



Ecofish Research Ltd.  
Suite F, 450 8th Street,  
Courtenay, B.C., V9N 1N5

### Bismarck Brown Dyeing

Project: 1335-FULMORE-RST

Waterbody:

FULMORE

Camera #:

112 - SEE ASSOCIATED FISH DATA

Crew: MKM, CJE,

Date:

01-MAY-24

1+ SK Bin Size: < 120

2+ SK Bin Size: > 120

#### Fish Count Data

Total # Fish Captured During Morning Trap Check				Total # Fish Transported				ADIPOSE		Total # Fish CLIPPED		Total # Fish Released				Comments
0+ SK	1+ SK	2+ SK	Other	0+ SK	1+ SK	2+ SK	Other	0+ SK	1+ SK	2+ SK	Other	0+ SK	1+ SK	2+ SK	Other	
Ø	34	8	COHO 22	Ø	31	8	COHO 20	Ø	31	8	COHO 20	Ø	31	8	COHO 20	

#### Dye Info (Bath #1)

Bismarck Brown Weight	# of 5-Gallon Buckets	# Bubblers Per Bath	Start Time	Start Water Temp	Start Water DO	15-min Water Temp	15-min Water DO	30-min Water Temp	30-min Water DO	45-min Water Temp	45-min Water DO	End Time	End Water Temp	End Water DO	Comments
N/A															

#### Dye Info (Bath #2)

Bismarck Brown Weight	# of 5-Gallon Buckets	# Bubblers Per Bath	Start Time	Start Water Temp	Start Water DO	15-min Water Temp	15-min Water DO	30-min Water Temp	30-min Water DO	45-min Water Temp	45-min Water DO	End Time	End Water Temp	End Water DO	Comments

#### Morts, Pre-Release Holding, Release Information

# Morts During Transport	# Morts During Dyeing	Time (when fish are placed in brood tubes)	River Temp (when fish are placed in tubes)	# Brood Tubes Used	# Morts in Brood Tubes After Holding	# Fish Held for Mark Retention	Fish Release Time	# Fish Held for Mark Retention	Release Location (RR, MC, RL)	Comments
Ø	N/A	14:28	12.3	1	Ø	Ø	21:30	Ø	RR MLRR	

#### Additional Comments

NO BISMARCK TODAY. THIS FORM IS TO DOCUMENT TRANSPORT & RELEASE OF SMOLTS MARKED WITH ADIPOSE FIN CLIP

D.O: 10.4mg/L @ 14:31 } FISH PLACED INTO BROOD TUBE  
TEMP: 12.3°C @ 14:31

D.O: 10.5mg/L @ 21:32 } TIME OF FISH RELEASE  
TEMP: 11.4°C @ 21:32



FISH SAMPLING DATA

Project Code: 1335		Site Name: FLM-RST01		Crew: MKM, CSC									
Wardbody: FULMORE		Date: 01-MAY-24		Method: RST									
Fish #		Species	Life Stage	Foot Length (mm)	Weight (g)	Origin (miles or hatches)	Age Sample	DNA Sample	Recap (Y/N)	Method	Condition (possible damage to fish from RST)	Camera Number	Comment
1	MARKED	WHITE	BISMARCK DYE	YESTERDAY, HOWEVER DYE WAS MOSTLY UN-DETECTABLE,									
2	MARKING	TODAY'S CATCH	WITH ADIPOSE FIN CLIP,										
3													
4	CO	FRY	EST. 45.	—	W	—	—	—	N	NO	*MORT IN REAR SCREEN OF TRAP BOX		
5	CO	FRY	37						N	NO			
6	CO	SMOLT	95						Y	Y			
7	CO	SMOLT	115						Y	Y			
8	SK	SMOLT	100						Y	Y	SL-L5	28-29	
9	CO	SMOLT	126						Y	Y	MAWA	30-31	
10	CO	FRY	41						N	NO		32	
11	SK	SMOLT	100						Y	Y		33-34	CAVEL WOUND
12	CO	SMOLT	116						Y	Y		35-37	
13	CO	SMOLT	130						Y	Y		38-40	LC Dams
14	SK	SMOLT	101						Y	Y			
15	CO	FRY	47						NO	NO			
16	SK	SMOLT	113						Y	Y			
17	SK	SMOLT	106						YES	NO	NOT TRANSFERRED, RELEASED D/STRAP.	41-45	Fast Dye 1 Pect
18	CO	SMOLT	109						Y	Y			
19	CO	SMOLT	109						YES	NO	RELEASED D/STRAP	46-50	Fast Dye R Pect
20	SK	SMOLT	94						Y	Y		46	
21	SK	SMOLT	140						Y	Y		51-52	SL-L5
22	CO	SMOLT	91						Y	Y			
23	CO	SMOLT	111						Y	Y			
24	CO	SMOLT	95						Y	Y			
25	SK	SMOLT	108						Y	Y			
26	CO	SMOLT	101						Y	Y			
27	CO	SMOLT	111						Y	Y			
28	CO	SMOLT	91						Y	Y			
29	SK	SMOLT	104						Y	Y			SL CAUTIONS
30	SK	SMOLT	101						NO	NO	Release D/STRAP	53-55	Long wound CAVEL

