

ALASKA LEGISLATURE SPECIAL COMMITTEE/SUBJECT FILES 8672

2898 SCOMM 126: HOUSE SPECIAL COMMITTEE ON FISHERIES, 2001-02

Sec. 2 - Element 18: OP_TC
Outlet Pool Tailcrest Depth

Rev. 5/99

Regional Data Field

1. Instructions

2. Valid Values (codes)

0.0 through 99

3. Units

Feet

4. Accuracy/Precision

+/- 0.1 feet/0.1 feet

Sec. 2 - Element 19: CUL_G
Culvert Gradient

Rev. 5/99

Regional Data Field

1. Instructions

Culvert Gradient refers to the gradient at which the culvert is laid.

2. Valid Values (codes)

0 through 99

3. Units

Percent Gradient

4. Accuracy/Precision

+/- 1%

Sec. 2 - Element 20: SGN_TYP

Rev. 5/99

Sign Type

Regional Data Field

1. Instructions

Record the code for type of forest road sign using standard Forest Service sign codes. If milepost sign, simply enter milepost on sign as code in spreadsheet (e.g., milepost 9, record and mp9).

2. Valid Values (codes)

See Sign Appendix for sign codes.

ROAD CONDITION SURVEY ELEMENT DEFINITIONS

SECTION III - Associated Survey Parameters

Sec. 3 - Element 1: RTE_NO (ROAD#)

Rev. 5/99

Road Number

National Data Element (FSH)

1. Instructions

Repeated from Section 1

2. Valid Values (codes)

System Roads to 7 digits, numeric. Non-System Roads not to exceed 20 digits, alphanumeric.

Sec. 3 - Element 2: MP

Rev. 5/99

Milepost

Regional Data Element

1. Instructions

Repeated from Section 1 as

2. Valid Values (codes)

00.000 through 999.999

3. Units

Miles

4. Accuracy/Precision

~+/-0.002 miles/mile, 0.000 mile

Sec. 3 - Element 3: HABS
Fish Habitat Suitability

Rev. 5/99

Regional Data Field

1. Instructions

Determine the kind of fish habitat immediately downstream or immediately upstream or both upstream and downstream of the structure. The standard for minimum habitat reach is 100 feet of stream reach. While the presence of fish is considered a positive proof of use of fish habitat, the absence of fish can not be taken as the opposite. Multiple line coding may be needed in some situations.

2. Valid Values (codes)

First Character

- A Habitat suitable for anadromous fish is present (code in species fields)
- R Habitat suitable for resident fish is present (code in species fields)
- N Habitat is not suitable for resident or anadromous fish

Second Character

- S Spawning habitat
- R Rearing habitat
- O Overwintering habitat

**ROAD CONDITION SURVEY
POWERPOINT TRAINING MATERIALS**

Appendix B

EXAMPLES OF X-SECTION FEATURES

- Fillslope erosion
- Cutslope erosion
- Surface erosion
- Cracks in road prism
- Washout
- Ditch problems

Fillslope erosion above a fish stream, seed was applied



No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE_NO	XXXXX	33	Silver Salmon Presence	SS	
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	
4	Sampling Crew	CREW	XXXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	XS	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	FE	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	MT	42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT		45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	8	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	20	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT		48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE		51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE		52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK		53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD		54	RR Tailcrest	TC	
22	Skew Angle	SKEW		55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G	3	56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US		57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD		59	Special Site Condition	SSC	FH
27	Downstream Gradient	D_GD		60	Action Taken	A_TAK	SDG
28	Channel Type	CT		61	Action Required	A_REQ	L
29	Verified Aquatic Habitat Class	AHMU		62	Priority	PRI	N
30	Fish Habitat	HAB		63	Problem Corrected	COR	
32	Fish Sampling Method	SMP		64	Notes	NOTES	

Cutslope erosion next to a fish stream



No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE_NO	XXXXX	33	Silver Salmon Presence	SS	
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	
4	Sampling Crew	CREW	XXXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	XS	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	CE	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	OS	42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT		45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	10	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	60	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT		48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE		51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE		52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK		53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD		54	RR Tailcrest	TC	
22	Skew Angle	SKEW		55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G	2	56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US		57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD		59	Special Site Condition	SSC	FH
27	Downstream Gradient	D_GD		60	Action Taken	A_TAK	N
28	Channel Type	CT		61	Action Required	A_REQ	L
29	Verified Aquatic Habitat Class	AHMU		62	Priority	PRI	C
30	Fish Habitat	HAB		63	Problem Corrected	COR	
32	Fish Sampling Method	SMP		64	Notes	NOTES	

Road washout due to culvert plugged by woody debris



No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE_NO	XXXXX	33	Silver Salmon Presence	SS	
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	
4	Sampling Crew	CREW	XXXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	CP	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	SC	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	WD	42	Stickleback Presence	SB	
11	Photograph	PIC		44	Height of Instrument	HI	
12	Height of feature	HGT	24	45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	24	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	32	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT		48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE		51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE		52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK	100	53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD		54	RR Tailcrest	TC	
22	Skew Angle	SKEW		55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G	5	56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US		57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD		59	Special Site Condition	SSC	N
27	Downstream Gradient	D_GD		60	Action Taken	A_TAK	N
28	Channel Type	CT		61	Action Required	A_REQ	H
29	Verified Aquatic Habitat Class	AHMU		62	Priority	PRI	N
30	Fish Habitat	HAB		63	Problem Corrected	COR	
32	Fish Sampling Method	SMP		64	Notes	NOTES	

Catch basin intact and functioning



No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE_NO	XXXXX	33	Silver Salmon Presence	SS	
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	
4	Sampling Crew	CREW	XXXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	CP	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	DR	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	N	42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT	18	45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	18	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN		47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT		48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB	N	49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB	I	50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE	N	51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE	N	52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK		53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD		54	RR Tailcrest	TC	
22	Skew Angle	SKEW		55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G		56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US		57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD		59	Special Site Condition	SSC	
27	Downstream Gradient	D_GD		60	Action Taken	A_TAK	
28	Channel Type	CT		61	Action Required	A_REQ	
29	Verified Aquatic Habitat Class	AHMU		62	Priority	PRI	
30	Fish Habitat	HAB		63	Problem Corrected	COR	
32	Fish Sampling Method	SMP		64	Notes	NOTES	

Stream diverted down ditch and across road due to plugged culvert



No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE_NO	XXXXX	33	Silver Salmon Presence	SS	
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	
4	Sampling Crew	CREW	XXXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	XS	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	FE	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	SD	42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT	0.5	45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	15	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	20	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT		48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE		51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE		52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK		53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD		54	RR Tailcrest	TC	
22	Skew Angle	SKEW		55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G	0	56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US		57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD		59	Special Site Condition	SSC	DR
27	Downstream Gradient	D_GD		60	Action Taken	A_TAK	N
28	Channel Type	CT		61	Action Required	A_REQ	H
29	Verified Aquatic Habitat Class	AHMU		62	Priority	PRI	C
30	Fish Habitat	HAB		63	Problem Corrected	COR	
32	Fish Sampling Method	SMP		64	Notes	NOTES	

Surface erosion in association with inadequate water bar



No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE_NO	XXXXX	33	Silver Salmon Presence	SS	
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	
4	Sampling Crew	CREW	XXXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	XS	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	SE	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	EC	42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT		45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	10	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	20	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT		48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE		51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE		52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK		53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD		54	RR Tailcrest	TC	
22	Skew Angle	SKEW		55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G	10	56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US		57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD		59	Special Site Condition	SSC	DR
27	Downstream Gradient	D_GD		60	Action Taken	A_TAK	ADD
28	Channel Type	CT		61	Action Required	A_REQ	H
29	Verified Aquatic Habitat Class	AHMU		62	Priority	PRI	C
30	Fish Habitat	HAB		63	Problem Corrected	COR	
32	Fish Sampling Method	SMP		64	Notes	NOTES	

EXAMPLES OF CULVERT PROBLEMS

- Inlet erosion
- Outlet erosion
- Blockage
- Structural Damage
- Perched Culvert

Inlet scour has eroded road fill material



1	Road Number	RTE_NO	XXXX	33	Silver Salmon Presence	SS	BT
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	BT
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	
4	Sampling Crew	CREW	XXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	AR2	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	SC	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	MT	42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT	48	45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	72	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	30	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT	PRO	48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE	F	51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE	N	52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK		53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD		54	RR Tailcrest	TC	
22	Skew Angle	SKEW	0	55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G	0	56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US	25	57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD	2	59	Special Site Condition	SSC	SI
27	Downstream Gradient	D_GD	1	60	Action Taken	A_TAK	N
28	Channel Type	CT	FP	61	Action Required	A_REQ	H
29	Verified Aquatic Habitat Class	AHMU	1	62	Priority	PRI	N
30	Fish Habitat	HAB	B	63	Problem Corrected	COR	
32	Fish Sampling Method	SMP	ES	64	Notes	NOTES	

Beaver dam 15 feet above culvert inlet



No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE_NO	XXXX	33	Silver Salmon Presence	SS	BT
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	BT
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	
4	Sampling Crew	CREW	XXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	CO	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	SC	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	BV	42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT	37	45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	72	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	38	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT	PRO	48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE		51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE		52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK		53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD		54	RR Tailcrest	TC	
22	Skew Angle	SKEW		55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G		56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US	12	57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	J_GD	1	59	Special Site Condition	SSC	BVU
27	Downstream Gradient	D_GD	1	60	Action Taken	A_TAK	N
28	Channel Type	CT	FP	61	Action Required	A_REQ	N
29	Verified Aquatic Habitat Class	AHMU	1	62	Priority	PRI	
30	Fish Habitat	HAB	U	63	Problem Corrected	COR	
32	Fish Sampling Method	SMP	MT	64	Notes	NOTES	

Inlet erosion has caused fillslope material to block culvert inlet



No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE_NO	XXXX	33	Silver Salmon Presence	SS	
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	BT
4	Sampling Crew	CREW	XXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	CP	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	SC	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	FS	42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT	60	45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	60	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	30	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT	PRO	48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE	F	51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE	N	52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK	40	53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD		54	RR Tailcrest	TC	
22	Skew Angle	SKEW	3	55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G	2	56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US	12	57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD	5	59	Special Site Condition	SSC	BDL
27	Downstream Gradient	D_GD	3	60	Action Taken	A_TAK	N
28	Channel Type	CT	MM	61	Action Required	A_REQ	H
29	Verified Aquatic Habitat Class	AHMU	2	62	Priority	PRI	C
30	Fish Habitat	HAB	BT	63	Problem Corrected	COR	
32	Fish Sampling Method	SMP	ES	64	Notes	NOTES	

Blocked culvert



No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE_NO	XXXXX	33	Silver Salmon Presence	SS	BT
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	BT
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	
4	Sampling Crew	CREW	XXXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	CP	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	60	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	OT	42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT		45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	60	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	60	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT	30	48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE		51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE		52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK	50	53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD		54	RR Tailcrest	TC	
22	Skew Angle	SKEW	0	55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G	0	56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US	15	57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD	1	59	Special Site Condition	SSC	BDL
27	Downstream Gradient	D_GD	1	60	Action Taken	A_TAK	N
28	Channel Type	CT	AF	61	Action Required	A_REQ	X
29	Verified Aquatic Habitat Class	AHMU	1	62	Priority	PRI	C
30	Fish Habitat	HAB	BT	63	Problem Corrected	COR	
32	Fish Sampling Method	SMP	ES	64	Notes	NOTES	

Open bottom arch footing is failing



No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE NO	XXXXX	33	Silver Salmon Presence	SS	BT
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	
4	Sampling Crew	CREW	XXXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	CO	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	SC	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	ST	42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT	48	45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	36	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	28	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT	PRO	48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE		51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE		52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK		53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD	25	54	RR Tailcrest	TC	
22	Skew Angle	SKEW	2	55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G	3	56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US	8	57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD	3	59	Special Site Condition	SSC	OT
27	Downstream Gradient	D_GD	2	60	Action Taken	A_TAK	N
28	Channel Type	CT	MM	61	Action Required	A_REQ	X
29	Verified Aquatic Habitat Class	AHMU	1	62	Priority	PRI	N
30	Fish Habitat	HAB	BT	63	Problem Corrected	COR	
32	Fish Sampling Method	SMP	ES	64	Notes	NOTES	

Damaged and perched outlet



No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE_NO	XXXXX	33	Silver Salmon Presence	SS	BT
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	BT
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	
4	Sampling Crew	CREW	XXXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	CP	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	SC	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	MP	42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT	48	45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	48	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	30	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT	MIT	48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE		51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE		52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK		53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD	5	54	RR Tailcrest	TC	
22	Skew Angle	SKEW	3	55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G	4	56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US	9	57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD	3	59	Special Site Condition	SSC	OT
27	Downstream Gradient	D_GD	3	60	Action Taken	A_TAK	N
28	Channel Type	CT	MM	61	Action Required	A_REQ	M
29	Verified Aquatic Habitat Class	AHMu	1	62	Priority	PRI	N
30	Fish Habitat	HAB	BT	63	Problem Corrected	COR	
32	Fish Sampling Method	SMP	ES	64	Notes	NOTES	

Fillslope erosion and perched outlet



No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE_NO	XXXXX	33	Silver Salmon Presence	SS	
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	BT
4	Sampling Crew	CREW	XXXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	CP	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	SC	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL		42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT	48	45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	48	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	30	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT	PRO	48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE	N	51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE	F	52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK		53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD		54	RR Tailcrest	TC	
22	Skew Angle	SKEW	0	55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G	2	56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US	8	57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD	5	59	Special Site Condition	SSC	FH
27	Downstream Gradient	D_GD	3	60	Action Taken	A_TAK	N
28	Channel Type	CT	MM	61	Action Required	A_REQ	M
29	Verified Aquatic Habitat Class	AHMU	2	62	Priority	PRI	N
30	Fish Habitat	HAB	BT	63	Problem Corrected	COR	
32	Fish Sampling Method	SMP	ES	64	Notes	NOTES	

Perched outlet



No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE_NO	XXXXX	33	Silver Salmon Presence	SS	BT
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	BT
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	
4	Sampling Crew	CREW	XXXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	CP	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	SC	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	IB	42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT	48	45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	48	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	30	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT	PRO	48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE		51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE		52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK		53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD		54	RR Tailcrest	TC	
22	Skew Angle	SKEW	0	55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G	0	56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US	8	57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD	3	59	Special Site Condition	SSC	OT
27	Downstream Gradient	D_GD	3	60	Action Taken	A_TAK	N
28	Channel Type	CT	MM	61	Action Required	A_REQ	M
29	Verified Aquatic Habitat Class	AHMU	1	62	Priority	PRI	N
30	Fish Habitat	HAB	BT	63	Problem Corrected	COR	
32	Fish Sampling Method	SMP	ES	64	Notes	NOTES	

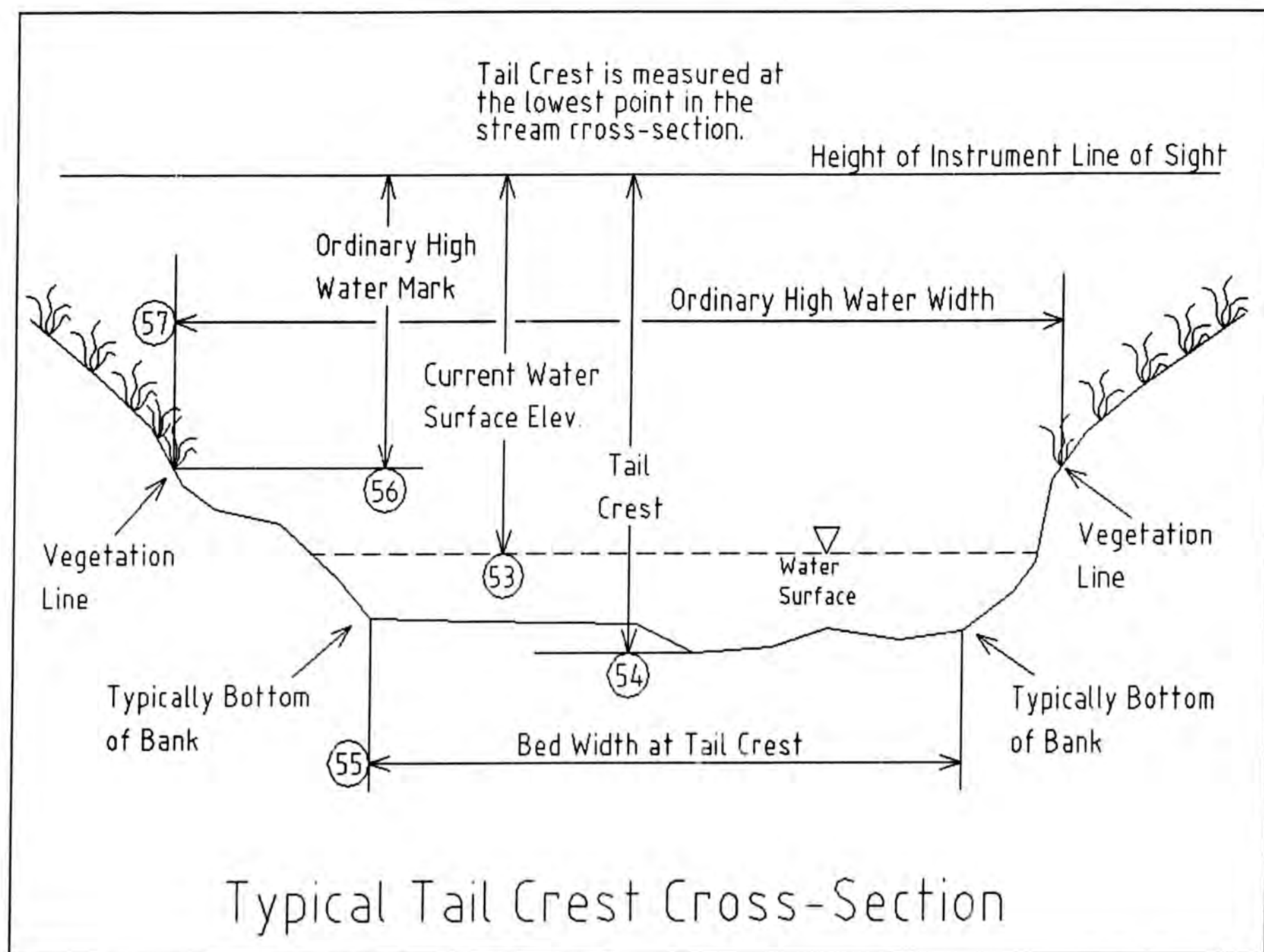
Crushed inlet on cross drain

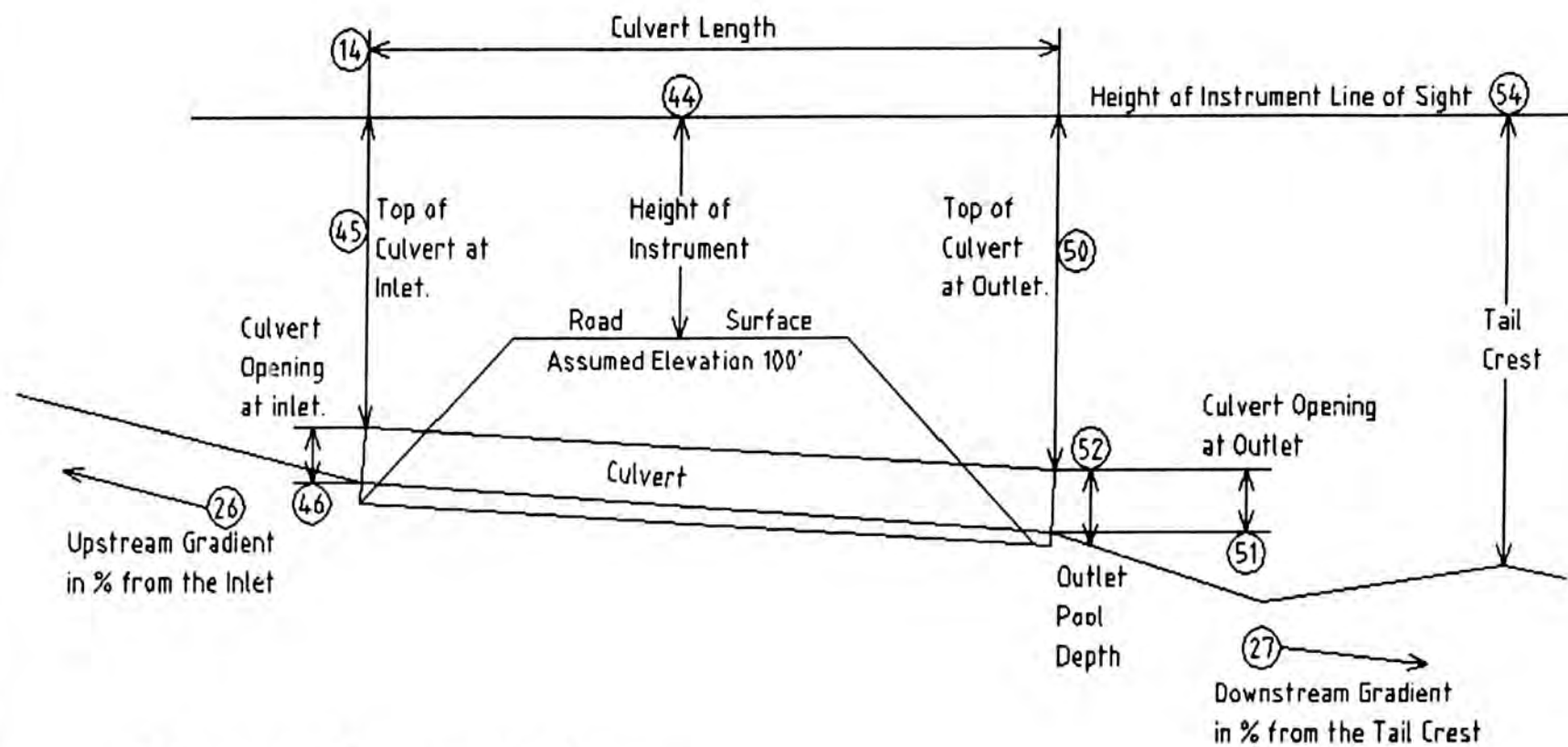


No.	Element	Abbrev.	Code	No.	Element	Abbrev.	Code
1	Road Number	RTE_NO	XXXXX	33	Silver Salmon Presence	SS	
2	Milepost	MP	0.000	34	Cutthroat Presence	CT	
3	Road System	SYS	XX	35	Dolly Varden Presence	DV	
4	Sampling Crew	CREW	XXXXX	36	Steelhead Presence	SH	
5	Date	DATE	XXXXX	37	Chum Salmon Presence	CS	
6	Feature	FEAT	CP	38	King Salmon Presence	KS	
7	Descriptive Parameter	PRM	DR	39	Pink Salmon Presence	PS	
8	Access and Travel Management	ATM		40	Sockeye Salmon Presence	RS	
9	Sign Condition	SGN_C		41	Sculpin Presence	SC	
10	Failure Mechanism	FAIL	MP	42	Stickleback Presence	SB	
11	Photograph	PIC	Y	44	Height of Instrument	HI	
12	Height of feature	HGT	24	45	RR Top of Culvert at Inlet	TC_I	
13	Width of feature	WID	24	46	Culvert Opening at Inlet	CO_I	
14	Length of feature	LEN	28	47	Culvert Bedload Coverage	BLD_C	
15	Entrance Type	ENT	PRO	48	Culvert Bedload Type	BLD_T	
16	Ditch Block	DB		49	Upstream Substrate Type	U_SB	
17	Catch Basin	CB		50	RR Top of Culvert at Outlet	TC_O	
18	Inlet Erosion	IE		51	Culvert Opening at Outlet	CO_O	
19	Outlet Erosion	OE		52	Depth 6" Downstream of Outlet	PD	
20	% Block	BLK		53	RR Water Surface Elevation	WSE	
21	% Structure Damage	SD	100	54	RR Tailcrest	TC	
22	Skew Angle	SKEW	5	55	RR OHW Mark at Outlet	OHW_O	
23	Road Grade	RD_G	5	56	Bed Width at Tailcrest	B_TC	
25	Bedwidth Upstream of Inlet	B_US		57	RR OHW Width at Tailcrest	OHW_W	
26	Upstream Gradient	U_GD		59	Special Site Condition	SSC	SI
27	Downstream Gradient	D_GD		60	Action Taken	A_TAK	N
28	Channel Type	CT		61	Action Required	A_REQ	X
29	Verified Aquatic Habitat Class	AHMU		62	Priority	PRI	C
30	Fish Habitat	HAB		63	Problem Corrected	COR	
32	Fish Sampling Method	SMP		64	Notes	NOTES	

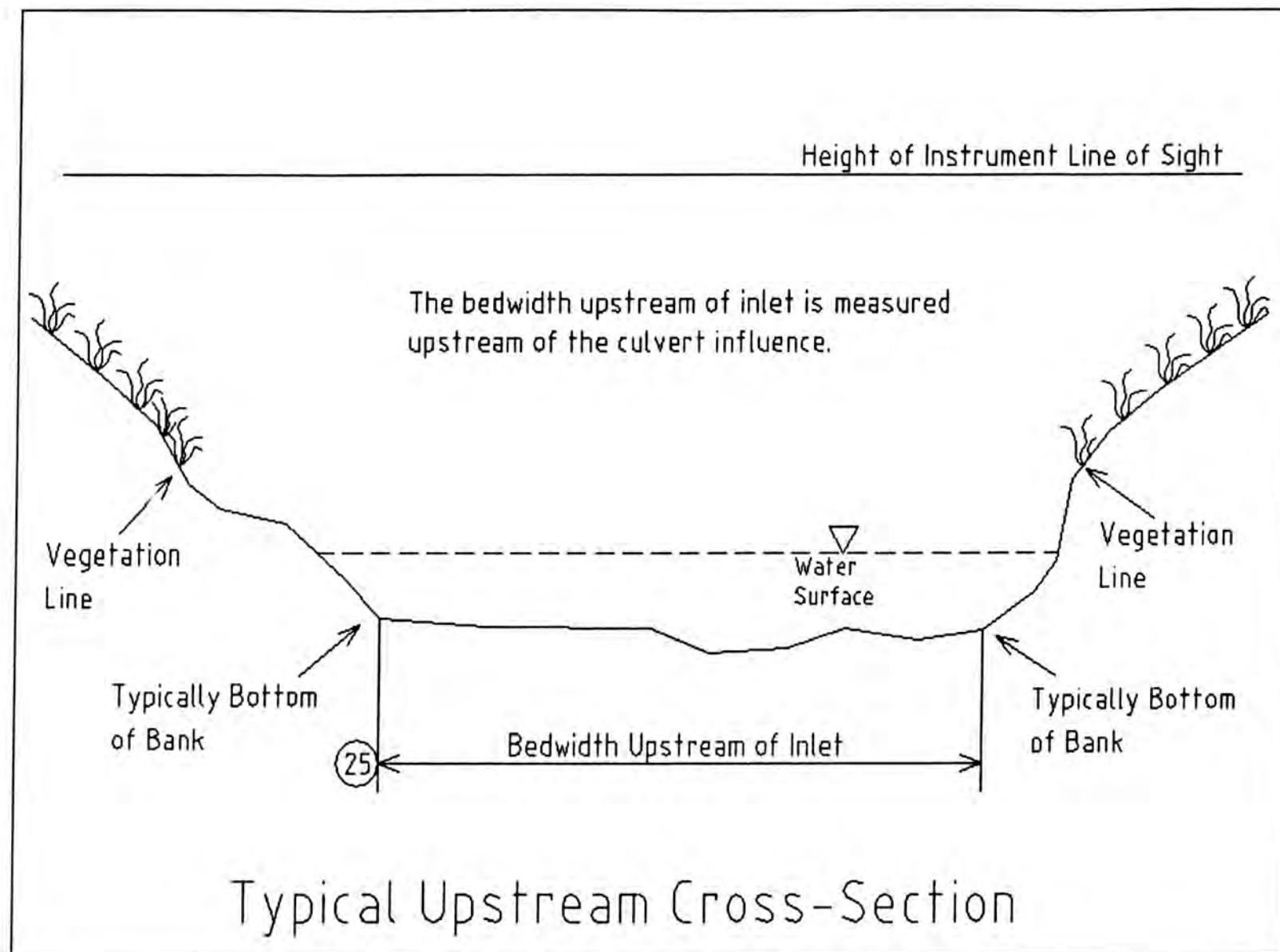
Fish Pipe Measurements

- Height of Instrument
- RR Top of Culvert at Inlet
- Culvert Opening at Inlet
- Culvert Bedload Coverage
- Culvert Bedload Type
- Upstream Substrate Type
- RR Top of Culvert at Outlet
- Culvert Opening at Outlet
- Depth 6" Downstream of Outlet
- RR Water Surface Elevation
- RR Tailcrest
- RR OHW Mark at Outlet
- Bed Width at Tailcrest
- RR OHW Width at Tailcrest

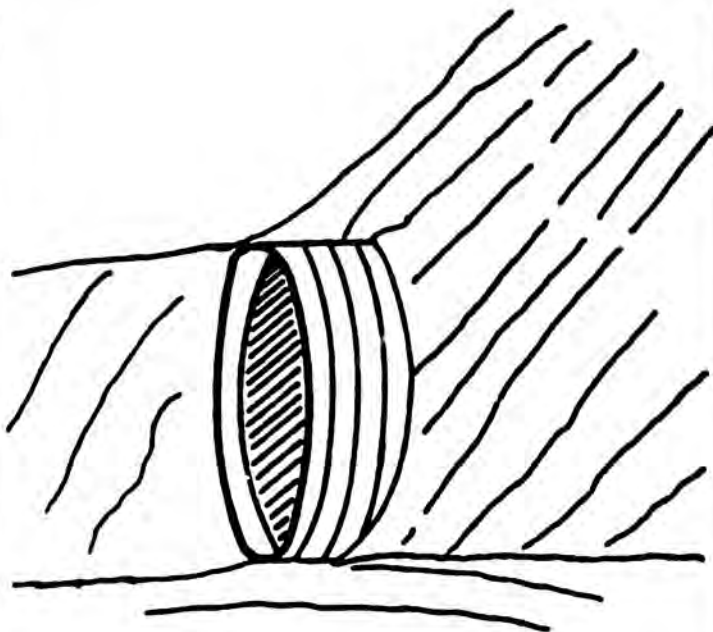




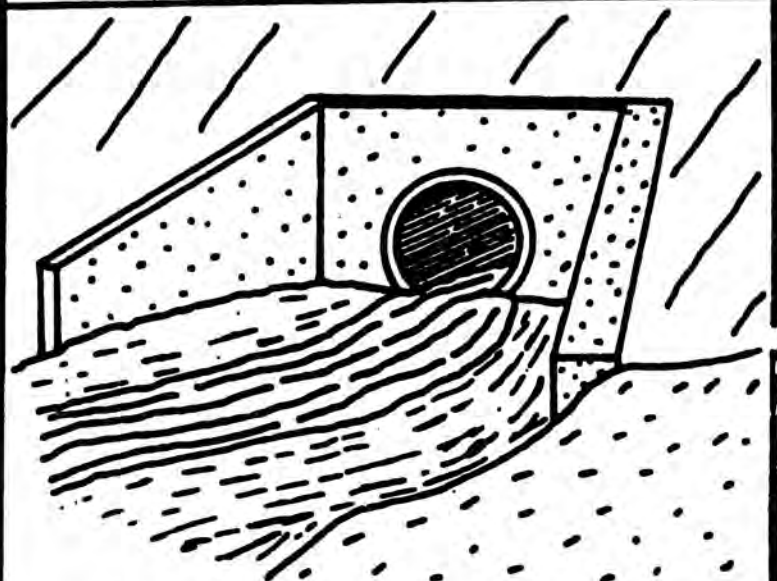
Typical Stream Profile
and Road Cross-Section



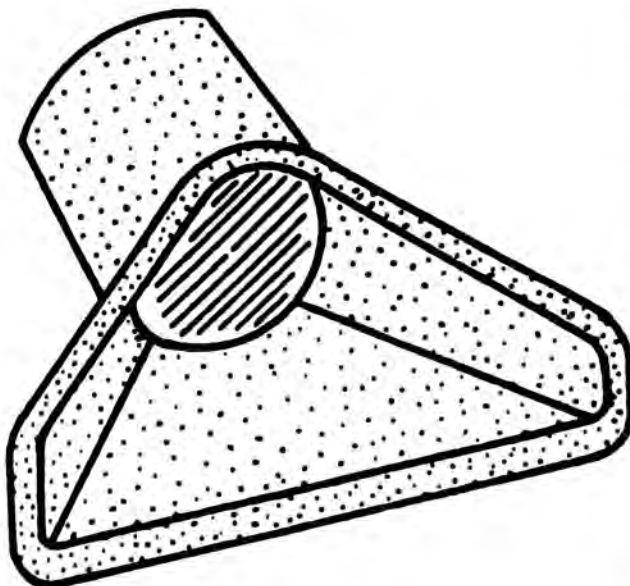
Other Training Info



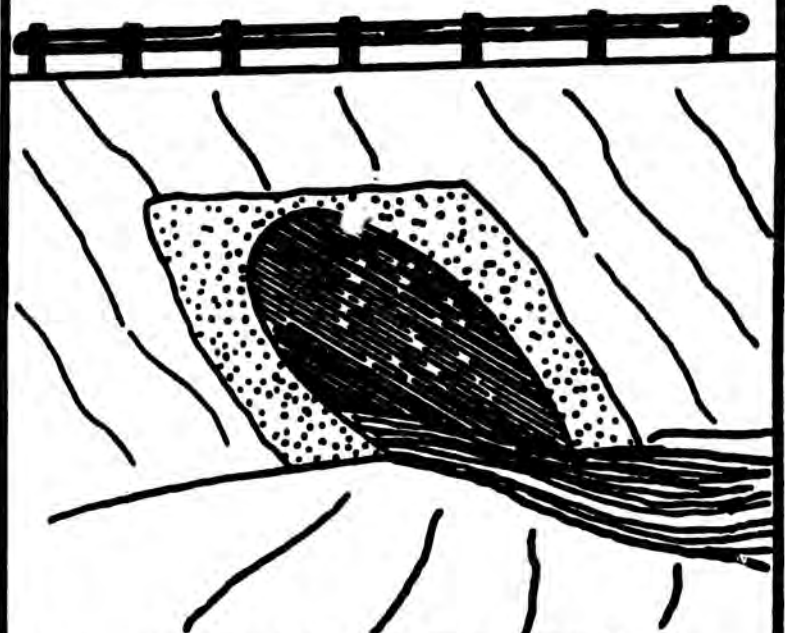
PROJECTING BARREL



**CAST-IN-PLACE CONCRETE
HEADWALL & WINGWALLS**



PRECAST END SECTION



END MITERED TO THE SLOPE

EQUATIONS USED FOR FISH PASSAGE ANALYSIS

Appendix C

Tailcrest Perch Height :

$(\text{Tailcrest}) - (\text{Top of Culvert at Outlet}) - (\text{Culvert Opening at Outlet})$

Water Surface Elevation Perch Height:

$(\text{Water surface elevation at tailcrest}) - (\text{Top of Culvert at Outlet}) - (\text{Culvert Opening at Outlet})$

Culvert Gradient:

$((\text{Top of Culvert at Outlet} - \text{Top of Culvert at Inlet}) \div \text{Culvert Length}) \times 100$

Bedload Depth at Inlet:

$(\text{Culvert Height} \div 12) - (\text{Culvert Opening at Inlet})$

Invert Bedload Percent:

$((\text{Bedload Depth at Inlet}) \div (\text{Culvert Height})) \div 12 \times 100$

Culvert/Bedwidth Ratio:

$((\text{Culvert Bedwidth}) \div 12) \div \text{Upstream Bedwidth}$

SAMPLE OF ANALYSIS USING FISH XING

APPENDIX D

Culvert Report for Unnamed Culvert

Project: GREY PIPES

Culvert Location Information

Road: 6407

Mile Post: 3.176

Comments:

GREEN, check photo, sunken pipe.

Biological Data

Species: Juvenile Cutthroat Trout

Fish Length: 90 mm

Minimum Water Depth: 0.1 ft.

Migration Period: September to October

Prolonged Swimming Speed: 1.5 ft/s

Prolonged Time to Exhaustion: 30 min.

Burst Swimming Speed: 4 ft/s

Burst Time to Exhaustion: 5 s

Jumping Speed: 4 ft/s

Velocity Reduction Factors:

Inlet: 0.80

Barrel: 0.40

Outlet: 0.80

Culvert Installation Data

Culvert Type: 60 X 46 in Pipe-Arch

Construction: CMP (3 X 1 in corr.)

Installation: Sunken

Countersunk Depth: 0.25 ft.

Culvert Length: 44 ft.

Culvert Slope: 1.36%

Culvert Roughness Coefficient: 0.027

Natural Bottom Roughness Coefficient: 0.03

Inlet Invert Elevation: 87.24 ft.

Outlet Invert Elevation: 86.64 ft.

Inlet Headloss Coefficient (K_e): 0.7

Design Flows

Low Passage Flow: 1 cfs

High Passage Flow: 4.5 cfs

Table 1. Uniform Flow Calculations.

