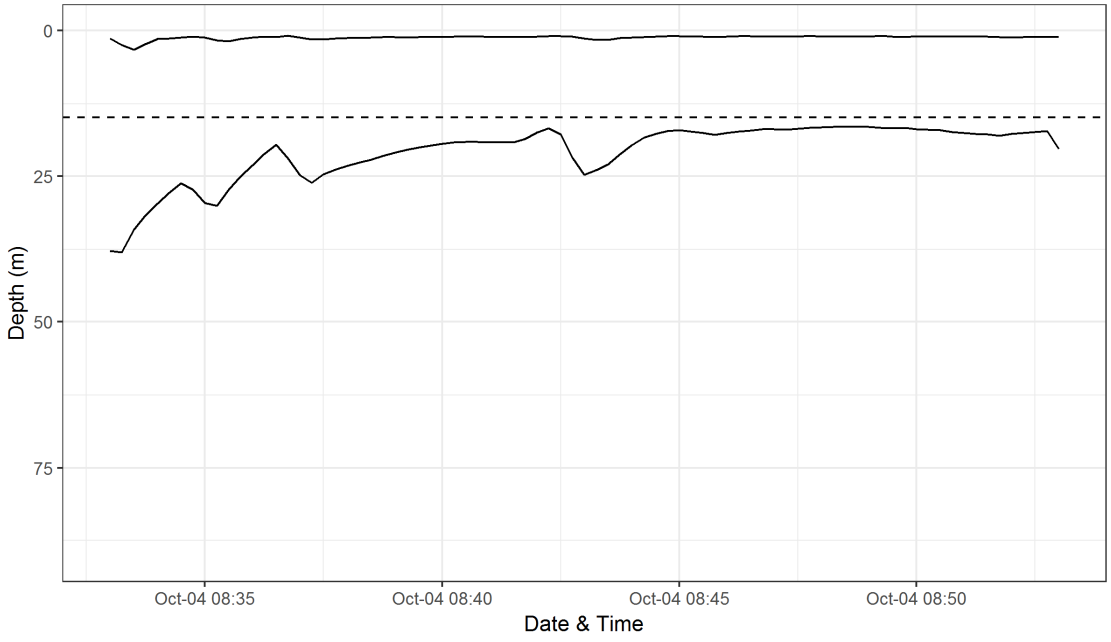
Purpose: lost


Event 24 LFS 7742
Mean vertical net opening: 18.3
0
25
50
75
Depth (m)
Oct-03 15:55
Oct-03 16:00
Oct-03 16:05
Oct-03 16:10
Date & Time
Purpose: catch


Event 25 LFS 7742
Mean vertical net opening: 13.4
0
25
50
75
Depth (m)
Oct-04 07:35
Oct-04 07:40
Oct-04 07:45
Oct-04 07:50
Oct-04 07:55
Date & Time
Purpose: catch

