



Plankton Net Tow Log Sheet

Cruise #: 2022-001 Vessel: JPT Page: 1

Project(s): Line P

Contact: Moira Galbraith

TSK Serial #: 7129

RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 3 March 2022	Station: H2059	Time: LOCAL
Net Event # 4	CTD # 3	
Latitude: deg min.dec	N Longitude: deg min.dec	W
Wire out: 30	Wire angle:	Bottom Depth:
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
		Non-flow = pickled

Notes: A-frame trouble booming out => Cast cancelled

Date: 3 March 2022	Station: JF2	Time: 04:07-20:16 LOCAL
Net Event # 8	CTD # 7	
Latitude: 48° 18.14 N	Longitude: 124° 00.674 W	
deg min.dec	deg min.dec	
Wire out: 174	Wire angle: 30°	Bottom Depth: 189
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
61624	65248	Non-flow = pickled

Notes: Frozen => 3x Fish, 1x CAL, 1x shrimp, 1x THEPA, 5x PLUBA, 1x SIPH => 8 to 4
4x EUPPA => -80°C for CAT STEVENS + 1x THYSP

Date: 04/03/22	Station: P2	Time: 0600 LOCAL
Net Event # 13	CTD # 12	1400 JZ
Latitude: 48 36.09 N	Longitude: 126 00.04 W	
deg min.dec	deg min.dec	
Wire out: 110	Wire angle: 0	Bottom Depth: 115
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
65248	66130	Non-flow = pickled

Notes:

Date: 04/03/22	Station: P4	Time: 1001 LOCAL
Net Event # 16	CTD # 19	1012
Latitude: 48 39.027 N	Longitude: 126 40.127 W	
deg min.dec 112	deg min.dec 39.934	
Wire out: 250	Wire angle: 10	Bottom Depth: 1316
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
66132	67998	Non-flow = pickled

Notes:



Plankton Net Tow Log Sheet

Cruise #: 2022001 Vessel: *P TULLY* Page: 2

Project(s): *LINE P* Contact: *Maura Galbraith*

TSK Serial #: *7129* RBR serial #: *78726-78976*

Time offset = + hrs = UTC (please record local time for samples)

Date: <i>04.03.22</i>	Station: <i>P4</i>	Time: <i>11:11</i>	LOCAL
Net Event # <i>17</i>	CTD # <i>19</i>		
Latitude: <i>48</i> <i>39.132</i> N		Longitude: <i>126</i> <i>40.114</i> W	
deg min.dec		deg min.dec	
Wire out: <i>1200</i>	Wire angle: <i>0</i>	Bottom Depth: <i>1311</i>	
Net Type: <i>BONGO</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>67998</i>	<i>76660</i>	Non-flow = pickled	

Notes: *Frozen side => EtoH*
Formaline side => kFish (probs viper), 1x gammarid, 1x Aetideus? => EtoH

Date: <i>4 Mar 2022</i>	Station: <i>P4</i>	Time: <i>11:39</i>	LOCAL
Net Event # <i>18</i>	CTD # <i>19</i>		
Latitude: <i>48</i> <i>39.172</i> N		Longitude: <i>126</i> <i>40.050</i> W	
deg min.dec		deg min.dec	
Wire out: <i>50</i>	Wire angle: <i>8</i>	Bottom Depth: <i>1320</i>	
Net Type: <i>Mini</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>62968</i>	<i>63340</i>	Non-flow = pickled	

Notes: *Formalin side => EtoH* *Frozen side => Olivia -> 15 SPUM*
= TSK 53335

Date: <i>06.03.22</i>	Station: <i>P12</i>	Time: <i>07:09</i>	LOCAL
Net Event # <i>35</i>	CTD # <i>34</i>	<i>0721</i>	
Latitude: <i>48</i> <i>58.478</i> N		Longitude: <i>130</i> <i>40.630</i> W	
deg min.dec <i>728</i>		deg min.dec <i>019</i>	
Wire out: <i>250</i>	Wire angle: <i>20</i>	Bottom Depth: <i>3058</i>	
Net Type: <i>Bongo</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>76612</i>	<i>78555</i>	Non-flow = pickled	