Discharge (cfs)	Velocity (ft/s)	Normal Depth (ft)	Critical Depth (ft)	Outlet Velocity (ft/s)	Tailwater Depth (ft)	Pool Depth (ft)	Min Rqd Leap Velocity (ft/s)	Vert Leap Distance (ft)	Comments
0.00	0.00	0.00	0.00	0.00	0.16	0.00			
0.37	0.48	0.10	0.08	0.49	0.23	0.07	0.00	0.00	
1.00	0.69	0.18	0.15	0.99	0.30	0.14	0.00	0.00	LPF
1.22	0.75	0.20	0.17	1.14	0.31	0.15	0.00	0.00	
2.47	0.96	0.30	0.26	1.79	0.39	0.23	0.00	0.00	
4.08	1.15	0.40	0.36	2.43	0.46	0.30	0.00	0.00	
4.50	1.19	0.42	0.38	2.59	0.48	0.32	0.00	0.00	HPF
6.02	1.31	0.50	0.46	3.10	0.53	0.37	0.00	0.00	
8.28	1.46	0.60	0.56	3.73	0.59	0.43	0.00	0.00	

Comment Codes:

LPF - Low Passage Flow
 HPF - High Passage Flow
 Depth - Insufficient Depth
 Vel - Excessive Velocity
 Leap - Excessive Leap
 Pool - Shallow Leap Pool

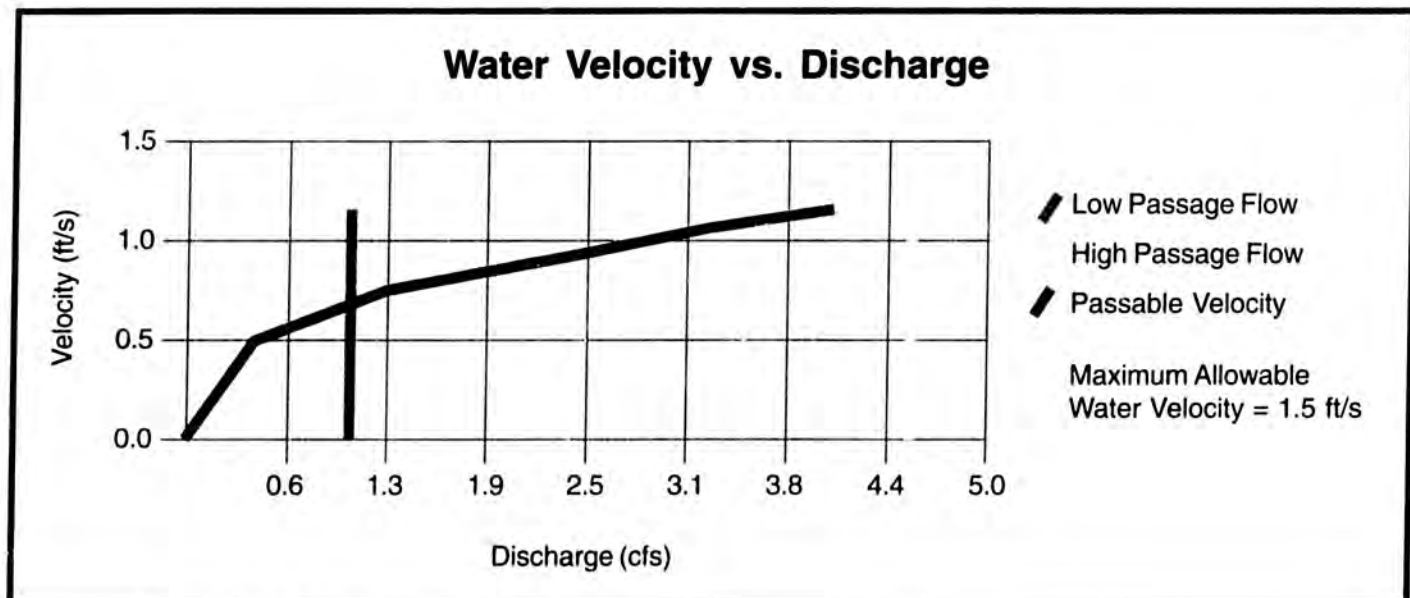


Figure 1. Velocity at Uniform Flow

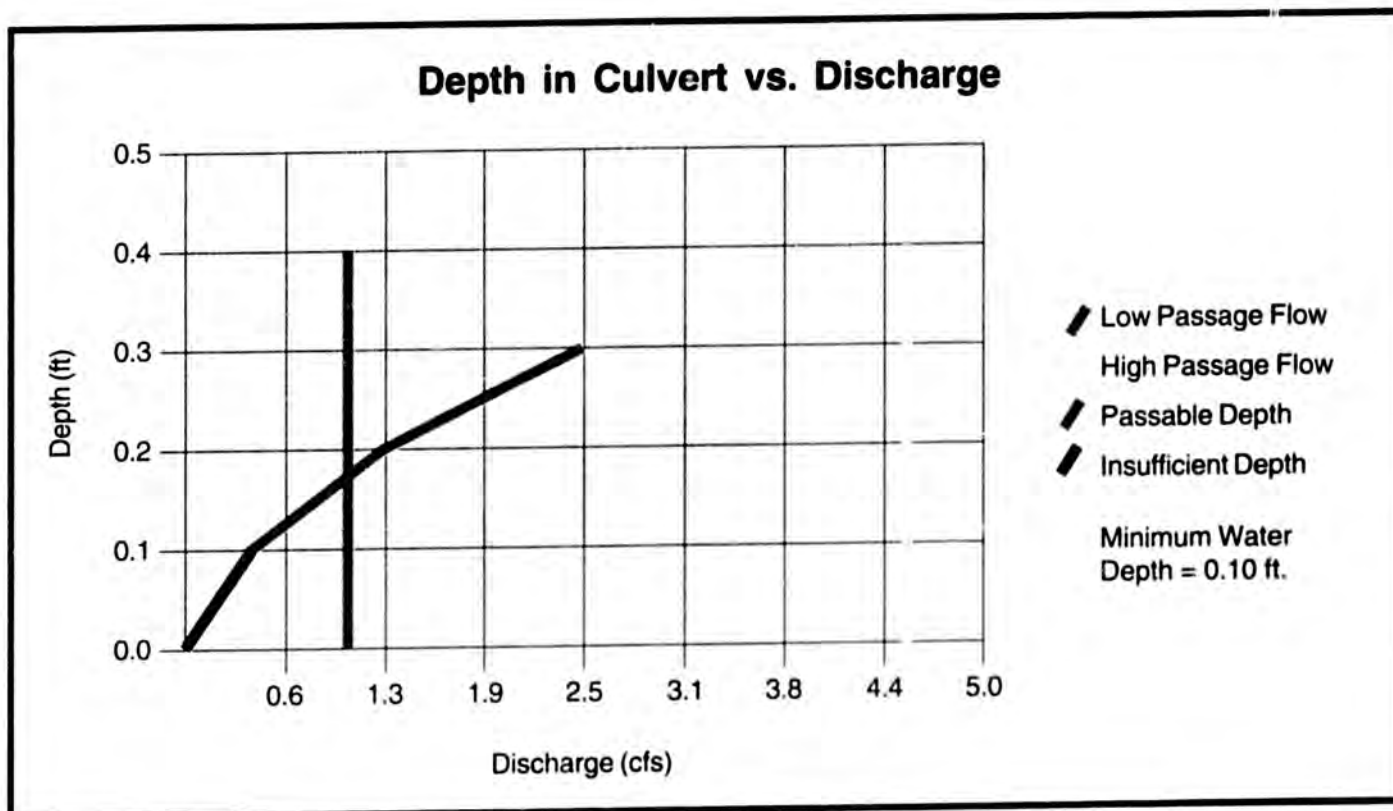


Figure 2. Depth at Uniform Flow

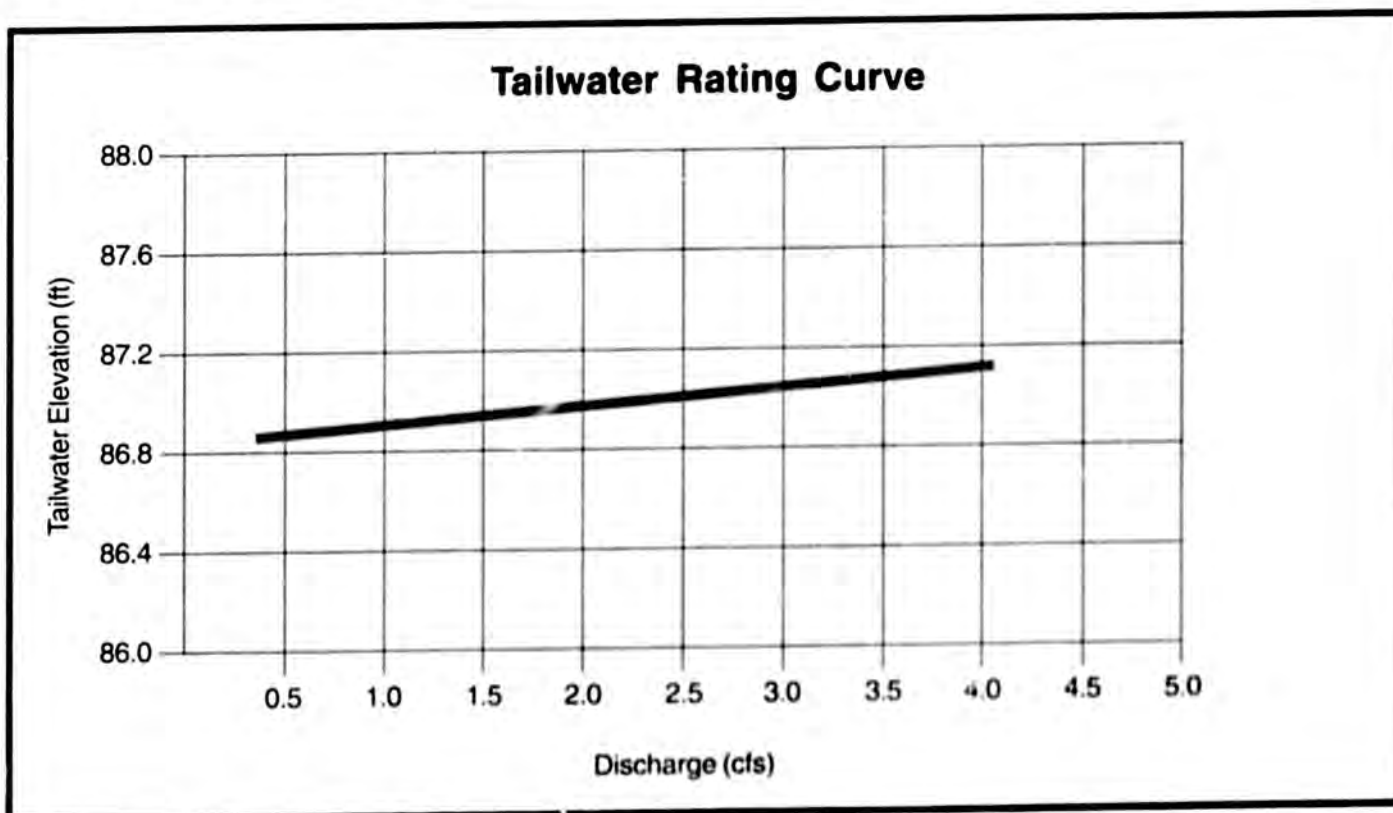


Figure 3. Tailwater Rating Curve at Uniform Flow

Table 2. Gradually Varied Flow Calculations for 1 cfs.

Q = 1.0 cfs				
Dist Down Culvert (ft)	Depth (ft)	Velocity (ft/s)	Curve	Swim Mode
0	0.26	0.00	Inlet	
2	0.18	2.26	Normal	Burst
4	0.18	1.74	Normal	Prolonged
7	0.18	1.74	Normal	Prolonged
10	0.18	1.74	Normal	Prolonged
13	0.18	1.74	Normal	Prolonged
16	0.18	1.74	Normal	Prolonged
19	0.18	1.74	Normal	Prolonged
22	0.18	1.74	Normal	Prolonged
25	0.18	1.74	Normal	Prolonged
28	0.18	1.74	Normal	Prolonged
31	0.18	1.74	Normal	Prolonged
34	0.19	1.63	M1	Prolonged
37	0.21	1.42	M1	Prolonged
40	0.25	1.22	M1	Prolonged
44	0.30	0.99	M1	Prolonged

Table 3. Gradually Varied Flow Specifications for 1 cfs.

	1.0 cfs
Normal Depth (ft)	0.18
Critical Depth (ft)	0.15
Headwater Depth (ft)	0.26
Inlet Velocity (ft/s)	2.26
Tailwater Depth (ft)	0.30
Burst Swim Time (s)	0.91
Prolonged Swim Time (m)	0.83
Barrier Code	NONE

Barrier Codes

NONE - No Barrier

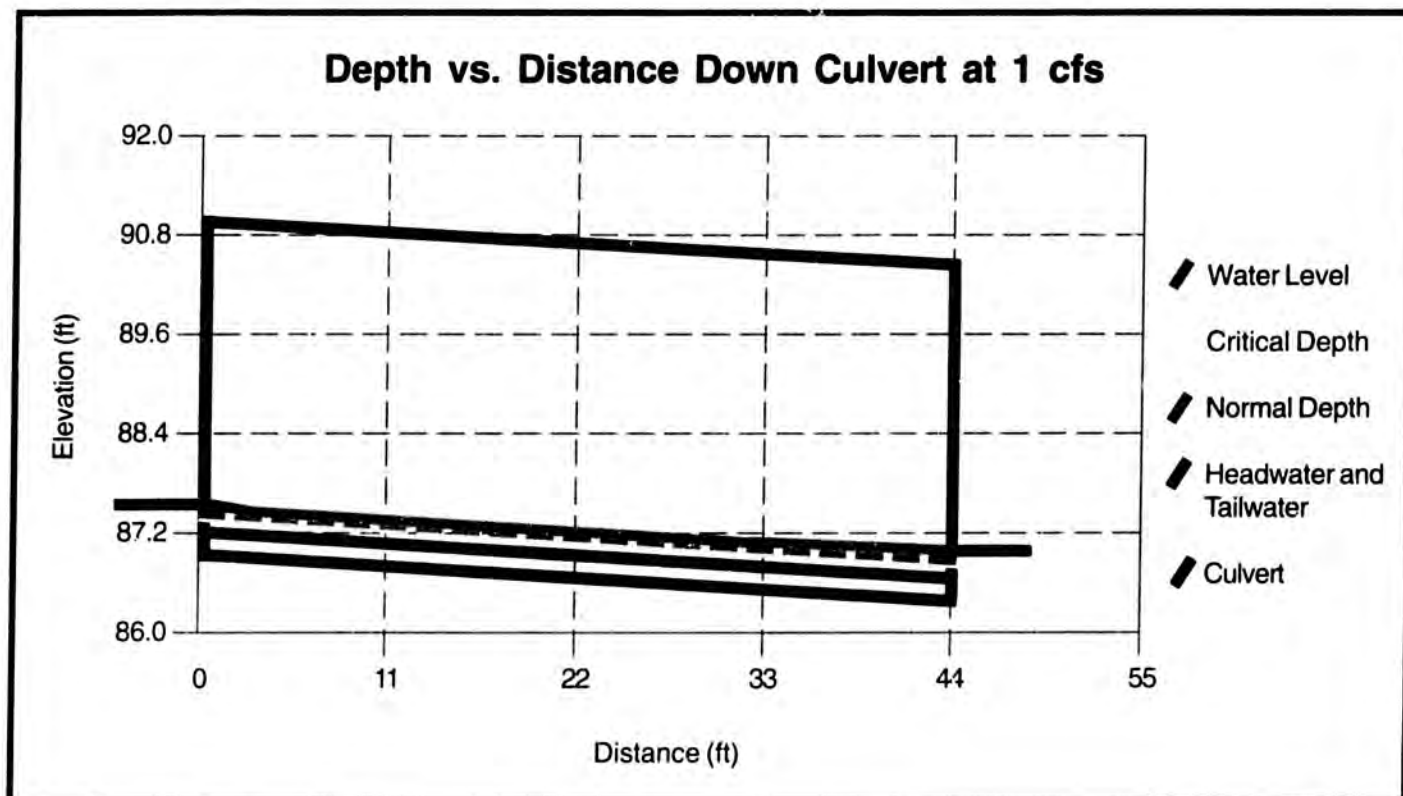


Figure 4. Water Surface Profile at 1 cfs.

Table 4. Gradually Varied Flow Calculations for 2 cfs.

Q = 2.0 cfs				
Dist Down Culvert (ft)	Depth (ft)	Velocity (ft/s)	Curve	Swim Mode
0	0.40	0.00	Inlet	
2	0.27	2.84	M1	Burst
4	0.27	2.18	M1	Prolonged
7	0.27	2.18	M1	Prolonged
10	0.27	2.18	M1	Prolonged
13	0.27	2.18	M1	Prolonged
16	0.27	2.18	M1	Prolonged
19	0.27	2.18	M1	Prolonged
22	0.27	2.18	M1	Prolonged
25	0.27	2.18	M1	Prolonged
28	0.27	2.18	M1	Prolonged
31	0.27	2.18	M1	Prolonged
34	0.28	2.12	M1	Prolonged
37	0.30	1.98	M1	Prolonged
40	0.32	1.79	M1	Prolonged
44	0.37	1.55	M1	Prolonged

Table 5. Gradually Varied Flow Specifications for 2 cfs.

	2.0 cfs
Normal Depth (ft)	0.27
Critical Depth (ft)	0.23
Headwater Depth (ft)	0.40
Inlet Velocity (ft/s)	2.84
Tailwater Depth (ft)	0.37
Burst Swim Time (s)	1.16
Prolonged Swim Time (m)	1.08
Barrier Code	NONE

Barrier Codes

NONE - No Barrier

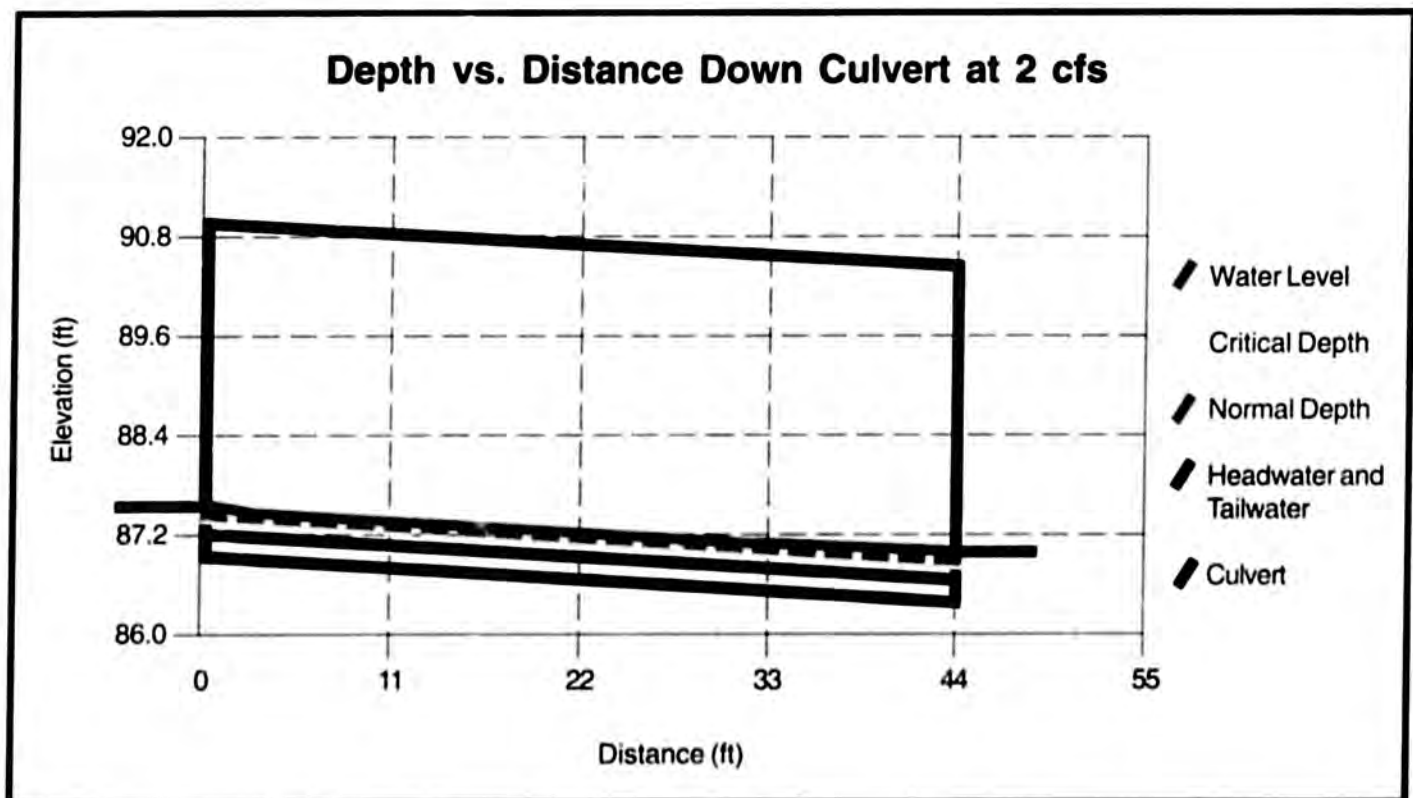


Figure 5. Water Surface Profile at 2 cfs.

Table 6. Gradually Varied Flow Calculations for 4.5 cfs.

Q = 4.5 cfs				
Dist Down Feet	Depth ft	Velocity ft/s	Curve	Swf Type
0	0.66	0.00	Inlet	
2	0.42	3.87	Normal	Burst
4	0.42	2.97	Normal	Prolonged
7	0.42	2.97	Normal	Prolonged
10	0.42	2.97	Normal	Prolonged
13	0.42	2.97	Normal	Prolonged
16	0.42	2.97	Normal	Prolonged
19	0.42	2.97	Normal	Prolonged
22	0.42	2.97	Normal	Prolonged
25	0.42	2.97	Normal	Prolonged
28	0.42	2.97	Normal	Prolonged
31	0.42	2.97	Normal	Prolonged
34	0.42	2.97	Normal	Prolonged
37	0.43	2.91	Normal	Prolonged
40	0.44	2.81	M1	Prolonged
44	0.48	2.59	M1	Prolonged

Table 7. Gradually Varied Flow Specifications for 4.5 cfs.

4.5 cfs	
Normal Depth (ft)	0.42
Subcritical Depth	0.38
Supercritical Depth	0.66
Normal Velocity	3.87
Subcritical Velocity	0.48
Supercritical Velocity	2.21
Normal Froude Number	2.23
Barrier Code	NONE

Barrier Codes

NONE - No Barrier

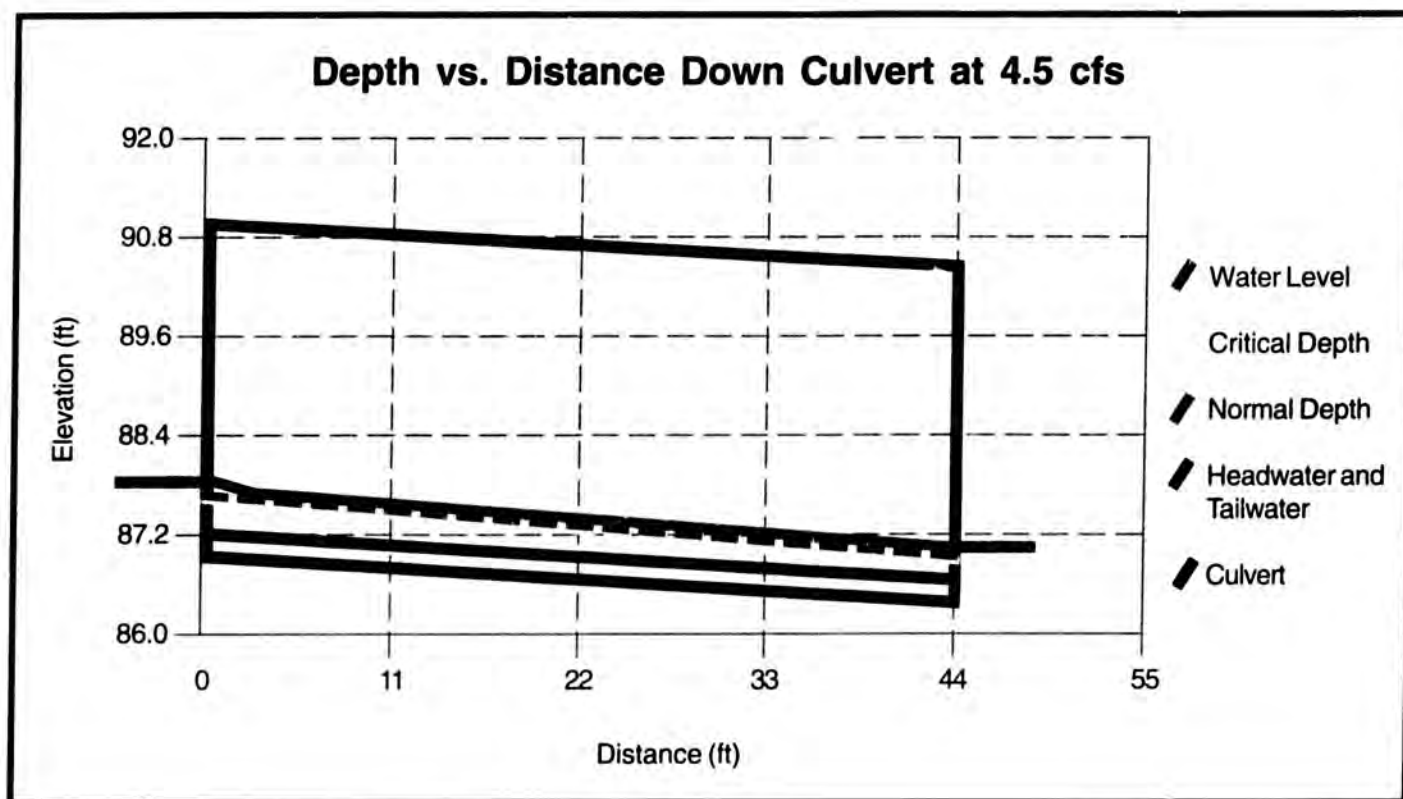


Figure 6. Water Surface Profile at 4.5 cfs.

Tailwater Information

Channel Bottom Slope: 4%

Outlet-Pool Bottom Elevation: 86.8 ft

Manning's Roughness Downstream of Tailwater: 0.045

Table 8. Tailwater Cross Section Data.

Obs. No.	Station (ft)	Elevation (ft)
1	0.00	87.30
2	3.75	86.80
3	7.15	86.80
4	10.90	87.30

Channel Cross Section

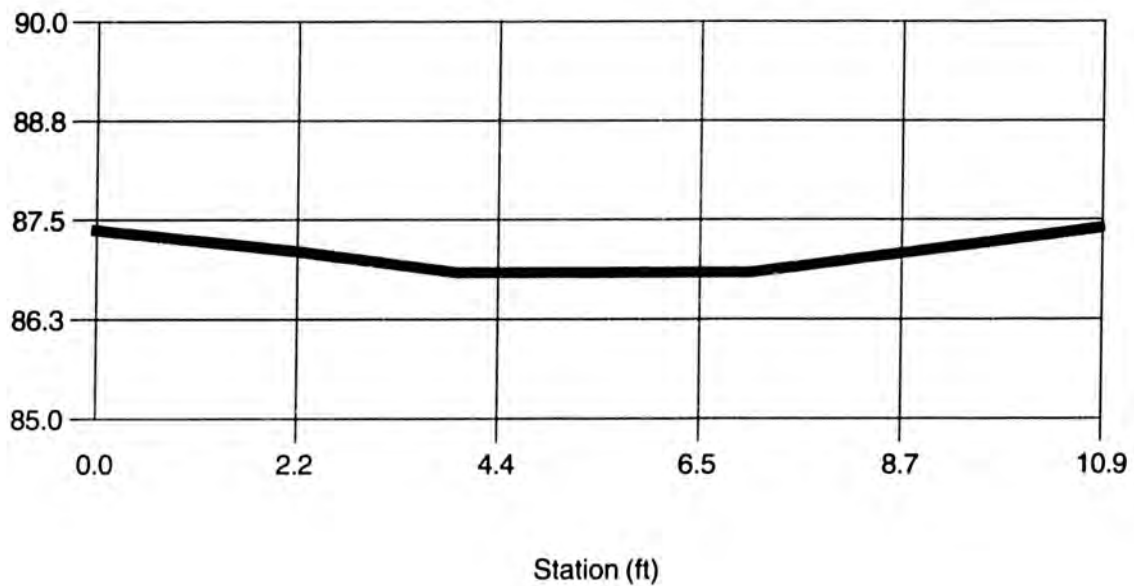


Figure 7. Channel Cross Section at Tailwater Crest.

Table 9. Tailwater Rating Table Information.

Discharge (cfs)	Tailwater Elevation (ft)	Wetted Perimeter (ft)	Cross-Sect. Area (sq. ft)
0.0	86.8	0.00	0.00
0.5	86.9	4.91	0.41
1.8	87.0	6.43	0.98
4.0	87.1	7.94	1.69
7.1	87.2	9.45	2.56
11.2	87.3	10.97	3.57

ROAD CONDITION SURVEY DATA

Appendix E

VERIFIED FISH CULVERTS WITH BLOCKAGES BY DISTRICT

AH MU	DISTRICT	RTE_NO	MP	SYS	FEAT	FAIL	HGT	WID	LEN	BLK	CHT	SSC	A_REQ	PRI
1	CRD	2013100	0.010		cp	ib_cs_sd_rf		18		50	hc	fh	h	c
2	HRD	8578	0.129	HH	CP	SDC	24	24	30	100	HC	DR	H	C
2	HRD	8578	3.490	HH	CP	SDC	18	18	37	50	HC	N	L	N
2	HRD	8578	0.111	HH	CP	MP	24	24	32	20	HC	FH	N	N
2	HRD	8578	1.020	HNH	CP	N	24	24	37	20	HC2	N	X	N
2	HRD	8578	3.020	HH	CP	N	24	24	36	20	HC2	N	N	N
2	HRD	8578	0.887	HNH	CP	N	36	36	36	15	HC2	BDL	H	N
2	HRD	8578	2.445	HH	CP	N	18	18	25	10	MM	N	N	N
2	HRD	8578	2.360	HH	CP	SDC	18	18	29	10	MM	N	N	N
2	HRD	8578	0.219	HH	CP	N	36	36	30	5	HC	FH	N	N
2	HRD	8578	0.928	HNH	CP	N	24	24	30	5	HC2	N	H	N
2	HRD	8578	3.386	HH	CP	N	18	18	36	5	HC2	N	N	N
2	HRD	8578	3.511	HH	CP	N	36	36	30	5	HC2	N	N	N
1	PRD	6415	10.455	RB	PA2	BV	60	84	40	100	PA_PA	BVB	H	N
1	PRD	6415	10.458	RB	PA2	BV	60	84	40	100	PA_PA	BVB	H	N
1	PRD	6235	17.334	MT	CP3	SDC	36	36	44	50	PA_PA	BVD	M	N
1	PRD	6040	11.336	KK	PA	BV_SI	82	126	42	40	MM_MM	BVB_SI	M	C
1	PRD	6402	13.202	RB	CP	N	36	36	32	35	MM_PA	BVD	N	N
1	PRD	6420	0.783	RB	CP	RF	60	60	80	25	HC_MM	N	N	N
1	PRD	6420	2.087	RB	CP	O	48	48	40	15	MM_MM	N	M	N
1	PRD	6415	8.762	RB	CP	RF	48	48	40	15	MM_MM	N	N	N
1	PRD	6314	2.176	KK	CP	RF	36	36	48	10	NT_NT	N	N	N
2	PRD	6441	0.613	RB	PA	BVB	48	48	30	90	PA_PA	BVB	H	N
2	PRD	6402	18.149	RB	CP	SDC_WDC	48	48	34	90	PA_PA	BVB	H	C
2	PRD	6402	19.280	RB	CP	WDC	18	18	30	90	PA_PA	BVD	M	
2	PRD	6410	1.565	RB	CP	WDC	36	36	72	80	PA_HC	BV	H	N
2	PRD	6235	17.579	MT	CP	WDC_SDC	36	36	34	80	PA_NT	N	M	N
2	PRD	6030	11.712	KK	CP	SDC_DF_S	48	72	57	75	MM_MM	BDL_SF_S	X	C
2	PRD	6333	1.069	KK	CP	SS_CSC	36	36	36	60	HC_HC	BDL_SF_S	H	N
2	PRD	6435	0.942	RB	CP	WDC	48	48	32	60	MM_PA	BVB	M	N
2	PRD	6352	7.000	TK	CP	FS_DF	36	36	50	50	HC_HC	WDR_SF	X	C
2	PRD	6319	7.736	PB	CP	N	24	24	38	50	HC_HC	N	N	
2	PRD	6416	1.841	RB	CP2	WDC_MP	48	48	40	50	HC_HC	N	H	N
2	PRD	6416	2.348	RB	CP2	N	48	48	62	30	MM_MM	N	N	N
2	PRD	6430	1.173	RB	CP	RF	24	24	46	30	NT	N	N	N
2	PRD	6402	22.952	RB	CP	SDC	48	48	40	30	MM_MM	N	H	N
2	PRD	6402	19.268	RB	CP	WDC	36	36	44	30	MM_PA	BVB	M	N
2	PRD	6407	7.338	RB	CP	N	48	48	54	29		N	N	N
2	PRD	6434	4.497	RB	CP	O	36	36	34	28	MM_MM	N	N	N
2	PRD	6040	8.525	KK	CP	N	36	36	44	25	MC_HC	SF_SI_DR	H	C
2	PRD	6430	1.013	RB	CP	N	24	24	30	25	MM_MM	N	N	N
2	PRD	6438	0.385	RB	CP	SDC	24	24	40	25	MM_PA	BVD	N	N
2	PRD	6407	6.976	RB	CP	N	48	48	34	22		N	N	N
2	PRD	6420	1.578	RB	CP	MP	48	48	30	20	HC_HC	N	X	N
2	PRD	6317	2.112	PB	CP	MP_RF	72	72	44	15	HC_MM	N	N	N
2	PRD	46041	0.831	RB	PA	N		78	38	15	MM_MM	N	N	N
2	PRD	6407	1.743	RB	CP	N	24	24	37	15	MM_MM	N	N	
2	PRD	6434	4.716	RB	CP	O	36	36	40	15	MM_MM	N	N	N
2	PRD	6410	0.513	RB	CP	SDC	36	36	50	15	HC_HC	N	N	N
2	PRD	6416	1.842	RB	CP2	SDC_FP	48	48	40	15	HC_HC	N	H	N
2	PRD	6326	5.861	KK	CP	N	24	24	32	10	HC_HC	N	N	
2	PRD	6402	10.048	RB	CP	RF	24	24	30	10	HC_HC	N	N	N
2	PRD	6423	0.071	RB	CP	RF	48	48	40	10	PA_PA	BVU	N	N
2	PRD	6317	5.880	PB	CP	SDD	36	36	30	10	HC_HC	N	L	N
1	SRD	7624	0.106	CB	CP	SDC	36	36	40	100	FP			

VERIFIED FISH CULVERTS WITH BLOCKAGES BY DISTRICT

AHMU	DISTRICT	RTE_NO	MP	SYS	FEAT	FAIL	HGT	WID	LEN	BLK	CHT	SSC	A_REQ	PRI
1	SRD	7500	7.506	IR	CP	N	60	60	32	60	AF	N	N	N
1	SRD	7544	1.634	li	CP	mp	24	24	26	25	fp	n	n	n
1	SRD	7624	0.712	CB	CP	N	48	48	36	2	MC	OT	X	C
2	SRD	7540	107.755	CB	CP	IB	36	36	47	100	N	OT	X	C
1	TRDN	3000000B	81.438	WP	CP	WX	48	48	50	100	ES	OT	H	EC
1	TRDN	1505300	0.215	KO	CP	BV	60	60	44	90	PA5	BVU	H	C
1	TRDN	1445000	3.123	HC	CP	BV	72	72	40	70	PA5	BVB	H	N
1	TRDN	3000000B	86.646	WP	CP	WDC	72	72		30	MM	OT	H	N
1	TRDN	1530000	2.249	KO	CPA	N	83	128	50	20	MM1	WDR	H	N
1	TRDN	2085000	3.147	LB	CP	N	36	36	44	5	AF1	N	N	N
2	TRDN	1445000	3.826	HC	CP	WDC	18	18		100	PA	N	H	N
2	TRDN	2086000	1.221	LB	CP	BV	48	48		75	PA5	BVB	H	C
2	TRDN	1500000	0.375	KO	CP	MP	36	36	40	75	ES	N	H	N
2	TRDN	2000860	1.828	LB	CP	MP	36	36	60	70	MM1	OT	H	N
2	TRDN	2000860	1.405	LB	CP	IB	36	36	40	60	MM1	OT	M	C
2	TRDN	2000900	0.474	LB	CP	BV	24	24	30	50	PA5	BVB	N	N
2	TRDN	2000000	134.694	LB	CP	MP	36	36	40	50	HC2	N	H	N
2	TRDN	2000810	0.300	LB	CP	MP	36	36	30	30	HC	N	N	N
2	TRDN	1480000	4.090	MAR	CP	RF	36	36	29	30	HC2	N	M	N
2	TRDN	2079000	7.488	LB	CP	WDC	36	36	30	25	MM1	N	M	N
2	TRDN	2085000	1.123	LB	CP	N	48	48	40	20	MM1	N	N	N
2	TRDN	3000000B	92.743	WP	CP	N	120	120	70	20	MC	N	N	N
2	TRDN	2084015	0.133	LB	CP	N	72	72	54	20	HC2	N	N	N
2	TRDN	1445700	1.102	HEC	CP	N	24	24	42	20	MM1	WDR	N	N
2	TRDN	2000810	1.107	LB	CP	N	36	36	40	15	PA	BVD	N	N
2	TRDN	2000000	108.011	WP	CP	N	36	36	48	15	HC2	BVD	N	N
2	TRDN	2085000	3.019	LB	CP	N	60	60	40	15	AF1	N	N	N
2	TRDN	2000000	125.242	WP	CP	N	48	48	60	15	MM1	N	M	N
2	TRDN	1470000	7.225	TUX	CP	SDC	60	60	85	15	PA5	BVB	H	N
2	TRDN	2000860	1.069	LB	CP	BV	48	48	40	10	PA	BVU	N	N
2	TRDN	2085000	2.649	LB	CP	N	60	60	38	10	AF1	N	N	N
2	TRDN	2085000	1.856	LB	CP	N	48	48	40	10	MM1	N	N	N
2	TRDN	2085000	1.168	LB	CP	BV	48	48	40	5	MM1	BVD	N	N
2	TRDN	2000850	0.392	LB	CP	BV	24	24	32	5	PA5	BVD	N	N
2	TRDN	2000860	0.715	LB	CP	N	36	36	40	5	MM1	N	N	N
2	TRDN	2085000	3.115	LB	CP	N	36	36	36	5	AF1	N	N	N
2	TRDN	2085000	2.659	LB	CP	N	48	48	40	5	AF1	N	N	N
1	TRDS	2000000	76.978	CC	CP	BV	60	60	56	80	PA	BVB	H	C
1	TRDS	3000000	58.860	CC	CP	SD	24	24	32	80	PA1		H	
1	TRDS	3015600	2.890	TB	CP	SDC	36	36	40	80	MM1	SD_FH	H	N
1	TRDS	3000000	48.610	CC	CP	MP	18	18	25	50	PA5		H	
1	TRDS	3030000	14.570	CC	CP	N	72	72	46	10	MM		N	
1	TRDS	3030000	8.310	CC	CP	N	48	48	35	10			N	
1	TRDS	3000000	47.630	CC	CP	WDC	48	48	30	10	MM1	N	H	
1	TRDS	2050610	0.700	WH	CP	N	60	60	40	5	MM1	FH	H	N
2	TRDS	2050300	7.000	ST	CP	SDC	24	24	30	100	MM	N	H	
2	TRDS	2050300	8.100	ST	CP	WDC	60	60	40	100	HC2	DR	H	
2	TRDS	3030000	5.830	CC	PA		72	95	46	60				
2	TRDS	3030000	11.200	CC	CP	SD	18	18	32	50	MM	N	N	
2	TRDS	2050400	3.350	Si	CP	SDC	36	36	40	40	HC2	N		C
2	TRDS	3030000	15.540	CC	CP	N	48	48	44	25	MM	N	N	
2	TRDS	3030000	19.020	CC	CP	FS	24	24	40	20	HC		H	
2	TRDS	3030600	0.030	CC	CP		36	36	35	20	MM1	N	H	N
2	TRDS	3000000	53.180	CC	PA	MP	24	30	36	15	HC2	N	H	
2	TRDS	3030000	0.050	CC	PA	EC	91	141	48	10				C