Event 26 LFS 7742

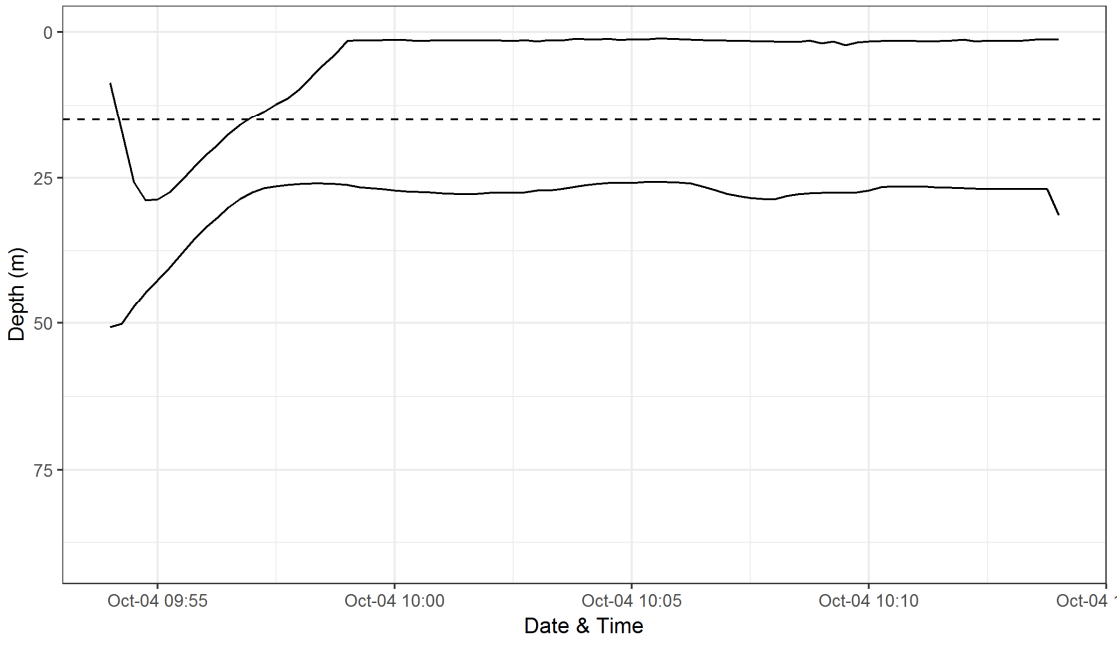
Mean vertical net opening: 19.7



Purpose: catch

Event 27 Cantrawl 250

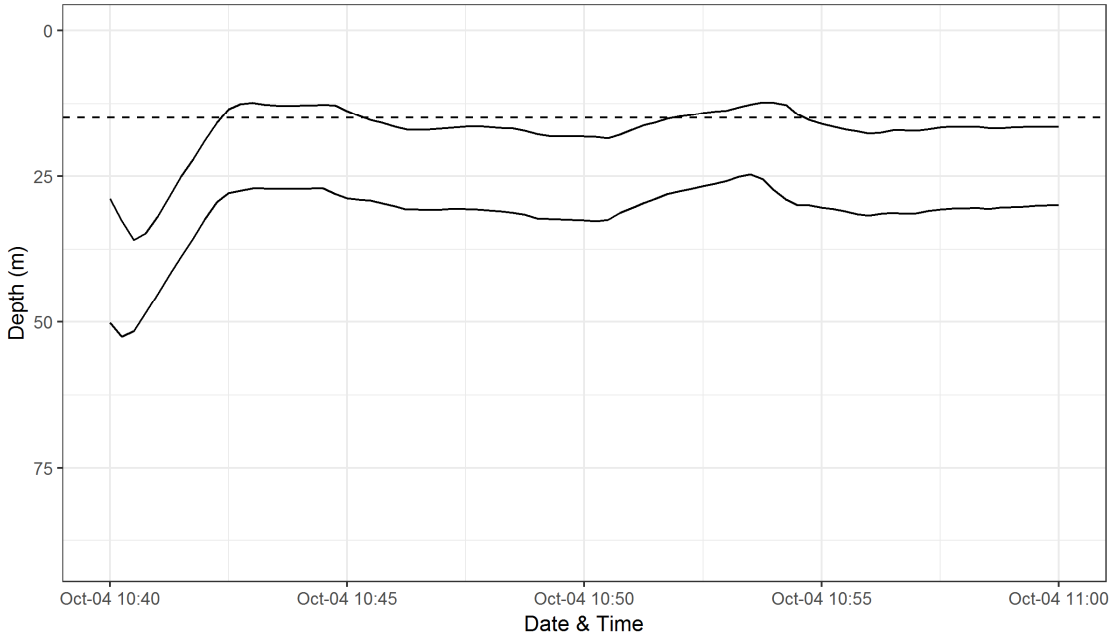
Mean vertical net opening: 23.6



Purpose: catch

Event 28 Cantrawl 250

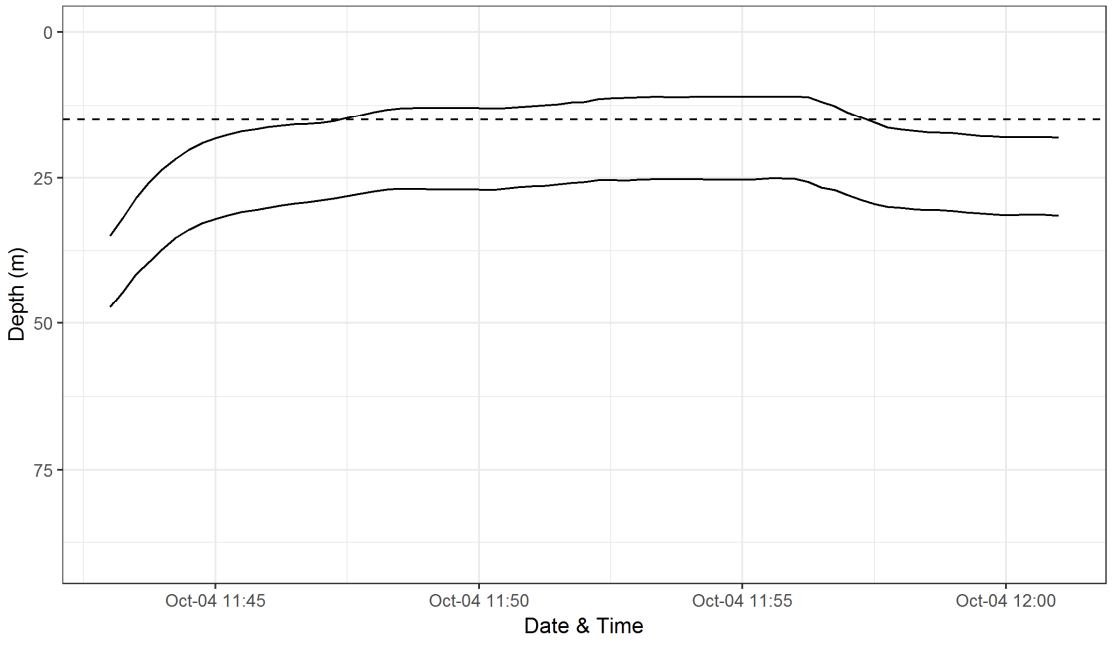
Mean vertical net opening: 14.1



Purpose: catch

Event 29 Cantrawl 250

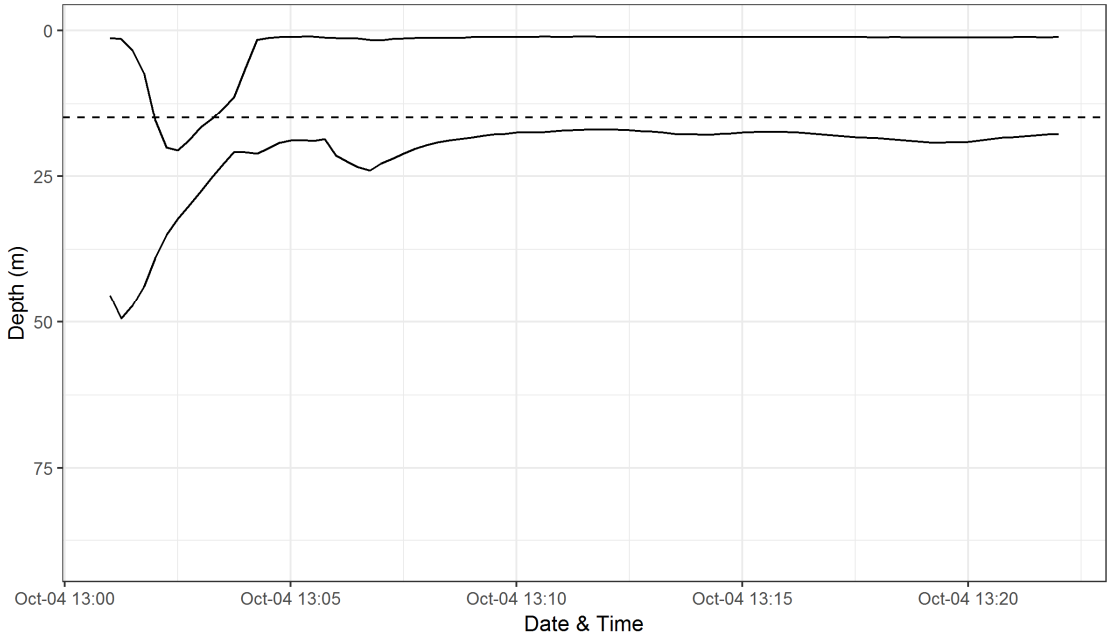
Mean vertical net opening: 13.8



Purpose: catch

Event 30 LFS 7742

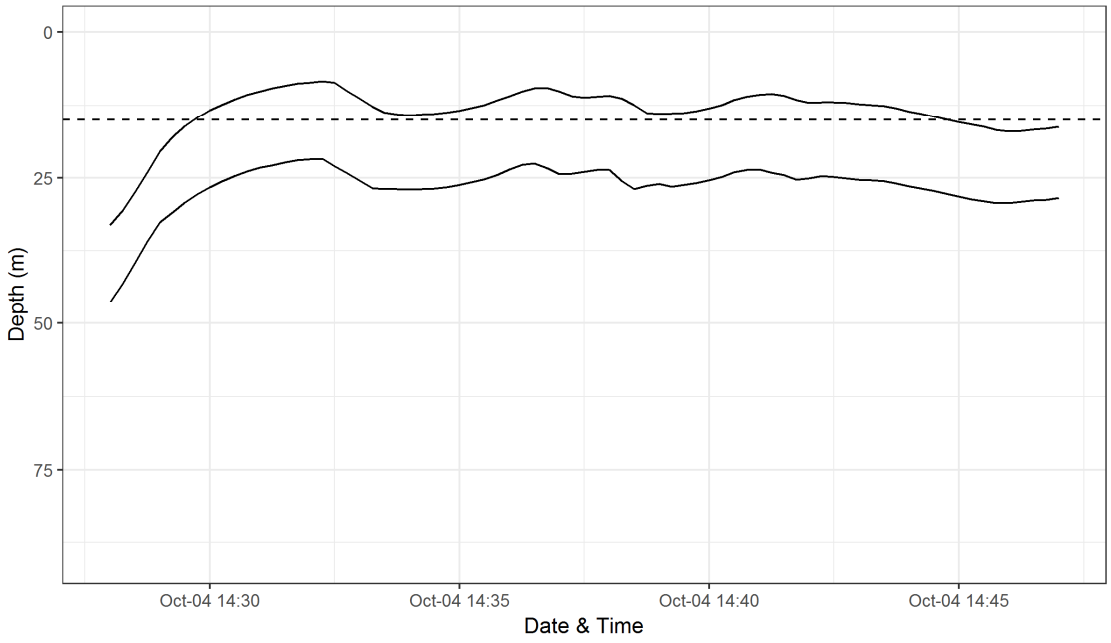
Mean vertical net opening: 18.2



Purpose: catch

Event 31 LFS 7742

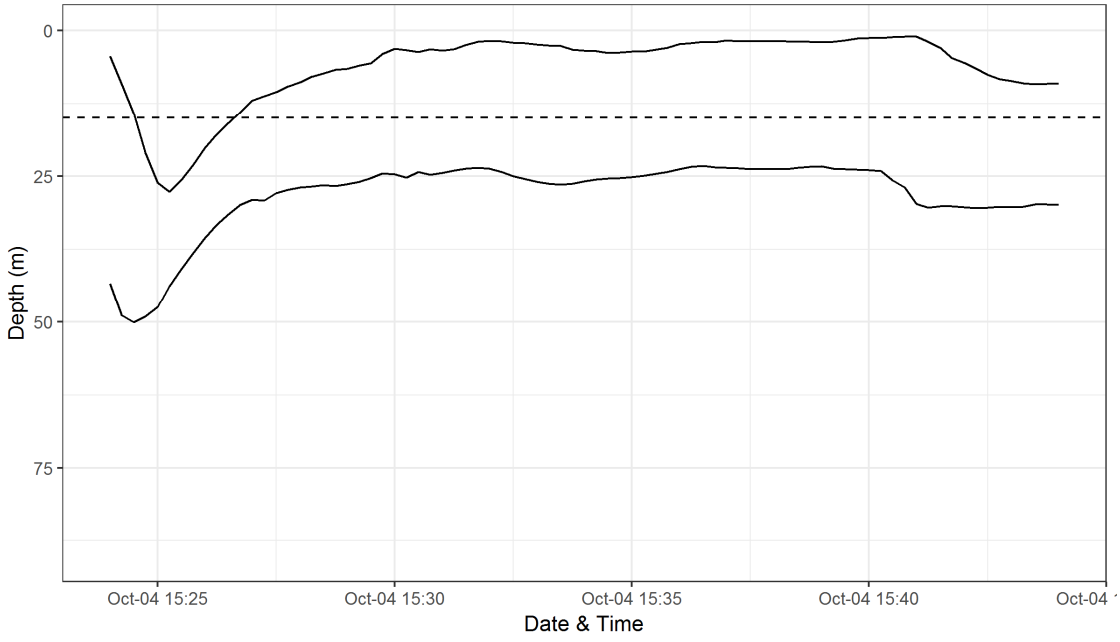
Mean vertical net opening: 13



Purpose: catch

Event 32 Cantrawl 250

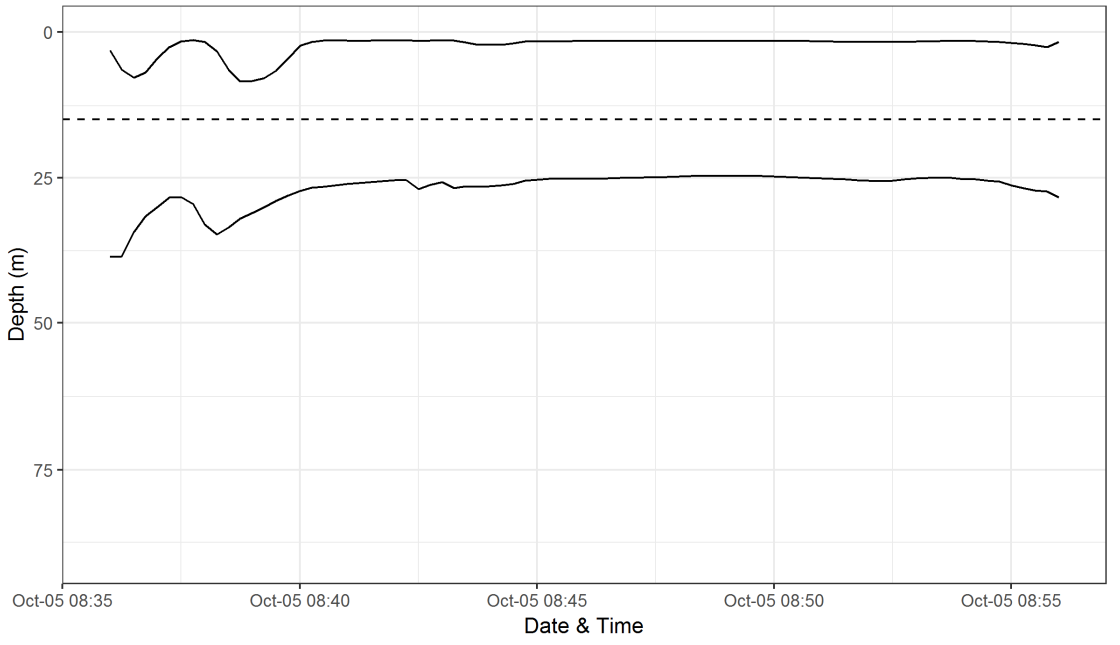
Mean vertical net opening: 22



Purpose: catch

Event 33 Cantrawl 250

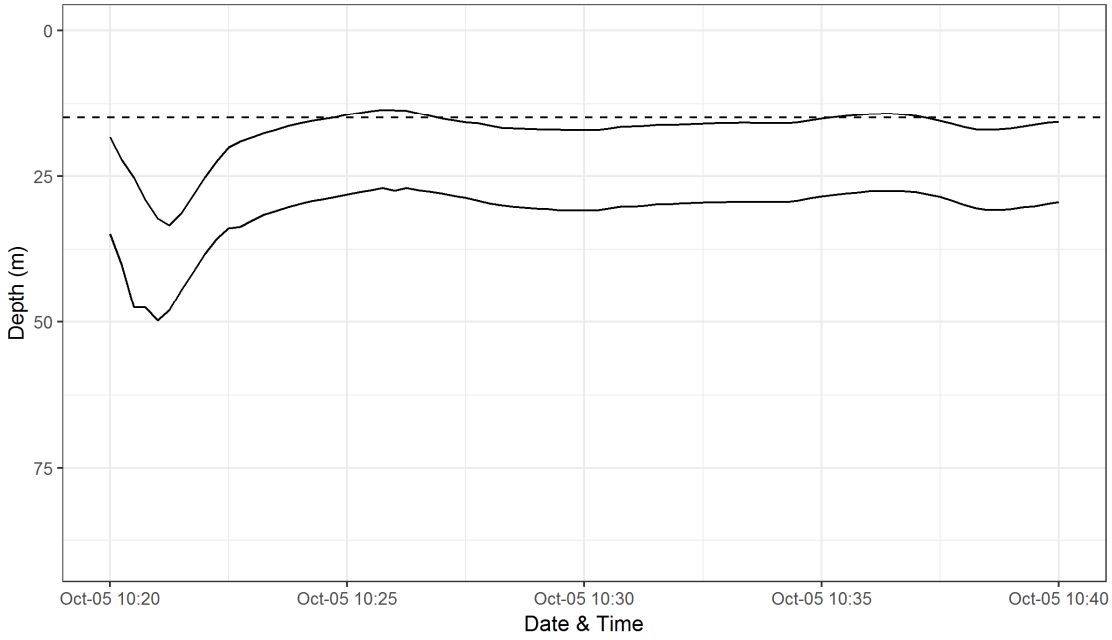
Mean vertical net opening: 24.5



Purpose: catch

Event 34 Cantrawl 250

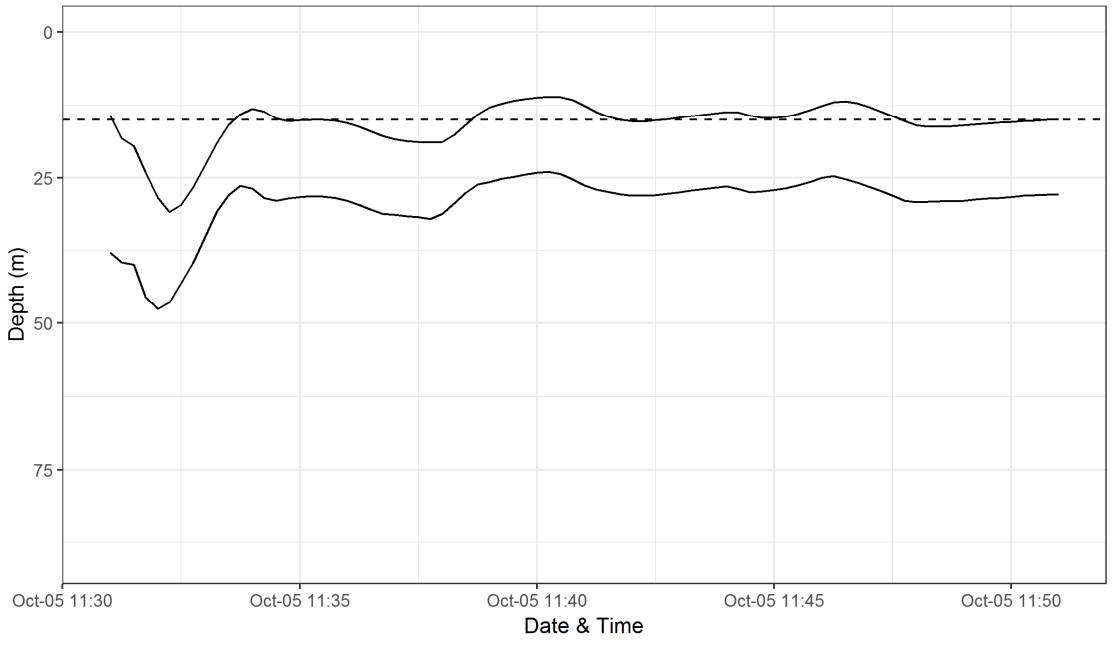
Mean vertical net opening: 13.8



Purpose: catch

Event 35 LFS 7742

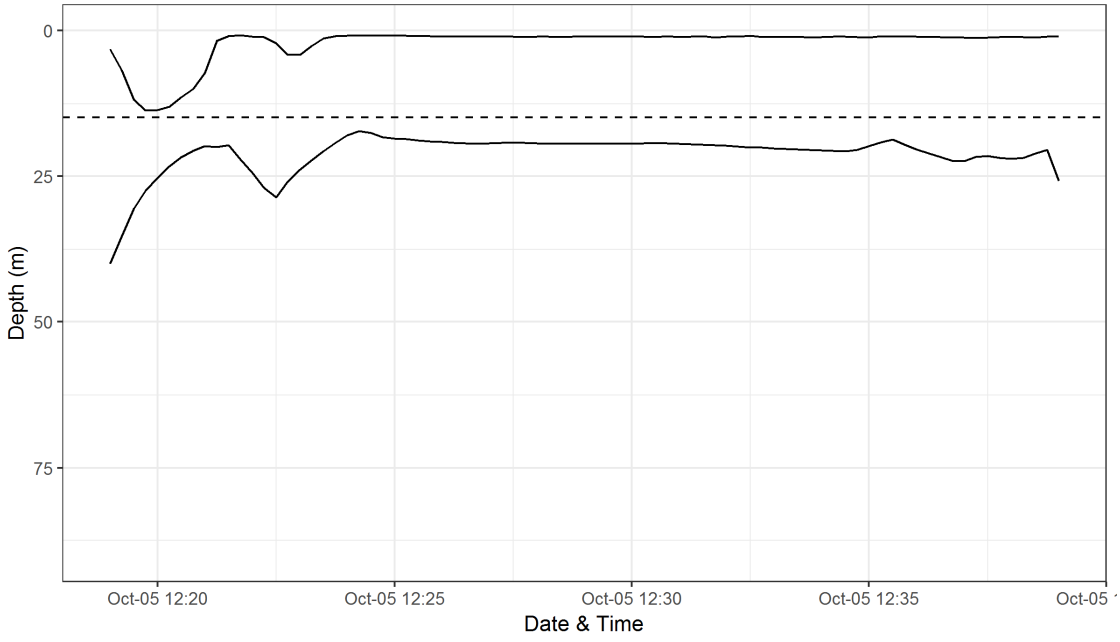
Mean vertical net opening: 13.5



Purpose: catch

Event 36 LFS 7742

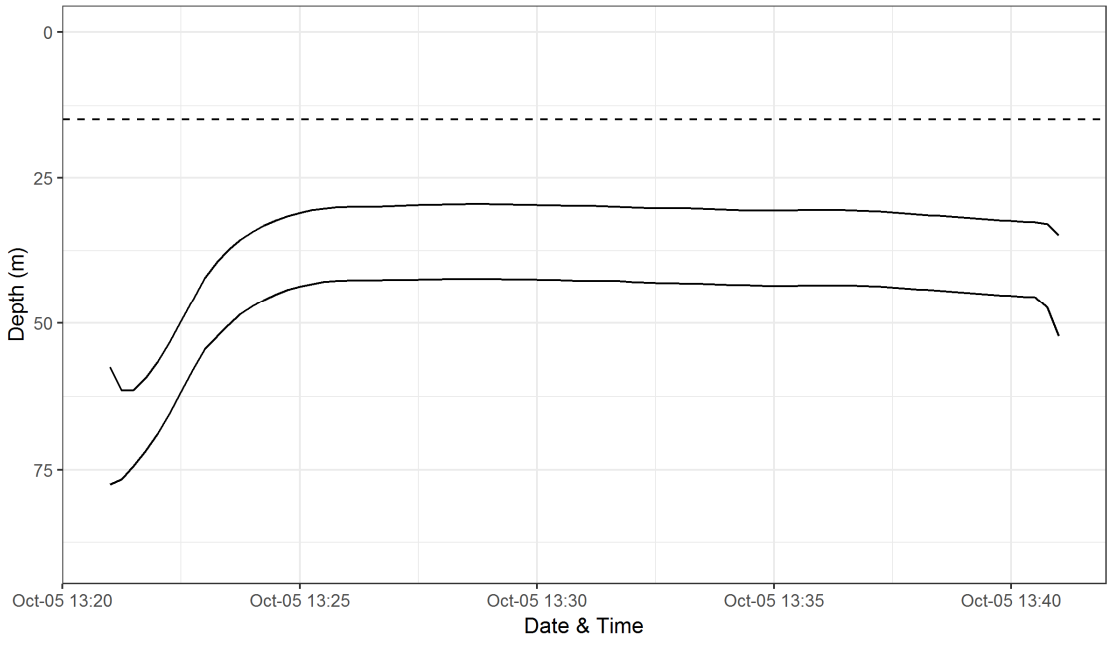
Mean vertical net opening: 19.1



Purpose: catch

Event 37 LFS 7742

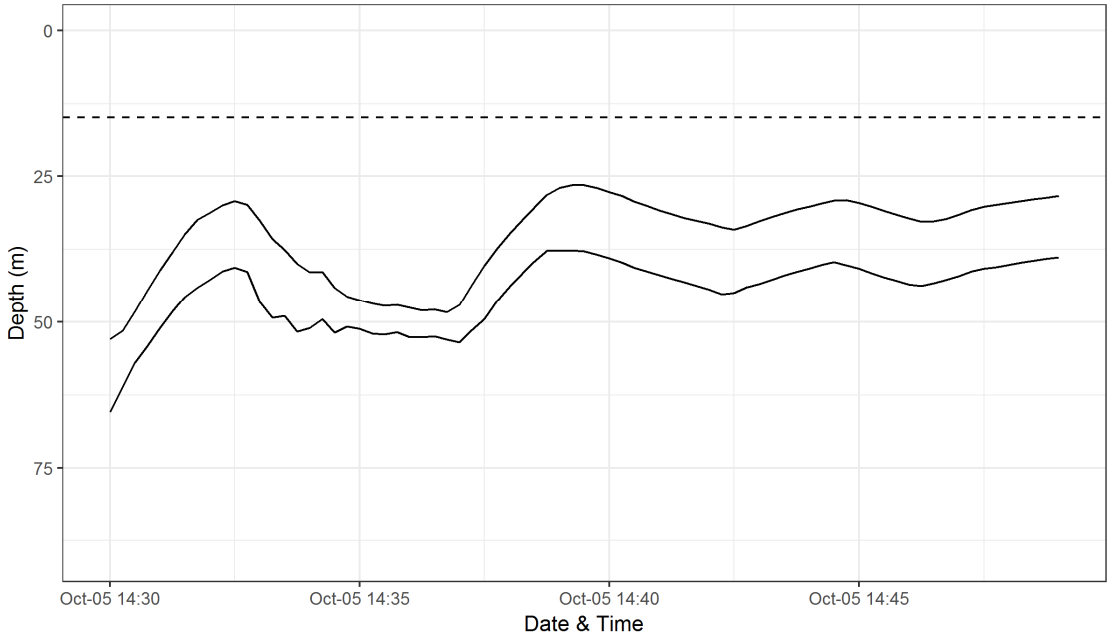
Mean vertical net opening: 13



Purpose: net

Event 38 Cantrawl 250

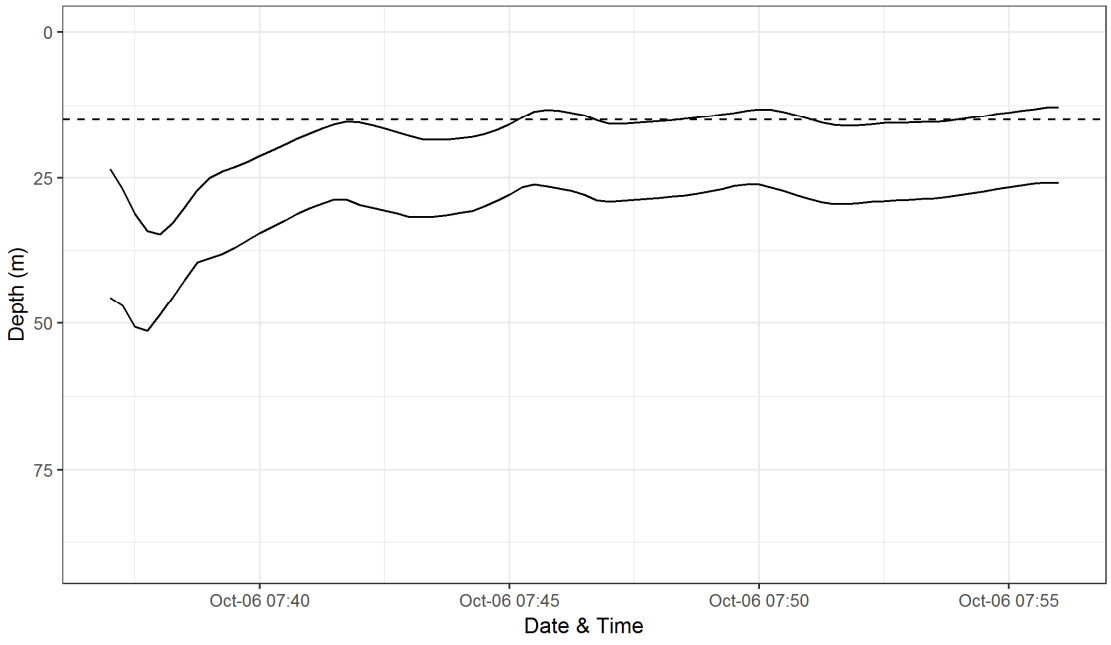
Mean vertical net opening: 9.9



Purpose: net

Event 39 LFS 7742

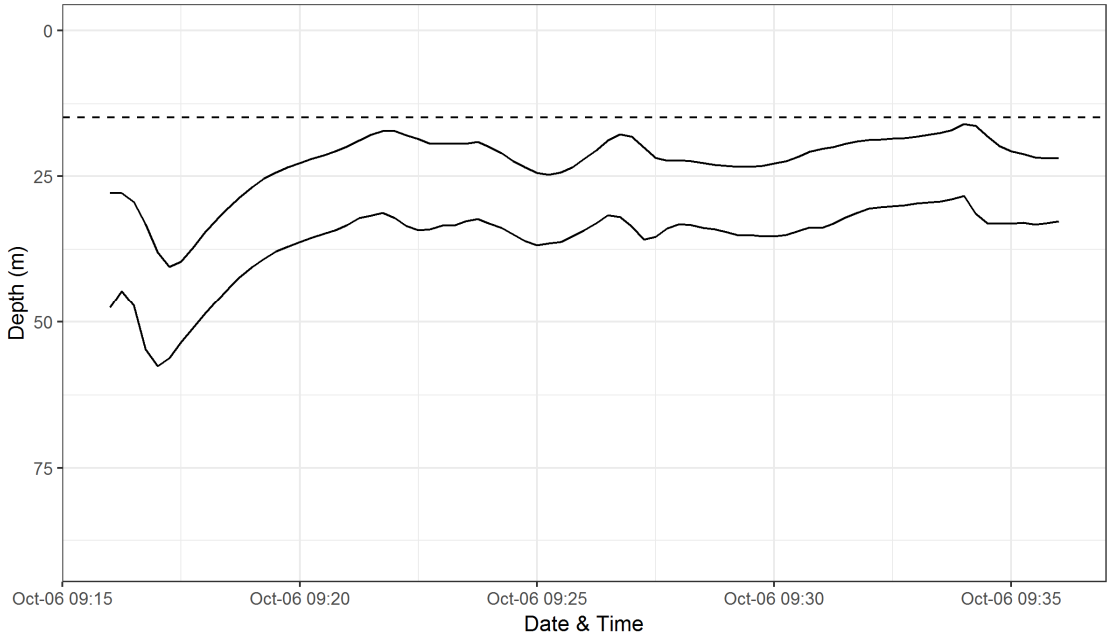
Mean vertical net opening: 13.5



