

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
WSDOT Northwest Region - NW																			
994704	DOT Maint. Yrd	0.99	Unnamed	Yarrow Cr	8	Culvert	SQSH	1.1	CST	0.91	0.91	132	No	0	3.5	33	Yes	977	6.58
994406	I-405	3.06	Unnamed	Cedar R	8	Culvert	RND	1.1	OTH	1.3	1.3	140.9	No	0.13	4.47	0	Yes	794	4.56
992385	I-405	15.09	Yarrow Cr	Lk Washington	8.0252	Culvert	RND	1.1	OTH	0.75	0.75	204.8	No	0.8		0	Yes	2001	28.47
990376	I-405	19.12	Forbes Cr	Juanita Bay	8.0242	Culvert	RND	1.1	SST	1.98	1.98	0.9	No	0	0	67	Yes	1200	
08.0070 A 0.25	I-405	26.46	Perry Cr	North Cr	08.0070 A	Culvert	RND	1.1	PCC	1.52		112.3	Unk		2.4	67	Yes	885	11.22
993109	I-405	26.87	Unnamed	North Cr	8	Culvert	RND	1.1	CST	1.05	1.05	0.9	No	0	3	0	Yes	595	9.33
08.0059 7.00	I-405	29.75	Swamp Cr	Sammamish R	8.0059	Culvert	BOX	1.2	CPC	2.44	1.83	103.5	Unk			67	Yes	11395	61.62
08.0059 7.00	I-405	29.75	Swamp Cr	Sammamish R	8.0059	Culvert	BOX	2.2	CPC	2.44	1.83	103.5	Unk			67	Yes	11395	61.62
993898	I-405 ROW	29.67	Martha Cr	Swamp Cr	8	Culvert	RND	1.1	PCC	0.91	0.91	9.9	No	0	1.41	67	Yes	2817	12.36
995292	I-5	141.49	Unnamed	EF Hylebos Cr	10.0016	Culvert	RND	1.1	PCC	1.22	1.22	81.1	No	0	1.4	33	Yes	2113	10.51
992364	I-5	143.6	Unnamed	EF Hylebos Cr	10.0013	Culvert	RND	1.1	PCC	0.91	0.91	745	Unk			0	Yes	1314	10.79
996029	I-5	153.31	Unnamed	Green R	9.0036	Culvert	RND	1.1	SPS	1.6	1.6	200	No	0.05	9	0	No	182	
995976	I-5	153.45	Unnamed	Green R	9.0033	Culvert	RND	1.1	SPS	1.6	1.6	207.7	No	0.15	9.6	0	Yes	408	
994562	I-5	174.71	Thornton Cr	Lk Washington	8.003	Culvert	RND	1.2	PCC	1.75	1.75	465	No	0	2	33	Yes	2516	18.09
994562	I-5	174.71	Thornton Cr	Lk Washington	8.003	Culvert	RND	2.2	PCC	1.75	1.75	465	Unk	0	2	33	Yes	2516	18.09
993090	I-5	182.73	Swamp Cr	Sammamish R	8.0059	Culvert	RND	1.2	CST	1.74	1.74	165	No	0	0.48	67	Yes	10760	58.42
993090	I-5	182.73	Swamp Cr	Sammamish R	8.0059	Culvert	RND	2.2	CST	1.74	1.74	164.5	No	0	0.41	67	Yes	10760	58.42
996229	I-5	183.33	Unnamed	Swamp Cr	8	Culvert	RND	1.1	PCC	0.3	0.3	144	No	0.17		0	No	48	
102 N218	I-5	186.93	Unnamed	North Cr	8.007	Culvert	RND	1.1	PCC	0.75	0.75		No	0.22		33	No	152	
993091	I-5	187.64	Unnamed	Silver Lk	8	Culvert	RND	1.1	PCC	0.91	0.91	25	No	0		33	No	107	