VERIFIED FISH CULVERTS WITH BLOCKAGES BY DISTRICT

AHJU	DISTRICT	RTE_NO	MP	SYS	FEAT	FAIL	HGT	WID	LEN	BLK	CHT	SSC	A_REQ	PRI
2	TRDS	2050050	0.820	ST	CP	MP	108	108	80	10	HC3		I	
2	TRDS	3030000	6.010	CC	PA	N	72	87	44	10			N	
2	TRDS	2050610	0.300	WH	PP	EC	36	36	40	5	MM1	N	I	N
2	TRDS	3030000	9.250	CC	CP	N	72	72	40	5	MM	N	N	
2	TRDS	3030100	0.250	CC	CP	N	18	18	30	5	HC2	SD		
2	TRDS	2050000	5.050	ST	CP	SDC	36	36	30	5	HC2	BDL		
2	TRDS	2057000	2.140	NA	CP		18	18	45	5	MM1	N	N	
2	TRDS	3030000	16.420	CC	CP	N	24	24	36	2	HC		H	
1	WRD	6590	26.858	ZA	AR	DC_BV_W	70	90	39	85	PA	B_WDR_FH	M	N
2	WRD	6590	26.624	ZA	CP	_SDC_WD	18	18	28	100	PA	BVB_FH_SI	X	N
2	WRD	6590	26.544	ZA	CP	C_WDC_A	36	36	38	60	PA	BVB_SI_SC	H	C
2	WRD	6265	7.693	wg	cp	c_wdd_sdd	48	48	48	60	hc	vdr_bdl_sf	m	c
2	WRD	6265	4.516	wg	cp	sdc	48	48	41	25	mm	n	n	n
2	WRD	6265	2.515	wg	cp	n	48	48	30	20	mm	n	n	n
2	WRD	6590	27.907	ZA	CO	WDC	38	76	33	15	HC	O	M	N

VERIFIED FISH CULVERTS WITH INLET EROSION REQUIRING CORRECTIVE ACTION

District	RTE_NO	MP	SYS	FEAT	PRM	HGT	WID	LEN	IE	OE	BLK	AHMU	HAB
CRD	2000210	1.370	TR	CP	SC	24			F	N	0	2	B
CRD	2013000	0.081		cp	sc		60	40	I	f		1	b
CRD	2013000	0.100		cp	sc		48	33	f	f		3_1	d
CRD	2013100	0.010		cp	sc_se		18-24?		I	f_o	50	1	b
CRD	2100000	4.600		cp	sc_se	24		30	f_b	n		2	b
CRD	2100000	5.190		cp	sc	24		58	f	f		2	b
CRD	2100000	12.740		cp	sc	70		108	f	n		2	b
CRD	2100000	12.940	PK	CP	SC	36			B	N	0	2	B
CRD	2100000	14.380	PK	CP	SC	108		54	I	D	0	1	B
CRD	2100000	19.490	PK	CP	SC	24			I	B	0	2	B
CRD	2100000	20.570	PK	CP	SC	72			I	F	0	2	B
CRD	2120000	9.580	12MI	CP	SC	60		46	B	N	0	2	B
CRD	2135000	0.430	PK	CP	SC	108		86	I	F	15	1	D
CRD	2135500	3.680	PK	CP	SC	72			F	N	0	2	D
CRD	2150000	0.530		cp	sc	36		40	f	f		2	b
CRD	2150000	7.280		cp	sc	24		34	f	n		2	b
HRD	8530	3.077	HH	CP	SC	48		36	F	N	0	1_1	B
HRD	8530	3.090	HH	PA	SC	46	72	30	F	N	0	1_1	B
HRD	8530	3.527	HH	CP	SC	48		32	F	N	0	1_1	B
HRD	8530	4.158	HH	CP	SC	60		38	F	N	N	1_1	B
HRD	8579	1.162	SL	CP	SC	48		32.5	Y	N	0	2	B
HRD	8580	3.251	EF	CP	SC	48		38	F	F	0	2_2	B
HRD	8580	4.318	EF	CP	NS	18			F	N	0	5_1	D
JRD	8553	4.238	CV	CP	SC	36		35	F	N	20	1_1	B
JRD	8555	2.941	CV	CP	SC	18			I	N	0	1_1	B
JRD	85532	0.198	CV	PA	SC	66	76	54	F	N	0	2_2	B
PRD	6030	9.223	KK	CP	SC	48	48	40	F	N	0	2_2	B
PRD	6030	11.712	KK	CP	SC	48	72	57	I	O	75	2_2	B
PRD	6031	2.823	PB	PA	SC	66	84		F	N	0	1_1	B
PRD	6031	4.340	PB	CP	SC	48	48	38	F	N	0	1_1	B
PRD	6031	5.840	PB	CP	SC	36	36	40	F	N	0	1_1	B
PRD	6031	6.631	PB	CP	SC	24	24	40	F	N	0	1_1	B
PRD	6031	11.707	PB	CP	SC	36	36	46	F	N	0	2_2	B
PRD	6032	0.133	PB	CP	SC	36	36	34	I	N	0	1_1	B
PRD	6040	11.336	KK	PA	SC	82	126	42	I	N	40	1_1	B
PRD	6040	15.221	KK	CP	SC	36	36	39	I	D	0	2_2	B
PRD	6206	1.748	MT	CP	SC	60	60	30	F		40	2	B
PRD	6314	4.283	KK	CP	SC	36	36	48	B	N	0	1_1	B
PRD	6317	4.453	PB	CP	SC	72	72		F	N	0	2_2	B
PRD	6317	5.841	PB	CP	SC	36	36	30	F	N	0	2_2	B
PRD	6319	8.709	PB	CP	SC	36	36	30	I	N	0	2_2	B
PRD	6319	10.379	PB	CP	SC	36	36	48	F	N	0	2_2	B
PRD	6319	10.975	PB	CP	SC	36	36	34	F	N	0	2_2	B
PRD	6333	0.062	KK	CP	SC	18	18	40	I	N	0	1_1	B
PRD	6333	1.069	KK	CP	SC	36	36	36	I	N	60	2_2	B
PRD	6350	7.372	TK	CP	SC	48	48	34	F	N	0	2_2	B
PRD	6352	7.000	TK	CP	SC	36	36	50	I	N	50	2_2	B
PRD	6366	0.105	KK	PA	SC	48	72	38	I	F	95	2_2	B
PRD	6402	13.202	RB	CP	SC	36	36	32	F	N	35	1_1	B

VERIFIED FISH CULVERTS WITH INLET EROSION REQUIRING CORRECTIVE ACTION

District	RTE_NO	MP	SYS	FEAT	PRM	HGT	WID	LEN	IE	OE	BLK	AHMU	HAB
PRD	6405	1.184	RB	CP	SC	18	18	24	F	N	0	2	B
PRD	6410	0.513	RB	CP	SC	36	36	50	B	N	15	2_2	B
PRD	6415	1.008	RB	CP	SC	48	48		F	N	0	2	B
PRD	6415	2.118	RB	CP	SC	48	48	50	F	N	0	2	B
PRD	6415	7.198	RB	CP	SC	60	60	50	F	F	0	2	B
PRD	6420	1.419	RB	CP	SC	72	72		F	N	15	2_2	B
PRD	6420	1.578	RB	CP	SC	48	48	30	F	N	20	2_2	B
PRD	6420	1.886	RB	CP	SC	48	48	40	F	F	0	3_2	B
PRD	6441	0.613	RB	CP	SC	48	48	30	F	N	70	2	B
PRD	6441	0.613	RB	PA	SC	48	48	30	F	N	90	2_2	B
PRD	46095	2.409	RB	CP	SC	48	48	40	F	N	10	2	B
SRD	7500	6.859	IR	CP	SC	48	48		I	N	0	1	N
SRD	7500	7.506	IR	CP	SC	60	60	32	I_F	N	60	1	B
SRD	7502	4.345	IR	CP	SC	48	48		I	N	0	2	
SRD	7540	4.363	FI	CP	SC	48		30	F	N	0	2_1	B
SRD	7540	5.536	fi	cp	sc	72	72	53	f	n	0	1	b
TRDN	1425000	0.341	HEC	CP	SC	18		32	I	F	10	2	B
TRDN	1480000	4.090	MAR	CP	SC	36		29	I	N	30	2	B
TRDN	2085000	2.659	LB	CP	SC	48		40	F	N	5	2	B
TRDN	2500000	0.677	WP	CP	SC	48		38	I	B	0	2	B
TRDN	2700000	0.710	WP	CP	SC	48		40	F	N	0	1	B
TRDN	2700000	5.673	WP	CP	SC	36		36	F	B	0	1	B
TRDS	2030120	1.300	TB	CP		84		40	F		0	2	B
TRDS	2030120	1.680	TB	CP		84		52	F		0	2	D
TRDS	2050000	3.890	ST	CP	SC	24		26	F	F	0	2	B
TRDS	2050000	5.050	ST	CP	SC	36		30	F	N	5	2	B
TRDS	2050000	5.390	ST	CP	SC	60		38	F	F	0	2	B
TRDS	2050000	5.780	ST	CP	SC	36		38	F	N	0	2	B
TRDS	2050220	0.590	ST	CP	SC	48			I	O	100	1	D
TRDS	2050300	8.100	ST	CP	SC	60		40	O	N	100	2	B
TRDS	2050400	0.560	ST	CP	SC	48		41	I	N	0	1	B
TRDS	2050610	0.300	WH	PP	SC	36		40	F	N	5	2	B
TRDS	2050610	0.370	Wh	PP	SC	36		40	I	F		2	B
TRDS	2050800	2.690	WH	CP		48		40	B	B	0	2	B
TRDS	2054000	2.030	st	cp	sc	60	60	46	f_b	n	0	1	b
TRDS	2054000	2.220	st	pp	sc	36	36	36	i	n	0	2	b
TRDS	2054000	4.600	st	cp	sc	84	84	58	f	n	0	2	b
TRDS	2054300	0.460	st	pa	sc	67	95	40	i	f	0	1	b
TRDS	3000000	19.320	TB	CP	SC	18			I	N	60	2	B
TRDS	3000000	19.480	TB	CP	SC	18		40	I	O	20	2	B
TRDS	3000000	21.900	TB	CP	SC	48			I	O	0	2	B
TRDS	3000000	37.140	RZ	CP	SC	36		30	B	N	0	1	B
TRDS	3000000	47.290	CC	CP	SC	48		40	B	N	50	2	B
TRDS	3000000	48.610	CC	CP	SC	18		25	I	N	50	1	D
TRDS	3000000	57.730	CC	CP	SC	96		60	B	N	0	1	B
TRDS	3000000	58.490	CC	CP	SC	24			I	N	100	2	B
TRDS	3000000	58.630	CC	CP	DR	18			I	N	100	2	D
TRDS	3000000	58.860	CC	CP	SC	24		32	I	N	80	1	B
TRDS	3000000	58.950	CC	CP	SC	48		40	B	N	0	2	B

VERIFIED FISH CULVERTS WITH INLET EROSION REQUIRING CORRECTIVE ACTION

District	RTE_NO	MP	SYS	FEAT	PRM	HGT	WID	LEN	IE	OE	BLK	AHMU	HAB
TRDS	3000000	62.780	CC	CP	SC	36		40	I	N	40	2	B
TRDS	3000000	62.890	CC	CP	SC	48		60	I		70	2	D
TRDS	3000200	2.120	TB	CP	SC	72		38	B	N	0	2	B
TRDS	3000272	0.130	TB	PA	SC	67	95	46	B	N	0	1	B
TRDS	3015000	11.130	TB	CP	SC	72		51	F	N	0	2	D
TRDS	3018000	0.031	TB	PA	SC	4.5	6	66	B	N	0	2	B
TRDS	3018000	0.490	TB	CP	SC	84		54	B	N	0	2	B
TRDS	3018000	0.740	TB	CP	SC	72		66	B	N	0	2	B
TRDS	3018000	4.281	TB	CP	SC	48		40	B	N	0	2	B
TRDS	3020000	0.730	TB	CP	SC	60		40	B	N	0	1	B
TRDS	3020000	0.740	TB	CP	SC	60		40	B	N	0	2	B
TRDS	3030000	0.050	CC	PA	SC	91	141	47.5	B	N	10	2	B
TRDS	3030000	18.410	CC	CP	SC	36		40	B	N	0	2	B
TRDS	3030000	19.070	CC	CP	SC	36		36	B	N	0	2	B
TRDS	3030600	0.030	CC	CP	SC	36		35	F	F	20	2	B
WRD	6265	2.524	wg	cp	sc	24	24	30.5	r	n	0	2_2	b
WRD	6265	6.988	wg	cp	sc	36	36	41	I	n	0	1_2	b
WRD	6265	7.602	wg	cp	sc	36	36	40	b	n	0	3_2	b
WRD	6265	7.64	wg	cp	sc	48	48	40.5	i_f	n	0	3_2	b
WRD	6265	7.693	wg	cp	sc	48	48	48	i	n	60	3_2	b
WRD	6265	8.089	wg	cp	sc	72	72	52	f_i	n	0	2_2	b
WRD	6585	7.968	ZA	CP	SC	90	120	52.5	F	N	0	1	BT
WRD	6585	11.447	ZA	CP	SC	72	90	48.5	B	F	0	1	BT
WRD	6590	1.700	ZA	CP	DR	24	24		F	F	0	1	AUS
WRD	6590	11.197	ZA	CP	SC	48	48	40.2	B	B	0	1	AUS
WRD	6590	11.597	ZA	AR	SC	108	174	58	B	B	0	1	AUS
WRD	6590	26.172	ZA	CP	SC	36	36	30	F	F	0	2	B
WRD	6590	26.624	ZA	CP	SC	18	18	28	I	O	100	2	B
WRD	6590	26.858	ZA	AR	SC	70	90	39	O	N	85	1	B
WRD	6590	28.661	ZA	CP	SC	72	72	62	F	F	0	2	RDS
WRD	6590	33.096	ZA	AR	SC	69	99	48	F	N	0	2	RUS
WRD	6590	34.367	ZA	CP	SC	60	60	56	R	N	0	2	RUS
WRD	6590	35.632	ZA	CP	SC	60	60	48	B	N	0	2	RUS
WRD	6597	2.610	ZA	CP	SC	36	36	25	F	F	35	2	RBS
WRD	52008	0.491	ZA	PA	SC	36	36	32	F			2	RBS
WRD	52031	0.169	ZA	CP	SC	18	18	26	O	F	0	2_2	B
WRD	52031	0.247	ZA	CP	SC	48	48	30	F_B	F	0	2_2	B
WRD	52031	0.463	ZA	CP	SC	24	24	28	O	OE	0	2_2	B
WRD	52031	0.615	ZA	CP	SC	24	24	30	B_I	B	0	1_1	B
WRD	52031	0.648	ZA	CP	SC	18	18	24	F_B	F_B	0	1_1	B

VERIFIED FISH CULVERTS WITH OUTLET EROSION REQUIRING CORRECTIVE ACTION

District	RTE_NO	MP	SYS	FEAT	HGT	WID	LEN	IE	UE	BLK	AHMu	HAB
CRD	2000210	0.690	TR	CP	48			N	D	20	2	D
CRD	2000210	0.900	TR	CP	48			N	D	0	2	D
CRD	2000210	0.970	TR	CP	36			N	D	0	2	D
CRD	2000210	1.390	TR	CP	18			N	F	15	2	B
CRD	2013000	0.081		cp		60	40	I	f		1	b
CRD	2013000	0.100		cp		48	33	f	f		3_1	d
CRD	2013100	0.010		cp		18 -24?		I	f_o	50	1	b
CRD	2014000	0.330	TR	CP	24		30	N	B	0	2	B
CRD	2014000	3.010		cp		26	30	n	f		2	b
CRD	2025000	0.500	20MI	CP	18			N	F	0	2	B
CRD	2026000	1.990	20MI	CP	36		30	N	F	0	2	D
CRD	2100000	2.070	TR	CP	72		52	N	B	0	1	D
CRD	2100000	2.360		cp	36		50	n	f		2	b
CRD	2100000	5.190		cp	24		58	f	f		2	b
CRD	2100000	5.190	TR	CP	24			N	F	0	2	B
CRD	2100000	5.710		cp	36		36	n	f	0	1	b
CRD	2100000	5.710	TR	CP	36			N	F	15	1	B
CRD	2100000	6.510		cp	36		40	n	o		3_2	d
CRD	2100000	12.530		cp	108		54	n	b		2	b
CRD	2100000	12.530	PK	CP	108		54	N	B	0	2	B
CRD	2100000	12.740	PK	CP	108		70	N	F	0	2	B
CRD	2100000	14.380	PK	CP	108		54	I	D	0	1	B
CRD	2100000	15.270	PK	CP	36			N	F	0	1	D
CRD	2100000	19.490		cp	24		36	n	b_o		2	b
CRD	2100000	19.490	PK	CP	24			I	B	0	2	B
CRD	2100000	20.480		cp	24		30	n	o		2	b
CRD	2100000	20.480	PK	CP	48			N	O	0	2	B
CRD	2100000	20.570	PK	CP	72			I	F	0	2	B
CRD	2120000	0.210	12MI	CP	48		30	N	O	0	2	B
CRD	2135000	0.210	PK	CP	36			N	D	10	2	B
CRD	2135000	0.430	PK	CP	108		86	I	F	15	1	D
CRD	2150000	0.530		cp	36		40	f	f		2	b
CRD	2150000	2.940		pa_ar	122	163	81	n	b		1	b
HRD	8508	4.306	HH	CP	48		36.2	N	Y	0	2	B
HRD	8508	4.540	HH	CMP	48	62		N	Y	0	2	B
HRD	8530	4.130	HH	CP	24		48	N	D	10	1_1	B
HRD	8578	0.129	HH	CP	24	24	30	N	O	100	2	D
HRD	8578	0.608	HNH	CP	24	24	34	N	D	0	2	B
HRD	8578	1.020	HNH	CP	24	24	37	N	F	20	2	B
HRD	8580	2.019	EF	CP	24			N	D	0	4_2	D
HRD	8580	2.035	EF	CP	24		44	N	D	0	2_2	B
HRD	8580	2.089	EF	PA	42	54		N	D	0	2_2	B
HRD	8580	2.112	EF	CP	36			N	D	0	2_2	B
HRD	8580	2.166	EF	CP	36		48	N	D	0	2_2	B
HRD	8580	2.657	EF	CP	36		51	N	D	0	2_2	B
HRD	8580	3.251	EF	CP	48		38	F	F	0	2_2	B
HRD	85811	3.909	EF	CP	18.0			N	D	0	2_2	B

VERIFIED FISH CULVERTS WITH OUTLET EROSION REQUIRING CORRECTIVE ACTION

District	RTE_NO	MP	SYS	FEAT	HGT	WID	LEN	IE	OE	BLK	AHMU	HAB
JRD	8553	0.406	CV	CP	54	54	40	N	D	0	1_1	B
JRD	8553	11.695	CV	CP	24		37	N	F	0	1_1	B
PRD	6030	8.947	KK	CP	36	36	38	N	B	0	2_2	B
PRD	6030	11.712	KK	CP	48	72	57	I	O	75	2_2	B
PRD	6040	8.525	KK	CP	36	36	44	N	F	25	2_2	B
PRD	6040	15.221	KK	CP	36	36	39	I	D	0	2_2	B
PRD	6212	0.106	MT	CP	72	72	30	N	F	0	2_2	B
PRD	6317	2.112	PB	CP	72	72	44	N	F	15	2_2	B
PRD	6319	7.778	PB	CP	36	36	34	M	M	0	2_2	B
PRD	6326	1.191	KK	CP	48	48	40	N	F	0	2	B
PRD	6350	15.318	TK	CP	36	36	30	N	F	0	2_2	B
PRD	6366	0.105	KK	PA	48	72	38	I	F	95	2_2	B
PRD	6407	3.432	RB	CP	48	48	34	N	F	0	2_2	B
PRD	6407	3.432	RB	CP	48	48	34	N	F	0	2_2	B
PRD	6407	4.526	RB	CP	18	18	34	N	F	0	2_2	B
PRD	6415	2.339	RB	CP	48	48	45	N	F	0	2_2	B
PRD	6415	2.341	RB	CP	48	48	45	N	F	0	2_2	B
PRD	6415	7.198	RB	CP	60	60	50	F	F	0	2	B
PRD	6416	0.767	RB	CP	48	48	50	N	F_B	0	1_1	B
PRD	6416	1.841	RB	CP2	48	48	40	N	F	50	2	B
PRD	6416	1.842	RB	CP2	48	48	40	N	F	15	2	B
PRD	6420	1.886	RB	CP	48	48	40	F	F	0	3_2	B
PRD	6434	2.568	RB	CP	48	48	50	N	F	0	2_2	B
PRD	6441	1.296	RB	CP	24	24	24	N	F	0	2_2	B
PRD	45001	0.185	KK	CP	36	36	49	N	F	0	1	B
PRD	45001	0.185	KK	CP	36	36	50	N	B	0	1_1	B
SRD	7540	2.024	FI	CP	18		32	N	O	0	1_1	B
SRD	7540	3.615	FI	CP	36		41	N	F	0	2_2	U
SRD	7540	3.615	FI	CP	36		41	N	F	0	2_2	U
SRD	7540	3.955	FI	CP	36		36		F	0	1_1	B
SRD	7540	3.955	FI	CP	36		36		F	0	1_1	B
TRDN	1445630	1.527	HC	CP	24.0		27	N	OT	0	1	B
TRDN	2000000	123.830	WP	CP	36		30	N	O	0	1	B
TRDN	2000900	0.634	LB	CP	36		30	N	F	0	2	B
TRDN	3000000B	81.438	WP	CP	48		50	Y	Y	100	1	U
TRDN	3000000B	86.868	WP	CP	24		40	N	O	0	2	U
TRDS	2000530	0.260	ST	CP	48		48	N	F	80	2	B
TRDS	2050000	2.320	ST	CP	24		30	N	F	0	2	B
TRDS	2050000	3.890	ST	CP	24		26	F	F	0	2	B
TRDS	2050000	4.310	ST	CP	48		38	N	F	0	2	B
TRDS	2050000	4.640	ST	CP	36		26	N	F	0	2	B
TRDS	2050000	5.390	ST	CP	60		38	F	F	0	2	B
TRDS	2050220	0.590	ST	CP	48			I	O	100	1	D
TRDS	2050610	0.200	WH	PP	24		40	N	F		2	B
TRDS	2050610	0.370	WH	PP	36		40	I	F		2	B
TRDS	2050800	1.140	WH	CP	24		33	N	O	0	2	B
TRDS	2050800	2.690	WH	CP	48		40	B	B	0	2	B

VERIFIED FISH CULVERTS WITH OUTLET EROSION REQUIRING CORRECTIVE ACTION

District	RTE_NO	MP	SYS	FEAT	HGT	WID	LEN	IE	OE	BLK	AHMU	HAB
TRDS	2051050	1.330	WH	CP	36		34	N	O	95	1	
TRDS	2054000	0.020	st	cpb	48	48	120	n	f	0	1	b
TRDS	2054000	7.310	st	pp	24	24	40	n	ot	0	2	b
TRDS	2054200	0.730	ST	CP	36		32	N	D	0	2	B
TRDS	2054300	0.460	st	pa	67	95	40	i	f	0	1	b
TRDS	3000000	17.700	TB	CP	48			N	B	0	2	B
TRDS	3000000	19.480	TB	CP	18		40	I	O	20	2	B
TRDS	3000000	21.900	TB	CP	48			I	O	0	2	B
TRDS	3030600	0.030	CC	CP	36		35	F	F	20	2	B
WRD	6265	0.711	wg	cp	18	18	30	n	b	0	2_2	u
WRD	6265	0.767	wg	cp	18	18	33	n	b	0	2_2	b
WRD	6265	2.414	wg	pa	50	76	38	n	b		2_2	b
WRD	6585	11.447	ZA	CP	72	90	48.5	B	F	0	1	BT
WRD	6590	1.700	ZA	CP	24	24		F	F	0	1	AUS
WRD	6590	1.719	ZA	CP	36	36		N	O	33	1	AUS
WRD	6590	10.545	ZA	CO	37	72	38	N	O	45	1	AUS
WRD	6590	11.197	ZA	CP	48	48	40.2	B	B	0	1	AUS
WRD	6590	11.597	ZA	AR	108	174	58	B	B	0	1	AUS
WRD	6590	11.607	ZA	AR	108	174	48	N	B	0	1	AUS
WRD	6590	17.168	ZA	CP	36	36	30	N	O	0	1	B
WRD	6590	26.172	ZA	CP	36	36	30	F	F	0	2	B
WRD	6590	26.624	ZA	CP	18	18	28	I	O	100	2	B
WRD	6590	27.907	ZA	CO	3.2	6.33	33	N	F	15	2	B
WRD	6590	28.051	ZA	CP	48	48	34	N	F	0	2	D
WRD	6590	28.661	ZA	CP	72	72	55.5	N	B	0	2	D
WRD	6590	28.661	ZA	CP	72	72	62	F	F	0	2	RDS
WRD	6590	28.778	ZA	CP	48	48	40	N	F	0	2	D
WRD	6590	31.556	ZA	AR	7	9.7	54	N	F	0	2	RBT
WRD	6590	34.427	ZA	CP	72	72	48	N	F	0	2	RUS
WRD	6590	36.079	ZA	CP	48	48	40.5	N	B	0	2	RUS
WRD	6590	37.255	ZA	CP	36	36	57	N	B	0	2	RUS
WRD	6590	37.256	ZA	CP	36	36	57	N	B	0	2	RUS
WRD	6597	2.610	ZA	CP	36	36	25	F	F	35	2	RBS
WRD	52031	0.169	ZA	CP	18	18	26	O	F	0	2_2	B
WRD	52031	0.247	ZA	CP	48	48	30	F_B	F	0	2_2	B
WRD	52031	0.463	ZA	CP	24	24	28	O	OE	0	2_2	B
WRD	52031	0.615	ZA	CP	24	24	30	B_I	B	0	1_1	B
WRD	52031	0.648	ZA	CP	18	18	24	F_B	F_B	0	1_1	B

FAILURE MECHANISM FOR ROAD SURFACE EROSION

	FAILURE MECHANISM	FREQUENCY
BD	BLOCKED DITCH(obsolete code)	29
BV	BEAVER ACTIVITY	9
CS	CULVERT IS TOO SHORT	28
CSC	CUT-SLOPE SLUMPING OR SLIDING INTO CULVERT	40
CSD	CUT-SLOPE SLUMPING OR SLIDING INTO DITCH	328
DF	DEBRIS FLOW	3
EC	HYDRAULIC FLOW EXCEEDED CAPACITY	44
FS	FILL SLUMP OR SLIDE	108
IB	IMPROPER INSTALLATION	3
MDB	MISSING OR INADEQUATE DITCH(blasting required)	16
MDD	MISSING OR INADEQUATE DITCH(diggable material)	288
MI	MISSING STRUCTURE	4
MP	MECHANICAL DAMAGE OR JOINTS PARTING	2
MT	MATERIAL INADEQUATE FOR DESIGNED USE	5
OS	OVERSTEEPENED SLOPES	366
OT	OTHER(specify in notes)	66
RF	ROAD FILL(pushes off road by grader)	3
RG	ROAD GRADE NEEDS CROWNING/SHAPING	94
SC	SIDECAST MATERIAL CRACKING OFF ROADWAY	4
SD	STREAM IN DITCH	5
SDC	SEDIMENT ACCUMULATION IN CULVERT	13
SDD	SEDIMENT ACCUMULATION IN DITCH	88
SS	SUBSIDENCE	29
WDC	WOODY DEBRIS IN CULVERT	7
WDD	WOODY DEBRIS IN DITCH	10
WX	WEATHERING	4

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	WTE_NO	MP	FEAT	HGT	WID	LEN	ENT	BLK	SD	B_US	U_GD	D_GD	CHT	MI	TC_I	CO_I	BLD_C	O_BLD_T	O_U_SB	TC_O	CO_O	PD	WSE	TC	B_TC	OHV_O	OHV_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GRD	BOLD_O_I	INV_B_%	CULW_BW	GREEN	GRAY	RED		
TRDN	30000008	85.612	CP	60	60	30				5.6			PA	5.80	7.18	5.0	10			7.10	4.9	60	10.2	11.4	10.4	9.7	NA	1	-0.60	-1.80	-0.3	0.0	0.0	89	Y				
WRD	8265	4.432	pa	114	180	47	slb	0	0	21	4	4	mc	4.75	8.2	9.6	10			8.2	9.7	9.9	17.6	18.1	21.8	18.8	22	1	0.20	-0.30	0.0	-0.1	-1.1	71	Y				
PRD	6235	17.703	CP	48	48	36				3.8	1	1	NT PA	5.55	7.15	4.0	0			7.40	4.1	4.5	11.10	13.80	7.0	9.2	17.0	1	2.30	-0.40	0.7	0.0	0.0	105	Y				
CRD	2100000	5.710	cp	36	36	36				n/a	0	1	pa	5	6.89	2.0	0			7.02	3.0	3.2	10.2	10.3	2.7	9.61	6.9	1	0.28	0.15	0.4	1.0	33.3	####	Y				
JRD	8453	0.093	CP	24	24	37	PRO	0	0	2	3	2	MM	5	6.19	2	0			S	6.15	2	1.9	7.2	7.5	2.8	7.1	4.3	1	-0.65	-0.95	-0.1	0.0	0.0	100	Y			
PRD	6435	1.331	CP	48	48	48	PRO	0	0	5.3	5	5	HC MM	5.30	12.3	4	0			N	LC LG	12.51	4.0	4.3	15.36	15.96	6.9	15.17	9	1	-0.55	-1.15	0.4	0.0	0.0	75	Y		
PRD	6402	13.187	CP	24	24	32	PRO	0	0	1.00	4	0	MM PA	5.55	7.18	2	0			N	CG	7.6	1.9	2.1	8.78	9.76	5.9	8.42	12.7	1	0.26	-0.72	1.3	0.0	0.0	200	Y		
PRD	6402	13.258	CP2	48	48	40	PRO	0	0	8.40	4	2	MM PA	5.55	7.66	4	0			N	CG	7.14	4.0	4.4	10.48	11.52	6.4	11.2	14.3	1	0.38	-0.66	-1.3	0.0	0.0	48	Y		
PRD	6235	17.341	CP3	48	48	36	PRO	0	0	6.8	0	0	PA PA	5.55	7.15	4.0	0			N	S O	8.00	4.0	4.0	8.50				1	-12.00	-3.50	2.4	0.0	0.0	59	Y			
PRD	6235	17.347	CP3	48	48	36	PRO	0	0	6.8	0	0	PA PA	5.55	7.95	4.3	0			N	S O	8.50	4.2	4.3	8.50				1	-12.70	-4.20	1.5	-0.3	-7.5	59	Y			
PRD	45001	0.610	CP	36	36	30	PRO	0	0	2.3	4	1	PA PA	5.37	7.30	2.3	0			N	S	7.70	2.3	2.3	10.1	10.6	3.8	9.8	4.1	1	0.60	0.10	1.3	0.7	23.3	130	Y		
SRD	7544	2.392	CP	18	18	22	pro	0	0	22	0.05		pa	5	6.35	1.55	0			n		6.2	1.5	8.19	7.8	8.32	15	7.55	15	1	0.62	0.10	-0.7	-0.1	-3.3	7	Y		
TRDN	1530000	0.418	CP	72	72	48				7.5	5	2	MC1	0.0	3.40	6.0	0			SC	3.60	6.0	6.5	9.1	9.4	18.0	8.0	19.0	1	-0.20	-0.50	0.4	0.0	0.0	80	Y			
TRDN	3070000	0.010	CP	48	48	36				5.3	3	2	MM	5.7	9.10	4.0	0			S	9.10	4.0	3.9	11.4	11.7	4.2	10.2	4.2	1	-1.40	-1.70	0.0	0.0	0.0	75	Y			
TRDN	2085000	1.552	CP	36	36	34				2.0	2	1	PA1	5.7	7.60	3.0	0			O	7.70	3.0	3.5	10.8	11.2	3.1	10.5	5.6	1	0.50	0.10	0.3	0.0	0.0	150	Y			
TRDN	2000000	113.804	CP	36	36					7.0	1	1	PA1	5.6	8.05	3.0	0			NA	O	8.70	3.0	3.3	9.2	11.1	10.5	8.3	14.0	1	-0.60	-2.50	####	0.0	0.0	43	Y		
TRDS	2054300	0.460	pa	67	95	40				na	1	1	pa	5.0	8.10	6.2	0			o	8.00	5.8	5.8	9.2	14.80	56.0	9.9	60.0	1	1.00	-4.60	-0.2	-0.6	-11.0	####	Y			
TRDN	30000008	79.940	CP	24	24	40				3.6	1	1	PA1	5.6	8.10	2.4	0			O SI	8.35	2	3.6	12.4	13.0	2.6	11.6	3.3	1	1.66	1.08	3.1	-0.4	-20.0	56		Y		
PRD	6402	13.257	CP2	48	48	40	PRO	N	N	8.40	4	2	MM PA	5.55	7.64	4	0			N	CG	6.92	4.0	4.8	10.48	11.52	6.4	10.2	14.3	1	0.60	-0.44	-1.8	0.0	0.0	48	Y		
PRD	6415	10.455	PA2	60	84	40	MIT	100	0	6.30	0	1	PA PA	4.95	7.1	5.1	100			ORG	ORG	7.06	5.1	5.2	10.12	9.5	10.8	9.32	15.9	1	-2.66	-2.04	-0.1	-0.1	-2.0	111	Y		
PRD	6415	10.458	PA2	60	84	40	MIT	100	0	6.30	0	1	PA PA	4.95	7.36	4.4	100			ORG	ORG	7	5.1	5.1	10.12	9.5	10.8	9.32	15.9	1	-2.60	-1.98	-0.9	0.6	12.0	111	Y		
TRDN	30000008	81.438	CP	48	48	50				100	100		ES	5.7	NA	4.0	100			LC BO	O LC								1	0.00	15.24	####	0.0	0.0	####	Y			
SRD	7624	0.106	CP	36	36	40				POND	0	2	FP	5	6.56	1.29	100			FS	FS	7.5	3	11	9.63	11	14.4	9.92	15.1	1	0.50	-0.87	2.4	1.7	57.0	####	Y		
TRDN	1505300	0.215	CP	60	60	44				NA	1	1	PA5	5.60	9.90	1.8	100			O	10.00	5.1	5.3	13.4	NA	NA	11.0	24.9	1	####	-1.70	0.2	3.2	64.0	####	Y			
WRD	6590	26.858	AR	70	90	39				31	1	1	PA	4.75	8.10	5.8	60			S CG	S CG	9.75	5.2	5.3	20.15	20.65	5.1	19.05	10.5	1	5.70	5.20	4.2	0.0	0.6	24	Y		
TRDS	2000000	76.978	CP	60	60	56				NA	0	0	PA	5.8	7.00	4.0	5			O	7.70	1.3	NA	NA	NA	NA	NA	NA	1	####	####	1.3	1.0	20.0	####	Y			
TRDS	3000000	58.860	CP	24	24	32	PRO	80	10	2.0	4	1	PA1	5.4	10.92	1.0				O	12.66	1.3	1.3	11.5	0.00	0.0	0.0	0.0	1	-13.97	-2.43	5.4	1.0	52.4	102	Y			
TRDS	3015600	2.890	CP	36	36	40	PRO	80	0	8.1	3	2	MM1	5.5	6.50	1.3	100			CG SC	CG SC	7.60	0.8	NA	NA	NA	NA	NA	NA	1	####	####	2.8	1.7	56.7	37	Y		
TRDN	1445000	3.123	CP	72	72	40				NA	0	1	PA5	5.4	8.30	2.7	0			O	8.30	5.9	5.9	NA	NA	NA	NA	NA	1	####	####	0.0	3.3	55.0	####	Y			
SRD	7500	7.506	CP	60	60	32	PRO	60	0	12	3	2	AF	5	6.25	1.78	100			SC	SC	6.95	1.7	1.75	8.35	8.7	4.0	EE NOTE	40	1	0.05	-0.30	2.2	3.2	64.4	42	Y		
CRD	2013100	0.010	cp		18					2	30	8	hc	5	9.55	1.6	0			sc	10.86	1.5	4.0	13.6	13.6	4.5	13.25	8.1	1	1.26	1.26	####	-1.6	####	75	Y			
PRD	6235	17.334	CP3	36	36	44	PRO	50	0	6.8	0	0	PA PA	5.55	7.60	1.7	0			N	S O	8.65	3.0	3.2	8.50				1	-11.65	-3.15	1.9	1.3	43.3	44	Y			
TRDS	3000000	48.810	CP	18	18	25	PRO	50	30	1.6	1	2	PA5	5.4	6.63	1.0	80			SC	SC	6.92	1.0	1.1	8.3	8.33	2.6	8.0	4.9	1	0.36	0.33	1.2	0.5	34.4	91	Y		
PRD	6402	13.202	CP	36	36	32	PRO	35	0	2.80	3	1	MM PA	5.55	7.12	1.9	100			CG	CG	7.2	1.8	1.9	8.48	8.89	3.16	8.14	12.1	1	0.11	-0.52	0.3	1.1	36.7	107	Y		
TRDN	30000008	86.646	CP	72	72					15.5	4	4	MM	5.8	13.90	4.5	10			SC O	LC BC	14.10	6	6.25	16.3	18.9	16.3	17.1	25.4	1	-1.20	-3.85	####	1.5	25.0	39	Y		
PRD	6420	0.783	CP	60	60	80	PRO	25	15	5	8	6	HC MM	5.30	29.4	3.8	95			LG SC	SC	29.6	4.7	4.7	33.3	33.4	6.7	32.64	7.8	1	-0.90	-1.00	0.3	1.2	24.0	100	Y		
SRD	7544	1.634	CP	24	24	26	pro	25	25	5.3	0.5	2	lp	5	8.1	1.4	0			or	7.1	1.4	8.6	8.55	8.8	5.3	8.63	6	1	0.30	0.05	-3.8	0.6	30.0	38	Y			
TRDN	1530000	2.249	CPA	83	128	50				19.0	3	3	MM1	6.1	11.90	7.0	0			SC BC	11.60	7.2	7.4	18.4	19.0	30.0	17.7	30.0	1	0.20	-0.40	0.6	-0.1	-1.2	56	Y			
PRD	6415	8.762	CP	48	48	40	PRO	15	0	3.20	1	2	MM MM	4.95	9.46	4	40			LC CG	FG	9.88	4.0	4.1	13.96	14.1	2.8	13.24	7.1	1	0.22	0.08	1.1	0.0	0.0	125	Y		
PRD	6420	2.067	CP	48	48	40				6	5	6	MM MM	5.30	10.3	3.1	100			LG SC	LG SC	11.02	4.0	4.3	14.1	14.46	8.2	13.48	9.7	1	-0.56	-0.92	1.8	0.9	22.5	67	Y		
PRD	6314	2.176	CP	36	36	48	PRO	10	0	1.5	7	6	NT NT	5.37	10.36	3.0	0			N	LG O	13.28	3.0	3.2	16.08	16.1	2.2	15.9	5.3	1	-0.14	-0.20	6.1	0.0	0.0	200	Y		
TRDS	3030000	8.310	CP	48	48	35	PRO	10	10	7.5	3	2		5.4	0.00	3.5				SC	CG	7.51	3.4	3.4	10.8	0.00	0.0	10.3	4.9	1	-10.89	-0.13	21.5	0.5	13.1	53	Y		
TRDS	3000000	47.630	CP	48	48	30	PRO	10		4.3	4	3	MM1	5.4	7.54																								