Purpose: catch

Event 40 Cantrawl 250

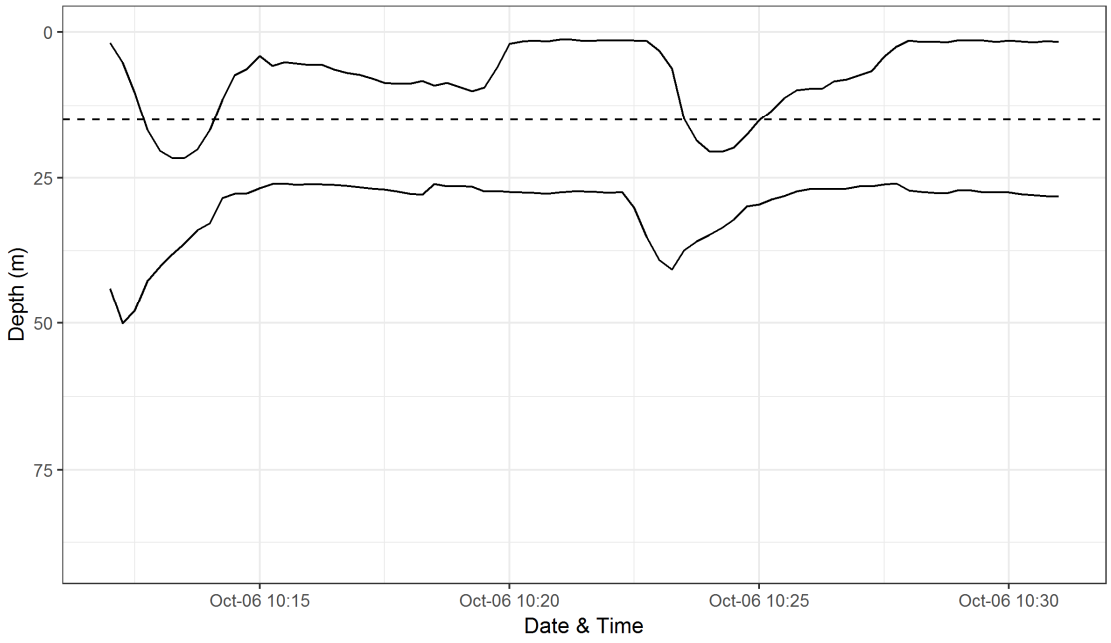
Mean vertical net opening: 13.2



Purpose: catch

Event 41 Cantrawl 250

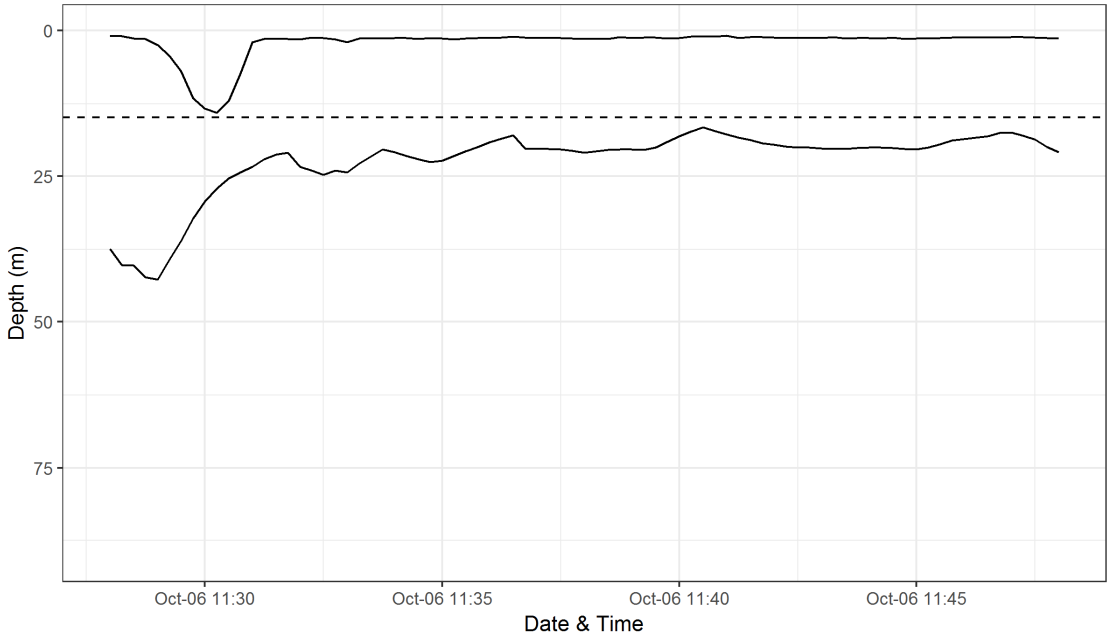
Mean vertical net opening: 22.3



Purpose: catch

Event 42 LFS 7742

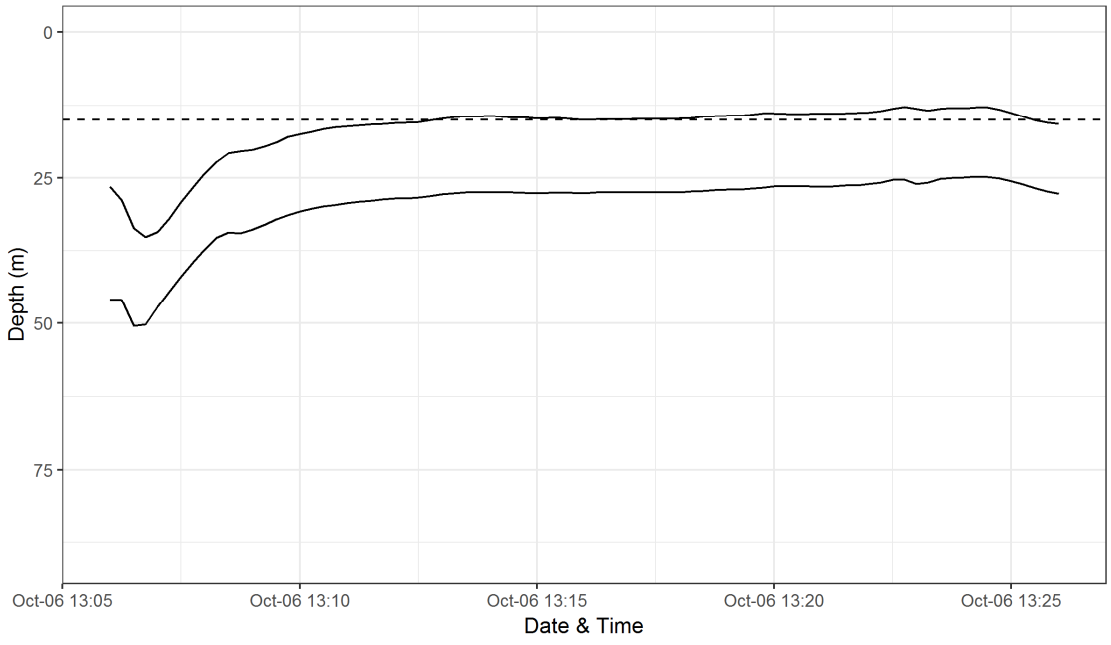
Mean vertical net opening: 20.4



Purpose: catch

Event 43 Cantrawl 250

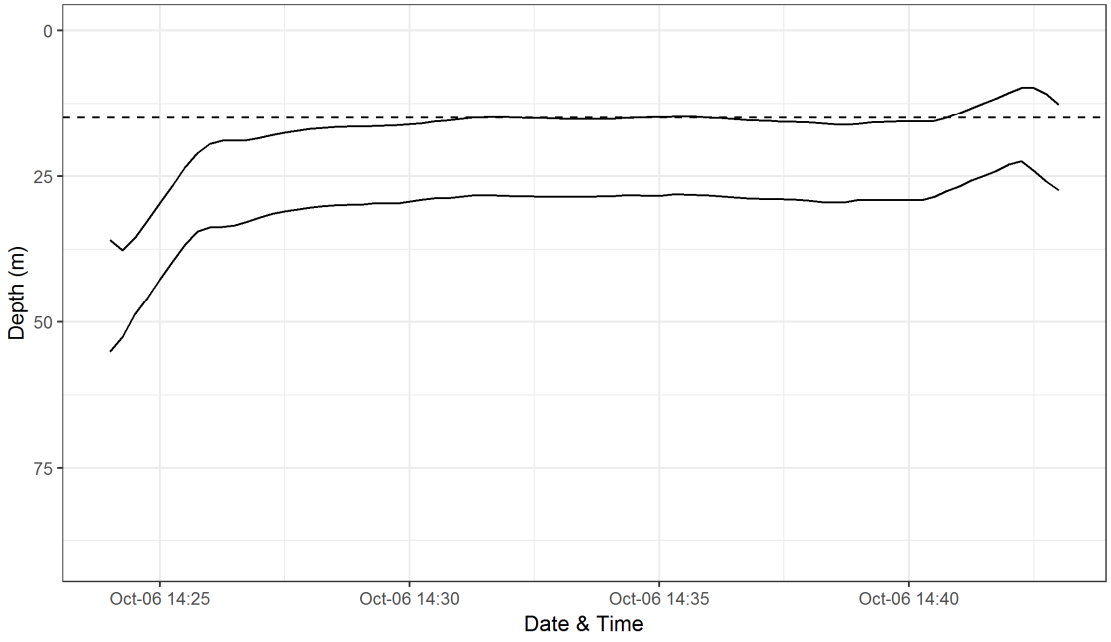
Mean vertical net opening: 12.9



Purpose: catch

Event 44 LFS 7742

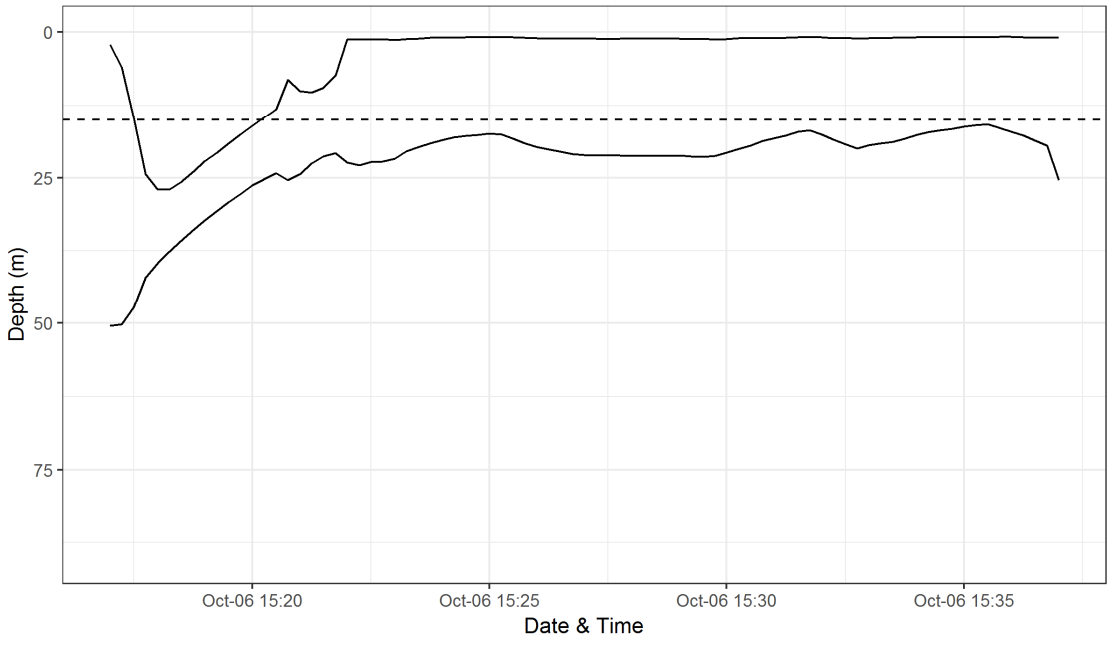
Mean vertical net opening: 13.4



Purpose: catch

Event 45 LFS 7742

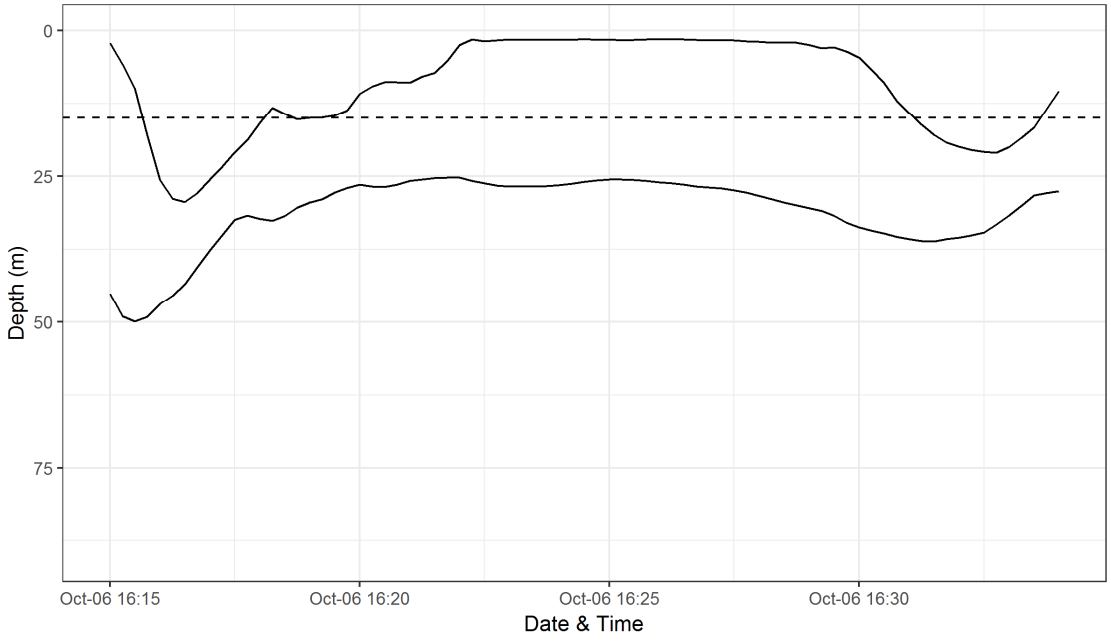
Mean vertical net opening: 17.9



Purpose: catch

Event 46 Cantrawl 250

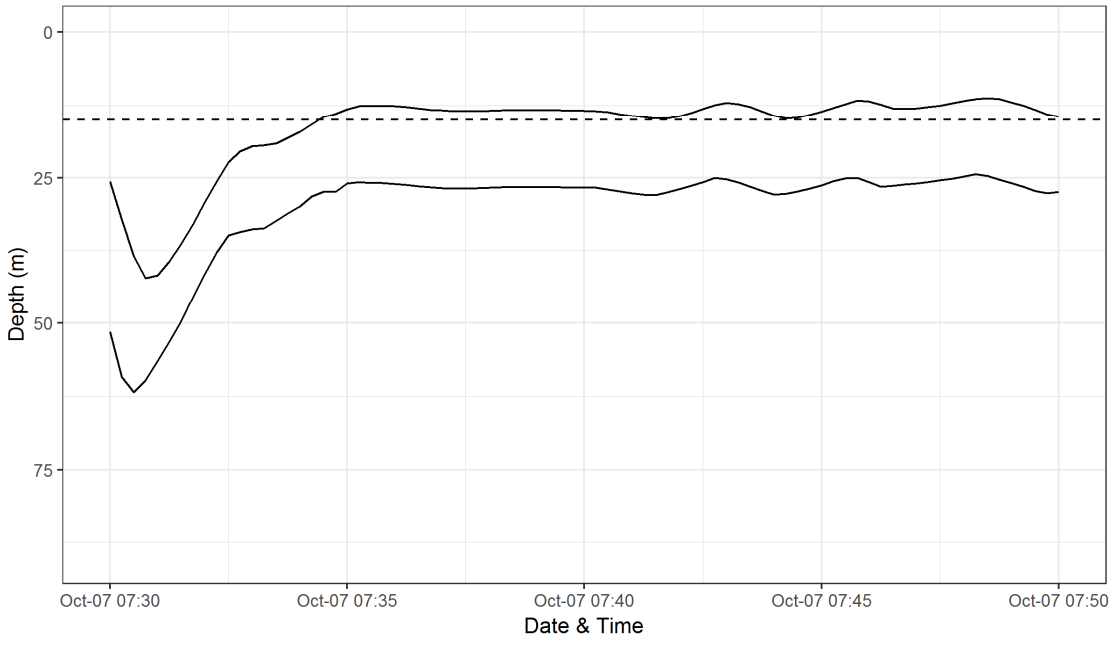
Mean vertical net opening: 21.5



Purpose: catch

Event 47 LFS 7742

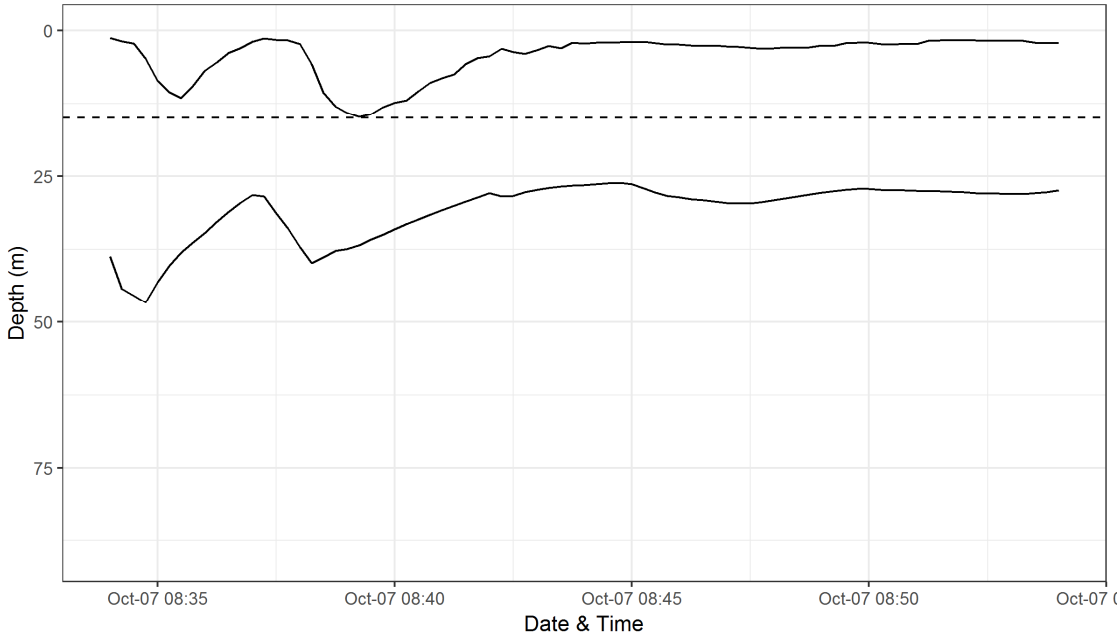
Mean vertical net opening: 13.7



Purpose: catch

Event 48 Cantrawl 250

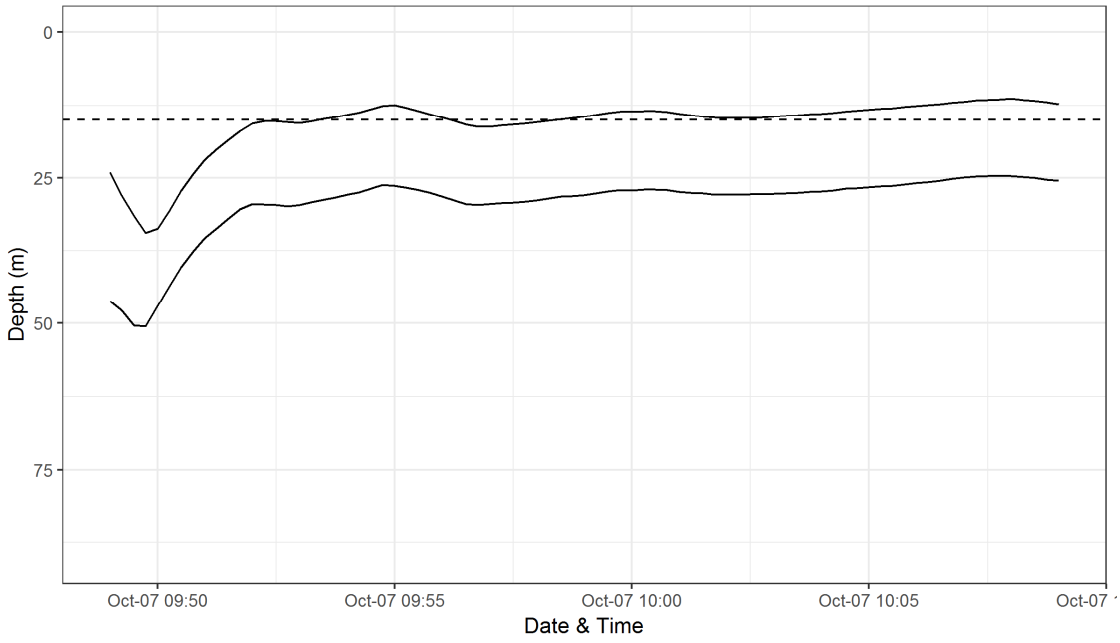
Mean vertical net opening: 26.5



Purpose: catch

Event 49 Cantrawl 250

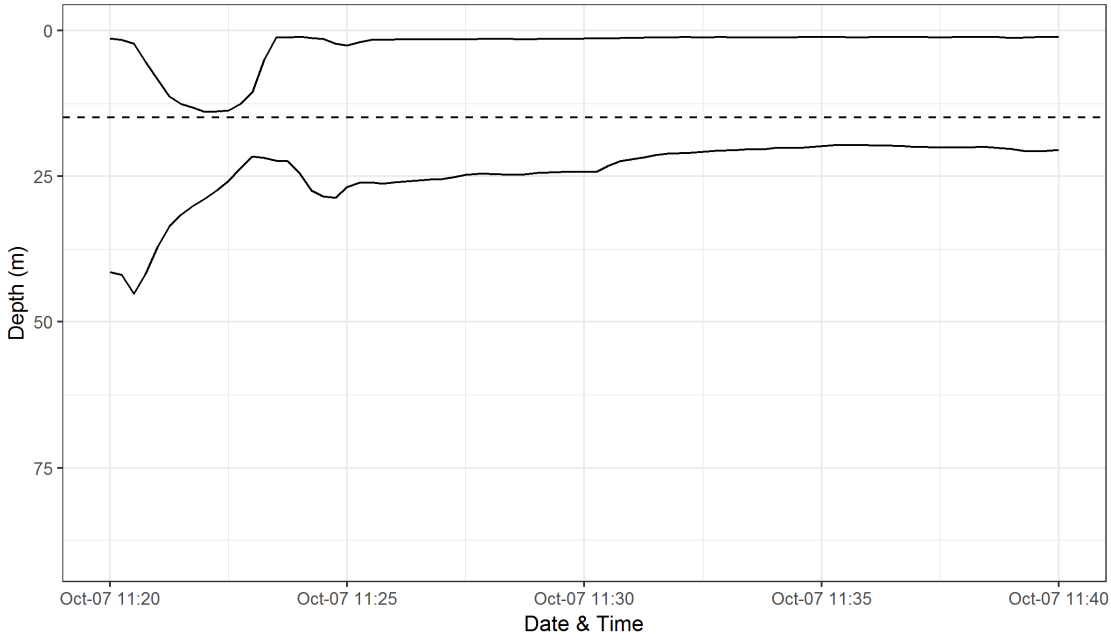
Mean vertical net opening: 13.7



Purpose: catch

Event 50 LFS 7742

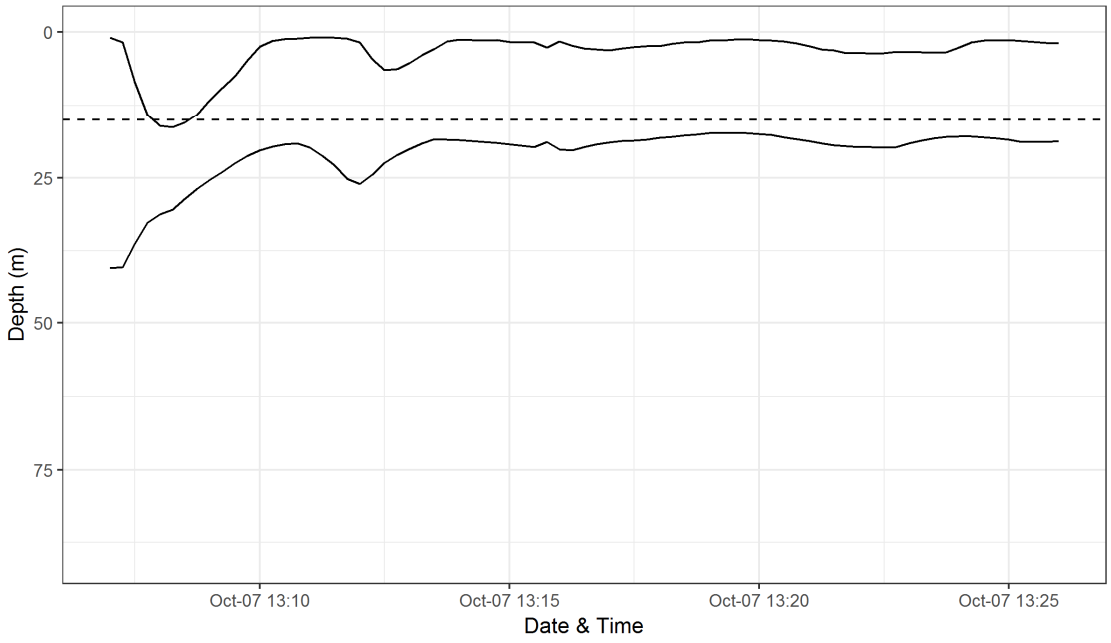
Mean vertical net opening: 21.6



Purpose: catch

Event 51 LFS 7742

Mean vertical net opening: 17.4



Purpose: net

Appendix 3. Biological data including abundance (count) and biomass (in kg) per tow from the catch composition transects on the FV Sea Crest from October 1-7, 2018. CPUE was calculated as count or biomass by kilometer^3 of swept volume.