Notes:

Date: <i>06.03.22</i>	Station: <i>P12</i>	Time: <i>07:40</i>	LOCAL
Net Event # <i>36</i>	CTD # <i>34</i>	<i>0828</i>	
Latitude: <i>48</i> <i>58.320</i> N		Longitude: <i>130</i> <i>39.955</i> W	
deg min.dec <i>728</i>		deg min.dec <i>952</i>	
Wire out: <i>1200</i>	Wire angle: <i>12</i>	Bottom Depth: <i>3082</i>	
Net Type: <i>Bongo</i>	Tow Type: <i>VNH</i>		
Flow start	Flow end	Flow = frozen	
<i>78555</i>	<i>910518</i>	Non-flow = pickled	

Notes:

1 CNL, 12 CONCHARIDAE, 1 AUL, 15 CAD -> OLIVIA ETOH SIDE



Plankton Net Tow Log Sheet

Cruise #: 2022-001 Vessel: SPT Page: 3

Project(s): Line P

Contact: Moin Guelbrith

TSK Serial #: 7129

RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 7 Mar 2022	Station: P16	Time: 1425 LOCAL
Net Event # 47	CTD # 46	1443
Latitude: 49 17.0 N	Longitude: 134 39.78 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 6°	Bottom Depth: 3630
Net Type: BON60	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
90519	92781	Non-flow = pickled

Notes: Formalin → Released one salmonids
Frozen → removed ~100 GLO, ~10 CAD, ~20 SPV, 1 ORB--

Date: 7 Mar 2022	Station: P16	Time: 1456 LOCAL
Net Event # 48	CTD # 46	1459
Latitude: 49 16.98 N	Longitude: 134 40.00 W	
deg min.dec	deg min.dec	14
Wire out: 1200	Wire angle: 0	Bottom Depth: 3630
Net Type: BON60	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
92781	02275	Non-flow = pickled

Notes: Formalin → Released 2 salmonids.
Frozen → removed ~5 SPV, 3 CAD, 30 GLO + 10 seethrough swimming

Frozen side
(in ETOH)

Date: 9 March 2022	Station: P70	Time: 12:27 PST LOCAL
Net Event # 63	CTD # 61	0027
Latitude: 49 33.893 N	Longitude: 138 40.240 W	
deg min.dec	deg min.dec	
Wire out: 250	Wire angle: 0	Bottom Depth: 3954
Net Type: BON60	Tow Type: VNH	
Flow start 02276	Flow end 4452	Flow = frozen
		Non-flow = pickled

Notes:

Picked
31 PSE--
+ 15 MEST
→ -80°C

Date: 09.03.22	Station: P20	Time: 0424 PST LOCAL
Net Event # 64	CTD # 61	0129
Latitude: 49 33.948 N	Longitude: 138 40.228 W	
deg min.dec	deg min.dec	
Wire out: 1200	Wire angle: 0	Bottom Depth: 3954
Net Type: BON60	Tow Type: VNH	
Flow start 4452	Flow end 13803	Flow = frozen
		Non-flow = pickled

Notes:

CHANGED TO 13903



Plankton Net Tow Log Sheet

Cruise #: 2022-001 Vessel: TULLY Page: 4
Project(s): LINE P Contact: MOIRA GALBRAITH
TSK Serial #: 7129 RBR serial #: 78976
Time offset = + hrs = UTC (please record local time for samples)

Date: 10 MAR 2021	Station: P26	Time: 10 26 LOCAL
Net Event # 81	CTD # 80	1826 UR
Latitude: 49° 59.93 N	Longitude: 144° 59.91 W	
deg min dec	deg min dec	
Wire out: 250	Wire angle: 8	Bottom Depth: 4250
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
13903	16838	Non-flow = pickled

Notes:

Date: 10 Mar 2022	Station: P26	Time: 1605 PST LOCAL
Net Event # 84	CTD # 82	
Latitude: 49° 59.906 N	Longitude: 144° 59.400 W	
deg min dec	deg min dec	
Wire out: 1200	Wire angle: 0	Bottom Depth: 3997
Net Type: BONGO	Tow Type: VNH	
Flow start	Flow end	Flow = frozen
16839	26968	Non-flow = pickled

Notes: Formalin → Released one AEG --
Frozen → Pickled in 560H // EUPPA adults → -80°C } for oliv
THVSP adults → -80°C } Cat picked some
Amizaria

Date: 14.03.22	Station: SCOTT 2	Time: 02 15 PDT V16 LOCAL
Net Event # 100	CTD # 99	
Latitude: 51° 7.376 N	Longitude: 129° 27.739 W	
deg min dec	deg min dec	
Wire out: 280	Wire angle: 16	Bottom Depth: 290
Net Type: BONGO	Tow Type: VNH	
Flow start 26968	Flow end 31168	Flow = frozen
		Non-flow = pickled

Notes:

Date: 14.03.22	Station: HAK 1	Time: 0937 LOCAL
Net Event # 102	CTD # 103	
Latitude: 51° 42.638 N	Longitude: 128° 13.736 W	
deg min dec	deg min dec	
Wire out: 135	Wire angle: 15	Bottom Depth:
Net Type: BONGO	Tow Type: VNH	
Flow start 31192	Flow end 32415	Flow = frozen
		Non-flow = pickled

Notes:

32515

↑ Dial was near 5, which would have been a 49, not 41, ∴ 32515



Plankton Net Tow Log Sheet

Cruise #: 2022001 Vessel: JPT Page: 5

Project(s): LINE P

Contact: Moira Gualbrnith

TSK Serial #: 7129

RBR serial #: 78976

Time offset = +

hrs = UTC (please record local time for samples)

Date: 14 Mar 2022	Station: De02	Time: 1654	LOCAL
Net Event # 108	CTD # 107		
Latitude: 52 16 882 N		Longitude: 127 39 347 W	
deg min dec		deg min dec	
Wire out: 350	Wire angle: 5	Bottom Depth: 360	
Net Type: BONG0	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
32515	34572	Non-flow = pickled	

Notes: Frozen => EtoH

Date: 14 March 22	Station: De06	Time: 2128	LOCAL
Net Event # 113	CTD # 112		
Latitude: 52 29 373 N		Longitude: 127 14 614 W	
deg min dec		deg min dec	
Wire out: 488	Wire angle: 0	Bottom Depth: 498	
Net Type: BONG0	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
34571	37456	Non-flow = pickled	

Notes: Flow => Removed 40xMIL-q + 32PSE--q for Cat Stevens

Date: 15.03.22	Station: De09	Time: 01:18 PDT	LOCAL
Net Event # 117	CTD # 118		
Latitude: 52 43.916 N		Longitude: 126 57.306 W	
deg min dec		deg min dec	
Wire out: 447	Wire angle: 5	Bottom Depth: 457	
Net Type: BONG0	Tow Type: VNH		
Flow start	Flow end	Flow = frozen	
37460	40174	Non-flow = pickled	

Notes:

40075

Flow REMOVED COPS FOR WIPIDS FOR CAT

Date: 15 Mar 2022	Station: B28	Time: 1414	LOCAL
Net Event # 124	CTD # 123		
Latitude: 52 19.421 N		Longitude: 127 10.767 W	
deg min dec		deg min dec	
Wire out: 556	Wire angle: 0	Bottom Depth: 5640	
Net Type: BONG0	Tow Type: VNH		
Flow start	Flow end	Flow = frozen ETOH	
40075	43319	Non-flow = pickled	

Notes:

Flow =

Frozen => EtoH



Plankton Net Tow Log Sheet

Cruise #: 2022001 Vessel: JAGUARY Page: 6
Project(s): LINE P Contact: MOIRA
TSK Serial #: 7129 RBR serial #: 78976
Time offset = + hrs = UTC (please record local time for samples)

Date: <u>16-03-22</u>	Station: <u>Bur S</u>	Time: <u>04:50</u> <u>PDT</u> <u>LOCAL</u>
Net Event # <u>139</u>	CTD # <u>138</u>	
Latitude: <u>52</u> <u>11.991</u> <u>N</u>	Longitude: <u>127</u> <u>28.767</u> <u>W</u>	
deg min.dec	deg min.dec	
Wire out: <u>581</u>	Wire angle: <u>0</u>	Bottom Depth: <u>591</u>
Net Type: <u>BONGO</u>	Tow Type: <u>VNH</u>	
Flow start	Flow end	Flow = frozen
<u>43320</u>	<u>46713</u>	Non-flow = pickled

Notes:

Date: <u>16-03-22</u>	Station: <u>KC10</u>	Time: <u>1139</u> <u>LOCAL</u>
Net Event # <u>144</u>	CTD # <u>145</u>	
Latitude: <u>51</u> <u>39</u> <u>027</u> <u>N</u>	Longitude: <u>127</u> <u>57</u> <u>116</u> <u>W</u>	
deg min.dec	deg min.dec	
Wire out: <u>310</u>	Wire angle: <u>8</u>	Bottom Depth: <u>318</u>
Net Type: <u>BONGO</u>	Tow Type: <u>VNH</u>	
Flow start	Flow end	Flow = frozen
<u>46715</u>	<u>48615</u>	Non-flow = pickled

Notes: Flow $\Rightarrow$ 2 Euphausiids $\Rightarrow$ -80°C
Frozen $\Rightarrow$ EtOH // 4 Euphausiids $\Rightarrow$ -80°C

Date: <u>16-03-22</u>	Station: <u>CPE 1</u>	Time: <u>2750</u> <u>LOCAL</u>
Net Event # <u>148</u>	CTD # <u>147</u>	
Latitude: <u>50</u> <u>59</u> <u>814</u> <u>N</u>	Longitude: <u>127</u> <u>49</u> <u>817</u> <u>W</u>	
deg min.dec	deg min.dec	
Wire out: <u>147</u>	Wire angle: <u>7</u>	Bottom Depth: <u>157</u>
Net Type: <u>BONGO</u>	Tow Type: <u>VNH</u>	
Flow start	Flow end	Flow = frozen
<u>48615</u>	<u>49645</u>	Non-flow = pickled

Notes: Frozen $\Rightarrow$ EtOH

Date:	Station:	Time:	<u>LOCAL</u>
Net Event #	CTD #		
Latitude:	N	Longitude:	W
deg min.dec		deg min.dec	
Wire out:	Wire angle:	Bottom Depth:	
Net Type:	Tow Type:		
Flow start	Flow end	Flow = frozen	
		Non-flow = pickled	

Notes:

STN	DEPTH	WIRE OUT	FLOW IN	FLOW OUT	L°
Har 54	200	190	61627	Skipped	
JFZ	189	179	61628	65248	30
P2	118	110	65248	66130	0
P4	1311	250	66132	67998	10
		1200	67998	76660	0
MINI 5333		50	62968	63340	8
P12	3235	250	76612	78555	20
		1200	78555	90518	12
P16	3632	250	90519	92781	6
		1200	92781	02275	0
P20	3956	250	02276	4452	0
		1200	4452	13903	0
P26	4250	250	13903	16838	8
	4252	1200	16839	26968	0
Scott 2	290	280	26968	31168	16
HAK1	145	135	31192	32415	13
De02	360	350	32515	34572	5
De06	494	486	34571	37456	0
De09	457	447	37460	40174	5
Burg	566	556	40075	43319	0
Bur 5	591	581	43320	46713	0
KC10	310	310	46715	48615	8
CPE1	157	147	48615	49645	7

Rite in the Rain