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	RTE_NO	MP	FEAT	HGT	WID	LEN	ENT	BLK	SD	B_US	U_GD	D_GD	CHT	HI	TC_I	CO_I	BLD_C	BLD_T	U_SB	TC_O	CO_O	PD	WSE	TC	B_TC	OHV_O	OHV_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GRD	BOLD_D_I	INV_B_%	CUL_W_BW	GREEN	GRAY	RED	
PRD	6040	11 336	PA	82	126	42		40	0	20.0	0	0	MM MM	5.37	7.45	5.4	0	N	O	7.35	7.0	7.4							1	-14.35	-14.35	-0.2	1.4	21.0	53	Y		
TRDS	3030000	14 570	CP	72	72	46	PRO	10	10	8.4	3	3	MM	4.9	8.89	5.2	100	CG	CG	9.18	4.8	4.8	12.8	13.22	22.0	12.2	26.6	1	-0.72	-1.12	0.6	0.8	13.1	72	Y			
TRDS	2050610	0 700	CP	60	60	40	PRO	5		8.3	3	3	MM1	5.0	9.30	4.2	50	LC	LG	9.40	5.0	5.1	14.2	14.40	8.5	13.2	11.2	1	0.00	-0.20	0.2	0.8	16.0	60	Y			
PRD	6407	6 725	CP	36	36	32	PRO	0	0	3.60	2	1	MM NT	5.55	7.3	2.5	100	CG	CG	7.56	2.8	2.9	9.25	9.4	2.6	8.9	6.1	1	-0.96	-1.11	0.8	0.5	16.7	83	Y			
PRD	6415	9 263	PA	48	60	42	MIT	0	0	3.70	1	0	NT	4.95	9.04	4.5	100	FG	CG FG	9.76	3.3	3.3	12.52	13.2	8.4	11.52	23	1	0.14	-0.54	1.7	-0.5	-12.5	135	Y			
JRD	8453	0 239	CP	48	48	45	PRO	0	0	3.8	2		MM	5	6.73	3.2	100	FG	FG	7	3.4	3.4	9.3					1	-10.40	-1.10	0.6	0.8	20.0	105	Y			
PRD	6324	0 079	PA	60	72	39	PRO	0	0	9.7	5	5	MM MM	5.37	11	3.7	100	SC	SC	10.75	4.1	4.1	14.1	14.9	4.8	13	11.3	1	0.05	-0.75	-0.5	1.3	26.0	62	Y			
TRDN	2000000	123 830	CP	36	36	30		0	0	2.5	5	7	MM1	5.4	7.30	2.1	100	FG	FG	7.60	1.6	1.6	9.0	9.2	2.8	8.6	4.6	1	0.00	-0.20	1.0	0.9	30.0	120	Y			
TRDS	2054000	6 620	cp	60	60	40		0	0	7.6	7	2	hc mm	5.0	8.30	3.3	100	sc lc	lc cg	8.95	3.6	3.6	12.3	12.60	9.3	12.7	11.7	1	0.05	-0.25	1.6	1.7	34.0	66	Y			
TRDS	3030000	9 210	CP	84	84	50	PRO	0		13.1	4	4	MM	4.9	8.46	7.2	100	SC	SC	9.02	7.9	8.5	16.1	16.70	10.8	14.2	24.6	1	-0.20	-0.82	1.1	-0.2	-2.1	53	Y			
TRDS	3030000	10 570	CP	96	96	50	PRO	0		9.8	5	2	MM	4.9	12.14	5.1	100	SC	LC	12.37	5.2	5.2	16.9	17.81	10.8	16.2	28.2	1	0.20	-0.72	0.5	2.9	36.5	81	Y			
TRDS	2054000	0 020	cpb	48	48	120	sth	0	0	10.7	1	4	pa mm	5.0	21.30	3.9	100	cg	o sc	27.35	3.5	3.5	30.8	31.00	4.1	30.7	5.4	1	0.15	-0.05	5.0	0.1	2.5	37	Y			
HRD	8530	3 230	CP	36	36	26	PRO	0	0	3.0	5	3	MM MM	5	6.64	2.6	80	FG	S FG	6.75	2.5	2.5	9.3	9.40	4.1	9.2	4.1	1	0.15	0.05	0.4	0.4	13.3	100	Y			
TRDN	2720000	0 292	CP	36	36	33		0	0	1.0	5	6	MM	6.0	7.20	2.0	80	CG	SC CG	7.50	2.8	2.9	9.0	9.7	5.9	9.3	11.3	1	-0.60	-1.35	0.9	1.0	33.3	300	Y			
PRD	6415	6 825	PA	48	60	40	PRO	0	0	6.80	1	3	MM MM	5.55	8.05	4	60	CG	CG	8.8	4.0	3.5	12.25	12.65	14	11.65	14.4	1	-0.15	-0.55	1.9	0.0	0.0	74	Y			
TRDS	3030100	1 300	CP	36	36	32	PRO	0	0	4.0	5	8	MM1	5.5	8.07	3.0	50	CG	CG	8.18	3.0	3.3	10.91	11.11	3.5	10.5	16.2	1	-0.07	#####	0.3	0.0	0.0	75	Y			
TRDS	2054000	2 400	pa	75	110	42		0	0	6.9	4	3	pa mm	5.0	6.95	6.4	40	s lg	s lc	7.10	6.2	6.3	13.2	13.80	8.3	9.6	12.6	1	0.50	-0.10	0.4	-0.1	-1.1	133	Y			
PRD	6031	3 891	PA1	66	90	52	MIT	0	0	12	6	6	MM MM	5.37	10.5	5.7	40	S	SC	11	5.7	5.7	14.7	17	16.0	14.7	19.0	1	0.30	-2.00	1.1	-0.2	-3.6	63	Y			
JRD	8453	0 135	CP	24	23	38	PRO	0	0	2.2	1	1	MM	5	6.04	1.7	20	FG	S	6.12	1.7	1.8	7.8	8.1	3.4	7.6	4.4	1	0.28	-0.02	0.2	0.3	15.0	87	Y			
TRDN	2000000	124 600	CP	72	72	50		0	50	5.6	3	3	MM1	5.6	13.25	5.8	15	LC	CG	13.40	5.3	5.5	18.4	18.8	7.4	17.3	10.4	1	0.10	-0.30	0.3	0.2	3.3	107	Y			
TRDN	2000000	107 343	CP	60	60	76		0	0	9.7	7	8	HC2	5.6	22.30	4.7	10	SC	CG LC	22.20	5.0	5.1	26.9	27.0	6.7	26.2	7.8	1	-0.20	-0.30	-0.1	0.3	6.0	52	Y			
TRDN	3000000	86 296	CP	48	48	36		0	0	6.7	7	5	MC	5.8	8.35	3.6	10	CG SC	LC RC	8.40	4	4.45	11.7	12.2	8.3	11.4	11.2	1	-0.20	-0.70	0.1	0.4	10.0	60	Y			
TRDN	2000000	102 673	CP	72	72	42		0	0	9.2	2	2	MM1	5.6	7.48	5.5	10	CG SC	CG SC	7.81	3.7	3.7	10.3	11.5	22.0	9.7	NA	1	0.01	-1.12	0.8	0.5	8.3	65	Y			
TRDS	2050400	1 170	CP	108	108	50	PRO	0		14.6	3	1	MM1	5.5	8.55	9.0	10	CG	CG	9.30	8.8	8.9	15.5	16.40	12.8	15.9	14.0	1	-1.70	-2.60	1.5	0.0	0.0	52	Y			
TRDN	1500000	0 060	CP	36	36	30		0	0	5.4	2	1	ES	5.6	10.90	3.0	0		CG FG	11.20	3.0	3.7	14.0	14.4	15.1	13.4	21.6	1	0.20	-0.20	1.0	0.0	0.0	56	Y			
TRDN	2000000	102 685	CP	36	36	40		0	0	3.0	1	1	MM1	5.6	7.77	2.9	0	NA	FS	8.14	3.0	3.0	9.7	11.4	10.1	9.3	NA	1	0.29	-1.43	0.9	0.1	3.3	100	Y			
TRDN	2000000	102 907	PA	63	87	36		0	0	8.4	5	4	MM1	5.6	7.11	5.2	0	NA	CG SC	7.44	4.9	6.6	12.1	12.7	14.8	10.9	22.0	1	0.35	-0.28	0.9	0.0	1.0	86	Y			
TRDN	1525000	2 679	CP	89	128	58		0	0	13.5	2	2	MM1	5.7	14.30	7.8	0		LC	14.70	7.0	7.4	21.4	21.8	8.7	19.0	19.0	1	0.10	-0.30	0.7	-0.4	-5.2	79	Y			
TRDN	2000000	122 210	CP	96	96	64		0	0	13.6	5	3	MM1	5.6	14.80	8.0	0	NA	CG	14.90	8.0	8.2	21.2	22.1	18.3	20.5	20.3	1	-0.80	-1.70	0.2	0.0	0.0	59	Y			
TRDN	3000000	84 046	CP	60	60	40		0	0	8.6	3	1	MM1	5.8	12.80	5.0	0		FG SC	13.10	5.0	5.1	17.5	18.2	7.1	16.3	14.5	1	0.10	-0.60	0.7	0.0	0.0	58	Y			
TRDN	1445700	0 547	CP	72	72	40		0	5	10.4	2	1	MM1	5.4	9.00	5.9	0		B SC	9.10	5.6	5.6	13.4	14.0	10.2	13.1	10.4	1	-0.70	-1.30	0.2	0.1	1.7	58	Y			
TRDS	3030000	15 570	CP	60	60	50	PRO	0			4	4	MM	4.9	11.84	4.9	0		CG	12.33	5.0	5.2	17.3	17.52	8.9	16.6	9.5	1	0.20	-0.07	1.0	0.1	2.3	####	Y			
TRDS	3030000	18 140	CP	72	72	50	PRO	0		4.2	2	3	MM	5.4	7.00	6.0	0	CG	LC	7.70	6.0	6.4	13.7	13.80	7.6	12.6	13.8	1	0.10	0.00	1.4	0.0	0.0	143	Y			
TRDS	2056000	2 040	CP	60	60	40	PRO	0		7.3	2	3	MM1	5.6	7.95	5.0	0		CG	8.00	5.1	5.2	17.0	12.20	9.0	11.7	10.3	1	-0.90	-1.10	0.1	0.0	0.0	68	Y			
TRDS	2054000	0 430	cp	60	60	58		0	0	na	1	1	pa	5.0	9.70	5.1	0		o	9.90	5.0	5.3	10.3	11.60	13.8	10.0	19.6	1	-3.30	-4.60	0.3	-0.1	-2.0	####	Y			
TRDS	2000000	76 935	CP	36	36	40		0	0	1.0	1	1	PA	5.8	8.40	3.0	0		O	9.50	3.0	3.4	12.4	12.10	0.5	12.4	1.7	1	-0.40	-0.10	2.8	0.0	0.0	300	Y			
TRDS	3000000	56 280	CP	18	18	40	PRO	0		2.6	1	2	PA1	5.4	10.92	1.5	0		O	10.79	1.5	2.1	11.6	12.60	4.6	11.6	4.6	1	0.30	-0.66	0.3	0.0	-2.8	57	Y			
CRD	2014000	0 170	cp		48	33				4.1	2	4	mm	5	7.09	4.0	50	sc	sc lg	6.86	4.0	4.0	10.8	11.1	2.5	10.27	4.8	1	0.20	-0.03	-0.7	-4.0	#####	98	Y			
CRD	2014000	0 190	cp		36	31				2.8	5	1	mm	5	8.73	3.0	30	lg	lg	8.92	2.9	3.0	11.8	12.0	2.1	11.15	3.4	1	0.15	-0.05	0.6	-3.0	#####	107	Y			
CRD	2150000	2 940	pa ah	122	163	81	sth			22	3	3	mc	5	12.43	9.8	0		lc bo	12.47	9.8	9.8	20.9	22.3	28.3	18.96	49.0	1	0.04	-1.34	0.0	0.4	3.6	62	Y			
CRD	2150000	3 140	cp	72	72	44				9	12	6	mc	5	8.20	6.0	0		lc sc	8.73	6.0	6.4	14.1	14.6	8.4	13.62	12.9	1	-0.09	-0.65	1.2	0.0	0.0	67	Y			
PRD	6415	12 583	CP	36	36	34	PRO	0	0	5.40	0	0	PA PA	4.95	6.72	3	60	S O	S O	6.7	2.6	2	7.18	8.68	3	6.8	18.7	1	-0.62	-2.12	-0.1	0.0	0.0	56	Y			
PRD	45001	0 640	PA	60	78	40	PRO	0																														

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	RTE_NO	MP	FEAT	HGT	WID	LEN	ENT	BLK	SD	B_US	U_CD	D_CD	CHT	HI	TC_I	CO_I	BLD_C	BLD_T	U_SB	TC_O	CO_O	PD	WSE	TC	B_TC	OHV_O	OHV_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GRD	BOLD_D_I	INV_B_%	CULW_BW	GREEN	GRAY	RED
JRD	8453	0.173	PA	30	40	39	PRO	0	0	4.8	6			5	7.25	2.5	0		FG	7.79	2.6	2.5	9.7	10.1	5.3	9.3	6.3	1	-0.29	-0.69	1.4	0.0	0.0	69			Y
PRD	45001	0.185	CP	36	36	50	PRO	0	0	2.3	6	3	HC MM	5.37	11.75	3.0	0	N	CG	14.60	3.0	3.6	17.4	17.8	1.6	17.2	3.1	1	0.20	-0.20	5.7	0.0	0.0	130			Y
PRD	6416	0.137	CP	48	48	52		0	0	5	3	3	MM MM	5.30	11.74	4.1	0	N	LG	12.58	4.1	4.6	15.68	15.82	9.5	14.26	10.3	1	-0.86	-1.00	1.6	-0.1	-2.5	80			Y
PRD	6420	2.103	PA	72	96	40		0	0	15	5	6	MM MM	5.30	6.9	6.7	0	0	SC	8.62	6.6	7.5	14.54	14.88	22	14.1	24	1	-0.34	-0.68	4.3	-0.7	-11.7	53			Y
PRD	6402	13.291	CP	48	48	30	PRO	0	0	4.00	2	1	PA5 PA5	5.55	6.32	3.9	0	N	CG	6.66	4.0	4.2	10.6	11.02	3.9	10.06	11.2	1	0.16	-0.26	1.8	0.1	2.5	100			Y
SRD	7500	7.869	CP	48	48	34	PRO	0	0	SWAMP	1	1	AF	5	5.7	3.3	0		O	6.09	4.11	4.16	8.4	10.25	SWAMP	SWAMP	SWAMP	1	0.05	-1.80	1.1	0.7	17.5	####			Y
SRD	7546	2.786	CP	24	24	30	PRO	0	0	3	11	4	MM	5	6.15	1.8	0		FG	7.7	2	2.3	9.5	9.7	4.5	8.9	6	1	0.00	-0.20	5.2	0.2	10.0	67			Y
SRD	7546	4.439	CP	18	18	38	PRO	0	0	3	5	8	N	5	6	1.7	0		O	8.1	1.8	7	NA	NA				1	####	####	5.5	-0.2	-13.3	50			Y
TRDN	2000000	102.944	CP	36	36	42		0	0	1.5	3	3	HC	5.7	8.05	3.2	0	NA	CG S	8.48	2.9	3.0	11.2	11.5	4.9	10.7	7.5	1	0.07	-0.19	1.0	-0.2	-6.7	200			Y
TRDN	2000000	89.035	CP	48	48	80		0	0	4.0	15	11	HC	5.8	13.00	7.0	0			15.20	7	6.6	19.7	20.5	10.0	19.8	18.0	1	-1.70	-2.50	2.8	-3.0	-75.0	100			Y
TRDN	3000000	87.325	CP	48	48	50		0	0	6.1	3	2	MC	5.8	10.00	4.0	0		CG	12.10	4.0	4.45	15.6	15.6	6.5	14.2	12.2	1	-0.50	-0.50	4.2	0.0	0.0	66			Y
TRDN	2700000	5.623	CP	24	24	34		0	0	3.6	3	8	MC1	6.0	8.00	2.1	0		O FG	8.85	2.0	2.1	10.6	10.9	4.0	10.3	6.6	1	0.05	-0.25	2.5	-0.1	-5.0	56			Y
TRDS	2000000	72.499	CP	96	96	86		0	0	7.6	11	3	HC	5.8	15.10	8.0	0		BO	18.20	8.0	8.2	26.0	26.40	14.7	24.2	24.9	1	0.20	-0.20	3.6	0.0	0.0	105			Y
TRDS	3000000	45.930	CP	24	24	40	PRO	0	0	2.3	3	3	MC1	5.4	10.56	2.0	0		SC	14.92	2.0	3.3	13.3	13.51	3.9	12.8	6.9	1	-3.38	-3.61	10.9	0.0	1.6	87			Y
TRDS	2054000	3.560	CP	36	36	32		0	0	2.4	3	3	mm	5.0	6.70	2.9	0		CG	7.20	3.0	3.2	10.4	10.50	3.4	10.2	14.6	1	0.30	0.20	1.6	0.1	3.3	125			Y
TRDS	3030000	11.150	CP	48	48	47	PRO	0	0	3.9	7	5	MM	5.7	9.35	4.2	0		CG	11.64	3.9	3.9	15.3	15.58	3.6	15.1	6.6	1	0.07	-0.26	4.9	-0.2	-4.1	102			Y
TRDS	3030000	13.990	CP	60	60	60	PRO	0	10	3.9	4	2	MM	4.9	4.89	4.9	0		SC	8.69	5.0	5.2	12.8	13.05	9.5	12.6	10.5	1	-0.62	-0.89	6.3	0.1	1.6	127			Y
TRDS	3030000	16.200	CP	84	84	50	PRO	0	0	7.2	5	4	MM	5.4	8.70	7.0	0		SC	10.00	7.0	8.60	16.6	16.70	12.3	14.9	21.4	1	-0.30	-0.40	2.6	0.0	0.0	97			Y
TRDS	3000000	48.670	CP	18	18	30	PRO	0	0	1.3	1	1	MM1	5.4	6.43	1.5	0		SC	7.15	1.5	1.5	8.1	8.20	2.0	7.9	3.9	1	-0.43	-0.49	2.4	0.0	1.6	114			Y
TRDS	2300000	3.840	CP	48	48	60	PRO	0	0	3.6	2	5	MM1	5.4	15.51	3.9	0		O	16.50	3.0	3.1	19.1	19.45	3.9	19.0	4.3	1	0.00	-0.36	1.6	0.1	1.6	111			Y
TRDS	2050400	0.560	CP	48	48	41	PRO	0	0	6.9	7	2	MM	5.6	8.40	4.1	0		SC	8.95	4.0	4.1	12.3	12.70	5.9	11.9	11.7	1	-0.25	-0.65	1.3	-0.1	-2.5	58			Y
PRD	6350	5.183	CP	18	18	40	PRO	0	0	3.6	1	2	MM MM	4.95	8.94	1.5	0	N	FG	8.74	1.5	1.6	10.12	10.22	3.7	9.20	12.2	1	-0.02	-0.12	-0.5	0.0	0.0	42			Y
SRD	7500	7.710	CP	48	72	34		0	0	8.5	1	1	AF	5	6.49	4.56	0		O	6.49	5.11	5.16	9.69	11.65	12	9	6.5	1	0.05	-1.91	0.0	-0.6	-14.0	7			Y
TRDN	1500000	0.581	CP	60	60	32		0	0	18.0	1	1	ES	5.6	8.40	5.1	0		FG CG	8.55	5.2	5.7	NA	NA	NA	NA	NA	1	####	####	0.5	-0.1	-2.0	28			Y
TRDN	2700000	5.673	CP	36	36	36		0	0	14.0	7	3	HC2	6.0	8.00	3.2	0		B LC	8.10	3.0	3.2	10.3	10.8	5.8	9.5	16.6	1	-0.35	-0.80	0.3	-0.2	-6.7	21			Y
TRDN	3000000	80.785	CP	60	60	51		0	0	10.5	6		MM1	5.8	10.65	4.9	0		CG SC	11.60	5	5.2	15.7	15.9	14.0	14.7	16.0	1	-0.70	-0.90	1.9	0.1	2.0	48			Y
TRDN	1430310	0.013	CP	62	78	42		0	0	14.5	1	2	MM1	5.40	9.90	5.1	0		CG FG	9.50	5.2	5.7	1.9	14.6	9.9	14.1	11.5	1	-0.10	-0.20	-1.0	0.1	1.3	45			Y
TRDN	1445000	3.190	PA	59	81	47		0	10	18.0	1	2	MM1	5.4	10.20	4.8	0		S SC	10.40	5.2	5.4	14.9	15.8	32.0	14.5	32.0	1	0.20	-0.70	0.4	0.1	2.4	38			Y
TRDN	2900000	9.075	CP	18	18			0	0	4.8	2	1	MM1	5.6	7.50	1.5	0		O CG	7.55	1.5	2.1	9.0	9.3	3.8	8.8	11.1	1	0.25	-0.05	####	0.0	0.0	31			Y
TRDN	3000000	93.920	PA	96	144	40		0	0	25.0	1	1		5.8	7.60	8	0	N	SC	7.40	8	15.5	12.8	15.5	25.0	11.8	26.0	1	0.10	-2.60	-0.5	0.0	0.0	48			Y
PRD	6415	8.932	PA	53	65	36	PRO	0	0	7.50	1	3	AF AF	4.95	6.8	4.5	0	N	CG SC	7.5	4.3	4.7	11.94	12.38	5.1	10.86	14.3	1	0.58	0.14	1.9	-0.1	-1.9	72			Y
PRD	6204	8.002	CP	60	60	42	PRO	0	0	6.2	1	1	FP FP	5.55	9.22	5.0	0	N	S	9.10	5.0	6.1	14.24	15.34	2.7	13.92	9.7	1	1.24	0.14	-0.3	0.0	0.0	81			Y
PRD	6314	4.283	CP	36	36	48	PRO	0	10	3.5	3	7	HC HC	5.37	12.20	3.0	0	N	SC	12.70	3.0	3.6	15.98	16.4	3.5	15.6	5.8	1	0.72	0.28	1.0	0.0	0.0	86			Y
PRD	6031	2.958	CP	36	36	36	PRO	0	0	2.7	5	2	MM MM	5.37	10.8	3	0	N	CG	11.15	3	3.2	14.3	15	3.4	13.6	5.8	1	0.85	0.15	1.0	0.0	0.0	111			Y
PRD	6404	3.339	CP	48	48	38	PRO	0	0	2.5	3	0	MM PA	5.37	6.7	3.8	0.0	N	SC	6.72	4.1	4.9	10.98	12.54	9.8	11	11.5	1	1.72	0.16	0.1	0.2	5.0	160			Y
SRD	7500	7.801	CP	48	48	32	PRO	0	0	SWAMP	1	1	AF	5	6.9	3.35	0		O	6.95	3.15	3.25	10.42	13.3	SWAMP	SWAMP	SWAMP	1	3.20	0.32	0.2	0.7	16.3	####			Y
TRDN	1400000	7.052	CP	72	72	55		0	0	6.9	4	3	MC1	5.40	9.20	6.0	0		CG SC	10.10	6.0	6.7	15.9	16.7	11.2	15.6	12.8	1	0.60	-0.20	1.6	0.0	0.0	87			Y
TRDN	2000000	83.710	CP	96	96	48		0	35	12.0	3	3	MM	5.8	13.50	7.7	0	0	LC	12.80	8	8.5	19.0	21.3	22.7	18.9	23.7	1	0.50	-1.80	-1.5	0.3	3.8	67			Y
TRDN	1525000	3.403	CP	89	128	62		0	0	11.5	4	3	MM1	5.7	14.20	7.7	0		LC	14.40	7.0	7.9	21.7	22.6	11.0	20.3	25.0	1	1.20	0.30	0.3	-0.3	-3.8	93			Y
TRDN	1430310	0.705	CP	36	36	31		0	0	3.7	2	1	MM1	5.40	6.90	3.0	0		SC O	7.00	3.0	3.4	10.3	10.6	5.4	9.8	6.1	1	0.60	0.30	0.3	0.0	0.0	81			Y
TRDS	2054000	3.780	CP	36	36	38		0	0	3.0	4	3	mm	5.0	8.50	2.8	0		O CG	8.50	3.0	3.8	11.6	11.90	3.2	11.0	6.9	1	0.40	0.10	0.0	0.2	6.7	100			Y
TRDS	3030100	0.750	CP	60	60	36	PRO	0	15	4.0	3	1	PA4	5.7	6.80	5.3	0		O	6.50	5.1	5.1	10.2	12.00	8.9	9.9	9.0	1	0.40	-1.40	-0.8	-0.3	-6.0	125			Y
TRDS	3030000	13.750	CP	60	60	40	PRO	0	0	9.8	3	3	MM	4.9	5.08	0.0			O	9.12	4.9	5.1	1														

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	RTE_NO	MP	FEAT	HGT	WID	LEN	ENT	BLK	SD	B_US	U_GD	D_GD	CHT	HI	TC_I	CO_I	BLD_C	BLD_T	U_SB	TC_O	CO_O	PO	WSE	TC	B_TC	OHV_O	OHV_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GRD	BOLD_D_I	INV_B_%	CUL_W_BW	GREEN	GRAY	RED	
PRD	6326	4.170	CP	36	36	41	PRO	0	0	6.3	8	9	HC HC	5.37	12.00	3.0	0	0	LC	14.05	22	22	15.8	18.4	62	15.8	7.5	1	0.15	-0.45	5.0	0.0	0.0	48			Y	
PRD	6333	0.062	CP	18	18	40	PRO	0	0	4.5	10	6	HC HC	5.37	11.85	1.5	0	0	SC	13.85	15	24	14.9	15.5	24	14.5	6.6	1	0.15	-0.45	5.0	0.0	0.0	33			Y	
PRD	45001	0.485	CP	36	36	44	PRO	0	0	2.1	7	5	HC MM	5.37	7.10	3.0	0	0	CG FC	8.70	30	33	11.8	12.1	34	11.5	4.4	1	0.40	0.10	3.6	0.0	0.0	143			Y	
PRD	6031	3.833	CP	36	36	36	PRO	0	0	6.4	5	5	MM MM	5.37	9.1	3	0	0	SC	10.3	3	32	12.6	13.4	49	12.6	5.6	1	0.10	-0.70	3.3	0.0	0.0	47			Y	
PRD	6031	6.166	PA	60	84	42	PRO	0	0	5.3	2	3	MM MM	5.37	9.45	5	0	0	O FS	9.75	5	5.5	15.3	15.9	5.8	14.2	8.3	1	1.15	0.55	0.7	0.0	0.0	132			Y	
PRD	6317	0.043	CP	36	36	60	PRO	0	0	4.5	4	4	MM MM	5.37	13.54	3.0	0	0	N SG	14.72	30	4.6	17.82	18.10	3.3	17.02	10.2	1	0.38	0.10	2.0	0.0	0.0	67			Y	
PRD	6350	11.325	CP	48	48	35	PRO	0	0	6.5	4	4	MM MM	4.95	8.98	4.1	0	0	N SC CG	8.34	40	4.8	12.66	13.10	6.3	12.20	19.8	1	0.76	0.32	3.9	-0.1	-2.5	62			Y	
PRD	6416	0.767	CP	48	48	50	PRO	0	0	8.7	4	4	MM MM	5.3	10.26	4	0	0	N SC	11.48	40	5.23	14.86	14.94	16.9	14.3	19.8	1	-0.54	-0.62	2.4	0.0	0.0	46			Y	
PRD	6430	0.607	PA	96	120	54	PRO	0	0	26	2	2	MM MM	4.75	6.92	7.7	0	0	N LC CG	7.84	7.7	7.8	14.18	14.88	16.60	12.4	36.0	1	-0.66	-1.36	1.7	0.3	3.8	38			Y	
PRD	45601	1.301	PA	54	66	48	PRO	0	0	4.0	2	2	MM PA	5.37	10.15	4.3	0	0	N CG	10.55	4.4	5.7	15.3	15.8	4.6	15.0	10.8	1	0.85	0.35	0.8	0.2	4.4	138			Y	
PRD	6435	0.512	CP	36	36	36	PRO	0	5	4.5	4	4	N	5.30	6.86	3.2	0	0	N SG	8.02	30	3.5	11.27	11.51	5.2	10.53	5.9	1	0.49	0.25	3.2	-0.2	-6.7	67			Y	
PRD	6031	0.583	CP	24	24	40	PRO	0	5	2.3	2	2	PA PA	5.37	9.25	2	0	0	N O	9.4	1.8	2.3	11.7	11.9	0.9	11.5	6.0	1	0.70	0.50	0.4	0.0	0.0	87			Y	
SRD	7546	6.625	CP	18	18	36	PRO	0	0	1.5	5	30	AF	5	6.4	1.5	0	0	O	9.4	1	1.2	10	11.5	2	10.9	3.5	1	1.10	-0.40	8.3	0.0	0.0	100			Y	
SRD	7546	6.249	CP	36	36	40	PRO	0	0	4	20	10	LC	5	9.65	2.9	0	0	O	12.95	3	3.2	15.7	18.6	4	17.8	13	1	2.65	-0.25	8.3	0.1	3.3	75			Y	
SRD	7546	4.841	CP	24	24	40	PRO	0	0	3	25	25	MC	5	6.25	1.8	0	0	CG	8.2	2	3	10.5	11.2	4	8.1	6	1	1.00	0.30	4.9	0.2	10.0	67			Y	
SRD	7546	0.436	CP	18	18	32	PRO	0	0	3	6	6	MC	5	7.45	1.6	0	0	MS	8.99	1.6	3	11.4	NA	2	11.2	4	1	#####	0.81	4.8	-0.1	-6.7	50			Y	
SRD	7546	7.144	CP	18	18	30	PRO	0	0	2	7	25	MM	5	6.9	1.8	0	0	O	8.15	1.5	1.7	9.2	10.1	8	9.7	8.5	1	0.45	-0.45	4.2	-0.3	-20.0	75			Y	
SRD	7540	106.845	CP	36	36	34	PRO	0	0	6	4	6	MM	5	7.9	2.9	0	0	N	8.69	3	3.56	11.62	12.3	7	11.2	9	1	0.61	-0.07	2.3	0.1	3.3	50			Y	
TRDN	1445630	1.527	CP	24	24	27		0	0	6.2	3	2	ES	5.40	7.20	2.0	0	0	NA	O	7.80	20	2.6	9.5	9.8	2.9	8.9	8.9	1	0.00	-0.30	2.2	0.0	0.0	32			Y
TRDN	2000000	117.733	CP	84	84	92		0	0	7.0	10	12	HC3	0.0	15.40	7.3	0	0	NA	LC BC	27.50	7.0	7.8	42.4	43.3	8.8	41.7	13.6	1	8.80	7.90	13.2	-0.3	-4.3	100			Y
TRDN	3060000	0.005	CP	36	36	52		0	0	3.5	3	5	MC1	5.7	11.80	3.1	0	0	LC LG	13.70	3.2	3.5	17.0	17.3	6.8	16.7	10.1	1	0.40	0.10	3.7	-0.1	-3.3	86			Y	
TRDN	2000000	125.414	CP	24	24	36		0	0	2.2	3	1	MM1	5.6	9.10	2.0	0	0	NA	FG	9.40	20	2.9	12.2	12.3	7.5	10.8	8.0	1	0.90	0.80	0.8	0.0	0.0	91			Y
TRDN	3000000	80.709	CP	18	18	30		0	50	4.7	8	28	MM1	5.6	7.60	1.7	0	0	CG SC	8.29	1.5	1.6			5.9		7.2	1	-9.79	-9.79	2.3	-0.2	-13.3	32			Y	
TRDN	3000000	93.211	CP	36	36	40		0	0	3.0	1	3	PA	5.8	8.70	3	0	0	N O	8.80	3	12.4	12.6	13.5	6.0	11.6	10.0	1	1.70	0.80	0.3	0.0	0.0	100			Y	
TRDS	2050400	0.160	CP	36	36	35	PRO	0	0	2.9	1	5	MM	5.6	6.95	3.0	0	0	CG	7.55	30	3.6	10.9	11.05	3.9	10.6	6.6	1	0.50	0.30	1.7	0.0	0.0	103			Y	
TRDS	3030000	7.980	CP	24	24	36	PRO	0	30	4.3	4	4		4.9	6.36	1.9	0	0	CG	6.76	1.9	2.0	8.5	8.82	4.8	7.2	6.6	1	0.13	-0.16	1.1	0.1	4.9	47			Y	
SRD	7546	6.897	AR	144	168	46	PRO	0	0	30	7	7	LC	5	8.5	9.5	100	0	LC	BO	10.4	7.2	7.2	16.6	19	22	15.5	30	1	1.40	-1.00	4.1	2.5	20.8	47			Y
TRDS	3030000	19.420	CP	93	93	70	PRO	0		22.0	3	3	MM	5.7	12.85	7.2	15	0	SC	LC	12.60	6.2	6.5	20.5	20.60	30.0	20.2	38.7	1	1.80	1.70	-0.4	0.6	7.1	35			Y
PRD	6350	11.351	CP	24	24	30	PRO	0	0	1.9	3	3	MM MM	4.95	8.46	2.0	10	0	CG	CG	9.30	2.1	3.7	12.64	12.72	5.8	11.70	9.7	1	1.32	1.24	2.8	0.0	0.0	105			Y
HRD	8580	9.288	CP	48	48	34	PRO	0	0	4.5	3	4	MM MM	5	5.66	4	0	0	FG	7.25	4	4.6	11.7	11.80	5.6	11.5	6.4	1	0.55	0.45	4.7	0.0	0.0	89			Y	
PRD	6235	17.071	CP	48	48	36	PRO	0	0	5.2	3	1	AF NT	5.55	6.90	4.2	0	0	N	CG	7.94	40	4.8	12.36	13.70	5.6	10.46	14.2	1	1.76	0.42	2.9	-0.2	-5.0	77			Y
PRD	6235	0.713	CP	36	36	34	PRO	0	0	3.2	19	7	HC AF2	5.55	8.56	3.0	0	0	N	CG	10.54	30	4.1	15.00	15.60	1.8	13.80	7.2	1	2.06	1.46	5.8	0.0	0.0	94			Y
PRD	6319	10.571	CP	36	36	36	PRO	0	0	2.7	28	11	HC HC	5.37	8.75	3	0	0	N	SC	9.85	3	6	14.4	14.8	4.2	13.8	6.5	1	1.85	1.45	3.3	0.0	0.0	111			Y
PRD	6434	5.68	CP	48	48	50	PRO	0	0	6.6	9	8	HC HC	4.75	10.8	4	0	0	N	LC SC	12.02	40	6.5	18.15	18.35	5.20	16.1	8.0	1	2.33	2.13	2.4	0.0	0.0	61			Y
PRD	6032	0.484	CP	60	60	70	PRO	0	0	5	16	7	HC MM	5.37	17.5	5	0	0	N	CG	21.6	5	6.2	30.8	31.3	3.7	30.4	7.2	1	4.70	4.20	5.9	0.0	0.0	100			Y
PRD	6032	0.859	CP	60	60	81	PRO	0	0	8	7	5	HC MM	5.37	19.3	5	0	0	N	LC SC	22.65	5	5.7	31.4	31.6	8.5	30.5	15.0	1	3.95	3.75	4.1	0.0	0.0	63			Y
PRD	6350	15.318	CP	36	36	30	PRO	0	25	4.7	7	6	MM MM	4.95	5.68	3.0	0	0	N	S SC	6.54	2.9	6.6	11.48	11.95	4.4	9.82	11.1	1	2.52	2.04	2.9	0.0	0.0	64			Y
PRD	6415	2.836	CP2	48	48	40	PRO	0	0	7.50	3	4	MM MM	5.55	9.7	4.1	0	0	N	CG	10.35	4.2	5.5	15.5	15.65	6.7	14.05	8.7	1	1.10	0.95	1.6	-0.1	-2.5	53			Y
PRD	6235	15.450	CP	48	48	36	PRO	0	0	4.6	4	1	MM NT	5.55	7.54	4.2	0	0	N	SC	8.65	41	5.3	13.57	14.30	4.7	11.70	10.3	1	1.55	0.82	3.1	-0.2	-5.0	87			Y
PRD	6032	0.133	CP	36	36	34	PRO	0	15	4.5	19	14	N N	5.37	7.3	3	0	0	N	FG	8.65	3	3.9	14.6	14.7	3.7	14.2	6.2	1	3.05	2.95	4.0	0.0	0.0	67			Y
PRD	6031	0.597	CP	36	36	60	PRO	0	0	2.5	2	6	PA MM	5.37	12.4	3	0	0	N	S	14.6	3	3.5	19.3	19.6	4.9	18.8	8.7	1	2.00	1.70	3.7	0.0	0.0	120			Y
PRD	6235	0.190	CP	24	24	40		0	0	4.7	1	1	PA NT	5.55	7.86	2.4	0	0	N	S O	8.20	20	4.5	12.64	14.30	2.4	11.00	8.1	1	4.10	2.44	0.8	-0.4	-20.0	43			Y
SRD	7546	7.366	PA	36	52	40																																