Event	Station	Net	Depth	Species	Count	Count CPUE	Biomass	Biomass CPUE
16	SNA01	Cantrawl	0	CHINOOK	8	3642	0.2	91
16	SNA01	Cantrawl	0	CHUM	97	44162	9.76	4443
16	SNA01	Cantrawl	0	COHO	28	12748	6.25	2845
16	SNA01	Cantrawl	0	PINK	34	15479	3.08	1402
16	SNA01	Cantrawl	0	SOCKEYE	10	4553	0.263	120
17	SNA02	Cantrawl	15	CHINOOK	8	5361	0.56	375
17	SNA02	Cantrawl	15	CHUM	4	2681	0.4	268
17	SNA02	Cantrawl	15	COHO	29	19434	6.1	4088
18	SNA03	LFS	0	CHINOOK	11	6221	0.24	136
18	SNA03	LFS	0	CHUM	21	11877	2.22	1256
18	SNA03	LFS	0	COHO	1	566	0.21	119
18	SNA03	LFS	0	PINK	5	2828	0.44	249
18	SNA03	LFS	0	SOCKEYE	12	6787	0.29	164
19	SNA04	LFS	15	CHINOOK	9	5061	0.2	112
19	SNA04	LFS	15	CHUM	6	3374	0.58	326
19	SNA04	LFS	15	COHO	2	1125	0.4	225
19	SNA04	LFS	15	SOCKEYE	9	5061	0.24	135
20	HALI01	Cantrawl	15	CHINOOK	18	13409	0.44	328
20	HALI01	Cantrawl	15	CHUM	2	1490	0.24	179
20	HALI01	Cantrawl	15	COHO	1	745	0.23	171
21	HALI02	Cantrawl	0	CHINOOK	45	19139	1.1	468
21	HALI02	Cantrawl	0	CHUM	9	3828	0.87	370
21	HALI02	Cantrawl	0	COHO	13	5529	2.32	987
21	HALI02	Cantrawl	0	PINK	1	425	0.11	47
21	HALI02	Cantrawl	0	SOCKEYE	17	7230	0.37	157
22	HALI03	LFS	15	CHUM	2	1315	0.22	145
22	HALI03	LFS	15	COHO	47	30905	10.95	7200
22	HALI03	LFS	15	PINK	1	658	0.1	66
24	HALI05	LFS	0	CHUM	61	29681	5.77	2808
24	HALI05	LFS	0	COHO	21	10218	4.98	2423
24	HALI05	LFS	0	PINK	35	17030	3.42	1664
25	GAB01	LFS	15	COHO	42	22106	10.13	5332
25	GAB01	LFS	15	PINK	2	1053	0.201	106
26	GAB02	LFS	0	CHINOOK	36	18090	0.9	452
26	GAB02	LFS	0	COHO	27	13567	5.74	2884
26	GAB02	LFS	0	PINK	106	53265	1.19	598
26	GAB02	LFS	0	SOCKEYE	31	15577	0.76	382
27	GAB03	Cantrawl	0	CHINOOK	7	3292	0.201	95
27	GAB03	Cantrawl	0	COHO	6	2822	1.03	484
27	GAB03	Cantrawl	0	PINK	3	1411	0.13	61
28	GAB04	Cantrawl	15	CHINOOK	41	24745	9.4	5673
28	GAB04	Cantrawl	15	COHO	8	4828	1.3	785
28	GAB04	Cantrawl	15	SOCKEYE	1	604	0.023	14
29	BUR01	Cantrawl	15	CHINOOK	10	7410	0.3	222

Event	Station	Net	Depth	Species	Count	Count CPUE	Biomass	Biomass CPUE
29	BUR01	Cantrawl	15	CHUM	21	15562	2.31	1712
29	BUR01	Cantrawl	15	COHO	10	7410	1.82	1349
29	BUR01	Cantrawl	15	SOCKEYE	1	741	0.04	30
30	BUR02	LFS	0	CHINOOK	7	3102	1.96	869
30	BUR02	LFS	0	CHUM	451	199850	49.35	21868
30	BUR02	LFS	0	COHO	21	9306	5.66	2508
30	BUR02	LFS	0	PINK	48	21270	4.93	2185
30	BUR02	LFS	0	SOCKEYE	25	11078	0.65	288
31	BUR03	LFS	15	CHINOOK	1	614	0.023	14
31	BUR03	LFS	15	CHUM	18	11047	1.74	1068
31	BUR03	LFS	15	PINK	9	5524	0.78	479
32	BUR04	Cantrawl	0	CHINOOK	5	2557	0.34	174
32	BUR04	Cantrawl	0	CHUM	461	235720	44.36	22682
32	BUR04	Cantrawl	0	COHO	83	42440	20.3	10380
32	BUR04	Cantrawl	0	PINK	55	28123	5.52	2823
32	BUR04	Cantrawl	0	SOCKEYE	7	3579	0.22	112
33	GOW01	Cantrawl	0	CHINOOK	448	232135	11.24	5824
33	GOW01	Cantrawl	0	CHUM	198	102596	17.24	8933
33	GOW01	Cantrawl	0	COHO	16	8291	2.84	1472
33	GOW01	Cantrawl	0	PINK	1	518	0.1	52
33	GOW01	Cantrawl	0	SOCKEYE	180	93269	4.74	2456
34	GOW02	Cantrawl	15	CHINOOK	10	7504	0.2	150
34	GOW02	Cantrawl	15	CHUM	6	4503	0.52	390
34	GOW02	Cantrawl	15	SOCKEYE	3	2251	0.076	57
35	GOW03	LFS	15	CHINOOK	9	5274	0.263	154
35	GOW03	LFS	15	CHUM	1	586	0.06	35
35	GOW03	LFS	15	COHO	2	1172	0.357	209
35	GOW03	LFS	15	SOCKEYE	1	586	0.022	13
36	GOW04	LFS	0	CHINOOK	3	1222	0.135	55
36	GOW04	LFS	0	CHUM	24	9774	2.24	912
36	GOW04	LFS	0	COHO	36	14661	8.46	3445
36	GOW04	LFS	0	PINK	7	2851	0.602	245
36	GOW04	LFS	0	SOCKEYE	4	1629	0.119	48
39	SNA05	LFS	15	CHUM	2	1377	0.202	139
39	SNA05	LFS	15	COHO	26	17900	6.35	4372
40	SNA06	Cantrawl	15	CHINOOK	1	463	0.195	90
40	SNA06	Cantrawl	15	COHO	4	1852	0.84	389
41	SNA07	Cantrawl	0	CHINOOK	5	2230	0.142	63
41	SNA07	Cantrawl	0	CHUM	175	78046	17.32	7724
41	SNA07	Cantrawl	0	COHO	19	8474	2.96	1320
41	SNA07	Cantrawl	0	PINK	20	8920	1.76	785
41	SNA07	Cantrawl	0	SOCKEYE	9	4014	0.278	124
42	SNA08	LFS	0	CHINOOK	5	2105	0.118	50
42	SNA08	LFS	0	CHUM	338	142307	33.2	13978
42	SNA08	LFS	0	COHO	9	3789	2.03	855
42	SNA08	LFS	0	PINK	17	7157	1.46	615
42	SNA08	LFS	0	SOCKEYE	107	45050	2.95	1242

Event	Station	Net	Depth	Species	Count	Count CPUE	Biomass	Biomass CPUE
43	HALI09	Cantrawl	15	CHINOOK	9	6407	0.189	135
43	HALI09	Cantrawl	15	CHUM	4	2847	0.395	281
43	HALI09	Cantrawl	15	COHO	1	712	0.149	106
43	HALI09	Cantrawl	15	PINK	2	1424	0.169	120
44	HALI06	LFS	15	CHINOOK	5	3141	0.105	66
44	HALI06	LFS	15	CHUM	18	11309	1.92	1206
44	HALI06	LFS	15	COHO	5	3141	0.88	553
44	HALI06	LFS	15	PINK	3	1885	0.299	188
44	HALI06	LFS	15	SOCKEYE	1	628	0.029	18
45	HALI07	LFS	0	CHINOOK	1	460	0.025	12
45	HALI07	LFS	0	CHUM	379	174384	39.92	18368
45	HALI07	LFS	0	COHO	16	7362	0.441	203
45	HALI07	LFS	0	PINK	55	25306	5.55	2554
45	HALI07	LFS	0	SOCKEYE	9	4141	0.267	123
46	HALI08	Cantrawl	0	CHINOOK	5	2486	0.14	70
46	HALI08	Cantrawl	0	CHUM	36	17897	4.2	2088
46	HALI08	Cantrawl	0	COHO	12	5966	3.07	1526
46	HALI08	Cantrawl	0	PINK	12	5966	1.1	547
46	HALI08	Cantrawl	0	SOCKEYE	1	497	0.033	16
47	ENIL14	LFS	15	CHINOOK	9	5168	1.03	591
47	ENIL14	LFS	15	COHO	3	1723	0.651	374
48	ENIL15	Cantrawl	0	CHINOOK	8	3313	0.742	307
48	ENIL15	Cantrawl	0	CHUM	11	4556	1.2	497
48	ENIL15	Cantrawl	0	COHO	8	3313	1.76	729
48	ENIL15	Cantrawl	0	PINK	7	2899	0.623	258
49	ENIL16	Cantrawl	15	CHUM	2	1113	0.238	132
49	ENIL16	Cantrawl	15	COHO	9	5007	4.1	2281
49	ENIL16	Cantrawl	15	PINK	1	556	0.145	81
50	ENIL17	LFS	0	CHINOOK	3	1328	0.6	266
50	ENIL17	LFS	0	CHUM	97	42937	10.48	4639
50	ENIL17	LFS	0	COHO	235	104023	56.88	25178
50	ENIL17	LFS	0	PINK	38	16821	3.8	1682

Appendix 4: Fork lengths in mm from juvenile salmon species from the catch composition transects on the FV Sea Crest from October 1-7, 2018.

Event	Station	Net	Depth	Species	Fork Length
19	SNA04	LFS	15	COHO	250
19	SNA04	LFS	15	COHO	253
19	SNA04	LFS	15	CHINOOK	146
19	SNA04	LFS	15	CHINOOK	123
19	SNA04	LFS	15	CHINOOK	127
19	SNA04	LFS	15	CHINOOK	118
19	SNA04	LFS	15	CHINOOK	136
19	SNA04	LFS	15	CHINOOK	115
19	SNA04	LFS	15	CHINOOK	142
19	SNA04	LFS	15	CHINOOK	112
19	SNA04	LFS	15	CHINOOK	112
19	SNA04	LFS	15	CHUM	245
19	SNA04	LFS	15	CHUM	185
19	SNA04	LFS	15	CHUM	201
19	SNA04	LFS	15	CHUM	205
19	SNA04	LFS	15	CHUM	224
19	SNA04	LFS	15	CHUM	202
19	SNA04	LFS	15	SOCKEYE	140
19	SNA04	LFS	15	SOCKEYE	131
19	SNA04	LFS	15	SOCKEYE	130
19	SNA04	LFS	15	SOCKEYE	132
19	SNA04	LFS	15	SOCKEYE	151
19	SNA04	LFS	15	SOCKEYE	141
19	SNA04	LFS	15	SOCKEYE	133
19	SNA04	LFS	15	SOCKEYE	131
19	SNA04	LFS	15	SOCKEYE	127
20	HALI01	Cantrawl	15	CHINOOK	122
20	HALI01	Cantrawl	15	CHINOOK	171
20	HALI01	Cantrawl	15	CHINOOK	177
20	HALI01	Cantrawl	15	CHINOOK	125
20	HALI01	Cantrawl	15	CHINOOK	142
20	HALI01	Cantrawl	15	CHINOOK	110
20	HALI01	Cantrawl	15	CHINOOK	120
20	HALI01	Cantrawl	15	CHINOOK	115
20	HALI01	Cantrawl	15	CHINOOK	111
20	HALI01	Cantrawl	15	CHINOOK	131
20	HALI01	Cantrawl	15	CHINOOK	131
20	HALI01	Cantrawl	15	CHINOOK	125
20	HALI01	Cantrawl	15	CHINOOK	116

Event	Station	Net	Depth	Species	Fork Length
20	HALI01	Cantrawl	15	CHINOOK	129
20	HALI01	Cantrawl	15	CHINOOK	122
20	HALI01	Cantrawl	15	CHINOOK	135
20	HALI01	Cantrawl	15	CHINOOK	118
20	HALI01	Cantrawl	15	CHINOOK	123
20	HALI01	Cantrawl	15	COHO	277
20	HALI01	Cantrawl	15	CHUM	212
20	HALI01	Cantrawl	15	CHUM	240
21	HALI02	Cantrawl	0	CHINOOK	157
21	HALI02	Cantrawl	0	CHINOOK	130
21	HALI02	Cantrawl	0	CHINOOK	122
21	HALI02	Cantrawl	0	CHINOOK	147
21	HALI02	Cantrawl	0	CHINOOK	132
21	HALI02	Cantrawl	0	CHINOOK	114
21	HALI02	Cantrawl	0	CHINOOK	110
21	HALI02	Cantrawl	0	CHINOOK	132
21	HALI02	Cantrawl	0	CHINOOK	127
21	HALI02	Cantrawl	0	CHINOOK	127
21	HALI02	Cantrawl	0	CHINOOK	138
21	HALI02	Cantrawl	0	CHINOOK	133
21	HALI02	Cantrawl	0	CHINOOK	141
21	HALI02	Cantrawl	0	CHINOOK	129
21	HALI02	Cantrawl	0	CHINOOK	137
21	HALI02	Cantrawl	0	CHINOOK	117
21	HALI02	Cantrawl	0	CHINOOK	105
21	HALI02	Cantrawl	0	CHINOOK	135
21	HALI02	Cantrawl	0	CHINOOK	119
21	HALI02	Cantrawl	0	CHINOOK	126
21	HALI02	Cantrawl	0	CHINOOK	107
21	HALI02	Cantrawl	0	CHINOOK	132
21	HALI02	Cantrawl	0	CHINOOK	139
21	HALI02	Cantrawl	0	CHINOOK	124
21	HALI02	Cantrawl	0	CHINOOK	114
21	HALI02	Cantrawl	0	CHINOOK	132
21	HALI02	Cantrawl	0	CHINOOK	114
21	HALI02	Cantrawl	0	CHINOOK	117
21	HALI02	Cantrawl	0	CHINOOK	116
21	HALI02	Cantrawl	0	CHINOOK	131
21	HALI02	Cantrawl	0	CHINOOK	145
21	HALI02	Cantrawl	0	CHINOOK	124
21	HALI02	Cantrawl	0	CHINOOK	106

Event	Station	Net	Depth	Species	Fork Length
21	HALI02	Cantrawl	0	CHINOOK	120
21	HALI02	Cantrawl	0	CHINOOK	115
21	HALI02	Cantrawl	0	CHINOOK	109
21	HALI02	Cantrawl	0	CHINOOK	117
21	HALI02	Cantrawl	0	CHINOOK	125
21	HALI02	Cantrawl	0	CHINOOK	121
21	HALI02	Cantrawl	0	CHINOOK	119
21	HALI02	Cantrawl	0	CHINOOK	120
21	HALI02	Cantrawl	0	CHINOOK	142
21	HALI02	Cantrawl	0	CHINOOK	139
21	HALI02	Cantrawl	0	CHINOOK	123
21	HALI02	Cantrawl	0	CHINOOK	219
21	HALI02	Cantrawl	0	SOCKEYE	135
21	HALI02	Cantrawl	0	SOCKEYE	124
21	HALI02	Cantrawl	0	SOCKEYE	122
21	HALI02	Cantrawl	0	SOCKEYE	133
21	HALI02	Cantrawl	0	SOCKEYE	129
21	HALI02	Cantrawl	0	SOCKEYE	117
21	HALI02	Cantrawl	0	SOCKEYE	131
21	HALI02	Cantrawl	0	SOCKEYE	131
21	HALI02	Cantrawl	0	SOCKEYE	123
21	HALI02	Cantrawl	0	SOCKEYE	129
21	HALI02	Cantrawl	0	SOCKEYE	130
21	HALI02	Cantrawl	0	SOCKEYE	123
21	HALI02	Cantrawl	0	SOCKEYE	132
21	HALI02	Cantrawl	0	SOCKEYE	127
21	HALI02	Cantrawl	0	SOCKEYE	123
21	HALI02	Cantrawl	0	SOCKEYE	124
21	HALI02	Cantrawl	0	SOCKEYE	137
21	HALI02	Cantrawl	0	COHO	247
21	HALI02	Cantrawl	0	COHO	251
21	HALI02	Cantrawl	0	COHO	266
21	HALI02	Cantrawl	0	COHO	262
21	HALI02	Cantrawl	0	COHO	250
21	HALI02	Cantrawl	0	COHO	222
21	HALI02	Cantrawl	0	COHO	248
21	HALI02	Cantrawl	0	COHO	272
21	HALI02	Cantrawl	0	COHO	275
21	HALI02	Cantrawl	0	COHO	279
21	HALI02	Cantrawl	0	COHO	240
21	HALI02	Cantrawl	0	COHO	236