BISMARCK NOT VERY DETECTABLE - SWITCHING TO ADIPOSE FIN CLIP



## FISH SAMPLING DATA

Pg 2 of 4

Project Code: 1335		Site Name: FLM-RST 01		Crew: MKM, CSC								
Wardbody: FULMORE		Date: 01-MAY-24		Method: RST								
Fish #	Species	Life Stage	Fork Length (mm)	Weight (g)	Origin (wild or hatchery)	Age Sample	DNA Sample	Recap (Y/N)	Fin Clipped?	Condition (possible damage to fish from RST)	Photos	Comment
1	SK	smolt	108						FIN CLIPPED			
2	SK	smolt	108						Y			
3	SK	smolt	99						Y			
4	SK	smolt	101						Y			
5	SK	smolt	108						Y			
6	SK	smolt	117						Y			
7	SK	smolt	147						Y			
8	CO	smolt	109						Y			
9	CO	smolt	94						Y			
10	SK	smolt	95						Y			
11	SK	smolt	98						Y			
12	SK	smolt	109						Y			
13	CO	smolt	96						Y			
14	CO	smolt	96						Y			
15	SK	smolt	115						Y			SL-BS Predation
16	SK	smolt	116						Y			
17	SK	smolt	107						Y			
18	SK	smolt	107						Y			
19	SK	smolt	104						Y			
20	SK	smolt	140						Y			SL-BS-Pred
21	CO	Fry	35						NO			
22	CO	smolt	100						Y			
23	CO	smolt	111						Y			Dent Near Anterior
24	SK	smolt	144						Y			SB-58 Dent in Anterior
25	CUT	Juv	115	25.0					NO			SB-60 Fat Belly
26	CUT	Juv	144	46.0					NO			61-62 Fat Belly
27	CC	—	121						NO			
28	CC	—	122						NO			
29	CC	—	71						NO			
30	CC	—	90						NO			



## FISH SAMPLING DATA

Project Code: 1335		Site Name: FLM-RST01		Crew: MKM, CTC								
Wardbody: FULMORE		Date: 01-MAY-23		Method: RST								
				Camera Number: 112								
Fish #	Species	Lifestage	Fork Length (mm)	Weight (g)	Origin (wild or hatchery)	Age Sample	DNA Sample	Recap (Y/N)	FIN CLIPPED?	Condition (possible damage to fish from RST)	Photos	Comment
1									FIN CLIPPED?			
2	CC		31						NO			
3	CC		32						NO			
4	CC		32						NO			
5	CO	Fry	36						NO			
6	CC		36						NO			
7	1AMP		80						NO			
8	CC		29						NO			
9	1AMP		110						NO			
10	CT		252	234					NO		63	
11	CO	Fry	38						NO			
12	SK	Smolt	107						Y			
13	SK	Smolt	105						Y			
14	SK	Smolt	109						Y			
15	CO	Fry	37						NO			SL loss BS Pred
16	SK	Smolt	95						Y			
17	SK	Smolt	110						Y			
18	SK	Smolt	105						Y			
19	SK	Smolt	137						Y			
20	SK	Smolt	106						Y			
21	SK	Smolt	108						Y			
22	SK	Smolt	105						Y			
23	CO	Smolt	111						Y			
24	CO	Smolt	94						Y			
25	SK	Smolt	108						Y			
26	SK	Smolt	148						Y			
27	SK	Smolt	104						Y			
28	SK	Smolt	128						Y			
29	CO	Smolt	115						Y			
30	CC		31						NO			



## FISH SAMPLING DATA

Project Code: 1335		Site Name: FLM-RST-01		Crew: MKM CTC		Camera Number: 112						
Wardbody: FULMORE		Date: 01-MAY-24		Method: RST								
Fish #	Species	Libeage	Fork Length (mm)	Weight (g)	Origin (wild or hatchery)	Age Sample	DNA Sample	Recap (Y/N)	Recap Mark ID	Condition (possible damage to fish from RST)	Photos	Comment
1	CT								FIN CLIPPED?			
2	CT		135	38.9					NO		64-65	
3												
4												
5												
6												
7												
8												
9												
10	PREVIOUSLY MEASURED & IN BISMARCK (4 HRS) ON 30-APR-24 - RETAINED IN											
11	BROOD TUBE @ RST SITE OVERNIGHT.											
12	SK	Smolt	118							MORT.	66-71	<del>MORT</del> Some AYA (Not Retained)
13	CO	Smolt	121							MORT.	72-75	ONE SPECK DYE DET. FIN
14	GD	Smolt	87							MORT.	76-78	MORT. No Dye Detect
15	SK	Smolt	98							MORT.	79-83	MORT TINY SPEC. DYE DET. FINS - CAUDAL WEAR.
16	CO	Smolt	79								84-85	NO DYE DETECTED, CRODAL WEAR
17	SK	Smolt	118								86-89	NEAR DEATH / ROUGH SHAPE
18	SK	Smolt	152								90-94	NEAR DEATH / ROUGH SHAPE
19	CO	Smolt	148								95-96	NEAR DEATH / ROUGH SHAPE
20	END											
21												
22												
23	EVENING TRAP CHECK - 2:00 HRS											
24												
25	CT	AD.	250	248.8		5-01	FC01	N			997	
26												
27												
28												
29												
30												