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	RTE_NO	MP	FEAT	HGT	WID	LEN	ENT	BLK	SD	B_US	U_GD	D_GD	CHT	HI	TC_I	CO_I	BLD_C	BLD_T	U_SB	TC_O	CO_O	PO	WSE	TC	B_TC	OHV_O	OHV_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GRD	BLD_D_I	INV_B_	CULW_BW	GREEN	GRAY	RED	
PRD	6031	6.631	CP	24	24	40	PRO	0	0	4.3	10	8	HC	5.37	9.1	2	0	N	SC	10.25	2	3.6	13.8	15.2	3.3	13.8	4.8	1	2.95	1.55	2.9	0.0	0.0	4.7			Y	
PRD	6031	3.161	CP	60	60	54	PRO	0	0	11.4	9	9	MC	5.37	11.1	5	0	N	LC	12.85	5	6.1	19	20	10.8	19	11.4	1	2.15	1.15	3.3	0.0	0.0	4.4			Y	
PRD	6031	5.840	CP	36	36	40	PRO	0	0	9.5	3	4	MM	5.37	11.5	3	0	N	O	12.95	3	3.9	16.8	18.7	9.5	16.8	10.8	1	2.75	0.85	3.6	0.0	0.0	3.2			Y	
SRD	7543	0.203	CP	48	48	50	PRO	0	0	13	2	2	MM	5	14.3	4	0			15		17.5	18.3	17.5	9	18.8	13	1	2.50	3.30	1.5	0.0	0.0	3.1			Y	
TRDN	1400000	6.354	CP	18	18	40		0	0	3.3	4	5	MM1	5.40	10.90	1.5	0		FS	12.10	1.5	2.0	14.4	14.3	2.3	13.7	5.1	1	0.70	0.80	3.0	0.0	0.0	4.5			Y	
TRDS	2300000	3.530	CP	40	40	60	PRO	0		8.5	3	80	MM1	5.4	15.19	4.1	0		CG	17.32	4.0	4.6	21.7	22.07	4.9	21.4	6.6	1	0.75	0.43	3.6	-0.8	-23.0	3.9			Y	
CRD	2150000	3.200	cp	36	36	34				9	9	2	mm	5	7.97	2.5	0		lc	8.20	2.9	2.9	11.0	11.2	6.3	10.53	6.9	1	0.12	-0.14	0.7	0.5	16.7	3.3			Y	
TRDS	3000000	48.960	CP	18	30	PRO				2.0	1	1	PA1	5.4	7.58	1.5			O	8.76	1.1	1.1	8.9	9.41	2.6	8.5	3.9	1	-0.43	-0.92	3.9	0.0	1.6	7.6			Y	
CRD	2013000	0.100	cp	48	33					6.5	33	11	hc	5	6.07	4.0	0		bo	9.09	4.0	5.7	17.6	17.7	6.1	16.67	10.0	1	4.63	4.46	9.2	-4.0	#####	62			Y	
CRD	2013000	0.081	cp	60	40					5.9	16	14	hc	5	5.25	5.0	0		bo	7.51	5.0	7.6	15.1	15.2	4.6	14.34	16.0	1	2.68	2.55	5.7	-5.0	#####	85			Y	
SRD	7542	0.027	PA	47	60	64	PRO	0	0	10	3	3	MC	5	7.4	3.7	0	N	SC	CG	8.1	3.9	12.6	12	11.4	22	10.2	26	1	-0.60	0.00	1.1	0.2	5.5	50			Y
SRD	7500	7.455	CP	36	36	30	PRO	0	0	2	4	2	AF	5	6.7	2.3	100	SC	SC	LC	6.85	3.25	3.44	8.78	10.3	7.7	8.6	28	1	0.20	-1.32	0.5	0.7	23.3	150			Y
TRDN	1445000	9.708	CP	60	60	40		0	0	5.2	3	3	MM1	5.4	7.90	4.7	100	SC	CG	SC	8.40	4.4	4.4	12.2	12.4	6.2	12.1	7.7	1	-0.40	-0.60	1.3	0.3	6.0	96			Y
TRDS	2054000	1.175	cp	48	48	40		0	0	5.9	3	3	mc	5.0	8.10	3.4	100	cg	lg	cg	8.30	3.7	3.7	11.5	11.80	10.3	11.2	13.2	1	-0.20	-0.50	0.5	0.6	15.0	68			Y
SRD	7540	8.054	CP	70	106	41	pro	0	0	16	35	4	mm	5	8.6	6	35	ts	ts	8.7	5.6	5.7	13.05	14	13.5	12.45	14.1	1	-0.30	-1.25	0.2	-0.2	-2.9	55			Y	
SRD	7500	8.073	CP	18	18	32	PRO	0	0	SWAMP	0.5	0.5	AF	5	6.4	1.6	0		O	6.55	2.04	2.25	8.05	8.8	SWAMP	SWAMP	SWAMP	1	0.21	-0.54	0.5	-0.1	-6.7	####			Y	
TRDS	2058000	1.610	CP	60	60	50	PRO	0		3.0	2	5	MM1	5.6	9.65	4.1	100	CG	CG	9.50	4.1	4.2	13.4	13.60	4.2	13.1	5.4	1	0.00	-0.20	-0.3	0.9	18.0	167			Y	
TRDS	3000000	56.820	CP	36	36	40	PRO	0		3.3	2	2	PA1	5.4	11.12	2.3	50	SC	O	10.86	3.0	3.0	13.2	13.71	5.2	12.9	5.2	1	-0.10	-0.59	-0.7	0.7	23.5	91			Y	
SRD	7500	8.470	CP	48	48	30	PRO	0	0	2	2	2	AF	5	6.55	2.7	5	S	O	6.3	3.06	3.1	8.95	9.4	7	8	9.6	1	0.04	-0.41	-0.8	1.3	32.5	200			Y	
SRD	7500	7.791	CP	48	72	32	PRO	0	0	SWAMP	1	1	AF	5	6.55	4.5	0		O	6.76	4.79	4.79	10.4	11.55	SWAMP	SWAMP	SWAMP	1	0.00	-1.15	0.7	-0.5	-12.5	####			Y	
TRDN	3000000	84.181	CP	60	60	40		0	0	5.4	4	3	MM1	5.8	7.70	5.0	0		FG	SC	7.70	5.0	5.15	9.9	NA	NA	NA	NA	1	#####	-2.80	0.0	0.0	0.0	93			Y
TRDN	3000000	85.462	CP	24	24	40		0	0	NA	1	2	PA	5.80	10.45	2.3	0		O	10.20	2.0	1.9	10.5	NA	NA	NA	NA	1	#####	-1.70	-0.6	-0.3	-17.0	####			Y	
TRDS	3000000	57.730	CP	96	96	60	PRO	0		9.8	6	5	MC2	5.4	12.69	7.9	0		SC	12.96	7.9	8.4	18.5	19.71	21.3	18.3	26.2	1	-1.12	-2.36	0.4	0.1	1.6	81			Y	
TRDS	3000000	46.800	CP	24	24	30	PRO	0		2.6	1	1	MM1	5.4	6.69	2.1	0		O	6.10	2.1	2.4	7.9	8.10	3.0	9.9	6.6	1	-0.10	-0.26	-2.0	-0.1	-3.3	76			Y	
TRDS	2300000	1.410	CP	48	48	70	PRO	0		4.3	2	3	MM1	5.4	17.81	5.0	0		O	18.17	4.9	5.0	22.1	22.50	4.9	22.0	6.2	1	-0.56	-0.92	0.5	-1.0	-25.5	84			Y	
TRDN	2085000	2.649	CP	60	60	38		10	0	7.0	7	5	AF1	5.7	8.00	5.4	100	LC	LC	B	8.20	5.8	5.8	13.1	13.2	1.7	12.1	10.1	2	-0.80	-0.90	0.5	-0.4	-8.0	71			Y
TRDS	3030000	6.010	PA	72	87	44	PRO	10		13.1	25	10		5.4	7.97	4.9	100	LC	BO	8.40	4.8	4.9	12.3	13.12	14.8	11.3	18.0	2	-0.07	-0.92	1.0	1.1	19.1	55			Y	
TRDN	2085000	1.856	CP	48	48	40		10	0	4.4	6	8	MM1	5.7	9.30	3.8	100	CG	LC	LC	9.60	3.5	3.9	12.8	13.2	6.3	12.3	9.9	2	0.10	-0.30	0.7	0.2	5.0	91			Y
TRDS	3030000	9.250	CP	72	72	40	PRO	5		8.5	4	2	MM	4.9	7.87	5.9	100	CG	CG	8.20	4.8	4.8	12.1	12.37	16.4	11.9	18.0	2	-0.62	-0.89	0.8	0.1	1.6	70			Y	
TRDN	2085000	1.168	CP	48	48	40		5	0	6.2	6	NA	MM1	5.7	7.10	3.4	5	LC	CG	SC	7.10	4.0	4.0	9.6	9.6	NA	NA	NA	2	-1.50	-1.50	0.0	0.6	15.0	65			Y
PRD	6407	4.028	CP	60	66	46	MIT	0	0	3.70	10	3	MM	5.55	8.28	5.3	100	LC	SC	B	8.96	5.0	5.2	13.48	13.9	4.8	13.04	13.2	2	-0.06	-0.48	1.5	-0.3	-6.0	149			Y
TRDN	2000000	120.277	CPB	60	60	55		0	0	5.0	14	11	HC1	5.6	12.85	4.0	100	SC	LC	LC	13.10	5.2	5.3	18.0	18.6	4.6	17.3	9.6	2	0.30	-0.30	0.5	1.0	20.0	100			Y
TRDN	2000000	117.220	CP	60	60	70		0	75	6.0	9	14	HC2	0.0	14.10	2.3	100	CG	LC	LC	15.30	4.8	5.0	17.6	18.2	4.8	17.3	7.8	2	-1.90	-2.50	1.7	2.7	54.0	83			Y
TRDN	2000000	129.222	CP	72	72	40		0	10	5.4	5	5	MC1	5.8	11.70	3.6	100	LC	B	LC	11.90	5.2	5.4	17.1	17.4	6.0	16.6	10.3	2	0.30	0.00	0.5	2.4	40.0	111			Y
TRDN	3000000	87.695	CP	48	48	40		0	0	7.8	6	5	MM1	5.8	10.90	3.6	100	LC	CG	CG	10.45	4.0	4.3	13.8	14.4	9.2	13.4	10.2	2	-0.05	-0.65	-1.1	0.4	10.0	51			Y
TRDN	1500000	12.589	CP	60	60	30		0	0	4.5	4	3	MM1	0.0	2.50	4.0	100	SC	SC	SC	2.50	4.6	4.7	7.1	7.3	5.7	6.0	9.9	2	0.20	0.00	0.0	1.0	20.0	111			Y
TRDN	2000000	127.575	CP	48	48	46		0	0	4.5	2	1	MM1	5.80	8.10	3.6	100	ORG	SC	LC	8.40	3.4	3.3	11.1	11.4	3.7	10.7	4.9	2	-0.40	-0.70	0.7	0.4	10.0	89			Y
TRDS	2054000	2.030	cp	60	60	46		0	0	4.0	5	2	pa	5.0	8.20	3.8	100	s	cg	cg	8.40	3.6	3.5	12.0	12.20	5.9	11.7	8.7	2	0.20	0.00	0.4	1.2	24.0	125			Y
TRDN	2900000	3.925	CP	36	36	40		0	0	3.0	8	3	HC2	5.6	8.80	2.0	50	LC	CG	SC	8.95	3.0	3.1	11.5	12.1	7.4	11.4	7.7	2	0.15	-0.45	0.4	1.0	33.3	100			Y
TRDN	3000000	82.677	CP	60	60	50		0	10	3.3	2		MM	5.8	13.50	4.9	50	O	SG	14.00	3.4	3.4	16.4	17.0	4.9	15.7	7.6	2	-0.40	-1.00	1.0	0.1	2.0	152			Y	
TRDN	1500000	13.116	CPB	36	36	44		0	0	5.5	3	2	MM1	0.0	7.60	3.6	50	LC	SC	SC	10.50	3.0	2.8	12.0	12.3	8.5	10.5	9.5	2	-1.20	-1.50	6.6	-0.6	-20.0	55			Y
TRDN	2085000	2.479	CP	36	36	40		0	0	4.9	6	6	AF1	5.7	8.00	2.6	25	SC	SC	CG	8.10	3.0	3.3	10.6	10.7	3.9	10.0	14.1	2	-0.40	-0.50	0.2	0.4	13.3	61			Y
TRDN	3000000	92.615</																																				

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	RTE_NO	MP	FEAT	NGT	WID	LEN	ENT	BLK	SD	B_US	U_GD	D_GD	CHT	HI	TC_I	CO_I	BLD_C	BLD_T	U_SB	TC_O	CO_O	PD	WSE	TC	B_TC	OHW_O	OHW_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GRD	BOLD_D_I	INV_B_	CULW_BW	GREEN	GRAY	RED
TRDS	3000000	57.620	CP	24	24	30	PRO	0		3.3	3	4	HC2	5.4	7.64	20	0		O	7.97	2.0	2.0	9.3	9.87	2.6	9.3	2.6	2	-0.07	-0.66	1.1	0.0	1.6	61		Y	N
TRDS	2300000	4.090	CP	72	72	50	PRO	0		11.5	5	4	MC2	5.4	13.12	62	0		CG	13.61	5.9	6.0	18.8	19.25	5.6	18.4	8.5	2	-0.26	-0.75	1.0	-0.2	-2.8	52		Y	N
TRDS	2054000	5.330	CP	36	36	48		0	0	2.6	2	5	mm	5.0	10.35	28	0		lg cg	10.80	3.0	3.1	13.6	14.00	3.8	13.4	4.7	2	0.20	-0.20	0.9	0.2	6.7	115		Y	N
TRDS	3015105	0.570	CP	24	24	30	PRO	0	0	2.2	3	4	MM1	5.0	6.10	24	0		SC S	6.35	2.0	2.0	8.2	8.60	2.0	7.8	3.3	2	0.25	-0.15	0.8	-0.4	-20.0	91		Y	N
TRDN	2000000	123.767	CP	24	24	40		0	0	3.5	8	11	HC2	5.4	9.10	17	100	FG	CG	9.40	1.9	1.9	11.4	11.6	1.2	10.7	4.3	2	0.30	0.10	0.8	0.3	15.0	57		Y	N
TRDS	3000000	53.090	CP	60	60	45	PRO	0		9.8	15	10	HC2	5.4	10.69	30	100	LC	LC	11.02	4.6	4.9	15.6	15.94	5.6	15.0	7.2	2	0.33	-0.03	0.7	2.0	41.0	51		Y	N
TRDS	2050000	3.010	CP	36	36	30	PRO	0		3.4	5	2	MM	5.6	8.02	23	100	SC	CG	8.25	2.3	2.3	10.6	10.70	6.3	10.3	8.2	2	0.15	0.05	0.8	0.7	23.3	88		Y	N
TRDS	2050300	2.930	CP	60	60	45	PRO	0		7.6	7	4	MM1	5.6	10.20	43	100	SC	CG	10.73	4.7	4.7	15.1	15.50	9.8	14.6	12.7	2	0.07	-0.33	1.2	0.7	14.0	66		Y	N
PRD	6031	3.893	PA2	66	90	51	MIT	0	0	12	6	6	MM MM	5.37	10.3	6	30	S	SC	10.95	6	6	14.7	17	16.0	14.7	19.0	2	0.05	-2.25	1.3	-0.5	-9.1	63		Y	N
PRD	6402	16.196	PA	60	72	42	MIT	0	0	11	4	4	MM MM	5.30	12.6	5	0	N	LC	13.4	5.1	5.2	18.1	18.8	11	18	12.7	2	0.30	-0.40	1.9	0.0	0.0	55		Y	N
PRD	6407	3.176	CP	48	60	44	MIT	0	0	6.90	2	4	MM MM	5.55	8.76	3.9	90	CG	CG	9.36	3.6	3.8	13.04	13.2	3.4	12.7	10.9	2	0.24	0.08	1.4	0.1	2.5	72		Y	N
CRD	2100000	18.130	CP	36	36	38				3.8	4	6	mm	5	8.30	20	100	cg lg	cg lg	8.46	2.8	2.9	10.9	10.9	2.3	10.30	5.5	2	-0.37	-0.37	0.4	1.0	33.3	79		Y	N
TRDS	2050610	0.370	PP	36	36	40	PRO			6.0	3	1	MM	5.0	8.95	30	0		CG	9.05	3.0	3.1	11.4	11.55	12.3	10.8	13.9	2	-0.50	-0.65	0.3	0.0	0.0	50		Y	N
CRD	2100000	18.960	CP	48	48	40				8	8	5	hc	5	7.22	30	100	lg cg	lc	7.74	2.5	2.6	8.1	8.0	5.7	9.94	13.6	2	-2.24	-2.17	1.3	1.0	25.0	50		Y	N
PRD	6423	0.071	CP	48	48	40	PRO	10	0	2	1	1	PA PA	5.37	6.74	37	0	N	ORG	7.1	4	4	10.92	11.04	3.6	10.44	6.9	2	-0.06	-0.18	0.9	0.3	7.5	200	Y		N
PRD	6415	16.615	CP	48	48	34	PRO	0	0	5.70	1	0	PA PA	4.95	9.02	36	100	ORG	S ORG	9.48	37	35	10.68	13.96	6	10.16	20.4	2	0.78	-2.50	1.4	0.4	10.0	70	Y		N
PRD	46437	0.051	CP	36	36	40	PRO	0	0	2.5	3	1	MC MM	5.37	11.4	23	100	LG	LG	10.88	3	2.9	13.18	14.08	5	12.24	6	2	0.20	-0.70	-1.4	0.7	23.3	120	Y		N
PRD	6407	7.708	CP	60	60	48	PRO	0	0	6.70	4	1	MM MM	5.55	10.5	5	100	CG SC	CG	10.68	4.6	4.8	15.35	15.5	5.4	15.06	6.7	2	0.22	0.07	0.3	0.0	0.0	75	Y		N
PRD	6415	9.893	PA	60	84	35	MIT	0	0	4.50	2	6	MM MM	4.95	6.64	5.8	100	CG	CG	6.66	4.4	4.4	10.54	10.84	13.5	10.26	19.6	2	-0.22	-0.52	0.1	-0.8	-16.0	156	Y		N
PRD	6030	3.658	PA	48	72	36	PRO	0	0	7.6	2	0	MM PA	5.37	7.45	3.8	100	FG	FS	7.30	3.1	3.2	10.2	12.4	2.8	9.6	5.9	2	2.00	-0.20	-0.4	0.2	5.0	79	Y		N
WRD	6265	2.427	co	36	72	33		0	0	5	6	8	mm	4.75	5.65	3	100	sc	s cg	7	3	2.85	10	10.4	4.2	9.6	5.1	2	0.40	0.00	4.1	0.0	0.0	120	Y		N
TRDS	2300000	1.170	CP	36	36	40	PRO	0		3.6	1	1	PA5	5.4	10.10	30	20	O	O	10.99	2.7	2.7	0.0	0.00	0.0	0.0	0.0	2	-13.71	-13.71	2.2	0.0	1.6	83	Y		N
TRDN	2000000	85.884	CP	48	48	50		0	0	2.0	3	2	PA	5.8	9.00	33	10	SC/B	SC	9.30	4	4.3	13.1	13.5	6.6	13.8	14.5	2	0.20	-0.20	0.6	0.7	17.5	200	Y		N
TRDN	2079000	5.107	CP	96	96	65		0	0	10.2	4	5	MC2	5.5	14.00	80	5	CG	BO SC	14.50	7.9	7.7	20.6	21.2	20.4	20.5	28.3	2	-1.20	-1.80	0.8	0.0	0.0	78	Y		N
PRD	6030	3.365	CP	36	36	36	PRO	0	0	2.6	3	5	MM MM	5.37	10.15	30	0	N	FG	10.15	30	3.2	12.7	13.0	30	12.2	5.7	2	-0.15	-0.45	0.0	0.0	0.0	115	Y		N
PRD	6402	8.273	CP	36	36	44	PRO	0	0	3.60	3	5	MM MM	4.95	6.5	3	0	N	FG	6.54	30	3.2	9.26	9.4	3.5	8.66	4.4	2	-0.14	-0.28	0.1	0.0	0.0	83	Y		N
PRD	6030	1.006	CP	48	48	60	PRO	0	0	6.2	2	1	MM PA	5.37	13.35	40	0	N	O	13.30	40	4.0	15	18.7	90	15.0	10.4	2	1.40	-2.30	-0.1	0.0	0.0	65	Y		N
PRD	6030	4.085	CP	72	72	36	PRO	0	0	12.4	1	0	PA PA	5.37	7.15	60	0	N	O	7.40	60	63	10.9	12.1		10.9		2	-1.30	-2.50	0.7	0.0	0.0	48	Y		N
PRD	6030	10.382	CP	48	48	40	PRO	0	0	8.5	1	1	PA PA	5.37	10.45	40	0	N	CS	10.75	40	4.5	13.3	14.4	8.7	12.9	12.6	2	-0.35	-1.45	0.8	0.0	0.0	47	Y		N
PRD	6402	17.041	CP	24	24	34	PRO	0	0	4.8	2	6	PA PA	5.30	9	2	0	CG	O	10.1	20	2.2	12.1	12.5	5.4	12	6	2	0.40	0.00	3.2	0.0	0.0	42	Y		N
PRD	6441	0.126	CP	18	18	28	PRO	0	0	6.5	0	0	PA PA	4.75	5.54	1.5	0	N	O	6.24	1.5	3.0	6.16	9.20	8.30	6.1	26.0	2	1.46	-1.58	2.5	0.0	0.0	23	Y		N
TRDN	1480000	4.180	CP	48	48	36		0	0	5.2	2	6	MC1	5.40	9.00	40	0		CG FG	9.00	3.9	4.0	12.5	12.9	9.6	12.3	14.8	2	0.00	-0.40	0.0	0.0	0.0	77	Y		N
TRDN	3000000	93.019	CP	36	36	38		0	0	3.0	3	5	MM	5.8	10.20	30	0	CG	CG	10.40	2.6	13.1	12.2	12.8	4.0	11.9	50	2	-0.20	-0.80	0.5	0.0	0.0	100	Y		N
TRDN	2000810	0.390	CP	36	36	40		0	0	3.0	3	3	MM	5.6	9.70	30	0		S	9.70	2.9	2.9	11.2	11.7	6.2	11.1	11.2	2	-0.90	-1.40	0.0	0.0	0.0	100	Y		N
TRDN	1500000	12.105	CP	60	60	40		0	0	4.0	3	3	MM1	0.0	2.70	50	0	NA	CG	2.70	50	5.1	7.3	7.5	6.6	4.4	80	2	-0.20	-0.40	0.0	0.0	0.0	125	Y		N
TRDN	1500000	13.066	CP	60	60	34		0	0	6.0	4	4	MM1	0.0	4.00	50	0	NA	CG	4.10	54	5.4	9.2	9.3	6.5	8.2	11.3	2	-0.20	-0.30	0.3	0.0	0.0	83	Y		N
TRDN	2085000	1.291	CP	24	24	40		0	0	2.0	5	1	PA	5.7	9.30	20	0		O S	9.30	20	2.3	11.1	11.0	20	10.9	2.5	2	-0.30	-0.20	0.0	0.0	0.0	100	Y		N
TRDN	2000000	129.831	CP	72	72	70		0	0	NA	0	0	PA	5.80	13.70	65	0		ORG	14.20	63	6.3	17.2	19.6	9.9	170	NA	2	-0.90	-3.30	0.7	-0.5	-8.3	####	Y		N
TRDN	2900000	15.063	CP	36	36	30		0	0	NA	3	2	PA5	5.80	8.80	2.9	0		O	7.70	2.9	3.0			100	3.9	2	-10.60	-10.60	-3.7	0.1	3.3	####	Y		N	
TRDS	2000000	76.716	CP	36	36	40		0	10	1.0	1	1	N	5.8	3.20	30	0		O	9.25	3.5	3.5	12.8	12.70	0.3	12.5	1.6	2	-0.05	0.05	0.1	0.0	0.0	300	Y		N
TRDS	2058000	0.960	CP	36	36	41	PRO	0		10.0	0	0	PA	5.5	7.90	30	0		O	8.00	2.4	2.9	8.9	11.00	8.0	8.8	9.7	2	0.60	-1.50	0.2	0.0	0.0	30	Y		N
TRDS	2300000	0.550	CP	36	36	40	PRO	0		4.3	1	1	PA1	5.4	11.51	23	0		O	10.59	2.8	2.9	11.4	11.68	8.9	10.8	8.9	2	-1.74	-1.97	-2.3	0.7	23.5	70	Y		N
TRDS	3000000	58.130	CP	24	24	40	PRO	0		3.3	4	4	PA1	5.4	6.53																						

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	RTE_NO	MP	FEAT	HGT	WID	LEN	ENT	BLK	SD	B_US	U_GD	D_GD	CHT	HT	TC_I	CO_I	BLD_C	BLD_T	U_SB	TC_O	CO_O	PC	WSE	TC	B_TC	ONW_O	ONW_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GRD	BOLD_D_I	INV_B_	CULW_BW	GREEN	GRAY	RED	
PRD	6235	17 579	CP	36	36	34	PRO	80	0	5.3	1	1	PA NT	5.55	8.20	2.6	50	0	S	0	8.20	31	4.6	12.70	14.50	2.2	11.40	15.3	2	3.30	1.50	0.0	0.4	13.3	57			Y
PRD	6030	11 712	CP	48	72	57	PRO	75	0	4.8	4	3	MM MM	5.37	8.20	1.9	100	FG	CG	8.25	21	2.2	10.5	10.7	6.4	10.2	7.6	2	0.25	0.05	0.1	2.1	52.5	125			Y	
TRDN	2086000	1.221	CP	48	48			75	0	NA	1	5	PA5	5.7	7.50	3.4	100	O	O	8.70	1.6	1.4	8.5	8.8	NA	8.3	NA	2	-1.50	-1.80	0.6	15.0	0.0	0.0	91			Y
TRDN	1500000	0.375	CP	36	36	40		75	75	3.3	3	2	ES	5.6	10.85	3.0	0		O	11.10	2.4	3.2	13.8	14.3	10.9	13.4	15.2	2	0.80	0.30	0.6	0.0	0.0	0.0			Y	
TRDN	2000860	1.828	CP	36	36	60		70	80	2.4	3	1	MM1	5.7	14.00	2.9	0		S	14.80	3.0	3.9	18.6	19.6	7.6	17.9	17.2	2	1.80	0.80	1.3	0.1	3.3	125			Y	
PRD	6435	0.942	CP	48	48	32	PRO	60	0	4	2	2	MM PA	5.30	7.03	4	0	N	G OR	7.23	4.1	4.8	9.17	9.5	10	9.07	4.0	2	-1.83	-2.16	0.6	0.0	0.0	100			Y	
TRDN	2000860	1.405	CP	36	36	40		60	0	3.6	3	3	MM1	5.7	7.20	2.5	0		O F	7.50	3.0	3.1	9.9	10.1	4.3	9.3	5.2	2	-0.40	-0.60	0.8	0.5	16.7	83			Y	
WRD	6265	7.693	CP	48	48	48		60	0	7.5	19	17	hc	5	4.25	2.2	0	0	lc sc	11.75	4	4.4	15.1	15.2	9	14.8	10.2	2	-0.55	-0.85	15.6	1.8	45.0	53			Y	
TRDS	3030000	5.830	PA	72	95	46	PRO	60		11.5	14	17		5.4	10.20	3.6	90	LC	BO	9.91	5.5	6.6	15.8	16.73	5.9	15.2	12.8	2	1.28	0.39	-0.6	2.4	40.4	69			Y	
WRD	6590	26.544	CP	36	36	38		60	0	15.2	2	1	PA	4.00	6.50	2.6	0		S	8.15	3.0	3.2	11.10	11.70	7.3	10.70	8.3	2	0.55	-0.05	4.3	0.4	13.3	20			Y	
PRD	6333	1.069	CP	36	36	36	PRO	60	0	8.4	16	14	HC HC	5.37	10.90	2.4	0	N	LC	13.25	3.0	4.1	16.6	16.9	7.5	15.9	9.1	2	0.65	0.35	6.5	0.6	20.0	36			Y	
TRDS	3030000	11.200	CP	18	18	32	PRO	50	5	2.0	3	3	MM	5.7	7.61	1.1	100	O	O	7.90	1.3	1.5	8.4	8.66	1.3	7.9	4.3	2	-0.56	-0.85	0.9	0.4	25.7	76			Y	
TRDN	2000000	134.694	CP	36	36	40		50	20	2.1	14	16	HC2	5.80	9.70	3.0	40	CG LC	FS LC	13.10	1.6	NA	NA	NA	NA	15.7	3.8	2	0.00	0.00	0.0	0.0	14.3			Y		
HRD	8578	3.490	CP	18	18	37	PRO	50	0	1.5	11	6	HC2	5	9.05	1.25	25	FG	FG	12.9	0.6	1.8	13.3	13.45	1.5	13.2	2	2	-0.05	-0.20	10.4	0.3	16.7	100			Y	
TRDN	2000900	0.474	CP	24	24	30		50	20	NA	1	1	PA5	5.7	6.70	1.5		O	O	7.30	1.4	1.5	6.3				2	-8.70	-2.40	2.0	0.5	25.0	0.0			Y		
PRD	6319	7.736	CP	24	24	38	PRO	50	0	4.2	19	17	HC HC	5.37	12.2	2	25	CG	CG	14.45	1.4	1.4	15	15.3	4.2	14.7	12.0	2	-0.55	-0.85	6.1	0.0	0.0	48			Y	
PRD	6416	1.841	CP	48	48	40	PRO	50	5	12	5	7	HC HC	5.3	9.08	2.4	0	N	LC	8.98	4.0	6.4	16.74	17.02	8.7	13.98	18.5	2	4.04	3.76	-0.2	1.6	40.0	33			Y	
PRD	6352	7.000	CP	36	36	50	PRO	50	0	6.3	14	12	HC HC	5.37	20.2	2.2	0.0	N	LC	27.58	3	7.1	34.31	34.91	8.2	33.91	9	2	4.33	3.73	14.8	0.8	26.7	48			Y	
TRDS	2050400	3.350	CP	36	36	40	PRO	40		6.0	14	11	HC2	5.6	11.05	1.4	100	LC	LC	11.50	1.6	1.7	12.7	12.70	2.6	12.2	6.4	2	-0.40	-0.40	1.1	1.6	53.3	50			Y	
TRDN	1480000	4.090	CP	36	36	29		30	0	2.9	9	4	HC2	5.40	8.55	1.0	100	FG CG	CG B	8.80	1.8	1.8	10.4	10.7	5.4	9.9	8.9	2	0.10	-0.20	0.9	2.0	66.7	103			Y	
TRDN	2000810	0.300	CP	36	36	30		30	10	3.0	7	10	HC	5.6	7.00	3.0	20.80	CG	S CG	8.40	2.1	2.2	10.6	10.7	4.9	10.5	8.1	2	0.20	0.10	4.7	0.0	0.0	100			Y	
PRD	6402	22.952	CP	48	48	40	PRO	30	0	4.7	5	3	MM MM	4.75	9.62	1.8	100	N	SC FG	10.96	1.9	1.9	12.92	13.04	5.10	12.2	12.6	2	0.18	0.66	3.4	2.2	55.0	85			Y	
PRD	6402	19.268	CP	36	36	44	PRO	30	0	4.1	2	1	MM PA	5.30	8.6	2.8	0	N	O	9.2	2.9	3.2	11	11.3			2	0.80	-1.10	1.4	0.2	6.7	73			Y		
PRD	6416	2.348	CP	48	48	62	PRO	30	0	5	4	4	MM MM	5.3	13.52	4.1	0	N	LG SC	15.26	4.0	5.2	20.44	21.02	4.9	19.54	9.2	2	1.76	1.18	2.8	-0.1	-2.5	80			Y	
PRD	6430	1.173	CP	24	24	46	PRO	30	0	3.4	4	3	NT	4.75	14.2	2	0	N	FG	16.80	1.8	2.1	19.86	19.92	4.30	18.0	12.5	2	1.32	1.26	5.6	0.0	0.0	59			Y	
PRD	6407	7.338	CP	48	48	54	PRO	29	0	3.90	5	4		5.55	14.9	2.8	90	SC	SC	15	4.0	5.7	19.66	20.16	4.7	19.2	9.3	2	1.16	0.66	0.3	1.2	30.0	103			Y	
PRD	6434	4.497	CP	36	36	34	PRO	28	0	4.4	4	3	MM MM	4.75	8.72	1.9	100	FG	SC FG	8.62	2.7	2.8	11.10	11.28	3.60	10.4	8.2	2	-0.04	-0.22	-0.3	1.1	36.7	68			Y	
WRD	6265	4.516	CP	48	48	41		25	0	3.1	2	1	mm	4.75	8.1	4.1	75	s	s	8.1	4.2	4.3	11.9	12	3.2	11.8	3.6	2	-0.30	-0.40	0.0	-0.1	-2.5	129			Y	
TRDS	3030000	15.540	CP	48	48	44	PRO	25		3.3	3	3	MM	4.9	10.40	2.5	50	SC	LC	11.05	2.5	2.5	13.5	13.58	3.0	13.2	4.3	2	0.07	-0.03	1.5	1.5	38.5	122			Y	
TRDN	2079000	7.488	CP	36	36	30		25	0	6.0	5	6	MM1	5.5	10.80	2.2	10	CG SC	SC BC	11.60	2.5	2.6	14.0	14.4	4.3	13.8	6.6	2	0.30	-0.10	2.7	0.8	26.7	50			Y	
PRD	6438	0.385	CP	24	24	40	PRO	25	10	2.5	5	3	MM PA	5.30	10.5	1.4	0.0	N	CG	10.6	1.7	1.8	11.7	12.8	5.0	11.7	5.0	2	0.50	-0.60	0.2	0.6	30.0	80			Y	
PRD	6040	8.525	CP	36	36	44	PRO	25	0	2.4	3	16	MC HC	5.37	9.25	3.0	0	N	O	11.45	3.0	4.4	15.2	15.7	5.9	15.0	8.1	2	1.25	0.75	5.0	0.0	0.0	125			Y	
PRD	6430	1.013	CP	24	24	30	PRO	25	0	3.3	2	3	MM MM	4.75	5.82	2	0	N	O	6.28	2.0	2.2	9.05	9.20	2.40	7.9	4.5	2	0.92	0.77	1.5	0.0	0.0	61			Y	
PRD	6407	6.976	CP	48	48	34	PRO	22	0	3.20	5	3		5.55	8.66	3.1	100	CG	CG	8.56	3.8	3.8	12.46	12.6	3.2	12.06	6	2	0.24	0.10	-0.3	0.9	22.5	125			Y	
PRD	6420	1.578	CP	48	48	30	PRO	20	30	3.5	12	5	HC HC	5.30	9.04	3.8	75	LG	LG	9.04	3.0	3.2	11.06	11.2	7.7	10.82	13.9	2	-0.84	-0.98	0.0	0.2	5.0	114			Y	
HRD	8578	0.111	CP	24	24	32	PRO	20	10	3.0	3	17	HC															2	0.00	0.00	0.0	2.0	100.0	67			Y	
TRDN	2085000	1.123	CP	48	48	40		20	0	3.8	3	3	MM1	5.7	9.20	2.6	100	CG	CG SC	9.70	2.7	2.7	12.5	12.6	5.4	11.9	7.5	2	0.20	0.10	1.3	1.4	35.0	105			Y	
WRD	6265	2.515	CP	48	48	30		20	10	1.6	8	3.5	mm	4.75	6.4	3	60	lg	lg	6.9	3.75	3.7	10.2	10.7	1.6	9.2	2	2	0.05	-0.45	1.7	1.0	25.0	250			Y	
TRDN	3000000	92.743	CP	120	120	70		20	0	15.2	6	6	MC	5.8	17.20	10.0	0	N	B	20.60	10.0	32.5	28.4	29.0	16.1	28.2	17.1	2	-1.59	-2.20	4.9	0.0	0.0	66			Y	
TRDN	2084015	0.133	CP	72	72	54		20	0	10.2	12	10	HC2	5.7	15.50	5.4	100	SC	BD SC	15.90	6.4	6.4	23.0	23.3	11.0	22.4	11.6	2	1.00	0.70	0.7	0.6	10.0	59			Y	
TRDS	3030600	0.030	CP	36	36	35	PRO	20		4.3	5	6	MM1	5.7	9.70	1.8	100	CG	CG	9.90	2.2	5.2	13.1	13.40	4.1	12.1	4.3	2	1.30	1.00	0.6	1.2	40.0	70			Y	
TRDS	3030000	19.020	CP	24	24	40	PRO	20		2.0	8	7	HC	5.7	15.65	2.0	0		CG	7.85	0.7	0.8	9.0	9.10	2.7	8.8	5.2	2	0.55	0.40	-19.5	0.0	0.0	100			Y	
HRD	8578	1.020	CP	24	24	37	PRO																															