Event	Station	Net	Depth	Species	Fork Length
21	HALI02	Cantrawl	0	COHO	200
21	HALI02	Cantrawl	0	PINK	212
21	HALI02	Cantrawl	0	CHUM	207
21	HALI02	Cantrawl	0	CHUM	207
21	HALI02	Cantrawl	0	CHUM	226
21	HALI02	Cantrawl	0	CHUM	208
21	HALI02	Cantrawl	0	CHUM	193
21	HALI02	Cantrawl	0	CHUM	179
21	HALI02	Cantrawl	0	CHUM	189
21	HALI02	Cantrawl	0	CHUM	219
21	HALI02	Cantrawl	0	CHUM	230
22	HALI03	LFS	15	CHINOOK	117
22	HALI03	LFS	15	CHINOOK	223
22	HALI03	LFS	15	CHINOOK	176
22	HALI03	LFS	15	CHINOOK	115
22	HALI03	LFS	15	CHINOOK	138
22	HALI03	LFS	15	CHINOOK	132
22	HALI03	LFS	15	PINK	201
22	HALI03	LFS	15	CHUM	208
22	HALI03	LFS	15	CHUM	231
22	HALI03	LFS	15	COHO	297
22	HALI03	LFS	15	COHO	287
22	HALI03	LFS	15	COHO	261
22	HALI03	LFS	15	COHO	259
22	HALI03	LFS	15	COHO	275
22	HALI03	LFS	15	COHO	265
22	HALI03	LFS	15	COHO	244
22	HALI03	LFS	15	COHO	231
22	HALI03	LFS	15	COHO	270
22	HALI03	LFS	15	COHO	256
22	HALI03	LFS	15	COHO	262
22	HALI03	LFS	15	COHO	230
22	HALI03	LFS	15	COHO	256
22	HALI03	LFS	15	COHO	263
22	HALI03	LFS	15	COHO	229
22	HALI03	LFS	15	COHO	284
22	HALI03	LFS	15	COHO	242
22	HALI03	LFS	15	COHO	268
22	HALI03	LFS	15	COHO	250
22	HALI03	LFS	15	COHO	253
22	HALI03	LFS	15	COHO	273

Event	Station	Net	Depth	Species	Fork Length
22	HALI03	LFS	15	COHO	264
22	HALI03	LFS	15	COHO	290
22	HALI03	LFS	15	COHO	254
22	HALI03	LFS	15	COHO	257
22	HALI03	LFS	15	COHO	236
22	HALI03	LFS	15	COHO	256
22	HALI03	LFS	15	COHO	245
22	HALI03	LFS	15	COHO	250
22	HALI03	LFS	15	COHO	277
22	HALI03	LFS	15	COHO	285
22	HALI03	LFS	15	COHO	242
22	HALI03	LFS	15	COHO	273
22	HALI03	LFS	15	COHO	277
22	HALI03	LFS	15	COHO	280
22	HALI03	LFS	15	COHO	277
22	HALI03	LFS	15	COHO	265
22	HALI03	LFS	15	COHO	236
22	HALI03	LFS	15	COHO	298
22	HALI03	LFS	15	COHO	224
22	HALI03	LFS	15	COHO	267
22	HALI03	LFS	15	COHO	256
22	HALI03	LFS	15	COHO	289
22	HALI03	LFS	15	COHO	310
22	HALI03	LFS	15	COHO	311
22	HALI03	LFS	15	COHO	323
22	HALI03	LFS	15	COHO	323
24	HALI05	LFS	0	CHUM	222
24	HALI05	LFS	0	CHUM	222
24	HALI05	LFS	0	CHUM	210
24	HALI05	LFS	0	CHUM	210
24	HALI05	LFS	0	CHUM	204
24	HALI05	LFS	0	CHUM	213
24	HALI05	LFS	0	CHUM	220
24	HALI05	LFS	0	CHUM	214
24	HALI05	LFS	0	CHUM	213
24	HALI05	LFS	0	CHUM	215
24	HALI05	LFS	0	CHUM	232
24	HALI05	LFS	0	CHUM	211
24	HALI05	LFS	0	CHUM	204
24	HALI05	LFS	0	CHUM	211
24	HALI05	LFS	0	CHUM	236

Event	Station	Net	Depth	Species	Fork Length
24	HALI05	LFS	0	CHUM	195
24	HALI05	LFS	0	CHUM	224
24	HALI05	LFS	0	CHUM	208
24	HALI05	LFS	0	CHUM	224
24	HALI05	LFS	0	CHUM	219
24	HALI05	LFS	0	CHUM	216
24	HALI05	LFS	0	CHUM	195
24	HALI05	LFS	0	CHUM	191
24	HALI05	LFS	0	CHUM	198
24	HALI05	LFS	0	CHUM	213
24	HALI05	LFS	0	CHUM	206
24	HALI05	LFS	0	CHUM	201
24	HALI05	LFS	0	CHUM	207
24	HALI05	LFS	0	PINK	210
24	HALI05	LFS	0	PINK	190
24	HALI05	LFS	0	PINK	203
24	HALI05	LFS	0	PINK	220
24	HALI05	LFS	0	PINK	209
24	HALI05	LFS	0	PINK	214
24	HALI05	LFS	0	PINK	195
24	HALI05	LFS	0	PINK	199
24	HALI05	LFS	0	PINK	219
24	HALI05	LFS	0	PINK	186
24	HALI05	LFS	0	PINK	192
24	HALI05	LFS	0	PINK	208
24	HALI05	LFS	0	PINK	195
24	HALI05	LFS	0	PINK	218
24	HALI05	LFS	0	PINK	208
24	HALI05	LFS	0	PINK	186
24	HALI05	LFS	0	PINK	197
24	HALI05	LFS	0	PINK	183
24	HALI05	LFS	0	PINK	201
24	HALI05	LFS	0	PINK	204
24	HALI05	LFS	0	PINK	232
24	HALI05	LFS	0	PINK	224
24	HALI05	LFS	0	PINK	197
24	HALI05	LFS	0	PINK	194
24	HALI05	LFS	0	PINK	182
24	HALI05	LFS	0	PINK	197
24	HALI05	LFS	0	PINK	125
24	HALI05	LFS	0	PINK	216

Event	Station	Net	Depth	Species	Fork Length
24	HALI05	LFS	0	PINK	193
24	HALI05	LFS	0	PINK	213
24	HALI05	LFS	0	PINK	232
24	HALI05	LFS	0	PINK	201
24	HALI05	LFS	0	PINK	200
24	HALI05	LFS	0	PINK	185
24	HALI05	LFS	0	PINK	200
24	HALI05	LFS	0	PINK	230
24	HALI05	LFS	0	PINK	211
24	HALI05	LFS	0	COHO	271
24	HALI05	LFS	0	COHO	289
24	HALI05	LFS	0	COHO	264
24	HALI05	LFS	0	COHO	295
24	HALI05	LFS	0	COHO	275
24	HALI05	LFS	0	COHO	271
24	HALI05	LFS	0	COHO	273
24	HALI05	LFS	0	COHO	289
24	HALI05	LFS	0	COHO	269
24	HALI05	LFS	0	COHO	232
24	HALI05	LFS	0	COHO	240
24	HALI05	LFS	0	COHO	249
24	HALI05	LFS	0	COHO	244
24	HALI05	LFS	0	COHO	265
24	HALI05	LFS	0	COHO	264
24	HALI05	LFS	0	COHO	268
24	HALI05	LFS	0	COHO	281
24	HALI05	LFS	0	COHO	264
24	HALI05	LFS	0	COHO	277
24	HALI05	LFS	0	COHO	262
24	HALI05	LFS	0	COHO	315
25	GAB01	LFS	15	COHO	282
25	GAB01	LFS	15	COHO	282
25	GAB01	LFS	15	COHO	281
25	GAB01	LFS	15	COHO	284
25	GAB01	LFS	15	COHO	220
25	GAB01	LFS	15	COHO	256
25	GAB01	LFS	15	COHO	271
25	GAB01	LFS	15	COHO	288
25	GAB01	LFS	15	COHO	287
25	GAB01	LFS	15	COHO	261
25	GAB01	LFS	15	COHO	295

Event	Station	Net	Depth	Species	Fork Length
25	GAB01	LFS	15	COHO	272
25	GAB01	LFS	15	COHO	257
25	GAB01	LFS	15	COHO	245
25	GAB01	LFS	15	COHO	234
25	GAB01	LFS	15	COHO	254
25	GAB01	LFS	15	COHO	265
25	GAB01	LFS	15	COHO	244
25	GAB01	LFS	15	COHO	250
25	GAB01	LFS	15	COHO	245
25	GAB01	LFS	15	COHO	286
25	GAB01	LFS	15	COHO	297
25	GAB01	LFS	15	COHO	234
25	GAB01	LFS	15	COHO	288
25	GAB01	LFS	15	COHO	262
25	GAB01	LFS	15	COHO	303
25	GAB01	LFS	15	COHO	261
25	GAB01	LFS	15	COHO	278
25	GAB01	LFS	15	COHO	287
25	GAB01	LFS	15	COHO	282
25	GAB01	LFS	15	COHO	278
25	GAB01	LFS	15	COHO	262
25	GAB01	LFS	15	COHO	276
25	GAB01	LFS	15	COHO	281
25	GAB01	LFS	15	COHO	252
25	GAB01	LFS	15	COHO	231
25	GAB01	LFS	15	COHO	253
25	GAB01	LFS	15	COHO	247
25	GAB01	LFS	15	COHO	262
25	GAB01	LFS	15	COHO	239
25	GAB01	LFS	15	COHO	327
25	GAB01	LFS	15	COHO	332
25	GAB01	LFS	15	PINK	205
25	GAB01	LFS	15	PINK	228
25	GAB01	LFS	15	CHUM	243
25	GAB01	LFS	15	CHUM	233
25	GAB01	LFS	15	CHUM	257
25	GAB01	LFS	15	CHUM	226
25	GAB01	LFS	15	CHUM	218
25	GAB01	LFS	15	CHUM	219
25	GAB01	LFS	15	CHUM	202
25	GAB01	LFS	15	CHUM	225

Event	Station	Net	Depth	Species	Fork Length
25	GAB01	LFS	15	CHUM	234
25	GAB01	LFS	15	CHUM	221
26	GAB02	LFS	0	CHUM	206
26	GAB02	LFS	0	CHUM	235
26	GAB02	LFS	0	CHUM	214
26	GAB02	LFS	0	CHUM	198
26	GAB02	LFS	0	CHUM	242
26	GAB02	LFS	0	CHUM	205
26	GAB02	LFS	0	CHUM	221
26	GAB02	LFS	0	CHUM	258
26	GAB02	LFS	0	CHUM	206
26	GAB02	LFS	0	CHUM	208
26	GAB02	LFS	0	CHUM	205
26	GAB02	LFS	0	CHUM	232
26	GAB02	LFS	0	CHUM	214
26	GAB02	LFS	0	CHUM	190
26	GAB02	LFS	0	CHUM	197
26	GAB02	LFS	0	CHUM	214
26	GAB02	LFS	0	CHUM	208
26	GAB02	LFS	0	CHUM	226
26	GAB02	LFS	0	CHUM	211
26	GAB02	LFS	0	CHUM	212
26	GAB02	LFS	0	CHUM	206
26	GAB02	LFS	0	CHUM	223
26	GAB02	LFS	0	CHUM	228
26	GAB02	LFS	0	CHUM	198
26	GAB02	LFS	0	CHUM	213
26	GAB02	LFS	0	CHUM	209
26	GAB02	LFS	0	CHUM	237
26	GAB02	LFS	0	CHUM	230
26	GAB02	LFS	0	CHUM	218
26	GAB02	LFS	0	CHUM	186
26	GAB02	LFS	0	SOCKEYE	142
26	GAB02	LFS	0	SOCKEYE	135
26	GAB02	LFS	0	SOCKEYE	144
26	GAB02	LFS	0	SOCKEYE	127
26	GAB02	LFS	0	SOCKEYE	136
26	GAB02	LFS	0	SOCKEYE	137
26	GAB02	LFS	0	SOCKEYE	101
26	GAB02	LFS	0	SOCKEYE	151
26	GAB02	LFS	0	SOCKEYE	133

Event	Station	Net	Depth	Species	Fork Length
26	GAB02	LFS	0	SOCKEYE	130
26	GAB02	LFS	0	SOCKEYE	122
26	GAB02	LFS	0	SOCKEYE	130
26	GAB02	LFS	0	SOCKEYE	129
26	GAB02	LFS	0	SOCKEYE	130
26	GAB02	LFS	0	SOCKEYE	141
26	GAB02	LFS	0	SOCKEYE	136
26	GAB02	LFS	0	SOCKEYE	136
26	GAB02	LFS	0	SOCKEYE	136
26	GAB02	LFS	0	SOCKEYE	140
26	GAB02	LFS	0	SOCKEYE	124
26	GAB02	LFS	0	SOCKEYE	141
26	GAB02	LFS	0	SOCKEYE	124
26	GAB02	LFS	0	SOCKEYE	128
26	GAB02	LFS	0	SOCKEYE	136
26	GAB02	LFS	0	SOCKEYE	125
26	GAB02	LFS	0	SOCKEYE	123
26	GAB02	LFS	0	SOCKEYE	132
26	GAB02	LFS	0	SOCKEYE	146
26	GAB02	LFS	0	SOCKEYE	132
26	GAB02	LFS	0	SOCKEYE	131
26	GAB02	LFS	0	SOCKEYE	152
26	GAB02	LFS	0	CHINOOK	134
26	GAB02	LFS	0	CHINOOK	117
26	GAB02	LFS	0	CHINOOK	150
26	GAB02	LFS	0	CHINOOK	176
26	GAB02	LFS	0	CHINOOK	149
26	GAB02	LFS	0	CHINOOK	123
26	GAB02	LFS	0	CHINOOK	140
26	GAB02	LFS	0	CHINOOK	159
26	GAB02	LFS	0	CHINOOK	117
26	GAB02	LFS	0	CHINOOK	139
26	GAB02	LFS	0	CHINOOK	120
26	GAB02	LFS	0	CHINOOK	171
26	GAB02	LFS	0	CHINOOK	114
26	GAB02	LFS	0	CHINOOK	125
26	GAB02	LFS	0	CHINOOK	141
26	GAB02	LFS	0	CHINOOK	111
26	GAB02	LFS	0	CHINOOK	121
26	GAB02	LFS	0	CHINOOK	119
26	GAB02	LFS	0	CHINOOK	113

Event	Station	Net	Depth	Species	Fork Length
26	GAB02	LFS	0	CHINOOK	113
26	GAB02	LFS	0	CHINOOK	137
26	GAB02	LFS	0	CHINOOK	139
26	GAB02	LFS	0	CHINOOK	191
26	GAB02	LFS	0	CHINOOK	153
26	GAB02	LFS	0	CHINOOK	127
26	GAB02	LFS	0	CHINOOK	127
26	GAB02	LFS	0	CHINOOK	132
26	GAB02	LFS	0	CHINOOK	122
26	GAB02	LFS	0	CHINOOK	128
26	GAB02	LFS	0	CHINOOK	113
26	GAB02	LFS	0	CHINOOK	137
26	GAB02	LFS	0	CHINOOK	135
26	GAB02	LFS	0	CHINOOK	117
26	GAB02	LFS	0	CHINOOK	130
26	GAB02	LFS	0	CHINOOK	138
26	GAB02	LFS	0	CHINOOK	117
26	GAB02	LFS	0	COHO	246
26	GAB02	LFS	0	COHO	270
26	GAB02	LFS	0	COHO	243
26	GAB02	LFS	0	COHO	258
26	GAB02	LFS	0	COHO	258
26	GAB02	LFS	0	COHO	271
26	GAB02	LFS	0	COHO	271
26	GAB02	LFS	0	COHO	265
26	GAB02	LFS	0	COHO	242
26	GAB02	LFS	0	COHO	269
26	GAB02	LFS	0	COHO	274
26	GAB02	LFS	0	COHO	283
26	GAB02	LFS	0	COHO	275
26	GAB02	LFS	0	COHO	297
26	GAB02	LFS	0	COHO	258
26	GAB02	LFS	0	COHO	250
26	GAB02	LFS	0	COHO	267
26	GAB02	LFS	0	COHO	264
26	GAB02	LFS	0	COHO	265
26	GAB02	LFS	0	COHO	235
26	GAB02	LFS	0	COHO	223
26	GAB02	LFS	0	COHO	208
26	GAB02	LFS	0	COHO	236
26	GAB02	LFS	0	COHO	276

Event	Station	Net	Depth	Species	Fork Length
26	GAB02	LFS	0	COHO	245
26	GAB02	LFS	0	COHO	237
26	GAB02	LFS	0	COHO	316
26	GAB02	LFS	0	PINK	208
26	GAB02	LFS	0	PINK	222
26	GAB02	LFS	0	PINK	218
26	GAB02	LFS	0	PINK	222
26	GAB02	LFS	0	PINK	199
26	GAB02	LFS	0	PINK	220
26	GAB02	LFS	0	PINK	215
26	GAB02	LFS	0	PINK	227
26	GAB02	LFS	0	PINK	204
26	GAB02	LFS	0	PINK	203
26	GAB02	LFS	0	PINK	200
26	GAB02	LFS	0	PINK	200
26	GAB02	LFS	0	PINK	244
26	GAB02	LFS	0	PINK	205
26	GAB02	LFS	0	PINK	218
26	GAB02	LFS	0	PINK	205
26	GAB02	LFS	0	PINK	232
26	GAB02	LFS	0	PINK	215
26	GAB02	LFS	0	PINK	193
26	GAB02	LFS	0	PINK	222
26	GAB02	LFS	0	PINK	209
26	GAB02	LFS	0	PINK	217
26	GAB02	LFS	0	PINK	205
26	GAB02	LFS	0	PINK	220
26	GAB02	LFS	0	PINK	199
26	GAB02	LFS	0	PINK	211
26	GAB02	LFS	0	PINK	220
26	GAB02	LFS	0	PINK	230
26	GAB02	LFS	0	PINK	221
26	GAB02	LFS	0	PINK	201
27	GAB03	Cantrawl	0	COHO	254
27	GAB03	Cantrawl	0	COHO	240
27	GAB03	Cantrawl	0	COHO	259
27	GAB03	Cantrawl	0	COHO	240
27	GAB03	Cantrawl	0	COHO	294
27	GAB03	Cantrawl	0	COHO	220
27	GAB03	Cantrawl	0	CHINOOK	121
27	GAB03	Cantrawl	0	CHINOOK	133

Event	Station	Net	Depth	Species	Fork Length
27	GAB03	Cantrawl	0	CHINOOK	159
27	GAB03	Cantrawl	0	CHINOOK	161
27	GAB03	Cantrawl	0	CHINOOK	142
27	GAB03	Cantrawl	0	CHINOOK	158
27	GAB03	Cantrawl	0	CHINOOK	176
27	GAB03	Cantrawl	0	CHUM	217
27	GAB03	Cantrawl	0	CHUM	221
27	GAB03	Cantrawl	0	CHUM	200
27	GAB03	Cantrawl	0	CHUM	242
27	GAB03	Cantrawl	0	CHUM	291
27	GAB03	Cantrawl	0	CHUM	193
27	GAB03	Cantrawl	0	CHUM	229
27	GAB03	Cantrawl	0	CHUM	226
27	GAB03	Cantrawl	0	CHUM	220
27	GAB03	Cantrawl	0	CHUM	221
27	GAB03	Cantrawl	0	CHUM	203
27	GAB03	Cantrawl	0	CHUM	201
27	GAB03	Cantrawl	0	CHUM	184
27	GAB03	Cantrawl	0	CHUM	205
27	GAB03	Cantrawl	0	CHUM	190
27	GAB03	Cantrawl	0	CHUM	181
27	GAB03	Cantrawl	0	CHUM	189
27	GAB03	Cantrawl	0	CHUM	210
27	GAB03	Cantrawl	0	CHUM	215
27	GAB03	Cantrawl	0	CHUM	215
27	GAB03	Cantrawl	0	CHUM	227
27	GAB03	Cantrawl	0	PINK	189
27	GAB03	Cantrawl	0	PINK	193
27	GAB03	Cantrawl	0	PINK	185
28	GAB04	Cantrawl	15	CHUM	195
28	GAB04	Cantrawl	15	CHUM	188
28	GAB04	Cantrawl	15	COHO	228
28	GAB04	Cantrawl	15	COHO	252
28	GAB04	Cantrawl	15	COHO	250
28	GAB04	Cantrawl	15	COHO	209
28	GAB04	Cantrawl	15	COHO	256
28	GAB04	Cantrawl	15	COHO	198
28	GAB04	Cantrawl	15	COHO	277
28	GAB04	Cantrawl	15	COHO	232
28	GAB04	Cantrawl	15	SOCKEYE	134
28	GAB04	Cantrawl	15	CHINOOK	145