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	RTE_NO	MP	FEAT	HGT	WID	LEN	ENT	BLK	SD	B_US	U_GD	D_GD	CHT	HI	TC_I	CO_I	BLD_C	BLD_T	U_SB	TC_O	CO_O	PD	WSE	TC	B_TC	OHV_O	OHV_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GRD	BOLD_D_I	INV_B_%	CULW_BW	GREEN	GRAY	RED
TRDN	2000860	1.069	CP	48	48	40		10	0	7.2	2	6	PA	5.7	8.90	3.7	0		O	9.20	4.0	5.3	13.8	14.0	4.2	13.5	7.9	2	0.80	0.60	0.7	0.3	7.5	56			Y
PRD	6317	5.880	CP	36	36	30	PRO	10	0	4.0	26	5	HC HC	5.37	6.80	2.6	0	N	B LC	8.40	3.0	5.4	13.78	14.32	3.7	13.20	8.3	2	2.92	2.38	5.3	0.4	13.3	75			Y
TRDS	2050050	0.820	CP	108	108	80	PRO	10	5	4.0	9	10	HC3	5.5	26.00	9.8	0		B	32.30	9.6	10.0	42.4	43.40	8.4	41.2	12.4	2	1.50	0.50	7.9	-0.8	-8.9	225			Y
TRDS	3030000	0.050	PA	91	141	48	PRO	10		16.4	13	10		5.4	7.38	7.9	0		BO	10.27	7.9	11.5	18.8	20.07	0.0	18.4	29.5	2	1.94	0.62	6.1	-0.3	-3.8	72			Y
PRD	6326	5.861	CP	24	24	32	PRO	10	0	4.6	8	12	HC HC	5.37	9.15	1.8	50	SC CG	SC	10.30	2.0	2.9	14.5	15.4	4.3	14.2	5.1	2	3.10	2.20	3.6	0.2	10.0	43			Y
TRDN	2000860	0.715	CP	36	36	40		5	0	3.7	3	6	MM1	5.7	6.70	3.1	100	O	O CG	7.50	2.5	2.5	9.0	9.2	4.6	8.8	5.9	2	-0.80	-1.00	2.0	-0.1	-3.3	81			Y
TRDS	2050610	0.300	PP	36	36	40	PRO	5		5.5	6	4	MM1	5.6	11.85	2.1	75	SC	SC	11.75	3.0	3.3	15.0	15.10	7.9	14.7	10.5	2	0.35	0.25	-0.2	0.9	30.0	55			Y
TRDN	2085000	3.115	CP	36	36	36		5	0	7.2	6	7	AF1	5.7	8.90	2.9	10	LC	LC CG	9.00	3.0	3.7	12.0	12.2	5.1	11.4	10.7	2	0.20	0.00	0.3	0.1	3.3	42			Y
TRDN	2000850	0.392	CP	24	24	32		5	15	2.0	2	0	PA5	5.7	6.40	1.9	0		O	7.30	1.9	1.9	8.3					2	-9.20	-0.90	2.8	0.1	5.0	100			Y
TRDS	2050000	5.050	CP	36	36	30	PRO	5		2.7	17	7	HC2	5.0	6.80	2.8	0		CG	6.90	3.0	4.0	10.9	10.20	3.1	10.5	7.3	2	0.30	1.00	0.3	0.2	6.7	111			Y
TRDS	2057000	2.140	CP	18	18	45	PRO	5		3.5	6	3	MM1	5.0	9.45	1.6	80	SC	SC	10.25	1.3	1.5	11.5	11.70	2.8	11.4	4.5	2	0.15	-0.05	1.8	-0.1	-6.7	43			Y
HRD	8578	0.219	CP	36	36	30	PRO	5	5	5.0	8	12	HC	5	9.02	2.55	10	90	CG	9.93	2.2	2.2	10.93	15.50	5.6	14.88	6	2	3.37	-1.20	3.0	0.5	15.0	60			Y
TRDN	2085000	2.659	CP	48	48	40		5	0	10.5	6	6	AF1	5.7	8.20	4.0	10	LC	LC B	8.00	4.0	4.3	12.0	12.6	3.6	11.0	11.5	2	0.60	0.00	-0.5	0.0	0.0	38			Y
TRDS	3030100	0.250	CP	18	18	30	PRO	5	10	1.5	30	12	HC2	5.7	8.10	1.0	0		CG	9.40	1.5	2.0	11.2	11.30	4.3	10.8	5.7	2	0.40	0.30	4.3	0.5	33.3	100			Y
HRD	8578	0.928	CP	24	24	30	PRO	5	0	2.5	7	6	HC2	5	8.39	1.83	10	CG	CG	9.72	2	2.2	12.55	12.78	3.4	12.36	3.7	2	1.06	0.83	4.4	0.2	8.5	80			Y
HRD	8578	3.386	CP	18	18	36	PRO	5	0	2.5	12	16	HC2	5	9.55	1.35	0	NA	FG	10.74	1.5	1.8	13.4	13.60	6	13.25	7.6	2	1.36	1.16	3.3	0.2	10.0	60			Y
HRD	8578	3.511	CP	36	36	30	PRO	5	0	3.0	8	15	HC2	5	10.1	2.92	0	NA	CG	10.9	3	3.5	14.91	15.02	4	14.85	4.8	2	1.12	1.01	2.6	0.1	2.7	100			Y
TRDS	3030000	16.420	CP	24	24	36				1.5	9	8	HC	5.4	9.40	2.0	0		FG	9.60	2.0	2.2	12.8	13.00	3.6	12.4	6.4	2	1.40	1.20	0.6	0.0	0.0	133			Y
PRD	6461	1.133	CP	36	48	48	PRO	0	0	4.2	6	4	HC HC	4.75	12.7	1.9	100	SC	SC	13.55	2.0	1.9	15.19	15.39	4.20	14.4	6.4	2	-0.16	-0.36	1.8	1.1	36.7	95			Y
PRD	6241	0.727	CP	24	24	26	PRO	0	0	1.7	1	3	NT NT	5.55	11.92	2.5	100	FG S	S	12.73	2.3	2.3	14.85	15.10	1.9	14.43	2.3	2	0.07	-0.18	3.1	-0.5	-25.0	118			Y
TRDN	2934000	0.133	CP	48	48	40		0	0	3.1	3	5	MM1	5.6	11.55	3.6	100	FG SC	FG SC	12.70	3.1	2.9	15.4	15.6	2.6	15.1	3.7	2	-0.20	-0.40	2.9	0.4	10.0	129			Y
TRDN	1445000	9.731	CP	36	36	34		0	0	3.3	3	3	MM1	5.4	8.50	2.9	100	CG	FG CG	9.00	2.7	2.7	11.5	11.6	5.5	11.3	7.2	2	-0.15	-0.20	1.5	0.1	3.3	91			Y
TRDN	1430310	0.356	CP	36	36	40		0	0	3.9	4	5	MM1	5.40	7.00	2.6	100	SC	SC LC	7.60	3.0	3.4	10.7	10.8	5.4	10.4	6.8	2	0.20	0.10	1.5	0.4	13.3	77			Y
TRDS	3000000	49.500	CP	24	24	34	PRO	0		2.0	15	5	HC	5.4	9.22	1.6	100	SC	SC	9.84	2.0	2.3	11.4	11.55	3.3	11.2	8.2	2	-0.26	-0.36	1.8	0.4	19.6	102			Y
TRDS	3000000	49.360	CP	48	48	40	PRO	0		4.6	13	7	HC	5.4	7.18	2.8	100	SC	SC	8.27	3.3	3.3	11.2	11.38	4.9	10.8	7.9	2	-0.16	-0.33	2.7	1.2	30.3	87			Y
TRDS	2054000	6.540	CP	48	48	41		0	999	3.2	13	10	hc	5.0	10.80	3.1	100	LC SC LG	LG LG	11.80	2.9	3.0	14.4	14.80	2.8	14.2	5.3	2	0.10	-0.30	2.4	0.9	22.5	125			Y
TRDS	2000000	77.077	CP	48	48	40		0	0	1.0	3		MM	5.8	8.90	3.4	100	LG	LG	9.80	3.6	3.7	13.6	13.55	2.9	13.4	8.5	2	0.15	0.20	2.3	0.6	15.0	400			Y
TRDS	3030105	0.001	CP	24	24	26	PRO	0		2.3	7	3	MM1	5.7	7.10	2.0	100	O	CG	7.70	1.5	1.6	9.0	9.10	2.5	8.4	6.1	2	-0.10	-0.20	2.3	0.0	0.0	87			Y
TRDS	3015300	0.040	CP	36	36	40	PRO	0	0	2.6	3	4	MM1	5.6	12.60	2.6	100	CG FG	CG SC	13.30	2.7	2.8	16.1	16.20	2.3	15.8	8.3	2	0.20	0.10	1.8	0.4	13.3	115			Y
TRDS	2059300	0.220	CP	48	48	32	PRO	0		4.0	8	2	MM1	5.6	8.40	3.3	100	FG	FG	8.80	3.1	3.1	11.7	12.05	2.1	11.2	8.6	2	0.15	-0.25	1.3	0.7	17.5	100			Y
WRD	6265	2.524	CP	24	24	30.5		0	0	2.7	9	8	mm	4.75	8	1.35	100	sc	sc	9.3	1.4	1.3	10.1	10.4	3.6	9.9	10.4	2	-0.30	-0.60	4.3	0.7	32.5	74			Y
TRDN	2000000	122.678	CP	30	30			0	0	6.0	2	3	MM1	5.6	11.80	1.7	100	FG	O	13.40	1.9	2.1	15.2	15.6	3.5	14.4	5.5	2	0.30	-0.10	0.8	32.0	42			Y	
TRDS	2050000	3.890	CP	24	24	26	PRO	0		5.8	6	8	HC2	5.0	6.60	1.4	100	CG	CG	6.85	1.7	1.8	8.5	8.70	6.1	7.9	8.3	2	0.15	-0.05	1.0	0.6	30.0	34			Y
PRD	6030	8.775	CP	36	36	40	PRO	0	0	3.2	3	4	MM MM	5.37	11.60	3.0	100	FG	CG	11.65	3.0	3.3	14.9	15.0	4.9	14.7	5.7	2	0.35	0.25	0.1	0.0	0.0	94			Y
PRD	6328	0.103	PA	36	60	32	PRO	0	0	3.3	10	4	HC HC	5.37	7.95	3.0	100	SC	SC	8.35	2.8	2.8	10.7	11.6	2.7	10.6	3.5	2	0.45	-0.45	1.3	0.0	0.0	152			Y
PRD	6402	18.360	PA	48	60	34	PRO	0	0	6	3	3	MM MM	5.30	8.1	2.6	100	CG	CG	7.9	2.9	3	10.7	11.5	6.7	10.4	9.3	2	0.70	-0.10	-0.6	1.2	30.0	83			Y
PRD	6415	8.267	CP	48	48	36	PRO	0	0	2.60	1	2	NT NT	4.95	6.82	4	100	O FS	CG	6.56	4.0	4.2	10.66	11.16	1.7	10.12	5.5	2	0.60	0.10	-0.7	0.0	0.0	154			Y
PRD	6204	1.997	PA	36	60	40	PRO	0	0	13.4	12	5	AF	5.55	9.75	3.0	95	SC CG	LC SC	10.10	2.9	2.7	11.50	12.35	6.1	11.30	13.6	2	-0.65	-1.50	0.9	0.0	0.0	37			Y
TRDN	1480000	4.080	CP	36	36	32		0	0	3.3	3	4	MM1	5.40	7.50	2.3	90	SC CG	CG LC	8.40	3.0	3.1	11.3	11.4	4.2	11.1	14.4	2	0.00	-0.10	2.8	0.7	23.3	91			Y
TRDS	3000000	59.940	CP	48	48	50	PRO	0		5.6	5	7	MC2	5.4	10.20	4.1	80	SC	SC	18.73	4.5	4.9	21.9	22.44	8.2	21.1	13.1	2	-0.82	-1.38	17.1	-0.1	-2.5	72			Y
PRD	6434	4.388	CP	36	36	34	PRO	0	5	6	4	4	MM MM	4.75	8.16	2.2	80	SC	CG	8.19	2.8	3.1	10.93	11.18	6.40	10.0	11.6	2	0.19	-0.06	0.1	0.8	26.7	50			Y
TRDN	2000000	118.937	CP	72	72	50		0	0	NA	1	7	PA5 MM1	5.4	11.60	5.2	75	SC	O	11.30	6.0	6.4	17.4	17.9	11.2	15.8	14.3	2	0.60	0.10	-0.6	0					

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	RTE_NO	MP	FEAT	HGT	WID	LEN	ENT	BLK	SD	B_US	U_GD	D_GD	CHT	HI	TC_I	CO_I	BLD_C	BLD_T	U_SB	TC_O	CO_O	PD	WSE	TC	B_TC	OHV_O	OHV_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GD	BOLD_D_I	INV_B_%	CULW_BW	GREEN	GRAY	RED
PRD	6324	0.653	CP	36	36	36	PRO	0	0	3.2	13	11	HC HC	5.37	9.15	3	0	N	SC	10.75	3	3.8	13.7	14	4.2	13.4	5.4	2	0.25	-0.05	4.4	0.0	0.0	94			Y
PRD	6326	3.478	CP	48	48	44	PRO	0	0	6.6	10	9	HC HC	5.37	9.80	4.0	0	N	LC	10.65	4.0	4.0	13.7	14.3	4.7	13.7	4.7	2	-0.35	-0.95	1.9	0.0	0.0	61			Y
PRD	6358	0.881	CP	48	48	48	PRO	0	10	4.0	17	15	HC HC	4.95	9.22	4.0	0	N	B	14.36	4.0	4.4	17.38	17.42	5.0	16.66	29.4	2	-0.94	-0.98	10.7	0.0	0.0	100			Y
PRD	6415	4.371	CP2	48	48	100	PRO	0	0	7.60	13	13	HC HC	3.28	23.7	4	0	N	B	30.1	3.6	3.6	33.5	33.8	6.4	33.15	6.8	2	0.10	-0.20	6.5	0.0	0.0	53			Y
PRD	6204	5.895	CP	36	36	40	PRO	0	0	2.7	7	6	HC MM	5.55	7.91	3.0	0	N	CG	10.58	3.0	3.0	13.16	13.46	2.6	13.01	3.6	2	-0.06	-0.36	6.6	0.0	0.0	111			Y
PRD	6328	0.650	CP	24	24	42	PRO	0	0	3.3	12	6	HC MM	5.37	10.30	2.0	0	N	CG SC	15.00	2.0	2.0	16.7	17.0	3.3	16.7	3.3	2	0.00	-0.30	11.2	0.0	0.0	61			Y
PRD	6420	1.725	CP	36	36	32	PRO	0	5	3	15	5	HC MM	5.30	6.24	3	0	0	S O	7.26	3.0	4.3	10.28	10.38	8.3	10.16	13.2	2	0.12	0.02	3.2	0.0	0.0	100			Y
PRD	40000	2.492	CP	48	48	42	PRO	0	0	6.2	8	7	HC1 HC1	5.55	7.25	3.9	0	N	LG LC	8.44	4.0	4.5	12.24	12.35	4.1	11.80	9.3	2	-0.09	-0.20	2.8	0.1	2.5	65			Y
PRD	6441	0.196	CP	36	36	30	PRO	0	0	4.7	2	3	LC LC	4.75	7.56	2.4	0	N	FG	8.24	2.5	2.7	10.40	10.62	8.30	10.0	10.4	2	-0.12	-0.34	2.3	0.6	20.0	64			Y
PRD	6350	5.363	CP	36	36	32	PRO	0	0	3.3	4	3	MC MM	4.95	7.74	3.0	0	N	SC CG	10.36	3.0	3.0	12.20	12.44	2.9	11.06	13.3	2	-0.92	-1.16	8.2	0.0	0.0	91			Y
PRD	6031	4.340	CP	48	48	38	PRO	0	0	6	3	3	MM MM	5.37	7.45	4	0	N	O	8.15	4	4.2	9.6	12.2	6.4	9.6	15.0	2	0.05	-2.55	1.8	0.0	0.0	67			Y
PRD	6326	1.191	CP	48	48	48	PRO	0	0	6.1	2	6	MM MM	5.37	12.35	4.0	0	N	S O	12.90	4.0	4.4	15.6	16.4	9.2	15.6	9.2	2	-0.50	-1.30	1.1	0.0	0.0	66			Y
PRD	6350	16.628	CP	48	48	60	PRO	0	0	3.1	7	3	MM MM	4.95	11.36	4.0	0	N	SC	16.42	4.0	4.9	20.48	20.56	4.4	19.18	15.0	2	0.14	0.06	8.4	0.0	0.0	129			Y
PRD	6407	4.558	CP	64	84	44	MIT	0	0	6.30	6	7	MM MM	5.55	8.12	5.4	0	N	SC CG	8.9	5.4	6	14.08	14.4	5.8	13.62	13.2	2	0.10	-0.22	1.8	-0.1	-1.3	111			Y
PRD	6430	1.628	CP	60	60	41	PRO	0	0	6	2	3	MM MM	4.75	6.64	5	0	N	FG SC	7.62	5.1	5.7	12.64	12.88	9.00	10.6	28.0	2	0.16	-0.08	2.4	0.0	0.0	83			Y
PRD	6408	0.345	CP	48	48	35	PRO	0	0	5.8	4	3	MM-MM	5.30	6.2	4	0.0	N	CG	7.9	4.0	4.3	11.2	11.4	5.3	10.4	10.7	2	-0.50	-0.70	4.9	0.0	0.0	69			Y
PRD	6310	0.041	CP	24	24	45	PRO	0	0	2.8	3	1	MM PA	5.37	11.25	2.0	0	N	O	12.85	2.0	2.9	14.7	15.1	4.9	14.2	6.0	2	0.25	-0.15	3.6	0.0	0.0	71			Y
PRD	6350	14.780	CP	36	36	34	PRO	0	0	2.4	3	1	MM PA	4.95	7.62	3.0	0	N	FG S	10.44	3.0	3.1	13.44	13.52	2.4	12.46	19.3	2	0.08	0.00	8.3	0.0	0.0	125			Y
PRD	6358	2.481	CP	48	48	40	PRO	0	0	3.6	3	1	MM PA	4.95	6.52	4.0	0	N	SC CG	9.30	4.0	4.0	11.24	12.26	12.6	10.64	19.8	2	-1.04	-2.06	7.0	0.0	0.0	111			Y
PRD	6403	0.016	CP	18	18	34	PRO	0	15	1.5	3	3	N	5.37	8.3	1.55	0	N	LG	10.06	1.7	1.7	11.44	11.84	0.8	11.12	1.6	2	0.08	-0.32	-0.1	-3.3	100			Y	
PRD	6407	1.759	CP	18	18	30	PRO	0	0	2	3	4	N N	5.30	6.8	1.5	0	N	CG	8.5	1.5	1.7	9.7	9.9	1.6	9.6	3.1	2	-0.10	-0.30	5.7	0.0	0.0	75			Y
PRD	6350	15.906	CP	36	36	32	PRO	0	0	2.3	11	7	NT HC	4.95	7.56	3.0	0	N	FG SC	9.16	3.0	3.2	12.14	12.38	2.0	11.04	9.7	2	0.22	-0.02	5.0	0.0	0.0	130			Y
PRD	6352	2.086	CP	24	24	36	PRO	0	0	2.4	6	7	NT NT	4.95	11.26	2.0	0	N	CG	13.84	2.0	2.0	15.70	15.80	0.9	15.16	1.8	2	0.16	0.06	6.6	0.0	0.0	83			Y
PRD	6245	4.690	CP	48	48	50	PRO	0	0	4.0	6	5		5.55	12.70	4.7	0	N	CG S	15.06	3.9	3.9	18.20	19.10	3.5	18.00	7.8	2	0.14	-0.76	4.7	-0.7	-17.5	100			Y
PRD	6245	7.052	CP	48	48	40		0	20	3.0	6	5		5.55	7.00	2.9	0	N	LC	8.34	4.0	4.3	11.46	11.70	15.7	11.30	17.7	2	-0.64	-0.88	3.4	1.1	27.5	133			Y
SRD	7500	13.741	CP	18	18	24	PRO	0	0	2	2	2	MC	5	5.09	1.61	0		SC	7.25	0.85	1.05	7.7	8.3	2	8	2	2	0.20	-0.40	9.0	-0.1	-7.3	75			Y
SRD	7500	12.500	CP	36	36	44	PRO	0	0	3	2	2	MC	5	7	3.5	0		SC	7.5	3.1	3.19	10.4	10.69	2.2	9.82	2.2	2	0.09	-0.20	1.1	-0.5	-16.7	100			Y
SRD	7500	13.621	CP	18	18	24	PRO	0	0	2	2	2	SWAMP	5	5.9	1.5	0		O	6.4	1.2	1.4	7.7	7.8	3	7.5	5	2	0.20	0.10	2.1	0.0	0.0	75			Y
SRD	7500	13.578	CP	18	18	24	PRO	0	0	SWAMP	2	2	SWAMP	5	6.55	1.45	0		O SC	7.1	1.4	1.5	8.3	8.6	3.5	8	5.9	2	0.10	-0.20	2.3	0.1	3.3	####			Y
TRDN	2500000	2.095	CP	24	24	30		0	0	3.2	6	1	HC	5.6	8.20	2.0	0		CG	8.80	2.0	2.3	10.7	10.8	7.5	10.0	9.8	2	0.00	-0.10	2.0	0.0	0.0	63			Y
TRDN	2080000	0.713	CP	72	72	50		0	0	11.5	12	10	HC	5.0	11.00	6.0	0		B	12.90	6.0	7.8	14.6	14.9	6.8	12.9	10.3	2	-4.00	-4.30	3.8	0.0	0.0	52			Y
TRDN	2000000	103.352	CP	24	24	50		0	0	2.5	5	4	HC1	5.6	10.40	2.0	0	NA	FS SC	13.60	2.0	2.7	12.9	13.0	2.7	12.6	3.0	2	-2.60	-2.70	6.4	0.0	0.0	80			Y
TRDN	2000000	111.438	C	48	48	40		0	0	3.9	12	7	HC2	5.6	10.80	4.0	0		LC CG	13.05	3.4	3.4	16.4	16.6	4.1	16.3	4.9	2	0.15	-0.05	5.6	0.0	0.0	103			Y
TRDN	2000000	129.675	CP	36	36	40		0	0	4.2	32	35	HC2	5.80	11.60	2.8	0		CG LC	14.50	3.0	3.3	17.5	17.7	3.5	17.3	3.7	2	-0.20	-0.40	8.3	0.2	6.7	71			Y
TRDN	1480000	4.130	CP	24	24	34		0	0	3.5	10	5	HC2	5.40	7.90	1.8	0		FG CG	8.50	2.1	2.2	10.4	10.6	6.1	10.1	8.4	2	-0.05	-0.25	1.8	0.2	10.0	57			Y
TRDN	1400000	6.284	CP	18	18	42		0	0	2.9	12	14	HC2	5.40	11.60	1.5	0		CG SC	12.70	1.6	1.5	13.7	14.0	2.4	13.3	5.0	2	-0.30	-0.60	2.6	0.0	0.0	52			Y
TRDN	2087100	0.647	CP	60	60	40		0	0	7.0	5	2	MC	5.7	9.70	5.0	0		SC	11.10	4.8	5.2	15.3	15.6	4.3	15.0	9.6	2	-0.30	-0.60	3.5	0.0	0.0	71			Y
TRDN	1430310	0.663	CP	36	36	30		0	10	1.8	7	2	MM1	5.40	6.50	3.0	0		LG	7.30	3.1	3.2	10.5	10.7	3.0	10.0	3.3	2	0.30	0.10	2.7	0.0	0.0	167			Y
TRDN	2000850	0.080	CP	36	36	40		0	0	2.0	3	5	MM1	5.7	9.60	3.0	0		O	11.20	2.9	3.0	13.9	14.0	1.3	13.4	2.3	2	-0.10	-0.20	4.0	0.0	0.0	150			Y
TRDN	1445310	0.751	CP	24	24	41		0	0	2.0	5	2	MM1	5.40	9.10	2.0	0		CG	10.10	1.9	2.0	11.8	11.9	0.8	11.3	5.2	2	-0.10	-0.20	2.4	0.0	0.0	100			Y
TRDN	1445310	0.388	CP	24	24	54		0	0	2.0	3	2	MM1	5.40	7.40	2.0	0		O	8.40	2.0	2.1	10.5	10.6	1.1	10.2	3.2	2	0.20	0.10	1.9	0.0	0.0	100			Y
TRDN	1525200	1.183	CP	18	18	30		0	0	1.6	6	1	MM1	5.7	10.50	1.5	0		FG CG	11.40	1.5	1.5	12.0	12.5	2.0	11.5	3.7	2	-0.40	-0.90	3.0	0.0	0.0	94			Y
TRDN	2085000	0.944	CP	36	36	38		0	0	3.																											

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	RTE_NO	MP	FEAT	HGT	WID	LEN	ENT	BLK	SD	B_US	U_GD	D_GD	CHT	HI	TC_I	CO_I	BLD_C	BLD_T	U_SB	TC_O	CO_O	PD	WSE	TC	B_TC	OHW_O	OHW_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GRD	BOLD_D_I	INV_B_	CULW_BW	GREEN	GRAY	RED
HRD	8578	2196	CP	24	24	39	PRO	0	0	4.0	7	8	HC	5	9.05	1.94	0	NA	FG	9	2	2.59	11.26	11.60	3.5	11.1	3.9	2	0.60	0.26	-0.1	0.1	3.0	50			Y
PRD	6407	1.452	CP	36	36	48	PRO	0	5	3.4	3	3	MM MM	5.30	9.4	2.9	0	N	CG	9.7	3.0	3.6	12.9	13.3	2.3	12.7	3.5	2	0.60	0.20	0.6	0.1	3.3	88			Y
SRD	7500	11.932	CP	48	48	38		0	0	3.5	3	3	MC	5	7.1	3.9	0		O SC	7.2	4	5.19	11.25	12.4	9	11.15	10.1	2	1.20	0.05	0.3	0.1	2.5	114			Y
TRDN	2000000	90.201	CP	60	60	50		0	0	5.5	7	11	HC	5.8	12.80	5.0	0	N	LC	13.80	5	5.8	18.8	19.9	11.0	18.1	11.5	2	1.10	0.00	2.0	0.0	0.0	91			Y
TRDN	2085000	0.408	CP	18	18			0	0	2.2	12	7	HC1	5.7	10.20	1.5	0		O	11.10	1.5	2.2	12.9	13.0	1.9	12.7	2.2	2	0.40	0.30	###	0.0	0.0	68			Y
TRDN	2900000	4.849	CPB	72	72	44		0	0	9.7	16		HC2	5.6	7.20	5.9	0		B BO	9.20	6.1	7.0	15.5	16.0	9.5	14.9	12.5	2	0.70	0.20	4.5	0.1	1.7	62			Y
TRDN	1525000	5.606	CP	48	48	40		0	0	3.0	3	3	MM1	5.7	10.50	4.4	0		CG	10.90	4.0	4.3	15.2	15.3	6.1	13.8	6.6	2	0.40	0.30	1.0	-0.4	-10.0	133			Y
TRDN	2000000	113.696	CP	24	24	40		0	0	2.6	2	2	MM1	5.6	9.40	2.0	0	NA	O	9.60	2.0	3.7	11.8	12.3	1.3	11.0	2.5	2	0.70	0.20	0.5	0.0	0.0	77			Y
TRDN	1400000	2.761	CP	48	48	36		0	0	5.9	2	4	MM1	5.40	7.20	4.0	0		FS FG	7.30	4.0	4.2	11.3	11.7	15.2	10.7	17.0	2	0.40	0.00	0.3	0.0	0.0	68			Y
TRDN	1400000	2.877	PA	86	130	48		0	0	17.3	4	2	MM1	5.40	8.40	7.1	0		BR LC	8.60	7.0	6.9	15.0	16.4	10.8	13.9	14.7	2	0.80	-0.60	0.4	0.1	0.9	63			Y
TRDN	1446000	1.542	CP	48	48	48		0	0	NA	0	7	NA	5.40	11.00	3.9	0		O	11.00	4.0	4.8	15.3	15.8	8.7	15.1	10.6	2	0.80	0.30	0.0	0.1	2.5	###			Y
TRDS	2000000	81.181	CP	18	18			0	0	NA	2	2	MM	5.8	10.30	1.5	0		O	11.00	1.5	2.4	12.8	13.00	0.4	12.4	2.5	2	0.50	0.30	###	0.0	0.0	###			Y
TRDS	3030400	0.220	CP	18	18	30	PRO	0	0	2.4	1	1	PA1	5.7	6.30	1.5	0		O	6.50	1.5	1.9	8.3	8.50	2.0	8.0	4.6	2	0.50	0.30	0.7	0.0	0.0	63			Y
SRD	7500	12.771	CP	24	24	43	PRO	0	0	6	6	6	MC	5	12	1.5	0		SC	15	2	2.2	16.6	17.2	6	18	6	2	0.20	-0.40	7.0	0.5	25.0	33			Y
PRD	6031	12.263	PA	76	114	44	MIT	0	0	8.4	6	13	HC HC	5.37	8	5.5	100	CG	SC	8.7	6	6.2	15.2	15.8	15.0	15.2	25.0	2	1.10	0.50	1.6	0.8	13.2	113			Y
TRDN	2000000	89.894	AO	108	54	91		0	0	3.5	23	13	HC	5.8	18.50	5.5	100	BO LC	B	31.80	5.5	5.7	37.9	38.1	3.6	36.8	8.1	2	0.80	0.60	14.6	3.5	38.9	129			Y
TRDN	1445310	0.166	CP	84	84	40		0	0	6.0	6	3	MM1	5.40	9.60	5.7	100	FG	CG	9.60	6.6	6.8	16.8	16.9	2.1	15.1	9.1	2	0.70	0.60	0.0	1.3	18.6	117			Y
TRDN	2087000	0.696	CP	48	48	40		0	0	8.4	3	1	PA1	5.7	8.40	3.9	100	O	O	9.50	3.5	3.3	9.8	11.3	8.7	9.1	9.8	2	-1.70	-3.20	2.8	0.1	2.5	48			Y
TRDS	2050000	4.310	CP	48	48	38	PRO	0	0	11.4	16	11	HC2	5.0	7.80	3.8	100	FG	LC	8.20	3.2	3.2	10.3	10.50	5.1	9.8	12.0	2	-0.90	-1.10	1.1	0.2	5.0	35			Y
TRDS	2060000	1.075	CP	36	36	36		0	0	3.8	1.5	2.0	MM1	5.5	9.30	1.7	100	SC O	SC CG	9.50	1.9	1.7	12.4	12.40	6.7	11.8	7.7	2	1.00	1.00	0.6	1.3	43.3	79			Y
PRD	6352	2.106	CP	72	72	52	PRO	0	0	11.2	7	9	MM MM	4.95	10.20	5.7	60	SC	CG	10.30	6.0	7.7	19.60	19.40	13.2	18.22	22.8	2	3.1	3.30	0.2	0.3	5.0	54			Y
TRDS	3030000	18.410	CP	36	36	40	PRO	0	0	7.5	7	14	HC	5.4	8.00	3.0	60	CG	LC	8.90	2.0	2.40	10.7	10.90	2.9	10.1	12.0	2	0.0	-0.20	2.3	0.0	0.0	40			Y
TRDS	3000000	48.110	CP	36	36	30	PRO	0	5	4.3	11	4	MM1	5.4	7.15	2.6	60	CG	CG	7.25	2.6	4.1	10.4	10.46	3.9	9.5	7.5	2	0.3	0.52	0.3	0.4	12.5	70			Y
PRD	6358	2.450	CP	36	36	34	PRO	0	0	2.8	2	0	NT PA	4.95	6.04	3.0	50	0	O	7.46	2.9	2.9	8.00	11.02	8.5	7.20	30.0	2	0.6	-2.36	4.2	0.0	0.0	107			Y
PRD	40000	2.956	CP	60	60	52	PRO	0	0	4.7	14	14	HC HC	5.55	14.25	4.4	40	LC	SC B	15.30	5.0	5.8	20.70	21.90	6.8	20.10	8.4	2	0.30	0.40	2.0	0.6	12.0	106			Y
PRD	6415	3.934	CP	24	24	32	PRO	0	25	5.30	13	4	HC MM	5.55	7.1	2	40	SC LC	SC LG	8.15	1.8	1.9	9.55	9.75	3.3	9.05	6.7	2	0.20	-0.40	3.3	0.0	0.0	38			Y
TRDN	2000000	108.153	CPB	60	60	120		0	0	6.6	14	10	HC2	5.6	16.30	3.4	20	LC	BO LC	22.70	3.7	3.7	27.7	27.8	4.6	26.8	6.3	2	1.40	1.30	5.3	1.6	32.0	76			Y
PRD	6350	11.314	CP	18	18	30	PRO	0	0	2.6	2	1	FP MM	4.95	7.76	1.4	20	CG	FS	9.22	1.5	1.5	10.50	11.20	6.8	10.00	8.4	2	0.48	-0.22	4.9	0.1	6.7	58			Y
PRD	40000	3.356	AO	96	96	40	PRO	0	0	19.0	5	8	HC HC	5.55	9.72	8.2	20	SC	SC LC	10.40	7.8	9.0	16.66	20.00	8.3	18.10	16.8	2	1.80	-1.54	1.7	-0.2	-2.5	42			Y
PRD	6352	1.956	CP	24	24	40	PRO	0	15	2.8	15	11	NT NT	4.95	12.52	1.5	20	CG	CG	13.94	1.8	2.3	15.70	16.14	2.4	15.22	7.0	2	0.40	-0.04	3.6	0.5	25.0	71			Y
TRDS	2050000	4.640	CP	36	36	26	PRO	0	0	5.1	20	6	HC2	5.0	6.60	3.0	15	LC	LC	7.10	3.0	3.5		10.60	3.9	10.0	6.8	2	0.50	-10.10	1.9	0.0	0.0	59			Y
PRD	6402	6.017	CP	36	36	60	PRO	0	15	5.40	2	4	MM MM	4.95	18.9	3.2	15	SC	FG	18.5	3.0	4.9	23.36	23.62	3.3	23.16	8.2	2	2.12	1.86	-0.6	-0.2	-6.7	56			Y
PRD	6350	14.806	CP	24	24	33	PRO	0	0	2.5	8	3	NT PA	4.95	7.68	2.0	10	SC	LC S	9.60	1.8	1.8	11.46	12.42	2.7	10.40	8.6	2	0.52	0.06	5.8	0.0	0.0	80			Y
PRD	6411	0.546	CP	36	36	30	PRO	0	0	2.8	3	4	MC MC	5.37	8.58	3	5	N	LG	8.96	3	3.2	11.9	12.44	3	11.52	3.7	2	0.48	-0.06	1.3	0.0	0.0	107			Y
TRDS	2000000	76.527	PA	54	63	50		0	0	2.5	1	3	MM	5.8	13.00	4.6	3		O	13.80	5.0	5.4	19.3	19.55	2.3	18.8	5.0	2	0.75	0.50	1.6	-0.1	-2.2	210			Y
PRD	6327	0.842	CP	36	36	42	PRO	0	0	4.9	12	3	HC MM	5.37	10.50	3.0	0	N	FG S	14.60	3.0	3.0	17.9	18.7	2.9	17.6	3.3	2	1.10	0.30	9.8	0.0	0.0	61			Y
TRDN	1530000	1.976	CP	18	18	30		0	0	2.0	7	6	HC2	6.1	7.80	1.5	0		CG FG	8.70	1.4	1.4	10.1	10.5	3.0	9.7	4.0	2	0.40	0.00	3.0	0.0	0.0	75			Y
TRDS	3015105	0.840	CP	24	24	31	PRO	0	0	2.0	7	12	HC2	5.0	6.90	2.0	0		CG SC	7.10	1.9	3.2	11.3	11.40	2.7	11.2	3.3	2	2.40	2.30	0.6	0.0	0.0	100			Y
PRD	6317	5.841	CP	36	36	30	PRO	0	0	3.5	11	6	HC HC	5.37	7.54	3.0	0	N	LC SC	9.90	3.0	3.6	12.88	13.32	6.7	12.24	17.7	2	0.42	-0.02	7.9	0.0	0.0	86			Y
PRD	6326	3.898	CP	36	36	30	PRO	0	0	3.5	8	9	HC HC	5.37	9.90	3.0	0	N	SC	11.50	3.0	3.6	14.7	15.2	6.0	14.7	7.4	2	0.70	0.20	5.3	0.0	0.0	86			Y
PRD	6328	0.510	CP	24	24	56	PRO	0	0	6.1	8	9	HC HC	5.37	13.00	2.0	0	N	SC	14.15	2.0	2.2	16.1	16.3	4.0	16.1	5	2	0.15	-0.05	2.1	0.0	0.0	33			Y
PRD	6328	4.530	CP	24	24	40	PRO	0	0	4.8	11	10	HC HC	5.37	11.25	2.0	0	N	SC	13.75	2.0	2.2	15.3	15.8	7.2	15.1	7	2	0.05	-0.45	6.3	0.0	0.0	42			Y
PRD	6352																																				

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	RTE_NO	MP	FEAT	HGT	WID	LEN	ENT	BLK	SD	B_US	U_GD	D_GD	CHT	HI	TC_I	CO_I	BLD_C	BLD_T	U_SB	TC_O	CO_O	PD	WSE	TC	B_TC	OHV_O	OHV_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GRD	BOLD_D_I	INV_B_%	CULW_BW	GREEN	GRAY	RED
SRD	7500	12 645	CP	24	24	27	PRO	0	0	5	5	5	MC	5	865	195	0		SC	10.92	2.24	2.38	12.8	13.3	4	11.9	4	2	0.14	-0.36	8.4	0.1	2.5	40			Y
SRD	7500	13 095	CP	18	18	27	PRO	0	0	1	1	1	SWAMP	5	682	166	0		O	7.2	1.7	2.05	8.9	9.45	8.15	8.61	9.4	2	0.55	0.00	1.4	-0.2	-10.7	150			Y
TRDN	2000000	116 584	CP	36	36	40		0	0	2.0	8	14	HC1	5.4	10.50	2.0	0	NA	O	8.50	2.0	3.1	16.7	17.4	1.6	16.3	2.8	2	6.90	6.20	-5.0	1.0	33.3	150			Y
TRDN	1435000	0 895	CP	72	72	62		0	0	4.0	16	17	HC2	5.40	8.00	0.0	0		LC	19.30	6.0	6.9	32.5	32.8	4.9	31.6	17.9	2	7.50	7.20	18.2	0.0	0.0	150			Y
TRDN	2000000	109 343	CP	36	36	76		0	0	2.0	11	14	HC2	5.6	17.05	3.1	0		CG FG	25.50	3.0	4.2	30.1	30.1	2.5	29.2	3.5	2	1.50	1.50	11.3	-0.1	-3.3	150			Y
TRDN	2084015	0 215	CP	48	48	54		0	0	3.9	16	15	HC2	5.7	11.00	3.9	0		LC CG	17.20	4.0	5.7	23.8	23.8	6.4	23.3	7.5	2	2.60	2.60	11.5	0.1	2.5	103			Y
TRDN	2720000	0 451	CP	36	36	40		0	15	6.0	9	8	HC2	6.0	5.90	3.0	0		LC CG	7.50	3.0	3.8	10.7	11.0	7.9	10.7	8.2	2	0.50	0.20	4.0	0.0	0.0	50			Y
TRDN	1445310	1 237	CP	24	24			0	0	2.0	9	5	HCS	5.40	11.00	2.0	0		CG	12.70	2.0	3.2	15.5	15.6	6.6	15.1	9.6	2	0.90	0.80	####	0.0	0.0	100			Y
TRDN	2077000	0 297	CP	84	84	62		0	0	18.3	6	5	MC2	5.6	13.00	7.1	0		LC B	15.15	7.0	7.3	18.9	19.5	20.7	18.1	23.8	2	-2.65	-3.25	3.5	-0.1	-1.4	38			Y
TRDN	2720000	0 213	CP	18	18	40		0	0	2.0	8	3	MM	6.0	7.10	1.5	0		O	7.60	1.5	2.3	9.0	9.7	3.8	8.7	5.6	2	0.60	-0.15	1.3	0.0	0.0	75			Y
TRDN	1525200	1 342	CP	36	36	32		0	0	2.3	4	3	MM1	5.7	7.40	3.0	0		FG CG	8.80	3.0	3.2	12.0	12.7	3.9	11.6	3.8	2	0.90	0.20	4.4	0.0	0.0	130			Y
TRDN	1445310	0 849	CP	24	24	40		0	0	2.0	9	2	MM1	5.40	8.60	1.9	0		CG	8.10	2.0	2.3	11.5	12.0	1.4	10.7	3.2	2	1.90	1.40	-1.3	0.1	5.0	100			Y
TRDN	2900000	0 046	CP	24	24	30		0	0	2.4	4	12	MM1	5.6	8.35	2.0	0		FG CG	9.40	2.0	2.2	11.6	12.1	5.2	11.6	5.2	2	0.70	0.20	3.5	0.0	0.0	83			Y
TRDN	2000860	0 659	CP	36	36	32		0	0	6.5	4	6	MM1	5.7	6.80	3.2	0		CG SC	7.00	3.0	3.8	10.3	10.5	9.4	9.6	11.2	2	0.50	0.30	0.0	-0.2	-6.7	46			Y
TRDN	1500000	2 356	CP	72	72	44		0	10	25.3	1	1	PA1	5.6	8.23	6.1	0		S	8.40	6.1	6.4	14.5	16.5	13.8	12.7	23.4	2	2.00	0.00	0.0	-0.1	-1.7	24			Y
TRDN	2900000	3 871	CP	24	24	30		0	0	2.8	10	2	PA5	5.6	9.00	2.0	0		O	9.60	2.0	2.5	11.7	12.1	2.9	11.6	5.4	2	0.50	0.10	2.0	0.0	0.0	71			Y
TRDS	2000644	0 030	CP	24	24	30	PRO	0		2.6	10	13	HC2	5.7	18.60	2.0	0		CG	9.90	2.0	2.3	15.7	16.10	4.1	15.1	4.5	2	4.20	3.80	-29.0	0.0	0.0	77			Y
TRDS	3030100	0 360	CP	48	48	40	PRO	0		3.0	6	13	HC2	5.5	10.93	4.1	0		SC	12.62	4.0	4.6	16.6	17.03	4.6	16.0	10.3	2	0.41	0.01	4.5	-0.1	-2.5	133			Y
TRDS	3017400	0 060	PP	18	18		PRO	0	0	3.3	10	7	HC2	5.0	6.75	1.5	0		CG O	9.30	1.5	2.1	12.1	12.50	5.1	11.5	6.9	2	1.70	1.30	####	0.0	0.0	45			Y
TRDS	2000000	77 608	CP	60	60	40		0	0	NA	2	6	MM	5.8	10.30	4.2	0		S	10.50	5.0	6.1	16.2	15.90	1.1	15.8	3.3	2	0.40	0.70	0.5	0.8	16.0	####			Y
TRDS	3030100	0 120	CP	18	18		PRO	0		1.5	4	4	MM	5.5	6.53	1.5	0		CG	8.11	1.6	2.1	10.0	10.08	2.7	9.6	7.8	2	0.37	0.32	####	0.0	0.0	100			Y
TRDS	2000644	0 230	CP	18	18	30	PRO	0		1.6	2	10	MM1	5.7	7.20	1.5	0		O	7.20	1.5	2.0	10.1	10.20	1.7	9.5	3.8	2	1.50	1.00	0.0	0.0	0.0	94			Y
TRDS	3015600	3 110	CP	24	24		PRO	0	0	2.6	3	11	MM1	5.6	7.30	2.0	0		S CG	7.30	1.9	2.6	9.7	9.80	3.1	9.3	6.4	2	0.60	0.50	####	0.0	0.0	77			Y
TRDS	2000648	0 530	CP	24	24	38	PRO	0		4.3	4	5	MM1	5.7	8.80	2.0	0		FG	8.60	2.0	3.3	10.9	11.70	4.9	10.6	5.6	2	1.10	0.30	-0.5	0.0	0.0	47			Y
TRDS	2058000	1 420	CP	48	48	40	PRO	0		1.9	2	3	MM1	5.6	9.00	4.2	0		CG	9.95	3.5	3.8	13.6	14.10	2.1	13.2	4.8	2	0.65	0.15	2.4	-0.2	-5.0	211			Y
TRDS	3030100	1 530	CP	24	24	30	PRO	0		2.5	6	4	MM1	5.7	8.00	2.0	0		O	7.90	2.0	2.8	10.7	10.90	3.9	10.4	4.3	2	1.00	0.80	-0.3	0.0	0.0	80			Y
TRDS	3030300	0 780	CP	36	36		PRO	0		2.4	1	1	PA1	5.7	6.80	3.1	0		O	6.90	3.0	4.1	10.6	11.00	7.0	10.0	8.6	2	1.10	0.70	0.3	-0.1	-3.3	125			Y
TRDS	2057000	2 090	CP	24	24	40	PRO	0		1.9	7	12		5.0	7.60	1.9	0		SC	12.20	2.0	2.4	14.4	106.00	4.2	14.2	5.9	2	91.80	0.20	11.5	0.1	5.0	105			Y
WRD	6265	2 899	cp	48	48	32		0	5	6.3	19	12	hc	4.75	4.75	4	0	0	lc	9.65	4	4.6	13.7	14.3	5.6	12.9	7.1	2	0.65	0.05	15.3	0.0	0.0	63			Y
WRD	6265	1 568	cp	36	36	40		0	0	7.8	30	29	hc	4.75	6.75	2.15	0	0	lc	16.15	3	2.8	18.2	19	5.1	17.5	7	2	-0.15	-0.95	23.5	0.9	28.3	38			Y
WRD	52031	0 247	CP	48	48	30		0	0	8.4	4	6	HC	5.00	6.20	3.9	0		SC	6.65	4.0	4.1	9.90	10.45	9.3	9.50	13.1	2	-0.20	-0.75	1.5	0.1	2.5	48			Y
WRD	6590	14 085	PA	88	144	59	STB	0	999	20.6	5	6	MC	5.00	12.90	7.6	0		LC BC	15.80	7.3	8.0	23.00	24.80	16.6	21.40	19.8	2	1.70	-1.00	4.9	-0.3	-3.6	58			Y
WRD	52031	0 463	CP	24	24	28		0	0	2	5	13	MM	5.00	6.60	2.8	0		S	6.80	2.0	3.0	10.30	10.60	1.8	9.50	4.0	2	1.80	-0.50	0.7	-0.8	-40.0	100			Y
WRD	52031	0 615	CP	24	24	30		0	5	8	6	2	MM	5.00	5.60	2.5	0		S	6.90	2.0	2.6	8.85	9.20	2.5	8.70	2.8	2	0.30	-0.05	4.3	-0.5	-25.0	25			Y
TRDN	2084000	0 670	CP	18	18			0	0	1.0	18	15	HC2	5.7	6.50	1.6			CG SC	9.50	1.5	2.0	12.7	12.7	1.6	12.4	2.9	2	1.70	1.70	####	-0.1	-6.7	150			Y
TRDN	3000000	89 221	CP	48	48	60		0	0	3.4	3	4	MM1	5.8	16.00	2.6				17.00	3.7	3.65	20.7	20.5	6.0	20.0	6.9	2	-0.20	0.00	1.7	1.4	35.0	118			Y
PRD	6402	9 614	CP	24	24	30	PRO	0	20	100	13	11	HC HC	4.95	6.18	1.5	100	CG	O	7.1	1.6	1.3	9.12	9.36	2.9	8.9	5.5	2	0.66	0.42	3.1	0.5	25.0	200			Y
TRDS	3015600	0 950	CP	36	36	46	PRO	0	0	4.7	5	2	MM1	5.5	8.80	3.0	100	CG	CG SC	9.30	2.4	2.4	12.2	12.30	4.0	11.8	4.6	2	0.60	0.50	1.1	0.0	0.0	64			Y
PRD	6425	0 207	CP	48	48	34	PRO	0	10	4.8	4	6	HC HC	4.75	9.12	2.9	90	LC	SC O	10.22	2.9	3.0	16.24	16.54	2.20	15.8	4.5	2	3.42	3.12	3.2	1.1	27.5	83			Y
PRD	6402	18 604	CP	48	48	38	PRO	0	0	3.5	5	4	MM MM	5.30	7.6	4	75	CG	CG	8.4	3.6	3.8	13	13.3	6.3	12.9	7	2	1.30	1.00	2.1	0.0	0.0	114			Y
PRD	6040	15 221	CP	36	36	39	PRO	0	0	5.4	9	7	HC HC	5.37	10.40	3.0	40	SC	SC	10.85	3.0	7.4	17.6	18.5	5.6	17.1	7.1	2	4.65	3.75	1.2	0.0	0.0	56			Y
TRDS	2000000	71 333	CP	36	36	36		0	0	3.5	4	35	HC	5.8	8.60	2.5	40	CG	SC	9.10	3.0	4.3	15.6	16.00	4.3	14.6	6.2	2	3.90	3.50	1.4	0.5	16.7	86			Y
TRDS	3030000	18 800	CP	24	24	38	PRO	0		2.1	7	12	HC	5.4																							

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	RTE_NO	MP	FEAT	HGT	WID	LEN	ENT	BLK	SD	B_US	U_CD	D_CD	CHT	HI	TC_I	CO_I	BLD_C	BLD_T	U_SB	TC_O	CO_O	PD	WSE	TC	B_TC	OHW_O	OHW_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GRD	BOLD_D_I	INV_B_%	CULW_BW	GREEN	GRAY	RED
HRD	8578	0.608	CP	24	24	34	PRO	0	0	2.5	6	16	HC2	5	5.31	1.94	0	NA	CG	8.55	2	2	12.7	12.90	3.5	12.49	4.5	2	2.35	2.15	9.5	0.1	3.0	80			Y
HRD	8578	2.906	CP	48	48	40	PRO	0	0	6.0	8	12	HC2	5	8.3	3.7	0	NA	SC	11.8	4	5.2	17.9	18.10	7.6	17.4	8.6	2	2.30	2.10	8.8	0.3	7.5	67			Y
HRD	8578	3.764	CP	36	36	34	PRO	0	0	4.0	8	4	MM	5	9.65	3.1	0	NA	CG	12.11	3	3.5	15.6	16.03	6.5	15.52	7.5	2	0.92	0.49	7.2	-0.1	-3.3	75			Y
PRD	40000	3.129	CP	24	24	40	PRO	0	0	1.8	6	6	AF AF	5.55	9.40	2.4	0	N	FG	9.85	20	3.5	13.20	14.30	4.5	11.80	11.6	2	2.45	1.35	1.1	-0.4	-20.0	111			Y
PRD	6204	6.092	CP	36	36	35	PRO	0	0	3.6	6	11	AF HC	5.55	8.66	3.0	0	N	S LC	9.74	30	5.6	14.70	15.70	5.0	13.66	15.0	2	2.96	1.96	3.1	0.0	0.0	83			Y
PRD	6235	0.740	CP	24	24	38	PRO	0	0	3.1	17	7	HC AF2	5.55	9.90	2.0	0	N	FG	14.50	20	3.2	16.90	17.40	3.7	16.00	6.4	2	0.90	0.40	12.1	0.0	0.0	65			Y
PRD	6031	11.707	CP	36	36	46	PRO	0	0	4.2	10	18	HC HC	5.57	11.2	3	0	N	CG	14.6	3	4.4	18.1	18.7	4.3	18.1	9.1	2	1.10	0.50	7.5	0.0	0.0	71			Y
PRD	6204	3.579	CP	60	60	40	PRO	0	0	5.2	9	12	HC HC	5.55	7.51	5.0	0	N	LC SC	9.76	50	5.1	15.26	15.11	2.5	14.61	2.6	2	0.35	0.50	5.6	0.0	0.0	96			Y
PRD	6204	4.476	CP	36	36	50	PRO	0	0	4.9	8	9	HC HC	5.55	13.21	3.0	0	N	LC SC	16.81	30	3.5	23.21	23.56	3.7	22.76	5.8	2	3.75	3.40	7.2	0.0	0.0	61			Y
PRD	6212	0.106	CP	72	72	30	PRO	0	0	8.6	9	10	HC HC	5.37	7.80	6.0	0	0	SC	8.80	60	7.3	16.90	17.40	9.5	13.40	13.4	2	2.60	2.10	3.3	0.0	0.0	70			Y
PRD	6212	0.753	CP	36	36	30	PRO	0	0	4.3	8	11	HC HC	5.37	8.30	3.0	0	N	FG SC	10.50	30	4.2	19.00	19.30	4.1	18.50	5.3	2	5.80	5.50	7.3	0.0	0.0	70			Y
PRD	6235	1.209	CP	48	48	48	PRO	0	0	5.8	13	14	HC HC	5.55	8.72	3.8	0	N	SC	11.40	40	4.7	18.56	19.57	5.7	18.20	14.6	2	4.17	3.16	5.6	0.2	5.0	69			Y
PRD	6235	12.932	CP	36	36	72	PRO	0	0	2.5	4	7	HC HC	3.25	16.20	30	0	N	S	19.60	31	4.6	24.40	25.00	3.3	23.70	4.1	2	2.30	1.70	4.7	0.0	0.0	120			Y
PRD	6241	4.155	CP	36	36	40	PRO	0	0	6.2	13	13	HC HC	5.55	11.97	3.2	0	N	LC SC	14.00	30	3.4	16.80	18.50	11.1	16.50	15.9	2	1.50	-0.20	5.1	-0.2	-6.7	48			Y
PRD	6245	1.256	CP	36	36	50	PRO	0	0	2.7	7	14	HC HC	5.55	12.00	3.7	0	N	O	14.30	30	5.1	19.88	20.10	1.3	19.40	6.0	2	2.80	2.58	4.6	-0.7	-23.3	111			Y
PRD	6245	1.503	CP	36	36	40	PRO	0	0	4.4	9	5	HC HC	5.55	11.00	3.0	0	N	SC LC	12.40	30	4.9	17.32	18.00	10.6	16.40	20.3	2	2.60	1.92	3.5	0.0	0.0	68			Y
PRD	6245	1.505	CP	36	36	40	PRO	0	0	4.4	9	5	HC HC	5.55	11.60	3.0	0	N	SC LC	12.10	30	4.5	17.32	18.00	10.6	16.40	20.3	2	2.90	2.22	1.3	0.0	0.0	68			Y
PRD	6317	4.717	CP	24	24	30	PRO	0	0	3.0	12	7	HC HC	5.37	10.36	1.9	0	N	SC	13.72	20	2.4	16.62	17.36	4.5	15.90	6.7	2	1.64	0.90	11.2	0.1	5.0	67			Y
PRD	6317	5.699	CP	24	24	30	PRO	0	0	2.3	8	9	HC HC	5.37	7.42	2.0	0	N	SC	9.16	20	4.6	12.44	13.06	3.4	11.92	6.5	2	1.90	1.28	5.8	0.0	0.0	87			Y
PRD	6319	7.383	CP	24	24	24	PRO	0	0	1.9	24	13	HC HC	5.37	6.1	2	0	N	CG	6.9	1.6	2	10.2	11.1	3.0	9.5	6.0	2	2.60	1.70	3.3	0.0	0.0	105			Y
PRD	6319	7.642	CP	48	48	48	PRO	0	0	6.3	9	13	HC HC	5.37	12.3	4	0	N	CG	16.9	4	6.2	22.9	23.3	8.4	22.5	10.5	2	2.40	2.00	9.7	0.0	0.0	63			Y
PRD	6319	8.709	CP	36	36	30	PRO	0	0	3	8	10	HC HC	5.37	6.75	3	0	N	CG	8.45	3	4.5	12.6	13	3.0	12	4.2	2	1.55	1.15	5.7	0.0	0.0	100			Y
PRD	6323	5.294	CP	48	48	36	PRO	0	0	5.3	15	20	HC HC	5.37	10.5	4	0	N	SC	14.35	4	7	25.3	26.3	9.0	24.2	16.5	2	7.95	6.95	10.8	0.0	0.0	75			Y
PRD	6350	1.146	CP	48	48	40	PRO	0	0	2.3	50	22	HC HC	4.95	9.50	3.9	0	N	B	14.08	40	5.5	20.12	20.20	1.8	19.62	4.2	2	2.12	2.04	11.5	0.1	2.5	174			Y
PRD	6350	11.746	CP	60	60	40	PRO	0	0	8.5	18	10	HC HC	4.95	6.64	5.1	0	N	SC SC	10.20	5.1	6.2	16.28	16.54	2.3	15.24	8.9	2	1.24	0.98	8.9	-0.1	-2.0	59			Y
PRD	6350	14.070	CP	60	60	55	PRO	0	0	6.0	12	10	HC HC	4.95	7.50	5.0	0	N	LC	13.40	50	6.9	19.00	20.04	5.8	18.84	15.4	2	1.64	1.40	10.7	0.0	0.0	83			Y
PRD	6350	15.768	CP	36	36	40	PRO	0	0	2.8	18	8	HC HC	4.95	8.94	3.0	0	N	FG CG	12.76	30	4.2	17.06	17.70	3.5	15.84	8.2	2	1.94	1.30	9.6	0.0	0.0	107			Y
PRD	6357	0.140	CP	36	36	33	PRO	0	0	6.4	13	9	HC HC	5.37	7.4	3	0.0	N	SC LC	10.6	3	3.4	13.9	14.6	5.8	13.6	6.3	2	1.00	0.30	9.7	0.0	0.0	47			Y
PRD	6358	0.726	CP	36	36	41	PRO	0	10	3.9	17	11	HC HC	4.95	9.00	3.1	0	N	LC	13.14	27	3.2	16.24	16.36	1.5	15.54	5.8	2	0.52	0.40	10.1	-0.1	-3.3	77			Y
PRD	6358	1.135	CP	48	48	52	PRO	0	0	3.3	19	20	HC HC	4.95	9.54	3.0	0	N	B SC	15.06	40	5.8	19.96	20.30	4.3	19.12	11.3	2	1.24	0.90	10.6	1.0	25.0	121			Y
PRD	6367	0.853	CP	24	24	40	PRO	0	0	2.1	10	23	HC HC	5.37	9.85	2.0	0	N	SC	11.50	20	3.3	16.6	17.0	2.5	16.6	6.0	2	3.50	3.10	4.1	0.0	0.0	95			Y
PRD	6402	2.215	CP	36	36	30	PRO	0	0	4.20	12	8	HC HC	4.95	5.88	3	0	N	FG	6.92	30	3.3	11.66	11.72	3.4	10.68	6.2	2	1.80	1.74	3.5	0.0	0.0	71			Y
PRD	6402	9.862	CP	24	24	40	PRO	0	25	2.30	9	14	HC HC	4.95	6.84	1.6	0	N	CG	10.4	20	4	14.4	14.5	4.5	13.88	5.1	2	2.10	2.00	8.9	0.4	20.0	87			Y
PRD	6402	11.170	CP	36	36	64	PRO	0	0	5.20	4	10	HC HC	4.95	7.8	2.8	0	N	CG	9.04	30	4.9	13.58	14.38	6.1	13.44	6.7	2	2.34	1.54	1.9	0.2	6.7	58			Y
PRD	6402	11.523	CP	48	48	40	PRO	0	0	7.00	7	7	HC HC	4.95	7.68	4	0	N	LC	11.6	40	4.4	17.16	17.66	14.9	16.64	16.9	2	2.06	1.56	9.8	0.0	0.0	57			Y
PRD	6407	1.161	CP	48	48	81	PRO	0	0	4.8	22	12	HC HC	5.30	15.4	4	0	N	CG	25.7	40	5.6	34.9	35.2	7	34.1	9.4	2	5.50	5.20	12.7	0.0	0.0	83			Y
PRD	6407	1.198	CP	48	48	100	PRO	0	75	11	8	6	HC HC	5.30	21.9	4	0	N	LC	32.7	39	4.8	36.7	37.3	5	35.7	12.5	2	0.70	0.10	10.8	0.0	0.0	36			Y
PRD	6415	0.833	CP2	48	48	40	PRO	0	0	5.30	5	8	HC HC	5.55	12.1	4	0	N	CG FG	14.1	40	4.6	18.5	18.8	7.7	17.8	12.9	2	0.70	0.40	5.0	0.0	0.0	75			Y
PRD	6415	0.835	CP2	48	48	40	PRO	0	0	5.30	5	8	HC HC	5.55	11.6	4	0	N	CG FG	14.2	39	4.5	18.5	18.8	7.7	17.8	12.9	2	0.70	0.40	6.5	0.0	0.0	75			Y
PRD	6415	1.008	CP2	48	48	40	PRO	0	0	3.20	8	6	HC HC	5.55	6.95	4	0	N	CG LC	9.25	40	5.3	15.05	15.4	10.6	14.6	12.7	2	2.15	1.80	5.8	0.0	0.0	125			Y
PRD	6415	2.118	CP2	48	48	50	PRO	0	0	3.50	9	7	HC HC	5.55	8.75	3.5	0	N	CG BC	12.1	40	5.2	17.05	17.3	4.2	16.6	6.2	2	1.20	0.95	6.7	0.5	12.5	114			Y
PRD	6415	3.450	CP	24	24	40	PRO	0	10	2.40	9	13	HC HC	5.55	7.75	1.7	0	N	FG	9.3	20	2.7	11.9	12.05	1.2	11.6	1.2	2	0.75	0.60	3.9	0.3	15.0	83			Y
PRD	64																																				

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	RTE_NO	MP	FEAT	WGT	WID	LEN	ENT	BLK	SD	B_US	U_GD	D_GD	CHT	HT	TC_I	CO_I	BLD_C	BLD_T	U_SB	TC_O	CO_O	PD	WSE	TC	B_TC	OHW_O	OHW_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GRD	BOLD_D_I	INV_B_	CULW_BW	GREEN	GRAY	RED
TRDS	3030000	19.070	CP	36	36	36	PRO	0	0	4.5	8	7	HC2	5.7	8.45	3.0	0	CG	SC	9.90	3.0	4.3	14.6	14.00	7.4	13.3	8.1	2	1.10	1.70	4.0	0.0	0.0	67			Y
TRDS	2054200	0.730	CP	36	36	32	PRO	0	0	3.2	6	17	HC2	5.0	7.30	3.1	0		S	8.30	3.0	5.2	13.0	13.20	3.2	12.6	5.3	2	1.90	1.70	3.1	-0.1	-3.3	94			Y
TRDS	3017300	0.990	CP	48	48	40	PRO	0	0	5.3	24	22	HC6	5.6	9.30	4.1	0		LC BC	10.10	4.0	9.6	18.5	18.70	11.2	17.6	12.1	2	4.60	4.40	2.0	-0.1	-2.5	75			Y
TRDS	2054000	2.220	CP	36	36	36		0	0	3.2	2	11	mc	5.0	6.30	3.4	0		cg	7.30	3.0	4.4	11.1	11.40	4.8	10.7	7.4	2	1.10	0.80	2.8	-0.4	-13.3	94			Y
TRDS	2000000	76.267	CP	48	48	50		0	0	3.0	1	3	MM	5.8	9.50	5.0	0		O	12.50	5.0	6.5	19.8	20.30	2.4	19.4	4.9	2	2.80	2.30	6.0	-1.0	-25.0	133			Y
TRDS	2000000	80.713	CP	60	60	72		0	0	3.9	4	6	MM	5.8	16.00	4.8	0		SG	17.80	4.7	6.0	23.5	23.90	1.9	22.6	6.8	2	1.40	1.00	2.5	0.2	4.0	128			Y
TRDS	2050000	5.780	CP	36	36	38	PRO	0	0	3.4	4	4	MM	5.0	6.40	2.9	0		CG	7.35	2.6	2.8	10.5	10.90	5.8	9.7	9.9	2	0.95	0.55	2.5	0.1	3.3	88			Y
TRDS	3000000	49.760	CP	18	18	40	PRO	0	0	1.6	1	3	MM1	5.4	8.23	1.4	0		O	8.95	1.4	2.2	11.3	11.45	26.2	11.0	3.9	2	1.08	0.98	1.8	0.1	8.2	91			Y
TRDS	2058000	1.390	CP	48	48	48	PRO	0	0	4.0	5	8	MM1	5.5	6.50	4.0	0		LC	7.25	4.1	5.0	12.1	12.30	3.0	11.9	6.7	2	0.95	0.75	1.6	0.0	0.0	100			Y
TRDS	2059300	0.190	PP	18	18	31	PRO	0	0	1	1	1	PA3	5.6	7.58	1.5	0	O	O	8.15	1.5	1.7	10.1	10.20	2.4	10.8	5.0	2	0.55	0.45	1.8	0.0	0.0	####			Y
TRDS	3030000	13.610	CP	36	36	40	PRO	0	0	9.8	3	3		4.9	8.20	3.0	0			9.18	3.0	3.4	12.1	12.56	3.8	12.2	5.6	2	0.43	0.00	2.5	0.0	-0.6	30			Y
WRD	6590	28.661	CP	72	72	55.5		0	0	5	13	12		4.75	11.10	5.8	0		LC	16.50	6.0	7.1	24.00	24.10	4.8	23.30	5.1	2	1.60	1.50	9.7	0.2	3.3	120			Y
WRD	6590	28.051	CP	48	48	34		0	999	5.1	23	10	HC	4.75	5.55	4.1	0	SC LC	8.75	4.0	5.8	15.80	16.20	7.0	15.30	10.8	2	3.45	3.05	9.4	-0.1	-2.5	78			Y	
WRD	6265	6.988	cp	36	36	41		0	0	5.5	21	14	hc	5	9.45	2.5	0	lc sc	16.7	3	4.2	21.4	21.6	9.3	21.1	9.5	2	1.90	1.70	17.7	0.5	16.7	55			Y	
WRD	6590	28.528	CP	36	36	30		0	0	4	9	15	HC	4.75	6.55	3.1	0	O	O	9.20	3.0	3.8	13.00	13.20	7.2	12.60	15.4	2	1.00	0.80	8.8	-0.1	-3.3	75			Y
WRD	6265	8.089	cp	72	72	52		0	0	7.5	26	24	hc	5	8	6.4	0	b sc	11.7	5.3	5.3	17.9	17.9	7.4	17.4	8.7	2	0.90	0.90	7.1	-0.4	-6.7	80			Y	
WRD	6265	6.287	cp	36	36	35		0	0	2.5	18	22	hc	4.75	7.4	2.8	0	lc s	12.7	3	3.6	16.2	16.3	3.3	15.9	4.4	2	0.60	0.50	15.1	0.2	6.7	120			Y	
WRD	6265	7.602	cp	36	36	40		0	0	4.7	16	20	hc	5	7.95	3	0	sc lc	15	3	3.9	18.4	18.5	4	18.1	5.2	2	0.50	0.40	17.6	0.0	0.0	64			Y	
WRD	6265	9.365	cp	54	54	46.2		0	0	6.5	13	20	hc	5	9.4	4.6	0	sc	11.55	4.5	4.9	16.4	16.5	5.5	15.9	6.2	2	0.45	0.35	4.7	-0.1	-2.2	69			Y	
WRD	6265	0.313	cp	48	48	40.4		0	35	12	4		mc	4.75	13.2	3.9	0	lc	16.7	4	4.7	20.2	22	13	19.6	16.2	2	1.30	-0.50	8.8	0.1	2.5	33			Y	
WRD	6265	0.767	cp	18	18	33		0	0	2	5	32	mm	4.75	7.95	1.9	0	lg	9.15	1.5	3	11.9	12.4	2.4	11.2	4.3	2	1.75	1.25	3.6	-0.4	-26.7	75			Y	
WRD	52031	0.169	CP	18	18	26		0	0	2.2		9	MM	5.00	6.05	1.8	0	CG	6.60	1.5	3.2	9.30	9.50	3.1	9.10	5.0	2	1.40	1.20	2.1	-0.3	-20.0	68			Y	
TRDN	2700000	0.276	CP	18	18	25		0	0	5.5	4	2	MC	5.0	6.80	1.7	40	SC	S	7.10	1.5	2.7	9.7	10.0	4.2	9.3	5.0	2	1.40	1.10	1.2	-0.2	-13.3	27			Y
TRDS	2000640	2.400	CP	24	24	46	PRO	0	0	4.7	13	17	HC2	5.0	9.00	1.9	0	LG	10.60	2.0	3.6	16.1	16.30	6.0	14.6	6.5	2	3.70	3.50	3.5	0.1	5.0	43			Y	
PRD	40000	3.552	CP	24	24	40	PRO	0	0	5.3	9	10	AF AF	5.55	12.70	2.1	0	N	S	14.83	2.0	3.7	18.56	19.45	3.7	17.30	6.6	2	2.62	1.73	5.3	-0.1	-5.0	38			Y
PRD	40000	3.739	CP	36	36	36	PRO	0	0	7.4	8	8	AF AF	5.55	9.20	2.9	0	N	LC	11.65	3.0	3.1	15.00	15.23	3.9	14.00	5.9	2	0.58	0.35	6.8	0.1	3.3	41			Y
PRD	6235	2.182	CP	24	24	50	PRO	0	15	4.4	20	24	HC HC	5.55	11.40	2.5	0	N	SC	15.16	2.0	2.6	17.58	18.56	3.4	17.00	6.1	2	1.40	0.42	7.5	-0.5	-25.0	45			Y
PRD	6326	3.782	CP	36	36	30	PRO	0	20	6.7	13	10	HC HC	5.37	8.30	3.0	0	N	SC	11.25	3.0	4.8	15.3	15.7	7.0	15.1	6.0	2	1.45	1.05	9.8	0.0	0.0	45			Y
PRD	6333	1.316	CP	24	24	32	PRO	0	0	4.6	14	16	HC HC	5.37	9.65	2.0	0	N	LC	12.80	2.0	3.0	16	16.4	7.3	15.5	9.2	2	1.60	1.20	9.8	0.0	0.0	43			Y
PRD	6350	14.308	PA	60	72	46	MIT	0	0	18.7	27	20	HC HC	5.37	7.02	5	0.0	N	LC BC	13.16	5	6.5	20.16	20.92	11.7	19.1	20	2	2.76	2.00	13.3	0.0	0.0	32			Y
PRD	6353	0.289	CP	60	60	60	58	0	0	10.3	14	26	HC HC	5.37	11.3	5	0.0	N	LC	18.4	5	7	25.2	25.9	10.5	25.2	11	2	2.50	1.80	11.8	0.0	0.0	49			Y
PRD	6407	1.200	CP	48	48	100	PRO	0	0	11	8	6	HC HC	5.30	21.8	4	0	0	LC	31.7	3.4	4.6	36.7	37.3	5	35.7	12.5	2	2.20	1.60	9.9	0.0	0.0	36			Y
PRD	6416	1.513	CP	48	48	62	PRO	0	5	8.4	7	5	HC HC	5.3	17.06	3.94	0	N	B	19.82	4.0	6.6	24.92	25.1	2.9	24.08	9.3	2	1.28	1.10	4.5	0.1	1.5	48			Y
PRD	6436	0.491	CP	48	48	40	PRO	0	0	10.70	5	7	HC HC	4.95	8.66	4	0	N	SC CG	9.78	4.0	5.3	15.14	15.56	11.3	13.98	14.9	2	1.78	1.38	2.8	0.0	0.0	37			Y
PRD	6461	2.614	PA	48	46	46	PRO	0	10	9.2	5	5	HC HC	4.75	15.8	3.9	0	N	CG	17.85	3.9	4.4	22.50	22.90	8.20	20.7	10.0	2	1.15	0.75	4.4	0.1	2.5	42			Y
PRD	40000	3.706	CP	48	48	48	PRO	0	0	11.7	7	9	HC HC	5.55	13.40	3.7	0	N	LG SC	17.26	4.0	4.6	21.95	23.00	4.2	20.90	4.7	2	1.74	0.69	8.0	0.3	7.5	34			Y
PRD	6402	30.066	CP	36	36	47	PRO	0	0	6	24	20	HC HC	5.30	6.7	3	0	N	BO	12.5	3.0	4.4	17.9	18.3	6.8	17.6	7.3	2	2.80	2.40	12.3	0.0	0.0	50			Y
PRD	40000	3.292	CP	24	24	37	PRO	0	0	4.8	9	2	HC1 NT	5.55	11.66	1.9	0	N	CG	12.10	2.0	2.9	14.85	15.80	3.9	14.30	5.8	2	1.70	0.75	1.2	0.1	5.0	42			Y
PRD	6328	4.580	CP	24	24	28	PRO	0	0	6.0	5	15	MM HC	5.37	7.25	2.0	0	N	CG S	7.90	2.0	2.8	12.3	12.8	3.6	12.3	7.4	2	2.90	2.40	2.3	0.0	0.0	33			Y
PRD	6405	1.184	CP	18	18	24	PRO	0	0	3.90	1	2	PA PA	4.95	6.02	1.4	0	N	O	6.9	1.5	2.6	8.9	9.16	10.4	9	14.7	2	0.76	0.50	3.7	0.1	6.7	38			Y
TRDN	1525200	1.086	CP	18	18	34		0	0	3.5	6	14	MM1	5.7	10.10	1.4	0	FG	CG	11.10	1.5	1.8	14.6	14.8	3.6	14.3	4.9	2	2.20	2.00	2.9	0.1	6.7	43			Y
TRDN	1500000	2.699	CP	18	18	30		0	0	9.4	2	2	MM1	5.6	9.25	1.5	0	S O	O	9.90	1.5	1.7	11.9	12.6	5.1	11.2	7.2	2	1.20	0.50	2.2	0.0	0.0	16			Y
TRDS	3000000	54.300	CP	24	24	41	PRO	0	0	4.9	3	7	HC2	5.4	9.09																						