Event	Station	Net	Depth	Species	Fork Length
28	GAB04	Cantrawl	15	CHINOOK	126
28	GAB04	Cantrawl	15	CHINOOK	140
28	GAB04	Cantrawl	15	CHINOOK	118
28	GAB04	Cantrawl	15	CHINOOK	125
28	GAB04	Cantrawl	15	CHINOOK	111
28	GAB04	Cantrawl	15	CHINOOK	115
28	GAB04	Cantrawl	15	CHINOOK	126
28	GAB04	Cantrawl	15	CHINOOK	135
28	GAB04	Cantrawl	15	CHINOOK	117
28	GAB04	Cantrawl	15	CHINOOK	120
28	GAB04	Cantrawl	15	CHINOOK	105
28	GAB04	Cantrawl	15	CHINOOK	142
28	GAB04	Cantrawl	15	CHINOOK	134
28	GAB04	Cantrawl	15	CHINOOK	115
28	GAB04	Cantrawl	15	CHINOOK	127
28	GAB04	Cantrawl	15	CHINOOK	118
28	GAB04	Cantrawl	15	CHINOOK	120
28	GAB04	Cantrawl	15	CHINOOK	120
28	GAB04	Cantrawl	15	CHINOOK	111
28	GAB04	Cantrawl	15	CHINOOK	136
28	GAB04	Cantrawl	15	CHINOOK	138
28	GAB04	Cantrawl	15	CHINOOK	127
28	GAB04	Cantrawl	15	CHINOOK	149
28	GAB04	Cantrawl	15	CHINOOK	116
28	GAB04	Cantrawl	15	CHINOOK	127
28	GAB04	Cantrawl	15	CHINOOK	175
28	GAB04	Cantrawl	15	CHINOOK	118
28	GAB04	Cantrawl	15	CHINOOK	132
28	GAB04	Cantrawl	15	CHINOOK	120
28	GAB04	Cantrawl	15	CHINOOK	142
28	GAB04	Cantrawl	15	CHINOOK	117
28	GAB04	Cantrawl	15	CHINOOK	138
28	GAB04	Cantrawl	15	CHINOOK	131
28	GAB04	Cantrawl	15	CHINOOK	145
28	GAB04	Cantrawl	15	CHINOOK	120
28	GAB04	Cantrawl	15	CHINOOK	118
28	GAB04	Cantrawl	15	CHINOOK	138
28	GAB04	Cantrawl	15	CHINOOK	137
28	GAB04	Cantrawl	15	CHINOOK	130
28	GAB04	Cantrawl	15	CHINOOK	117
29	BUR01	Cantrawl	15	SOCKEYE	150

Event	Station	Net	Depth	Species	Fork Length
29	BUR01	Cantrawl	15	COHO	234
29	BUR01	Cantrawl	15	COHO	260
29	BUR01	Cantrawl	15	COHO	221
29	BUR01	Cantrawl	15	COHO	237
29	BUR01	Cantrawl	15	COHO	221
29	BUR01	Cantrawl	15	COHO	249
29	BUR01	Cantrawl	15	COHO	250
29	BUR01	Cantrawl	15	COHO	269
29	BUR01	Cantrawl	15	COHO	276
29	BUR01	Cantrawl	15	COHO	251
29	BUR01	Cantrawl	15	CHINOOK	166
29	BUR01	Cantrawl	15	CHINOOK	159
29	BUR01	Cantrawl	15	CHINOOK	178
29	BUR01	Cantrawl	15	CHINOOK	150
29	BUR01	Cantrawl	15	CHINOOK	120
29	BUR01	Cantrawl	15	CHINOOK	131
29	BUR01	Cantrawl	15	CHINOOK	125
29	BUR01	Cantrawl	15	CHINOOK	111
29	BUR01	Cantrawl	15	CHINOOK	124
29	BUR01	Cantrawl	15	CHINOOK	112
29	BUR01	Cantrawl	15	CHUM	259
29	BUR01	Cantrawl	15	CHUM	220
29	BUR01	Cantrawl	15	CHUM	192
29	BUR01	Cantrawl	15	CHUM	203
29	BUR01	Cantrawl	15	CHUM	221
29	BUR01	Cantrawl	15	CHUM	211
29	BUR01	Cantrawl	15	CHUM	218
29	BUR01	Cantrawl	15	CHUM	190
29	BUR01	Cantrawl	15	CHUM	211
29	BUR01	Cantrawl	15	CHUM	216
29	BUR01	Cantrawl	15	CHUM	242
29	BUR01	Cantrawl	15	CHUM	204
29	BUR01	Cantrawl	15	CHUM	200
29	BUR01	Cantrawl	15	CHUM	211
29	BUR01	Cantrawl	15	CHUM	194
29	BUR01	Cantrawl	15	CHUM	201
29	BUR01	Cantrawl	15	CHUM	226
29	BUR01	Cantrawl	15	CHUM	208
29	BUR01	Cantrawl	15	CHUM	208
29	BUR01	Cantrawl	15	CHUM	234
29	BUR01	Cantrawl	15	CHUM	188

Event	Station	Net	Depth	Species	Fork Length
29	BUR01	Cantrawl	15	CHUM	213
29	BUR01	Cantrawl	15	CHUM	210
30	BUR02	LFS	0	SOCKEYE	138
30	BUR02	LFS	0	SOCKEYE	138
30	BUR02	LFS	0	SOCKEYE	131
30	BUR02	LFS	0	SOCKEYE	139
30	BUR02	LFS	0	SOCKEYE	125
30	BUR02	LFS	0	SOCKEYE	133
30	BUR02	LFS	0	SOCKEYE	146
30	BUR02	LFS	0	SOCKEYE	136
30	BUR02	LFS	0	SOCKEYE	151
30	BUR02	LFS	0	SOCKEYE	140
30	BUR02	LFS	0	SOCKEYE	136
30	BUR02	LFS	0	SOCKEYE	142
30	BUR02	LFS	0	SOCKEYE	139
30	BUR02	LFS	0	SOCKEYE	141
30	BUR02	LFS	0	SOCKEYE	136
30	BUR02	LFS	0	SOCKEYE	143
30	BUR02	LFS	0	SOCKEYE	124
30	BUR02	LFS	0	SOCKEYE	113
30	BUR02	LFS	0	SOCKEYE	126
30	BUR02	LFS	0	SOCKEYE	111
30	BUR02	LFS	0	SOCKEYE	136
30	BUR02	LFS	0	SOCKEYE	146
30	BUR02	LFS	0	SOCKEYE	137
30	BUR02	LFS	0	SOCKEYE	132
30	BUR02	LFS	0	SOCKEYE	132
30	BUR02	LFS	0	CHINOOK	240
30	BUR02	LFS	0	CHINOOK	124
30	BUR02	LFS	0	CHINOOK	116
30	BUR02	LFS	0	CHINOOK	116
30	BUR02	LFS	0	CHINOOK	153
30	BUR02	LFS	0	CHINOOK	118
30	BUR02	LFS	0	COHO	250
30	BUR02	LFS	0	COHO	302
30	BUR02	LFS	0	COHO	276
30	BUR02	LFS	0	COHO	250
30	BUR02	LFS	0	COHO	235
30	BUR02	LFS	0	COHO	232
30	BUR02	LFS	0	COHO	230
30	BUR02	LFS	0	COHO	219

Event	Station	Net	Depth	Species	Fork Length
30	BUR02	LFS	0	COHO	267
30	BUR02	LFS	0	COHO	240
30	BUR02	LFS	0	COHO	281
30	BUR02	LFS	0	COHO	272
30	BUR02	LFS	0	COHO	238
30	BUR02	LFS	0	COHO	225
30	BUR02	LFS	0	COHO	240
30	BUR02	LFS	0	COHO	220
30	BUR02	LFS	0	COHO	250
30	BUR02	LFS	0	COHO	241
30	BUR02	LFS	0	COHO	253
30	BUR02	LFS	0	COHO	254
30	BUR02	LFS	0	COHO	289
30	BUR02	LFS	0	COHO	241
30	BUR02	LFS	0	PINK	211
30	BUR02	LFS	0	PINK	225
30	BUR02	LFS	0	PINK	165
30	BUR02	LFS	0	PINK	223
30	BUR02	LFS	0	PINK	221
30	BUR02	LFS	0	PINK	213
30	BUR02	LFS	0	PINK	221
30	BUR02	LFS	0	PINK	217
30	BUR02	LFS	0	PINK	197
30	BUR02	LFS	0	PINK	206
30	BUR02	LFS	0	PINK	228
30	BUR02	LFS	0	PINK	219
30	BUR02	LFS	0	PINK	190
30	BUR02	LFS	0	PINK	202
30	BUR02	LFS	0	PINK	180
30	BUR02	LFS	0	PINK	217
30	BUR02	LFS	0	PINK	228
30	BUR02	LFS	0	PINK	193
30	BUR02	LFS	0	PINK	227
30	BUR02	LFS	0	PINK	212
30	BUR02	LFS	0	PINK	210
30	BUR02	LFS	0	PINK	210
30	BUR02	LFS	0	PINK	235
30	BUR02	LFS	0	PINK	219
30	BUR02	LFS	0	PINK	237
30	BUR02	LFS	0	PINK	214
30	BUR02	LFS	0	PINK	215

Event	Station	Net	Depth	Species	Fork Length
30	BUR02	LFS	0	PINK	204
30	BUR02	LFS	0	PINK	213
30	BUR02	LFS	0	PINK	208
30	BUR02	LFS	0	CHUM	200
30	BUR02	LFS	0	CHUM	201
30	BUR02	LFS	0	CHUM	217
30	BUR02	LFS	0	CHUM	206
30	BUR02	LFS	0	CHUM	215
30	BUR02	LFS	0	CHUM	211
30	BUR02	LFS	0	CHUM	209
30	BUR02	LFS	0	CHUM	231
30	BUR02	LFS	0	CHUM	222
30	BUR02	LFS	0	CHUM	224
30	BUR02	LFS	0	CHUM	217
30	BUR02	LFS	0	CHUM	221
30	BUR02	LFS	0	CHUM	212
30	BUR02	LFS	0	CHUM	207
30	BUR02	LFS	0	CHUM	229
30	BUR02	LFS	0	CHUM	225
30	BUR02	LFS	0	CHUM	214
30	BUR02	LFS	0	CHUM	225
30	BUR02	LFS	0	CHUM	223
30	BUR02	LFS	0	CHUM	244
30	BUR02	LFS	0	CHUM	196
30	BUR02	LFS	0	CHUM	205
30	BUR02	LFS	0	CHUM	214
30	BUR02	LFS	0	CHUM	223
30	BUR02	LFS	0	CHUM	224
30	BUR02	LFS	0	CHUM	200
30	BUR02	LFS	0	CHUM	203
30	BUR02	LFS	0	CHUM	208
30	BUR02	LFS	0	CHUM	207
30	BUR02	LFS	0	CHUM	197
31	BUR03	LFS	15	CHINOOK	281
31	BUR03	LFS	15	CHINOOK	128
31	BUR03	LFS	15	PINK	222
31	BUR03	LFS	15	PINK	203
31	BUR03	LFS	15	PINK	221
31	BUR03	LFS	15	PINK	210
31	BUR03	LFS	15	PINK	220
31	BUR03	LFS	15	PINK	228

Event	Station	Net	Depth	Species	Fork Length
31	BUR03	LFS	15	PINK	179
31	BUR03	LFS	15	PINK	210
31	BUR03	LFS	15	CHUM	196
31	BUR03	LFS	15	CHUM	230
31	BUR03	LFS	15	CHUM	189
31	BUR03	LFS	15	CHUM	210
31	BUR03	LFS	15	CHUM	229
31	BUR03	LFS	15	CHUM	235
31	BUR03	LFS	15	CHUM	242
31	BUR03	LFS	15	CHUM	218
31	BUR03	LFS	15	CHUM	209
31	BUR03	LFS	15	CHUM	209
31	BUR03	LFS	15	CHUM	230
31	BUR03	LFS	15	CHUM	218
31	BUR03	LFS	15	CHUM	199
31	BUR03	LFS	15	CHUM	222
31	BUR03	LFS	15	CHUM	205
31	BUR03	LFS	15	CHUM	197
31	BUR03	LFS	15	CHUM	192
31	BUR03	LFS	15	CHUM	210
32	BUR04	Cantrawl	0	SOCKEYE	148
32	BUR04	Cantrawl	0	SOCKEYE	148
32	BUR04	Cantrawl	0	SOCKEYE	137
32	BUR04	Cantrawl	0	SOCKEYE	137
32	BUR04	Cantrawl	0	SOCKEYE	144
32	BUR04	Cantrawl	0	SOCKEYE	145
32	BUR04	Cantrawl	0	SOCKEYE	146
32	BUR04	Cantrawl	0	CHINOOK	162
32	BUR04	Cantrawl	0	CHINOOK	247
32	BUR04	Cantrawl	0	CHINOOK	149
32	BUR04	Cantrawl	0	CHINOOK	168
32	BUR04	Cantrawl	0	CHINOOK	127
32	BUR04	Cantrawl	0	COHO	261
32	BUR04	Cantrawl	0	COHO	278
32	BUR04	Cantrawl	0	COHO	300
32	BUR04	Cantrawl	0	COHO	238
32	BUR04	Cantrawl	0	COHO	234
32	BUR04	Cantrawl	0	COHO	238
32	BUR04	Cantrawl	0	COHO	280
32	BUR04	Cantrawl	0	COHO	262
32	BUR04	Cantrawl	0	COHO	286

Event	Station	Net	Depth	Species	Fork Length
32	BUR04	Cantrawl	0	COHO	280
32	BUR04	Cantrawl	0	COHO	263
32	BUR04	Cantrawl	0	COHO	295
32	BUR04	Cantrawl	0	COHO	292
32	BUR04	Cantrawl	0	COHO	280
32	BUR04	Cantrawl	0	COHO	249
32	BUR04	Cantrawl	0	COHO	245
32	BUR04	Cantrawl	0	COHO	265
32	BUR04	Cantrawl	0	COHO	254
32	BUR04	Cantrawl	0	COHO	289
32	BUR04	Cantrawl	0	COHO	263
32	BUR04	Cantrawl	0	COHO	286
32	BUR04	Cantrawl	0	COHO	288
32	BUR04	Cantrawl	0	COHO	256
32	BUR04	Cantrawl	0	COHO	270
32	BUR04	Cantrawl	0	COHO	270
32	BUR04	Cantrawl	0	COHO	264
32	BUR04	Cantrawl	0	COHO	251
32	BUR04	Cantrawl	0	COHO	256
32	BUR04	Cantrawl	0	COHO	295
32	BUR04	Cantrawl	0	COHO	314
32	BUR04	Cantrawl	0	PINK	240
32	BUR04	Cantrawl	0	PINK	216
32	BUR04	Cantrawl	0	PINK	217
32	BUR04	Cantrawl	0	PINK	212
32	BUR04	Cantrawl	0	PINK	206
32	BUR04	Cantrawl	0	PINK	201
32	BUR04	Cantrawl	0	PINK	220
32	BUR04	Cantrawl	0	PINK	212
32	BUR04	Cantrawl	0	PINK	197
32	BUR04	Cantrawl	0	PINK	200
32	BUR04	Cantrawl	0	PINK	199
32	BUR04	Cantrawl	0	PINK	206
32	BUR04	Cantrawl	0	PINK	201
32	BUR04	Cantrawl	0	PINK	198
32	BUR04	Cantrawl	0	PINK	203
32	BUR04	Cantrawl	0	PINK	208
32	BUR04	Cantrawl	0	PINK	219
32	BUR04	Cantrawl	0	PINK	201
32	BUR04	Cantrawl	0	PINK	217
32	BUR04	Cantrawl	0	PINK	196

Event	Station	Net	Depth	Species	Fork Length
32	BUR04	Cantrawl	0	PINK	200
32	BUR04	Cantrawl	0	PINK	196
32	BUR04	Cantrawl	0	PINK	212
32	BUR04	Cantrawl	0	PINK	210
32	BUR04	Cantrawl	0	PINK	183
32	BUR04	Cantrawl	0	PINK	225
32	BUR04	Cantrawl	0	PINK	229
32	BUR04	Cantrawl	0	PINK	211
32	BUR04	Cantrawl	0	PINK	203
32	BUR04	Cantrawl	0	PINK	206
32	BUR04	Cantrawl	0	CHUM	218
32	BUR04	Cantrawl	0	CHUM	212
32	BUR04	Cantrawl	0	CHUM	255
32	BUR04	Cantrawl	0	CHUM	216
32	BUR04	Cantrawl	0	CHUM	234
32	BUR04	Cantrawl	0	CHUM	223
32	BUR04	Cantrawl	0	CHUM	240
32	BUR04	Cantrawl	0	CHUM	218
32	BUR04	Cantrawl	0	CHUM	252
32	BUR04	Cantrawl	0	CHUM	211
32	BUR04	Cantrawl	0	CHUM	249
32	BUR04	Cantrawl	0	CHUM	211
32	BUR04	Cantrawl	0	CHUM	215
32	BUR04	Cantrawl	0	CHUM	210
32	BUR04	Cantrawl	0	CHUM	214
32	BUR04	Cantrawl	0	CHUM	195
32	BUR04	Cantrawl	0	CHUM	202
32	BUR04	Cantrawl	0	CHUM	225
32	BUR04	Cantrawl	0	CHUM	210
32	BUR04	Cantrawl	0	CHUM	200
32	BUR04	Cantrawl	0	CHUM	249
32	BUR04	Cantrawl	0	CHUM	248
32	BUR04	Cantrawl	0	CHUM	198
32	BUR04	Cantrawl	0	CHUM	220
32	BUR04	Cantrawl	0	CHUM	196
32	BUR04	Cantrawl	0	CHUM	233
32	BUR04	Cantrawl	0	CHUM	206
32	BUR04	Cantrawl	0	CHUM	215
32	BUR04	Cantrawl	0	CHUM	228
32	BUR04	Cantrawl	0	CHUM	206
33	GOW01	Cantrawl	0	COHO	235

Event	Station	Net	Depth	Species	Fork Length
33	GOW01	Cantrawl	0	COHO	256
33	GOW01	Cantrawl	0	COHO	267
33	GOW01	Cantrawl	0	COHO	295
33	GOW01	Cantrawl	0	COHO	241
33	GOW01	Cantrawl	0	COHO	227
33	GOW01	Cantrawl	0	COHO	245
33	GOW01	Cantrawl	0	COHO	236
33	GOW01	Cantrawl	0	COHO	242
33	GOW01	Cantrawl	0	COHO	232
33	GOW01	Cantrawl	0	COHO	236
33	GOW01	Cantrawl	0	COHO	283
33	GOW01	Cantrawl	0	COHO	276
33	GOW01	Cantrawl	0	COHO	211
33	GOW01	Cantrawl	0	COHO	215
33	GOW01	Cantrawl	0	COHO	225
33	GOW01	Cantrawl	0	PINK	226
33	GOW01	Cantrawl	0	SOCKEYE	125
33	GOW01	Cantrawl	0	SOCKEYE	134
33	GOW01	Cantrawl	0	SOCKEYE	132
33	GOW01	Cantrawl	0	SOCKEYE	128
33	GOW01	Cantrawl	0	SOCKEYE	246
33	GOW01	Cantrawl	0	SOCKEYE	130
33	GOW01	Cantrawl	0	SOCKEYE	142
33	GOW01	Cantrawl	0	SOCKEYE	145
33	GOW01	Cantrawl	0	SOCKEYE	144
33	GOW01	Cantrawl	0	SOCKEYE	145
33	GOW01	Cantrawl	0	SOCKEYE	145
33	GOW01	Cantrawl	0	SOCKEYE	137
33	GOW01	Cantrawl	0	SOCKEYE	141
33	GOW01	Cantrawl	0	SOCKEYE	135
33	GOW01	Cantrawl	0	SOCKEYE	132
33	GOW01	Cantrawl	0	SOCKEYE	133
33	GOW01	Cantrawl	0	SOCKEYE	144
33	GOW01	Cantrawl	0	SOCKEYE	147
33	GOW01	Cantrawl	0	SOCKEYE	138
33	GOW01	Cantrawl	0	SOCKEYE	131
33	GOW01	Cantrawl	0	SOCKEYE	150
33	GOW01	Cantrawl	0	SOCKEYE	135
33	GOW01	Cantrawl	0	SOCKEYE	125
33	GOW01	Cantrawl	0	SOCKEYE	143
33	GOW01	Cantrawl	0	SOCKEYE	140

Event	Station	Net	Depth	Species	Fork Length
33	GOW01	Cantrawl	0	SOCKEYE	136
33	GOW01	Cantrawl	0	SOCKEYE	144
33	GOW01	Cantrawl	0	SOCKEYE	145
33	GOW01	Cantrawl	0	SOCKEYE	150
33	GOW01	Cantrawl	0	SOCKEYE	133
33	GOW01	Cantrawl	0	CHINOOK	148
33	GOW01	Cantrawl	0	CHINOOK	121
33	GOW01	Cantrawl	0	CHINOOK	142
33	GOW01	Cantrawl	0	CHINOOK	115
33	GOW01	Cantrawl	0	CHINOOK	141
33	GOW01	Cantrawl	0	CHINOOK	159
33	GOW01	Cantrawl	0	CHINOOK	135
33	GOW01	Cantrawl	0	CHINOOK	148
33	GOW01	Cantrawl	0	CHINOOK	158
33	GOW01	Cantrawl	0	CHINOOK	140
33	GOW01	Cantrawl	0	CHINOOK	140
33	GOW01	Cantrawl	0	CHINOOK	165
33	GOW01	Cantrawl	0	CHINOOK	125
33	GOW01	Cantrawl	0	CHINOOK	157
33	GOW01	Cantrawl	0	CHINOOK	124
33	GOW01	Cantrawl	0	CHINOOK	126
33	GOW01	Cantrawl	0	CHINOOK	158
33	GOW01	Cantrawl	0	CHINOOK	159
33	GOW01	Cantrawl	0	CHINOOK	113
33	GOW01	Cantrawl	0	CHINOOK	144
33	GOW01	Cantrawl	0	CHINOOK	132
33	GOW01	Cantrawl	0	CHINOOK	152
33	GOW01	Cantrawl	0	CHINOOK	151
33	GOW01	Cantrawl	0	CHINOOK	142
33	GOW01	Cantrawl	0	CHINOOK	120
33	GOW01	Cantrawl	0	CHINOOK	126
33	GOW01	Cantrawl	0	CHINOOK	134
33	GOW01	Cantrawl	0	CHINOOK	118
33	GOW01	Cantrawl	0	CHINOOK	128
33	GOW01	Cantrawl	0	CHINOOK	135
33	GOW01	Cantrawl	0	CHUM	211
33	GOW01	Cantrawl	0	CHUM	206
33	GOW01	Cantrawl	0	CHUM	192
33	GOW01	Cantrawl	0	CHUM	212
33	GOW01	Cantrawl	0	CHUM	213
33	GOW01	Cantrawl	0	CHUM	195

Event	Station	Net	Depth	Species	Fork Length
33	GOW01	Cantrawl	0	CHUM	207
33	GOW01	Cantrawl	0	CHUM	201
33	GOW01	Cantrawl	0	CHUM	199
33	GOW01	Cantrawl	0	CHUM	208
33	GOW01	Cantrawl	0	CHUM	215
33	GOW01	Cantrawl	0	CHUM	208
33	GOW01	Cantrawl	0	CHUM	204
33	GOW01	Cantrawl	0	CHUM	205
33	GOW01	Cantrawl	0	CHUM	199
33	GOW01	Cantrawl	0	CHUM	194
33	GOW01	Cantrawl	0	CHUM	185
33	GOW01	Cantrawl	0	CHUM	213
33	GOW01	Cantrawl	0	CHUM	220
33	GOW01	Cantrawl	0	CHUM	200
33	GOW01	Cantrawl	0	CHUM	209
33	GOW01	Cantrawl	0	CHUM	204
33	GOW01	Cantrawl	0	CHUM	192
33	GOW01	Cantrawl	0	CHUM	190
33	GOW01	Cantrawl	0	CHUM	207
33	GOW01	Cantrawl	0	CHUM	222
33	GOW01	Cantrawl	0	CHUM	220
33	GOW01	Cantrawl	0	CHUM	152
33	GOW01	Cantrawl	0	CHUM	177
33	GOW01	Cantrawl	0	CHUM	200
34	GOW02	Cantrawl	15	CHINOOK	141
34	GOW02	Cantrawl	15	CHINOOK	107
34	GOW02	Cantrawl	15	CHINOOK	131
34	GOW02	Cantrawl	15	CHINOOK	124
34	GOW02	Cantrawl	15	CHINOOK	147
34	GOW02	Cantrawl	15	CHINOOK	125
34	GOW02	Cantrawl	15	CHINOOK	120
34	GOW02	Cantrawl	15	CHINOOK	128
34	GOW02	Cantrawl	15	CHINOOK	119
34	GOW02	Cantrawl	15	CHINOOK	125
34	GOW02	Cantrawl	15	SOCKEYE	140
34	GOW02	Cantrawl	15	SOCKEYE	134
34	GOW02	Cantrawl	15	SOCKEYE	137
34	GOW02	Cantrawl	15	CHUM	208
34	GOW02	Cantrawl	15	CHUM	208
34	GOW02	Cantrawl	15	CHUM	202
34	GOW02	Cantrawl	15	CHUM	204

Event	Station	Net	Depth	Species	Fork Length
34	GOW02	Cantrawl	15	CHUM	210
34	GOW02	Cantrawl	15	CHUM	210
35	GOW03	LFS	15	COHO	245
35	GOW03	LFS	15	COHO	249
35	GOW03	LFS	15	CHUM	183
35	GOW03	LFS	15	SOCKEYE	132
35	GOW03	LFS	15	CHINOOK	163
35	GOW03	LFS	15	CHINOOK	138
35	GOW03	LFS	15	CHINOOK	134
35	GOW03	LFS	15	CHINOOK	154
35	GOW03	LFS	15	CHINOOK	140
35	GOW03	LFS	15	CHINOOK	144
35	GOW03	LFS	15	CHINOOK	138
35	GOW03	LFS	15	CHINOOK	117
35	GOW03	LFS	15	CHINOOK	123
36	GOW04	LFS	0	CHUM	211
36	GOW04	LFS	0	CHUM	209
36	GOW04	LFS	0	CHUM	205
36	GOW04	LFS	0	CHUM	213
36	GOW04	LFS	0	CHUM	217
36	GOW04	LFS	0	CHUM	198
36	GOW04	LFS	0	CHUM	250
36	GOW04	LFS	0	CHUM	193
36	GOW04	LFS	0	CHUM	210
36	GOW04	LFS	0	CHUM	209
36	GOW04	LFS	0	CHUM	207
36	GOW04	LFS	0	CHUM	192
36	GOW04	LFS	0	CHUM	218
36	GOW04	LFS	0	CHUM	226
36	GOW04	LFS	0	CHUM	205
36	GOW04	LFS	0	CHUM	212
36	GOW04	LFS	0	CHUM	205
36	GOW04	LFS	0	CHUM	205
36	GOW04	LFS	0	CHUM	204
36	GOW04	LFS	0	CHUM	193
36	GOW04	LFS	0	CHUM	223
36	GOW04	LFS	0	CHUM	183
36	GOW04	LFS	0	CHUM	251
36	GOW04	LFS	0	CHUM	203
36	GOW04	LFS	0	PINK	220
36	GOW04	LFS	0	PINK	216

Event	Station	Net	Depth	Species	Fork Length
36	GOW04	LFS	0	PINK	200
36	GOW04	LFS	0	PINK	207
36	GOW04	LFS	0	PINK	195
36	GOW04	LFS	0	PINK	197
36	GOW04	LFS	0	PINK	207
36	GOW04	LFS	0	SOCKEYE	150
36	GOW04	LFS	0	SOCKEYE	151
36	GOW04	LFS	0	SOCKEYE	139
36	GOW04	LFS	0	SOCKEYE	137
36	GOW04	LFS	0	CHINOOK	179
36	GOW04	LFS	0	CHINOOK	165
36	GOW04	LFS	0	CHINOOK	141
36	GOW04	LFS	0	COHO	341
36	GOW04	LFS	0	COHO	270
36	GOW04	LFS	0	COHO	269
36	GOW04	LFS	0	COHO	279
36	GOW04	LFS	0	COHO	308
36	GOW04	LFS	0	COHO	245
36	GOW04	LFS	0	COHO	306
36	GOW04	LFS	0	COHO	281
36	GOW04	LFS	0	COHO	279
36	GOW04	LFS	0	COHO	210
36	GOW04	LFS	0	COHO	291
36	GOW04	LFS	0	COHO	300
36	GOW04	LFS	0	COHO	273
36	GOW04	LFS	0	COHO	247
36	GOW04	LFS	0	COHO	265
36	GOW04	LFS	0	COHO	294
36	GOW04	LFS	0	COHO	305
36	GOW04	LFS	0	COHO	276
36	GOW04	LFS	0	COHO	273
36	GOW04	LFS	0	COHO	251
36	GOW04	LFS	0	COHO	235
36	GOW04	LFS	0	COHO	286
36	GOW04	LFS	0	COHO	236
36	GOW04	LFS	0	COHO	269
36	GOW04	LFS	0	COHO	292
36	GOW04	LFS	0	COHO	258
36	GOW04	LFS	0	COHO	261
36	GOW04	LFS	0	COHO	260
36	GOW04	LFS	0	COHO	230

Event	Station	Net	Depth	Species	Fork Length
36	GOW04	LFS	0	COHO	210
36	GOW04	LFS	0	COHO	246
36	GOW04	LFS	0	COHO	269
36	GOW04	LFS	0	COHO	271
36	GOW04	LFS	0	COHO	260
36	GOW04	LFS	0	COHO	233
36	GOW04	LFS	0	COHO	257
39	SNA05	LFS	15	CHUM	220
39	SNA05	LFS	15	CHUM	210
39	SNA05	LFS	15	COHO	276
39	SNA05	LFS	15	COHO	268
39	SNA05	LFS	15	COHO	271
39	SNA05	LFS	15	COHO	269
39	SNA05	LFS	15	COHO	273
39	SNA05	LFS	15	COHO	261
39	SNA05	LFS	15	COHO	253
39	SNA05	LFS	15	COHO	275
39	SNA05	LFS	15	COHO	296
39	SNA05	LFS	15	COHO	273
39	SNA05	LFS	15	COHO	278
39	SNA05	LFS	15	COHO	275
39	SNA05	LFS	15	COHO	305
39	SNA05	LFS	15	COHO	279
39	SNA05	LFS	15	COHO	274
39	SNA05	LFS	15	COHO	264
39	SNA05	LFS	15	COHO	275
39	SNA05	LFS	15	COHO	261
39	SNA05	LFS	15	COHO	259
39	SNA05	LFS	15	COHO	250
39	SNA05	LFS	15	COHO	283
39	SNA05	LFS	15	COHO	270
39	SNA05	LFS	15	COHO	258
39	SNA05	LFS	15	COHO	252
39	SNA05	LFS	15	COHO	260
39	SNA05	LFS	15	COHO	307
40	SNA06	Cantrawl	15	CHINOOK	250
40	SNA06	Cantrawl	15	COHO	245
40	SNA06	Cantrawl	15	COHO	266
40	SNA06	Cantrawl	15	COHO	290
40	SNA06	Cantrawl	15	COHO	258
41	SNA07	Cantrawl	0	CHINOOK	137

Event	Station	Net	Depth	Species	Fork Length
41	SNA07	Cantrawl	0	CHINOOK	133
41	SNA07	Cantrawl	0	CHINOOK	138
41	SNA07	Cantrawl	0	CHINOOK	152
41	SNA07	Cantrawl	0	CHINOOK	118
41	SNA07	Cantrawl	0	SOCKEYE	149
41	SNA07	Cantrawl	0	SOCKEYE	147
41	SNA07	Cantrawl	0	SOCKEYE	138
41	SNA07	Cantrawl	0	SOCKEYE	134
41	SNA07	Cantrawl	0	SOCKEYE	143
41	SNA07	Cantrawl	0	SOCKEYE	141
41	SNA07	Cantrawl	0	SOCKEYE	158
41	SNA07	Cantrawl	0	SOCKEYE	139
41	SNA07	Cantrawl	0	SOCKEYE	147
41	SNA07	Cantrawl	0	COHO	302
41	SNA07	Cantrawl	0	COHO	225
41	SNA07	Cantrawl	0	COHO	237
41	SNA07	Cantrawl	0	COHO	243
41	SNA07	Cantrawl	0	COHO	217
41	SNA07	Cantrawl	0	COHO	237
41	SNA07	Cantrawl	0	COHO	286
41	SNA07	Cantrawl	0	COHO	215
41	SNA07	Cantrawl	0	COHO	264
41	SNA07	Cantrawl	0	COHO	241
41	SNA07	Cantrawl	0	COHO	245
41	SNA07	Cantrawl	0	COHO	246
41	SNA07	Cantrawl	0	COHO	260
41	SNA07	Cantrawl	0	COHO	264
41	SNA07	Cantrawl	0	COHO	245
41	SNA07	Cantrawl	0	COHO	220
41	SNA07	Cantrawl	0	COHO	208
41	SNA07	Cantrawl	0	COHO	254
41	SNA07	Cantrawl	0	COHO	253
41	SNA07	Cantrawl	0	CHUM	218
41	SNA07	Cantrawl	0	CHUM	205
41	SNA07	Cantrawl	0	CHUM	238
41	SNA07	Cantrawl	0	CHUM	229
41	SNA07	Cantrawl	0	CHUM	194
41	SNA07	Cantrawl	0	CHUM	234
41	SNA07	Cantrawl	0	CHUM	212
41	SNA07	Cantrawl	0	CHUM	218
41	SNA07	Cantrawl	0	CHUM	184

Event	Station	Net	Depth	Species	Fork Length
41	SNA07	Cantrawl	0	CHUM	213
41	SNA07	Cantrawl	0	CHUM	220
41	SNA07	Cantrawl	0	CHUM	197
41	SNA07	Cantrawl	0	CHUM	235
41	SNA07	Cantrawl	0	CHUM	245
41	SNA07	Cantrawl	0	CHUM	215
41	SNA07	Cantrawl	0	CHUM	249
41	SNA07	Cantrawl	0	CHUM	198
41	SNA07	Cantrawl	0	CHUM	205
41	SNA07	Cantrawl	0	CHUM	238
41	SNA07	Cantrawl	0	CHUM	200
41	SNA07	Cantrawl	0	CHUM	206
41	SNA07	Cantrawl	0	CHUM	210
41	SNA07	Cantrawl	0	CHUM	193
41	SNA07	Cantrawl	0	CHUM	205
41	SNA07	Cantrawl	0	CHUM	203
41	SNA07	Cantrawl	0	CHUM	188
41	SNA07	Cantrawl	0	CHUM	200
41	SNA07	Cantrawl	0	CHUM	195
41	SNA07	Cantrawl	0	CHUM	202
41	SNA07	Cantrawl	0	CHUM	202
41	SNA07	Cantrawl	0	PINK	188
41	SNA07	Cantrawl	0	PINK	210
41	SNA07	Cantrawl	0	PINK	210
41	SNA07	Cantrawl	0	PINK	200
41	SNA07	Cantrawl	0	PINK	200
41	SNA07	Cantrawl	0	PINK	215
41	SNA07	Cantrawl	0	PINK	185
41	SNA07	Cantrawl	0	PINK	211
41	SNA07	Cantrawl	0	PINK	190
41	SNA07	Cantrawl	0	PINK	197
41	SNA07	Cantrawl	0	PINK	225
41	SNA07	Cantrawl	0	PINK	205
41	SNA07	Cantrawl	0	PINK	194
41	SNA07	Cantrawl	0	PINK	187
41	SNA07	Cantrawl	0	PINK	207
41	SNA07	Cantrawl	0	PINK	205
41	SNA07	Cantrawl	0	PINK	209
41	SNA07	Cantrawl	0	PINK	198
41	SNA07	Cantrawl	0	PINK	200
41	SNA07	Cantrawl	0	PINK	200

Event	Station	Net	Depth	Species	Fork Length
42	SNA08	LFS	0	COHO	215
42	SNA08	LFS	0	COHO	258
42	SNA08	LFS	0	COHO	253
42	SNA08	LFS	0	COHO	254
42	SNA08	LFS	0	COHO	270
42	SNA08	LFS	0	COHO	259
42	SNA08	LFS	0	COHO	296
42	SNA08	LFS	0	COHO	246
42	SNA08	LFS	0	COHO	310
42	SNA08	LFS	0	CHINOOK	263
42	SNA08	LFS	0	CHINOOK	120
42	SNA08	LFS	0	CHINOOK	115
42	SNA08	LFS	0	CHINOOK	117
42	SNA08	LFS	0	CHINOOK	145
42	SNA08	LFS	0	CHINOOK	144
42	SNA08	LFS	0	SOCKEYE	135
42	SNA08	LFS	0	SOCKEYE	137
42	SNA08	LFS	0	SOCKEYE	156
42	SNA08	LFS	0	SOCKEYE	126
42	SNA08	LFS	0	SOCKEYE	125
42	SNA08	LFS	0	SOCKEYE	148
42	SNA08	LFS	0	SOCKEYE	131
42	SNA08	LFS	0	SOCKEYE	133
42	SNA08	LFS	0	SOCKEYE	142
42	SNA08	LFS	0	SOCKEYE	136
42	SNA08	LFS	0	SOCKEYE	148
42	SNA08	LFS	0	SOCKEYE	141
42	SNA08	LFS	0	SOCKEYE	126
42	SNA08	LFS	0	SOCKEYE	138
42	SNA08	LFS	0	SOCKEYE	136
42	SNA08	LFS	0	SOCKEYE	132
42	SNA08	LFS	0	SOCKEYE	132
42	SNA08	LFS	0	SOCKEYE	135
42	SNA08	LFS	0	SOCKEYE	138
42	SNA08	LFS	0	SOCKEYE	135
42	SNA08	LFS	0	SOCKEYE	142
42	SNA08	LFS	0	SOCKEYE	136
42	SNA08	LFS	0	SOCKEYE	125
42	SNA08	LFS	0	SOCKEYE	146
42	SNA08	LFS	0	SOCKEYE	147
42	SNA08	LFS	0	SOCKEYE	135

Event	Station	Net	Depth	Species	Fork Length
42	SNA08	LFS	0	SOCKEYE	155
42	SNA08	LFS	0	SOCKEYE	130
42	SNA08	LFS	0	SOCKEYE	132
42	SNA08	LFS	0	SOCKEYE	139
42	SNA08	LFS	0	PINK	198
42	SNA08	LFS	0	PINK	192
42	SNA08	LFS	0	PINK	222
42	SNA08	LFS	0	PINK	194
42	SNA08	LFS	0	PINK	212
42	SNA08	LFS	0	PINK	217
42	SNA08	LFS	0	PINK	203
42	SNA08	LFS	0	PINK	195
42	SNA08	LFS	0	PINK	201
42	SNA08	LFS	0	PINK	204
42	SNA08	LFS	0	PINK	212
42	SNA08	LFS	0	PINK	206
42	SNA08	LFS	0	PINK	198
42	SNA08	LFS	0	PINK	187
42	SNA08	LFS	0	PINK	201
42	SNA08	LFS	0	PINK	208
42	SNA08	LFS	0	PINK	201
42	SNA08	LFS	0	CHUM	216
42	SNA08	LFS	0	CHUM	200
42	SNA08	LFS	0	CHUM	209
42	SNA08	LFS	0	CHUM	199
42	SNA08	LFS	0	CHUM	195
42	SNA08	LFS	0	CHUM	223
42	SNA08	LFS	0	CHUM	210
42	SNA08	LFS	0	CHUM	228
42	SNA08	LFS	0	CHUM	194
42	SNA08	LFS	0	CHUM	221
42	SNA08	LFS	0	CHUM	224
42	SNA08	LFS	0	CHUM	200
42	SNA08	LFS	0	CHUM	202
42	SNA08	LFS	0	CHUM	196
42	SNA08	LFS	0	CHUM	171
42	SNA08	LFS	0	CHUM	212
42	SNA08	LFS	0	CHUM	210
42	SNA08	LFS	0	CHUM	202
42	SNA08	LFS	0	CHUM	193
42	SNA08	LFS	0	CHUM	211