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	RTE_NO	MP	FEAT	HGT	WID	LEN	ENT	BLK	SD	B US	U GO	D GO	CHT	H	TC I	CO I	BLD C	BLD T	U SB	TC O	CO O	PO	WSE	TC	B TC	ONW O	ONW W	VERIFIED	PRCH TC	PRCH WSE	CUL GRD	BOLD D I	INV B %	CULW BW	GREEN	GRAY	RED
PRD	45601	2095	CP	18	18	28	PRO	0	0	2.4	7	4	MC MC	5.37	7.20	1.5	0	N	CG FG	14.75	5.0	10.1	23.80	24.30	8.3	23.10	14.2	2	1.05	0.55	3.0	0.0	0.0	63			Y
PRD	6212	0708	CP	60	60	30	PRO	0	0	7.9	6	8	MM HC	5.37	12.50	5.0	0	N	CG FG	14.75	5.0	10.1	23.80	24.30	8.3	23.10	14.2	2	1.05	0.55	3.0	0.0	0.0	63			Y
PRD	6415	4223	CP	36	36	40	PRO	0	0	5.60	4	4	MM HC	5.55	6.55	3	0	N	CG	7.55	3.0	4.5	10.9	11.1	6.3	10.45	8.7	2	0.55	0.35	2.5	0.0	0.0	54			Y
PRD	6235	19287	CP3	48	48	48	PRO	0	55	18.3	2	2	MM MM	5.55	7.90	4.0	0	N	CG SC	9.10	3.9	3.9	13.10	14.00	7.1	8.30	24.2	2	1.00	0.10	2.5	0.0	0.0	22			Y
PRD	6319	8413	CP	36	36	32	PRO	0	0	4.7	8	6	MM MM	5.37	7	3	0	N	CG	7.9	3	4.8	12.1	12.6	5.1	11.1	8.2	2	1.70	1.20	2.8	0.0	0.0	64			Y
PRD	6350	8482	CP	24	24	32	PRO	0	0	2.3	4	5	MM MM	4.95	6.88	1.5	0	N	FG	8.56	1.5	2.9	11.44	11.74	24	11.14	3.7	2	1.68	1.38	5.3	0.5	25.0	87			Y
PRD	6367	0657	PA	48	75	42	PRO	0	0	5.9	3	5	MM MM	5.37	9.25	4.0	0	N	CG	10.70	4.0	5.3	15.6	16.1	5.8	15.0	9.3	2	1.40	0.90	3.5	0.0	0.0	106			Y
PRD	6402	7872	CP	48	48	40	PRO	0	5	7.90	1	1	MM MM	4.95	8.96	3.9	0	N	LC CG	9.82	4.0	4	14.18	14.18	7.3	12.52	8	2	0.36	0.36	2.2	0.1	2.5	51			Y
PRD	6402	15797	CP	36	36	36	PRO	0	0	6.6	4	7	MM MM	5.30	8.72	3	0	N	SC	10.34	2.4	2.4	12.22	13.16	6	12.02	6.7	2	0.42	-0.52	4.5	0.0	0.0	45			Y
PRD	6402	17894	CP	48	48	48	PRO	0	0	5	3	6	MM MM	5.30	8.6	4	0	N	CG	10.9	4.0	4.6	15.4	15.6	3.6	14.9	8.2	2	0.70	0.50	4.8	0.0	0.0	80			Y
PRD	6405	0408	CP	48	48	40	PRO	0	0	2.50	3	3	MM MM	5.55	8.16	4	0	N	CG	8.76	4.0	5.3	14.24	15.1	6.5	13.6	9.3	2	2.34	1.46	1.5	0.0	0.0	160			Y
PRD	6407	3432	CP	48	48	34	PRO	0	N	9	4	5	MM MM	5.30	5.8	4	0	N	SC	5.8	4.0	8.1	12.1	12.6	3.8	11.2	12	2	2.80	2.30	0.0	0.0	0.0	44			Y
PRD	6410	2415	CP	48	48	40	PRO	0	0	3.5	3	3	MM MM	5.30	9.16	4.45	0	N	LG SC	10.16	4.0	6.2	15.12	15.9	4.3	14.78	6.1	2	1.74	0.96	2.5	-0.5	-11.3	114			Y
PRD	6415	2339	CP2	48	48	46	PRO	0	0	5.90	3	8	MM MM	5.55	8.4	4.3	0	N	SC	9.7	4.0	5.4	14.2	15.25	7.5	13.4	10	2	1.55	0.50	2.8	-0.3	-7.5	68			Y
PRD	6415	2341	CP2	48	48	46	PRO	0	0	5.90	3	8	MM MM	5.55	9.15	3	0	N	SC	10.25	4.0	5	14.95	15	4.2	14.05	9.6	2	0.75	0.70	2.4	1.0	25.0	68			Y
PRD	6415	3366	CP	24	24	32	PRO	0	0	3.50	2	2	MM MM	5.55	6.8	2	0	N	O FG	8	2.0	2.9	11.7	11.9	3.4	11.3	6.2	2	1.90	1.70	3.8	0.0	0.0	57			Y
PRD	6416	2349	CP2	48	40	60	PRO	0	0	5	4	4	MM MM	5.3	13.94	4	0	N	LG SC	15.78	4.0	5.7	20.44	21.02	4.9	19.54	9.2	2	1.24	0.66	3.1	0.0	0.0	80			Y
PRD	6138	0074	CP	36	36	36	PRO	0	0	3.3	3	6	MM MM	5.30	7.3	3	0	N	CG	8.6	3.0	4.2	12.1	12.3	2.3	11.6	3.7	2	0.70	0.50	3.6	0.0	0.0	91			Y
PRD	6235	19289	AR3	40	60	44	PHO	0	0	18.3	2	2	MM1 MM1	5.55	8.55	3.9	0	N	CG SC	9.30	3.6	4.0	13.10	14.00	7.1	8.30	24.2	2	1.10	0.20	1.7	-0.6	-17.0	27			Y
PRD	6415	5669	PA	240	115	56	MIT	0	0	8.20	3	3	MM2 MM2	5.55	9.4	7.5	0	N	LC	11	7.6	8	19.15	20.05	6.9	18.4	13.9	2	1.45	0.55	2.9	12.5	62.5	117			Y
PRD	6350	4612	CP	18	18	30	PRO	0	25	4.6	3	3	N	5.37	7.82	1.5	0	N	FS	7.68	1.3	3.2	10.18	10.48	6.3	9.34	8.1	2	1.28	1.00	0.2	0.0	0.0	33			Y
PRD	6212	0182	CP	36	36	41	PRO	0	0	2.7	6	12	N HC	5.37	6.55	3.0	0	0	FG	9.15	3.0	4.7	18.30	18.60	2.3	7.00	7.0	2	6.45	6.15	6.3	0.0	0.0	111			Y
PRD	6402	23039	CP	18	18	32	PRO	0	0	2	4	16	N N	5.30	9.3	1.5	0	N	CG	9.9	1.5	2.4	13.5	14	1	12.8	1.4	2	2.60	2.10	1.9	0.0	0.0	75			Y
PRD	6350	7368	CP	60	60	36	PRO	0	5	5.1	5	5	NT MM	4.95	7.24	4.9	0	N	SC CG	9.28	5.0	6.7	15.46	16.06	4.3	14.64	26.2	2	1.78	1.18	5.7	0.1	2.0	98			Y
PRD	6350	7372	CP	48	48	34	PRO	0	15	5.1	5	5	NT MM	4.95	6.12	3.8	0	N	SC CG	7.46	4.0	7.5	14.24	14.36	3.4	14.64	26.2	2	2.90	2.78	3.9	0.2	5.0	78			Y
PRD	6235	12361	CP	36	36	46	PRO	0	0	4.9	6	8	NT NT	5.55	9.10	3.1	0	N	LC SC	11.65	3.2	5.2	15.86	17.44	4.9	14.90	15.3	2	2.59	1.01	5.5	-0.1	-3.3	61			Y
PRD	6350	4408	CP	24	24	28	PRO	0	0	1.4	3	5	NT NT	4.95	6.92	2.0	0	N	CG	7.40	2.0	3.4	10.46	10.52	3.4	9.78	8.6	2	1.12	1.06	1.7	0.0	0.0	143			Y
PRD	6350	8157	CP	24	24	40	PRO	0	0	2.3	9	5	NT NT	4.95	7.16	2.0	0	N	CG	9.60	2.0	3.3	12.24	12.54	3.9	11.92	6.5	2	0.94	0.64	6.1	0.0	0.0	87			Y
PRD	6350	8567	CP	36	36	32	PRO	0	20	2.3	6	0	NT NT	4.95	6.54	2.6	0	N	FG	7.44	2.8	3.8	10.75	11.00	2.7	10.64	3.8	2	0.76	0.51	2.8	0.4	13.3	130			Y
PRD	6358	1731	CP	36	36	40	PRO	0	0	4.3	24	15	NY NT	4.95	9.14	3.0	0	N	LC CG	11.32	3.0	4.8	15.88	16.24	2.8	15.04	5.3	2	1.92	1.56	5.5	0.0	0.0	70			Y
PRD	6323	0162	CP	18	18	52	PRO	0	25	3.0	0	9	P8 MM	5.37	11.2	1.5	0	N	0	11.6	1.5	3	14.2	14.5	2.2	14	6.7	2	1.40	1.10	0.9	0.0	0.0	5			Y
PRD	6245	4962	CP	36	36	40	PRO	0	0	3.5	5	5		5.55	6.52	3.0	0	N	SC	8.03	3.0	5.5	13.20	13.95	16.2	12.90	18.8	2	2.92	2.17	3.8	0.0	0.0	86			Y
PRD	6245	8562	CP	48	48	40	PRO	0	0	4.1	7	11		5.55	6.70	4.2	0	N	CG LC	9.37	4.0	4.9	13.80	16.20	10.6	13.10	16.6	2	2.83	0.41	6.7	-0.2	-5.0	98			Y
PRD	6407	4526	CP	18	18	34	PRO	0	0	1.60	2	4		5.55	7.96	1.6	0	N	0	9.24	1.6	3.9	12.74	12.5	3.1	12.16	3.84	2	1.66	1.90	3.8	-0.1	-6.7	94			Y
SRD	7500	13522	CP	18	18	24	PRO	0	0	4	2	2	MC	5	6.84	1.59	0	N	SC	6.9	1.59	3.25	10.2	11.1	9.2	10.3	13.1	2	2.61	1.71	0.3	0.1	-6.0	38			Y
TRDN	2000000	86388	CP	48	48	40		0	0	1.5	5	18	HC	5.8	10.90	3.0	0	N	0	12.60	3	7.7	22.4	22.4	3.0	22.4	5.0	2	6.80	6.80	4.3	1.0	25.0	267			Y
TRDN	2080000	0753	CP	36	36	30		0	0	2.5	10	8	HC	5.0	6.20	3.0	0	N	0	7.50	3.0	4.1	10.9	11.2	2.9	10.5	3.5	2	0.70	0.40	4.3	0.0	0.0	120			Y
TRDN	2500000	0832	CP	36	36	34		0	0	3.6	30	20	HC	5.6	4.50	3.0	0	N	SC B	7.10	3.0	4.9	13.1	13.6	4.9	12.4	7.6	2	3.50	3.00	7.6	0.0	0.0	83			Y
TRDN	2700000	4320	CP	48	48	70		0	0	5.0	12	6	HC	6.0	13.10	4.0	0	N	CG	14.90	4.0	7.7	26.9	27.2	11.0	26.1	18.0	2	8.30	8.00	2.6	0.0	0.0	80			Y
TRDN	2700000	1747	CP	18	18	31		0	0	3.0	6	12	HC	6.0	7.40	1.5	0	N	0	8.45	1.5	2.2	12.0	12.1	4.8	11.2	5.0	2	2.15	2.05	3.4	0.0	0.0	50			Y
TRDN	2700000	1668	CP	36	36	38		0	0	6.0	6	5	HC	5.0	8.00	3.0	0	N	CG	9.25	3.0	6.2	14.1	14.6	10.0	13.2	10.5	2	2.35	1.85	3.3	0.0	0.0	50			Y
TRDN	2000000	103703	CP	36	36	62		0	0	1.5	6	5	HC1	5.6	9.40	3.0	0	NA	O BO	10.90	3.0	3.6	15.0	15.3	3.9	14.7	4.5	2	1.40	1.10	2.4	0.0	0.0	200			Y
TRDN	1430310	0121	CP	18	18	28		0	0	1.7	5	6	HC1	5																							

FISH PASSAGE ANALYSIS DATA GREEN/GREY/RED

DISTRICT	WTE_NO	MP	FEAT	MGT	WTD	LEN	ENT	BLK	SD	B_US	U_GD	D_GD	CHT	HI	TC_I	CO_I	BLD_C	BLD_T	U_SB	TC_O	CO_O	PO	WSE	TC	B_TC	OHW_O	OHW_W	VERIFIED	PRCH_TC	PRCH_WSE	CUL_GRD	BOLD_D_I	INV_B_%	CULW_BW	GREEN	C_AY	RED		
CRD	2100000	4420	cp	24	24	30				3.2	18	15	hc	5	7.35	2.0	0		bo	9.48	2.0	3.3	13.8	13.8	3.0	12.47	4.2	2	2.30	2.13	7.1	0.0	0.0	63			Y		
CRD	2150000	5100	cp	36	36	34				5.8	25	19	hc	5	7.05	3.2	0		sc lc	8.73	3.0	4.3	15.3	15.7	4.8	14.63	8.2	2	3.99	3.59	4.9	-0.2	-6.7	52			Y		
CRD	2150000	9460	cp	36	36	32				4.1	12	24	hc	5	6.69	3.3	0		sc	10.01	3.0	3.9	15.5	15.7	6.2	14.86	7.4	2	2.71	2.45	10.4	-0.3	-10.0	73			Y		
CRD	2100000	1790	cp	24	24	40				3	5	1	mm	5	10.63	2.4	0		cg s	11.65	2.0	2.6	14.1	15.7	7.2	13.42	3.3	2	2.10	0.46	2.5	-0.4	-20.0	67			Y		
CRD	2100000	5190	cp	24	24	58				3	5	10	hc	5	17.59	2.0	0		o b	19.91	2.0	6.4	27.1	27.2	7.3	26.80	9.2	2	5.32	5.18	4.0	0.0	0.0	87			Y		
CRD	2100000	6510	cp	36	36	40				4.6	6	20	hc	5	8.33	3.0	0		lc bo	10.53	3.0	4.2	14.1	14.2	9.0	13.62	11.7	2	0.71	0.54	5.5	0.0	0.0	85			Y		
CRD	2100000	19250	cp	36	36	30				5.6	11	13	hc	5	6.92	3.1	0		sc lc	7.87	3.0	4.4	12.0	12.1	3.2	11.32	8.6	2	1.20	1.10	3.2	-0.1	-3.3	54			Y		
CRD	2150000	0530	cp	36	36	40				4.6	8	12	hc	5	11.75	3.0	0		lc	14.89	3.0	3.0	18.9	19.1	5.7	18.54	8.6	2	1.17	1.00	7.9	0.0	0.0	65			Y		
CRD	2150000	4000	cp	36	36	40				3.9	10	17	hc	5	6.63	3.1	0		sc lc	6.99	3.0	3.2	15.2	15.4	5.0	14.40	8.7	2	5.43	5.20	0.9	-0.1	-3.3	77			Y		
CRD	2150000	4410	cp	60	60	50				8	21	18	hc	5	7.55	5.1	0		bo lc	15.09	5.0	7.2	22.7	23.0	16.0	22.21	17.7	2	2.87	2.58	15.1	-0.1	-2.0	63			Y		
CRD	2150000	9550	cp	60	60	49				7.7	10	14	hc	5	10.50	5.0	0		sc lc	16.11	5.0	5.4	22.1	22.4	6.5	21.42	9.6	2	1.33	0.97	11.4	0.0	0.0	65			Y		
CRD	2014000	0330	cp		24	30				2.8	4	11	hc mm	5	8.01	2.0	0		sc	9.65	2.0	2.3	12.0	12.2	2.0	11.48	6.3	2	0.53	0.39	5.5	-2.0	*****	71			Y		
CRD	2100000	18390	cp	36	36	36				3.7	13	7	hc mm	5	6.59	3.1	0		lc	10.17	3.0	4.1	14.3	14.3	4.0	13.62	7.6	2	1.10	1.13	9.9	-0.1	-3.3	81			Y		
CRD	2150000	8920	cp	36	36	36				3.3	2	7	mm	5	7.87	3.2	0		s o	8.66	3.0	4.1	12.8	13.3	2.9	12.40	5.5	2	1.59	1.13	2.2	-0.2	-6.7	91			Y		
CRD	2100000	4530	cp	18	18	34				1.2	3	0	mm pa	5	6.92	1.5	0		s o	8.66	1.5	1.7	11.0	11.2	0.6	10.43	3.5	2	0.99	0.86	5.1	0.0	0.0	125			Y		
WRD	6265	2414	pa	50	76	38				7.6	8	8	mm	4.75	6.6	4.25	0	0	lc s	7.85	4	5.7	12.7	13.3	9.6	11.6	10	2	1.45	0.85	3.3	-0.1	-2.0	83			Y		
CRD	2100000	20480	cp	24	24	30				4.4	9	7	hc	5	7.78	4.0	0		lc	8.86	4.0	5.4	14.1	14.3	3.5	13.52	6.5	2	1.48	1.22	3.6	-2.0	-100.0	45			Y		
CRD	2150000	7320	cp	24	24	44				4.5	18	4	hc	5	7.58	2.0	0		sc lc	9.58	2.0	2.8	12.9	13.1	2.5	28.21	8.6	2	1.51	1.31	4.5	0.0	0.0	44			Y		
CRD	2100000	12740	cp	70	70	108				18.5	1	7	mc	5	10.70	9.5	0		lg cg	12.89	9.1	9.8	22.3	23.0	15.4	21.00	19.7	2	1.04	0.35	2.0	-3.7	-62.9	32			Y		
CRD	2150000	7280	cp	24	24	34				5.8	7	4	mc	5	7.41	2.1	0		cg sc	9.12	2.0	2.5	11.8	12.1	6.4	11.38	6.8	2	1.02	0.69	5.0	-0.1	-5.0	34			Y		
TRDN	2000000	120792	CPB	60	60	60				1	1	5.8	9	6	HC2	5.6	13.90	4.3	100	LC BO	LC BC	16.80	5.2	5.8	21.1218	7.8	20.2	10.0	2	-22.00	*****	4.8	0.7	14.0	86			Y	
TRDN	2000000	106598	CO	216	107	96				0	0	6.0	8	3	MC	5.6	16.20	9.1	100	BO	B	20.40	9.6	9.7	29.3	30.6	8.3	26.6	27.8	2	0.60	-0.70	4.4	8.9	49.4	149			Y
SRO	7500	13140	CP	36	36	28	PRO			0	0	4	2	2	MC	5	7.15	2.97	0		SC	7.32	3	2.98	9.96	10.3	6	9.8	8	2	-0.02	-0.36	1.0	0.0	1.0	75			Y
TRDN	1530000	1214	CPB	36	36	43				0	0	4.5	7	7	HC2	6.1	12.30	2.9	0	NA	CG BC	15.80	3.0	3.3	18.7	18.9	4.4	18.5	6.5	2	0.10	-0.10	8.1	0.1	3.3	67			Y
TRDN	2000000	115861	CP	60	60	40				0	0	NA	1	1	PA5	5.6	9.70	5.8	100	O	O	9.80	5.8	6.1	12.6	NA	NA	12.4	NA	2	*****	-3.00	0.3	-0.8	-16.0	*****		Y	
TRDN	1445000	5455	CP	72	72	62				0	0	NA	1	0	PA5	5.4	9.70	6.0	100	O	O	9.20	5.8	6.1	13.6	NA	NA	NA	NA	2	*****	-1.40	-0.8	0.0	0.0	*****		Y	
TRDN	2086000	0650	CP	36	36	40				0	0	NA	1	1	PA5	5.7	7.00	3.4	0	O	O	7.10	3.0	3.3	7.3	NA	NA	NA	NA	2	*****	-2.80	0.2	-0.4	-13.3	*****		Y	

SUMMARY OF STRUCTURE TYPE BY DISTRICT

	<u>TRD</u>	<u>CRD</u>	<u>KRD</u>	<u>WRD</u>	<u>PRD</u>	<u>SRD</u>	<u>HRD</u>	<u>JRD</u>	<u>YRD</u>	<u>TOTAL</u>
MILES SURVEYED	1154	173	2	107	522	71	59	35	30	2153
CULVERT TYPE										0
AO	1				19					20
AR	5	3		8	5	1				22
AR2	0									0
AR3	0				2					2
CO	2			12	1					15
CP	9233	2577		1691	6873	1146	865	317	49	22751
CP2	2			2	40		4	2		50
CP3	0				15	3				18
CPB	13									13
LC	93	14			23					130
PA	33	9		9	64	9	11	8		143
PA2	0				18					18
PA3	0				3					3
PP	910	29								939
WC	34	57		1						92
TOTAL	10326	2689		1723	7063	1159	880	327	49	24216
BRIDGES										0
PB	43	8		10	32		10	4	1	108
MB	36			1	38	8	20		2	105
LB	17	4		18	63	37	4	3		146
TOTAL	96	12		29	133	45	34	7	3	359
FORDS	6									6
REMOVED STRUCTURES	267	20		66	226			1	2	582
MISSING STRUCTURES	629	272		133	104	66	2		1	1207
DITCH RELIEF CULVERTS	5400	1228		1269	4726	774	271	136	30	13834

SUMMARY OF WATER QUALITY RELATED DATA BY DISTRICT

<u>FEATURE</u>	<u>TRD</u>	<u>CRD</u>	<u>KRD</u>	<u>WRD</u>	<u>PRD</u>	<u>SRD</u>	<u>HRD</u>	<u>JRD</u>	<u>YRD</u>	<u>TOTAL</u>
Total Miles of System Road Surevied	1154	173	2	107	522	71	59	35	30	2153
Cutslope Erosion (number of occurrences)	448	203		198	614	7	13	18		1501
Fillslope Erosion (number of occurrences)	46	61		32	90	2	7	2		240
Surface Erosion (number of occurrences)	225	26		8	375	9	22	10		675
Water Running Across Road (number of occurrences)	115	26		146	107	24	1	3		422
Inlet Erosion on (number of occurrences)	218	87		249	94	15	25	5		693
Outlet Erosion (number of occurrences)	132	203		114	79	21	79	11		639
Ditch Erosion Locations (number of occurrences)	21	12		5	20	3	2	1		64
Ditch Plugging Locations (number of occurrences)	580	360		162	240	29	11	52		1434
Ditch Relief Culverts (number)	5400	1228		1269	4726	774	271	136	30	13834
Failure Mechanisms Recorded	2565	426		1766	1683	415	165	262		7282
Action Taken	681	161		144	547	42	66	44	3	1688

SUMMARY OF FISH STREAM CROSSING STRUCTURE BY DISTRICT

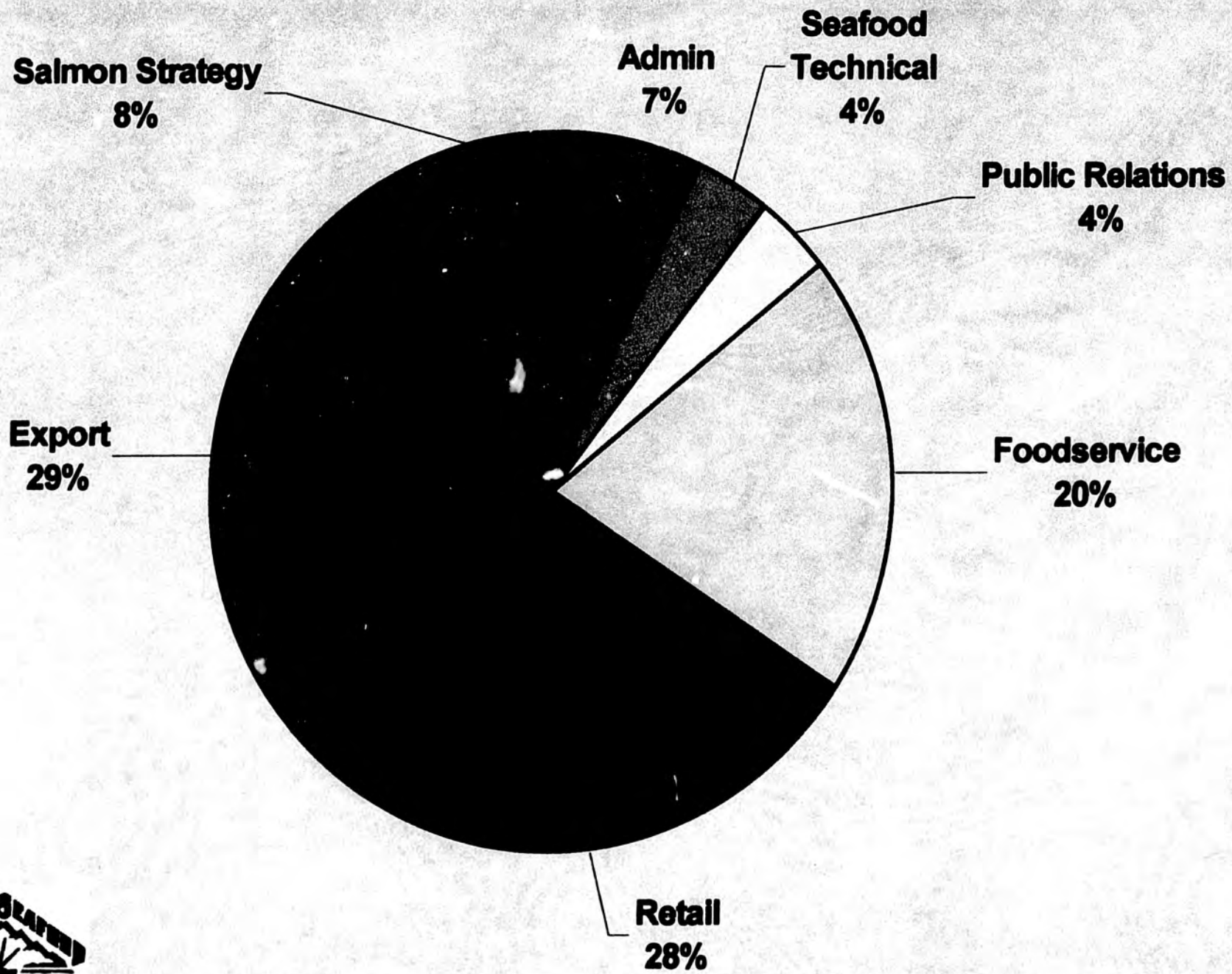
FEATURE	TRD	CRD	KRD	WRD	PRD	SRD	HRD	JRD	YRD	TOTAL
										0
Total Miles of System Road	1381	280	305	312	598	372	254	56	36	3594
Total Miles of System Road Surveyed	1154	173	2	107	522	71	59	35	30	2153
Total Miles of Non-system Road	517	107	51	172	261	124	53	16	0	1301
Total Miles of Non-system Road Surveyed	200	0	0	3	0	0	0	0	0	203
Number of Verified Fish Crossings(including pulled bridges) [all fish]	848	95		112	533	68	38	9	13	1716
Number of removed structures(both culverts and bridges) [removed]	66	3		1	5	0	0	1		76
Number of bridges [bridges]	62	2		16	83	17	6	1	2	189
Number of Verified AHMU 1 & 2 Culverts [all culverts]	249	89		95	441	51	32		11	968
AO Structural Plate Arch (open bottom, multi-plate)	1			0	17					18
AR Structural Plate Arch (closed bottom, multi-plate)	3	2		6	3	1				15
AR2 Double Structural Plate Arch (closed bottom, multi-plate)	0									0
AR3 Triple Structural Plate Arch (closed bottom, multi-plate)	0				2					2
CO Corrugated metal arch - open bottom	2			9						11
CP Corrugated metal pipe	645	81		73	338	47	30	6	10	1230
CP2 Double Corrugated metal pipe	0			2	22					24
CP3 Triple Corrugated metal pipe	0				5					5
CPB Corrugated metal pipe (baffled)	8									8
LC Log culvert	2									2
PA Corrugated metal pipe arch (squash pipe)	26			5	48	3	1	1	1	85
PA2 Double Corrugated metal pipe arch (squash pipe)	0				6					6
PP Plastic Pipe	17									17
WC Wooden culvert	4	6								10
Number of Verified Culverts with incomplete measurements [missing data]	268	54		56	87	8	1	4	11	489
Number of Verified Class I Culverts with incomplete measurements	79	16		22	17	8		3	11	156
Number of Verified Class II Culverts with incomplete measurements	189	38		34	70	0		1		332
Number of Verified Culverts with complete measurements [fishpass]	403	41		39	331	46	31	5	0	896
Number of Verified Class I Culverts with complete measurements [verahmu1]	126	9		4	87	35	8	4		273
Number of Green Class I	18	1		1	21	4	1	1		47
Number of Grey Class I	30	4		0	6	4	1	2		47
Number of Red Class I	78	4		3	60	27	6	1		179
Number of Verified Class II Culverts with complete measurements [verahmu2]	277	32		35	244	11	22	1		622
Number of Green Class II	19	3		1	13	0	0	0		36
Number of Grey Class II	41	2		0	10	1	0	1		55
Number of Red Class II	217	27		34	221	10	22	0		531
	0									0
Bridges (Class I)	50	2		8	52	12	2	1	2	129
Bridges (Class II)	12	0		8	31	5	4	0	0	60

SCOMM

126:4

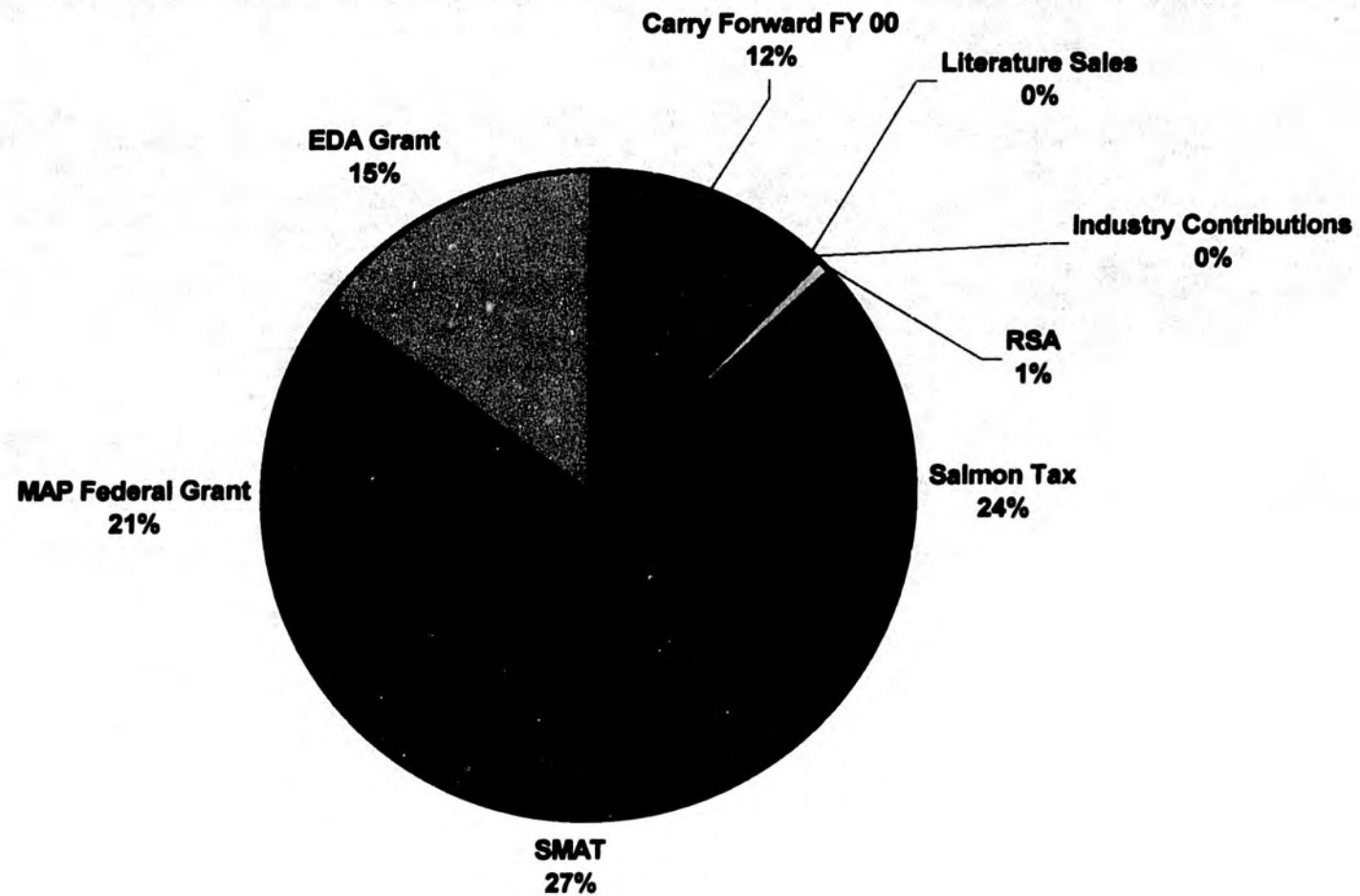
FY01 ASMI Revenue Allocation

Admin	757
Seafood Technical	405
Public Relations	418
Foodservice	2,200
Retail	3,055
Export	3,290
Salmon Strategy	919
 <i>Total</i>	11,045



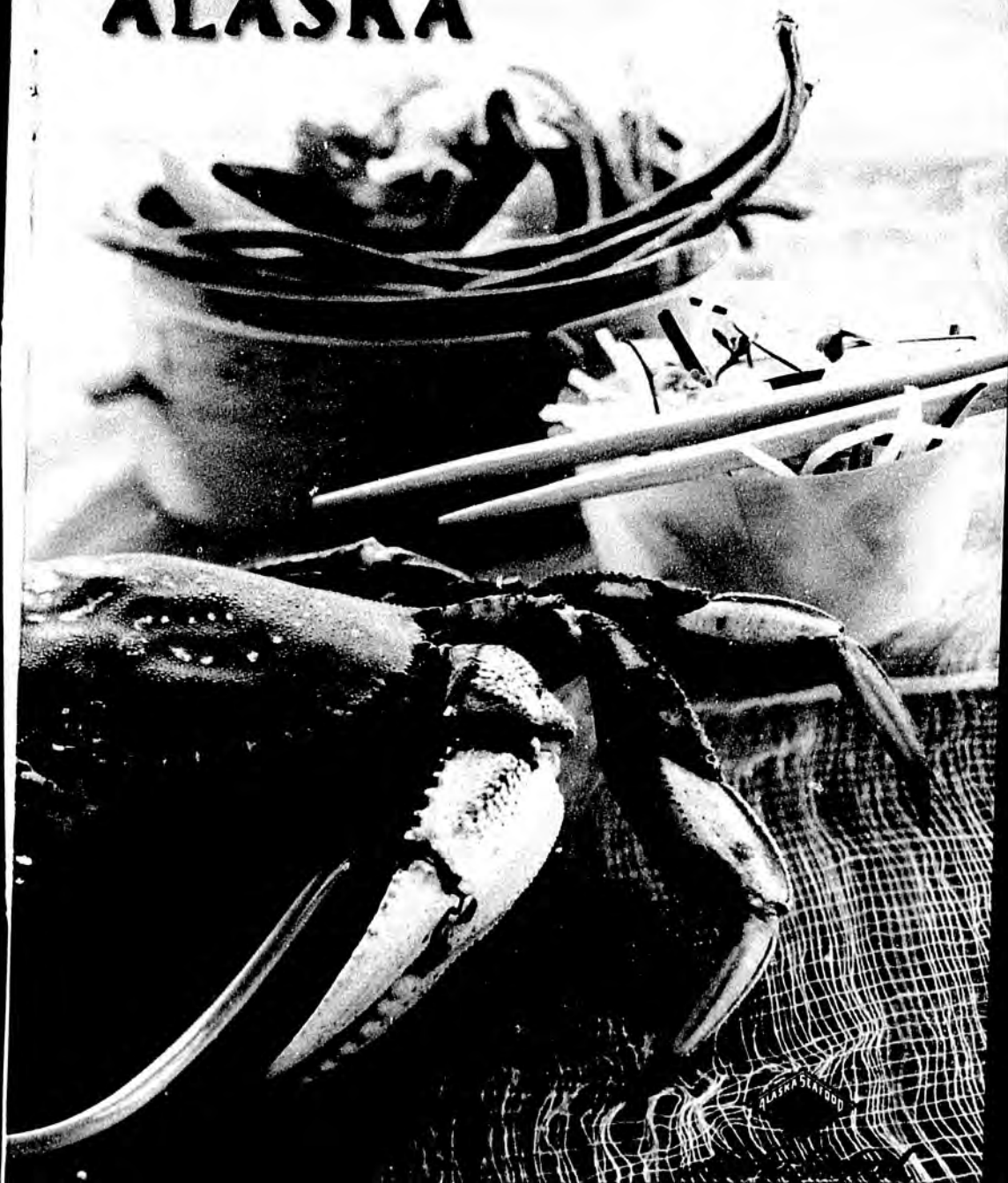
Sources of ASMI Revenue FY 01

Carry Forward FY 00	1,379	12%
Literature Sales	10	0%
Industry Contributions	50	0%
RSA	105	1%
Salmon Tax	2,822	24%
SMAT	3,159	27%
MAP Federal Grant	2,445	21%
<u>EDA Grant</u>	<u>1,775</u>	<u>15%</u>
Total	11,744	100%



ASIA MEETS ALASKA

A RECIPE COLLECTION
featuring ALASKA SEAFOOD



ALASKA SEAFOOD THE LAST FRONTIER IN FLAVOR

If your taste buds could talk, how would they describe Asia? As the sharp shock of wasabi? The velvet texture of toasted sesame oil? The piquant tang of lemon grass? Or as an exotic mix of many flavors and textures?

Truth is, the essence of Asia can't be described in one taste or texture. Asian cuisine is characterized by a multitude of flavors; some surprising, all sublime. As the American palate has become more attuned to Asian cuisine, there is an increasing demand for new and distinctive ingredients that deliver a flavor wallop.

To keep on top of this trend, it's time to start incorporating new flavors into your recipes. To experiment with fermented black beans, Thai fish sauce or mung bean sprouts; incorporating them into your menus in traditional and non-traditional ways. One way to do this is with Alaska Seafood. Many Asian recipes are based around it. Think of firm, flaky halibut accented with delicate Kaffir lime. Sweet crab in a smooth and spicy curry. And rich Alaska Salmon accented by luscious coconut milk and red chilies.

Swimming freely in icy waters, Alaska Seafood develops a firm texture and superior flavor which sets it apart from others. One of the most bountiful fishing regions in the world, Alaska produces five billion pounds of seafood a year. Among them are five species of Alaska Salmon, three species of Alaska Crab and several varieties of Alaska Whitefish.

In Asia, Alaska Seafood is highly prized for its texture and flavor. These qualities also make it appealing to the American consumer, especially when it comes to Asian-inspired cuisine. This high degree of quality is guaranteed by the expertise of Alaska fishermen. They harvest the seafood at its peak, then process it within hours to insure its fresh-caught flavor. When you call out "Alaska" on your menu, guests will know they can expect the best.

So come, take your taste buds on a tour of Asia. When paired with Alaska Seafood, you just might be surprised at the flavors you'll find.





CILANTRO GRILLED ALASKA SALMON

with RADISH VINAIGRETTE

INGREDIENTS	AMOUNTS	DIRECTIONS
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YIELD: 4 SERVINGS

Alaska Salmon filets	4 (7 ounces each)
Cilantro, chopped	2 tablespoons
Ginger, chopped	1 tablespoon
Sesame seeds	1 tablespoon
Lemon zest, finely chopped	1 teaspoon
Thai fish sauce	1 tablespoon
Cornstarch	1 teaspoon
Peanut oil	as needed

RADISH VINAIGRETTE

Thai fish sauce	1/4 cup
Rice vinegar	1/4 cup
Lime juice	2 tablespoons
Honey	1 tablespoon
Peanut oil	1/4 cup
Daikon, julienned	1/4 cup
Red radish, halved and thinly sliced	1/4 cup
Cilantro, chopped	1 teaspoon
Crushed red pepper flakes	1/4 teaspoon

1. To prepare vinaigrette, combine fish sauce, vinegar, lime juice and honey in a blender or food processor container; process until blended.
2. With motor running, add oil in slow steady stream to emulsify. Stir in remaining vinaigrette ingredients; set aside.
3. To prepare cilantro topping for salmon, combine cilantro, ginger, sesame seeds and lemon zest; set aside.
4. In small bowl, combine fish sauce and cornstarch; mix to form paste. Brush tops of each salmon fillet with paste; sprinkle liberally with cilantro mixture.
5. For each serving, heat peanut oil in non-stick skillet until hot. Sear salmon, crust-side down; turn and sear other side. Finish cooking in oven, if necessary.
6. Arrange salmon fillet on warmed dinner plate, cilantro-crust side up; top with radish vinaigrette.



ALASKA KING CRAB PAD THAI SALAD

INGREDIENTS	AMOUNTS	DIRECTIONS
YIELD: 4 SERVINGS		
Flat rice noodles	1 pound	1. Soak rice noodles in warm water for 20 minutes to soften; drain well and set aside. 2. To make dressing, in small bowl, combine mirin, soy sauce, lime juice, sesame oil and ginger; mix well and set aside. 3. In large bowl, combine rice noodles, daikon, bean sprouts, long beans, red bell pepper, cilantro and mint. 4. Pour dressing over vegetables; toss gently to coat. 5. Dredge tofu in cornstarch. Deep fry in 375°F oil until golden and crisp; drain on absorbent towels. 6. Add tofu and king crab meat to vegetables; toss gently. Season with salt and pepper. 7. For each serving, place 1/4 of salad on chilled plate or bowl; sprinkle with sesame seeds and garnish with cilantro sprig.
Mirin	1/4 cup	
Soy sauce	1/4 cup	
Lime juice	2 tablespoons	
Sesame oil	2 tablespoons	
Ginger, chopped	1 tablespoon	
Daikon, julienned	2 cups	
Bean sprouts	1 cup	
Chinese long beans, diagonally-cut	1 cup	
Red bell pepper, julienned	1/4 cup	
Cilantro, chopped	3 tablespoons	
Mint, chopped	2 tablespoons	
Firm tofu, cut into 1/2-inch cubes	1 cup	
Cornstarch	3 tablespoons	
Peanut oil	as needed	
Alaska King Crab leg meat, cut up	12 ounces	
Salt and pepper	to taste	
GARNISH		
Black sesame seeds	as needed	
Fresh cilantro sprigs	as needed	