Event	Station	Net	Depth	Species	Fork Length
42	SNA08	LFS	0	CHUM	212
42	SNA08	LFS	0	CHUM	200
42	SNA08	LFS	0	CHUM	205
42	SNA08	LFS	0	CHUM	216
42	SNA08	LFS	0	CHUM	205
42	SNA08	LFS	0	CHUM	221
42	SNA08	LFS	0	CHUM	205
42	SNA08	LFS	0	CHUM	214
42	SNA08	LFS	0	CHUM	244
42	SNA08	LFS	0	CHUM	203
43	HALI09	Cantrawl	15	CHINOOK	123
43	HALI09	Cantrawl	15	CHINOOK	111
43	HALI09	Cantrawl	15	CHINOOK	143
43	HALI09	Cantrawl	15	CHINOOK	125
43	HALI09	Cantrawl	15	CHINOOK	131
43	HALI09	Cantrawl	15	CHINOOK	119
43	HALI09	Cantrawl	15	CHINOOK	122
43	HALI09	Cantrawl	15	CHINOOK	120
43	HALI09	Cantrawl	15	CHINOOK	129
43	HALI09	Cantrawl	15	CHUM	125
43	HALI09	Cantrawl	15	CHUM	225
43	HALI09	Cantrawl	15	CHUM	211
43	HALI09	Cantrawl	15	CHUM	205
43	HALI09	Cantrawl	15	PINK	196
43	HALI09	Cantrawl	15	PINK	215
43	HALI09	Cantrawl	15	COHO	238
44	HALI06	LFS	15	CHINOOK	120
44	HALI06	LFS	15	CHINOOK	128
44	HALI06	LFS	15	CHINOOK	132
44	HALI06	LFS	15	CHINOOK	118
44	HALI06	LFS	15	CHINOOK	128
44	HALI06	LFS	15	PINK	218
44	HALI06	LFS	15	PINK	216
44	HALI06	LFS	15	PINK	199
44	HALI06	LFS	15	SOCKEYE	140
44	HALI06	LFS	15	COHO	304
44	HALI06	LFS	15	COHO	230
44	HALI06	LFS	15	COHO	228
44	HALI06	LFS	15	COHO	272
44	HALI06	LFS	15	COHO	248
44	HALI06	LFS	15	CHUM	213

Event	Station	Net	Depth	Species	Fork Length
44	HALI06	LFS	15	CHUM	211
44	HALI06	LFS	15	CHUM	222
44	HALI06	LFS	15	CHUM	218
44	HALI06	LFS	15	CHUM	230
44	HALI06	LFS	15	CHUM	191
44	HALI06	LFS	15	CHUM	211
44	HALI06	LFS	15	CHUM	194
44	HALI06	LFS	15	CHUM	236
44	HALI06	LFS	15	CHUM	223
44	HALI06	LFS	15	CHUM	197
44	HALI06	LFS	15	CHUM	218
44	HALI06	LFS	15	CHUM	210
44	HALI06	LFS	15	CHUM	216
44	HALI06	LFS	15	CHUM	221
44	HALI06	LFS	15	CHUM	235
44	HALI06	LFS	15	CHUM	231
44	HALI06	LFS	15	CHUM	206
45	HALI07	LFS	0	CHUM	212
45	HALI07	LFS	0	CHUM	247
45	HALI07	LFS	0	CHUM	208
45	HALI07	LFS	0	CHUM	209
45	HALI07	LFS	0	CHUM	195
45	HALI07	LFS	0	CHUM	205
45	HALI07	LFS	0	CHUM	232
45	HALI07	LFS	0	CHUM	219
45	HALI07	LFS	0	CHUM	212
45	HALI07	LFS	0	CHUM	205
45	HALI07	LFS	0	CHUM	218
45	HALI07	LFS	0	CHUM	266
45	HALI07	LFS	0	CHUM	224
45	HALI07	LFS	0	CHUM	208
45	HALI07	LFS	0	CHUM	228
45	HALI07	LFS	0	CHUM	254
45	HALI07	LFS	0	CHUM	236
45	HALI07	LFS	0	CHUM	188
45	HALI07	LFS	0	CHUM	237
45	HALI07	LFS	0	CHUM	257
45	HALI07	LFS	0	CHUM	235
45	HALI07	LFS	0	CHUM	220
45	HALI07	LFS	0	CHUM	225
45	HALI07	LFS	0	CHUM	205

Event	Station	Net	Depth	Species	Fork Length
45	HALI07	LFS	0	CHUM	200
45	HALI07	LFS	0	CHUM	235
45	HALI07	LFS	0	CHUM	215
45	HALI07	LFS	0	CHUM	215
45	HALI07	LFS	0	CHUM	235
45	HALI07	LFS	0	CHUM	212
45	HALI07	LFS	0	PINK	230
45	HALI07	LFS	0	PINK	210
45	HALI07	LFS	0	PINK	223
45	HALI07	LFS	0	PINK	220
45	HALI07	LFS	0	PINK	205
45	HALI07	LFS	0	PINK	217
45	HALI07	LFS	0	PINK	207
45	HALI07	LFS	0	PINK	215
45	HALI07	LFS	0	PINK	200
45	HALI07	LFS	0	PINK	195
45	HALI07	LFS	0	PINK	235
45	HALI07	LFS	0	PINK	200
45	HALI07	LFS	0	PINK	215
45	HALI07	LFS	0	PINK	190
45	HALI07	LFS	0	PINK	210
45	HALI07	LFS	0	PINK	227
45	HALI07	LFS	0	PINK	205
45	HALI07	LFS	0	PINK	223
45	HALI07	LFS	0	PINK	195
45	HALI07	LFS	0	PINK	240
45	HALI07	LFS	0	PINK	210
45	HALI07	LFS	0	PINK	218
45	HALI07	LFS	0	PINK	235
45	HALI07	LFS	0	PINK	234
45	HALI07	LFS	0	PINK	212
45	HALI07	LFS	0	PINK	227
45	HALI07	LFS	0	PINK	230
45	HALI07	LFS	0	PINK	197
45	HALI07	LFS	0	PINK	215
45	HALI07	LFS	0	PINK	230
45	HALI07	LFS	0	COHO	278
45	HALI07	LFS	0	COHO	290
45	HALI07	LFS	0	COHO	278
45	HALI07	LFS	0	COHO	240
45	HALI07	LFS	0	COHO	324

Event	Station	Net	Depth	Species	Fork Length
45	HALI07	LFS	0	COHO	315
45	HALI07	LFS	0	COHO	280
45	HALI07	LFS	0	COHO	300
45	HALI07	LFS	0	COHO	268
45	HALI07	LFS	0	COHO	280
45	HALI07	LFS	0	COHO	300
45	HALI07	LFS	0	COHO	280
45	HALI07	LFS	0	COHO	245
45	HALI07	LFS	0	COHO	235
45	HALI07	LFS	0	COHO	297
45	HALI07	LFS	0	COHO	275
45	HALI07	LFS	0	CHINOOK	131
45	HALI07	LFS	0	SOCKEYE	140
45	HALI07	LFS	0	SOCKEYE	137
45	HALI07	LFS	0	SOCKEYE	150
45	HALI07	LFS	0	SOCKEYE	131
45	HALI07	LFS	0	SOCKEYE	130
45	HALI07	LFS	0	SOCKEYE	150
45	HALI07	LFS	0	SOCKEYE	155
45	HALI07	LFS	0	SOCKEYE	136
45	HALI07	LFS	0	SOCKEYE	132
46	HALI08	Cantrawl	0	SOCKEYE	145
46	HALI08	Cantrawl	0	COHO	288
46	HALI08	Cantrawl	0	COHO	287
46	HALI08	Cantrawl	0	COHO	282
46	HALI08	Cantrawl	0	COHO	277
46	HALI08	Cantrawl	0	COHO	269
46	HALI08	Cantrawl	0	COHO	269
46	HALI08	Cantrawl	0	COHO	270
46	HALI08	Cantrawl	0	COHO	255
46	HALI08	Cantrawl	0	COHO	256
46	HALI08	Cantrawl	0	COHO	280
46	HALI08	Cantrawl	0	COHO	262
46	HALI08	Cantrawl	0	COHO	299
46	HALI08	Cantrawl	0	PINK	207
46	HALI08	Cantrawl	0	PINK	199
46	HALI08	Cantrawl	0	PINK	225
46	HALI08	Cantrawl	0	PINK	204
46	HALI08	Cantrawl	0	PINK	200
46	HALI08	Cantrawl	0	PINK	228
46	HALI08	Cantrawl	0	PINK	220

Event	Station	Net	Depth	Species	Fork Length
46	HALI08	Cantrawl	0	PINK	208
46	HALI08	Cantrawl	0	PINK	200
46	HALI08	Cantrawl	0	PINK	210
46	HALI08	Cantrawl	0	PINK	210
46	HALI08	Cantrawl	0	PINK	221
46	HALI08	Cantrawl	0	CHUM	206
46	HALI08	Cantrawl	0	CHUM	224
46	HALI08	Cantrawl	0	CHUM	217
46	HALI08	Cantrawl	0	CHUM	242
46	HALI08	Cantrawl	0	CHUM	208
46	HALI08	Cantrawl	0	CHUM	233
46	HALI08	Cantrawl	0	CHUM	220
46	HALI08	Cantrawl	0	CHUM	196
46	HALI08	Cantrawl	0	CHUM	233
46	HALI08	Cantrawl	0	CHUM	215
46	HALI08	Cantrawl	0	CHUM	214
46	HALI08	Cantrawl	0	CHUM	210
46	HALI08	Cantrawl	0	CHUM	210
46	HALI08	Cantrawl	0	CHUM	230
46	HALI08	Cantrawl	0	CHUM	214
46	HALI08	Cantrawl	0	CHUM	212
46	HALI08	Cantrawl	0	CHUM	190
46	HALI08	Cantrawl	0	CHUM	235
46	HALI08	Cantrawl	0	CHUM	208
46	HALI08	Cantrawl	0	CHUM	220
46	HALI08	Cantrawl	0	CHUM	216
46	HALI08	Cantrawl	0	CHUM	252
46	HALI08	Cantrawl	0	CHUM	230
46	HALI08	Cantrawl	0	CHUM	240
46	HALI08	Cantrawl	0	CHUM	213
46	HALI08	Cantrawl	0	CHUM	231
46	HALI08	Cantrawl	0	CHUM	209
46	HALI08	Cantrawl	0	CHUM	248
46	HALI08	Cantrawl	0	CHUM	217
46	HALI08	Cantrawl	0	CHUM	244
46	HALI08	Cantrawl	0	CHUM	185
46	HALI08	Cantrawl	0	CHUM	208
46	HALI08	Cantrawl	0	CHUM	180
46	HALI08	Cantrawl	0	CHUM	233
46	HALI08	Cantrawl	0	CHUM	228
46	HALI08	Cantrawl	0	CHUM	222

Event	Station	Net	Depth	Species	Fork Length
47	ENIL14	LFS	15	COHO	260
47	ENIL14	LFS	15	COHO	253
47	ENIL14	LFS	15	COHO	278
47	ENIL14	LFS	15	CHINOOK	170
47	ENIL14	LFS	15	CHINOOK	234
47	ENIL14	LFS	15	CHINOOK	209
47	ENIL14	LFS	15	CHINOOK	181
47	ENIL14	LFS	15	CHINOOK	234
47	ENIL14	LFS	15	CHINOOK	236
47	ENIL14	LFS	15	CHINOOK	210
47	ENIL14	LFS	15	CHINOOK	175
47	ENIL14	LFS	15	CHINOOK	249
48	ENIL15	Cantrawl	0	PINK	192
48	ENIL15	Cantrawl	0	PINK	197
48	ENIL15	Cantrawl	0	PINK	205
48	ENIL15	Cantrawl	0	PINK	220
48	ENIL15	Cantrawl	0	PINK	210
48	ENIL15	Cantrawl	0	PINK	202
48	ENIL15	Cantrawl	0	PINK	203
48	ENIL15	Cantrawl	0	CHINOOK	189
48	ENIL15	Cantrawl	0	CHINOOK	208
48	ENIL15	Cantrawl	0	CHINOOK	203
48	ENIL15	Cantrawl	0	CHINOOK	195
48	ENIL15	Cantrawl	0	CHINOOK	167
48	ENIL15	Cantrawl	0	CHINOOK	211
48	ENIL15	Cantrawl	0	CHINOOK	228
48	ENIL15	Cantrawl	0	CHINOOK	192
48	ENIL15	Cantrawl	0	CHUM	208
48	ENIL15	Cantrawl	0	CHUM	256
48	ENIL15	Cantrawl	0	CHUM	213
48	ENIL15	Cantrawl	0	CHUM	221
48	ENIL15	Cantrawl	0	CHUM	227
48	ENIL15	Cantrawl	0	CHUM	225
48	ENIL15	Cantrawl	0	CHUM	217
48	ENIL15	Cantrawl	0	CHUM	221
48	ENIL15	Cantrawl	0	CHUM	195
48	ENIL15	Cantrawl	0	CHUM	210
48	ENIL15	Cantrawl	0	CHUM	215
48	ENIL15	Cantrawl	0	COHO	245
48	ENIL15	Cantrawl	0	COHO	293
48	ENIL15	Cantrawl	0	COHO	252

Event	Station	Net	Depth	Species	Fork Length
48	ENIL15	Cantrawl	0	COHO	260
48	ENIL15	Cantrawl	0	COHO	268
48	ENIL15	Cantrawl	0	COHO	253
48	ENIL15	Cantrawl	0	COHO	292
48	ENIL15	Cantrawl	0	COHO	249
49	ENIL16	Cantrawl	15	CHUM	218
49	ENIL16	Cantrawl	15	CHUM	220
49	ENIL16	Cantrawl	15	PINK	229
49	ENIL16	Cantrawl	15	COHO	269
49	ENIL16	Cantrawl	15	COHO	254
49	ENIL16	Cantrawl	15	COHO	283
49	ENIL16	Cantrawl	15	COHO	279
49	ENIL16	Cantrawl	15	COHO	259
49	ENIL16	Cantrawl	15	COHO	242
49	ENIL16	Cantrawl	15	COHO	244
49	ENIL16	Cantrawl	15	COHO	286
49	ENIL16	Cantrawl	15	COHO	275
49	ENIL16	Cantrawl	15	COHO	238
49	ENIL16	Cantrawl	15	COHO	246
49	ENIL16	Cantrawl	15	COHO	272
49	ENIL16	Cantrawl	15	COHO	269
49	ENIL16	Cantrawl	15	COHO	221
49	ENIL16	Cantrawl	15	COHO	262
49	ENIL16	Cantrawl	15	COHO	248
49	ENIL16	Cantrawl	15	COHO	276
49	ENIL16	Cantrawl	15	COHO	237
49	ENIL16	Cantrawl	15	COHO	243
50	ENIL17	LFS	0	CHINOOK	230
50	ENIL17	LFS	0	CHINOOK	263
50	ENIL17	LFS	0	CHINOOK	258
50	ENIL17	LFS	0	PINK	222
50	ENIL17	LFS	0	PINK	237
50	ENIL17	LFS	0	PINK	210
50	ENIL17	LFS	0	PINK	199
50	ENIL17	LFS	0	PINK	192
50	ENIL17	LFS	0	PINK	205
50	ENIL17	LFS	0	PINK	202
50	ENIL17	LFS	0	PINK	254
50	ENIL17	LFS	0	PINK	212
50	ENIL17	LFS	0	PINK	185
50	ENIL17	LFS	0	PINK	205

Event	Station	Net	Depth	Species	Fork Length
50	ENIL17	LFS	0	PINK	218
50	ENIL17	LFS	0	PINK	223
50	ENIL17	LFS	0	PINK	204
50	ENIL17	LFS	0	PINK	224
50	ENIL17	LFS	0	PINK	212
50	ENIL17	LFS	0	PINK	199
50	ENIL17	LFS	0	PINK	243
50	ENIL17	LFS	0	PINK	202
50	ENIL17	LFS	0	PINK	232
50	ENIL17	LFS	0	PINK	202
50	ENIL17	LFS	0	PINK	210
50	ENIL17	LFS	0	PINK	190
50	ENIL17	LFS	0	PINK	220
50	ENIL17	LFS	0	PINK	212
50	ENIL17	LFS	0	PINK	222
50	ENIL17	LFS	0	PINK	188
50	ENIL17	LFS	0	PINK	215
50	ENIL17	LFS	0	PINK	193
50	ENIL17	LFS	0	PINK	195
50	ENIL17	LFS	0	PINK	196
50	ENIL17	LFS	0	PINK	210
50	ENIL17	LFS	0	PINK	200
50	ENIL17	LFS	0	PINK	183
50	ENIL17	LFS	0	PINK	221
50	ENIL17	LFS	0	PINK	220
50	ENIL17	LFS	0	PINK	223
50	ENIL17	LFS	0	PINK	180
50	ENIL17	LFS	0	CHUM	218
50	ENIL17	LFS	0	CHUM	229
50	ENIL17	LFS	0	CHUM	208
50	ENIL17	LFS	0	CHUM	225
50	ENIL17	LFS	0	CHUM	225
50	ENIL17	LFS	0	CHUM	223
50	ENIL17	LFS	0	CHUM	200
50	ENIL17	LFS	0	CHUM	218
50	ENIL17	LFS	0	CHUM	195
50	ENIL17	LFS	0	CHUM	224
50	ENIL17	LFS	0	CHUM	201
50	ENIL17	LFS	0	CHUM	238
50	ENIL17	LFS	0	CHUM	172
50	ENIL17	LFS	0	CHUM	236

Event	Station	Net	Depth	Species	Fork Length
50	ENIL17	LFS	0	CHUM	225
50	ENIL17	LFS	0	CHUM	232
50	ENIL17	LFS	0	CHUM	205
50	ENIL17	LFS	0	CHUM	221
50	ENIL17	LFS	0	CHUM	188
50	ENIL17	LFS	0	CHUM	227
50	ENIL17	LFS	0	CHUM	238
50	ENIL17	LFS	0	CHUM	203
50	ENIL17	LFS	0	CHUM	220
50	ENIL17	LFS	0	CHUM	184
50	ENIL17	LFS	0	CHUM	237
50	ENIL17	LFS	0	CHUM	215
50	ENIL17	LFS	0	CHUM	220
50	ENIL17	LFS	0	CHUM	209
50	ENIL17	LFS	0	CHUM	205
50	ENIL17	LFS	0	COHO	255
50	ENIL17	LFS	0	COHO	282
50	ENIL17	LFS	0	COHO	279
50	ENIL17	LFS	0	COHO	273
50	ENIL17	LFS	0	COHO	285
50	ENIL17	LFS	0	COHO	281
50	ENIL17	LFS	0	COHO	269
50	ENIL17	LFS	0	COHO	246
50	ENIL17	LFS	0	COHO	268
50	ENIL17	LFS	0	COHO	288
50	ENIL17	LFS	0	COHO	269
50	ENIL17	LFS	0	COHO	236
50	ENIL17	LFS	0	COHO	300
50	ENIL17	LFS	0	COHO	236
50	ENIL17	LFS	0	COHO	260
50	ENIL17	LFS	0	COHO	265
50	ENIL17	LFS	0	COHO	270
50	ENIL17	LFS	0	COHO	282
50	ENIL17	LFS	0	COHO	295
50	ENIL17	LFS	0	COHO	245
50	ENIL17	LFS	0	COHO	265
50	ENIL17	LFS	0	COHO	264
50	ENIL17	LFS	0	COHO	287
50	ENIL17	LFS	0	COHO	280
50	ENIL17	LFS	0	COHO	243
50	ENIL17	LFS	0	COHO	265

Event	Station	Net	Depth	Species	Fork Length
50	ENIL17	LFS	0	COHO	285
50	ENIL17	LFS	0	COHO	272
50	ENIL17	LFS	0	COHO	249
50	ENIL17	LFS	0	COHO	260