995262	I-5	189.9	Unnamed	Wood Cr	7	Culvert	RND	1.1	PCC	0.76	0.76	324.3	No	0.07	4	0	No	40	
995284	I-5	203.22	Unnamed	WF Quilceda Cr	7.0051	Culvert	RND	1.1	CST	0.76	0.76	85.6	No	0	1.84	67	Yes		
992181	I-5	213.27	Unnamed	Unnamed	05.0065B	Culvert	SQSH	1.1	CST	0.7	0.45	36.7	No	0.46	2.97	0	Yes	275	7.94
992182	I-5	213.27	Unnamed	Unnamed	05.0065C	Culvert	SQSH	1.1	CST	0.7	0.45	37.2	No	0.37	3.28	0	Yes	982	12.24
991979	I-5	213.29	Unnamed	Unnamed	05.0065C	Culvert	RND	1.1	CST	0.61	0.61	62	No	0.15	4.5	0	Yes	916	12.24
992175	I-5	213.66	Unnamed	Pilchuck Cr	5.0065	Culvert	RND	1.1	PCC	0.76	0.76	36	No	0.21	2.57	33	Yes	365	6.02
LP66	I-5	213.86	Unnamed	Unnamed	5	Culvert	RND	1.1	CST	0.48	0.48	11.4	No	0	0.44	33	Yes		
996077	I-5	214.38	Freedom Cr	Church Cr	5.0185	Culvert	RND	1.1	OTH	0.61	0.61	115.1	No	0.54	3.81	0	Yes		
996074	I-5	214.65	Unnamed	Freedom Cr	5	Culvert	RND	1.1	CAL	0.61	0.61	44.7	No	0	4	33	No	120	
996071	I-5	214.73	Unnamed	Freedom Cr	5	Culvert	RND	1.1	CAL	0.61	0.61	74.7	No	0	1.67	33	Yes		
996073	I-5	214.74	Unnamed	Freedom Cr	5	Culvert	RND	1.1	CST	0.76	0.76	47.9	No	0	1.52	33	Yes		
03.0181 0.50	I-5	219.41	Fisher Cr	Carpenter Cr	3.0181	Culvert	RND	1.1	SPS	2.44	2.44	127.4	Unk	0	2	67	Yes	14404	
991725	I-5	224.62	Maddox Cr	SF Skagit R	3.2966	Culvert	RND	1.1	PCC	1.52	1.52	76.8	No	0		33	Yes	6938	13.6
995228	I-5	235.65	Unnamed	Samish R	3	Culvert	RND	1.1	CST	0.91	0.91	122	No	1.3	5.3	0	No	26	
995239	I-5	241.03	Unnamed	Friday Cr	3	Other										0	Yes		
370614	I-5	243.43	Unnamed	Lk Samish	3.0017	Culvert	RND	1.1	PCC	1.07	1.07		No	0	1.1	33	Yes	850	6.64
FR73	I-5	243.91	Unnamed	Samish Lk	3	Culvert	RND	1.1	CST	1.37	1.37	31.2	No	0.33	9.1	0	Yes		
990025	I-5	244.2	Barnes Cr	Samish Lk	3.0036	Culvert	RND	1.1	CST	1.83	1.83	26.1	No		5.14	33	Yes	622	
FR75	I-5	245.76	Unnamed	Lake Cr	3.0042	Culvert	RND	1.2	SPS	1.83	1.83	68.9	No	0.5	0.3	0	Yes	2703	20.63
FR75	I-5	245.76	Unnamed	Lake Cr	3.0042	Culvert	RND	2.2	SPS	1.83	1.83	69.2	No	0.5	0.2	0	Yes	2703	20.63
995411	I-5	246.75	Chuckanut Cr	Puget Sound	1.0626	Culvert	RND	2.2	OTH	1.42	1.61	106.3	No	0	3.1	0	Yes	240	9.24

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995411	I-5	246.75	Chuckanut Cr	Puget Sound	1.0626	Culvert	RND	1.2	OTH	1.42	1.61	106.4	No	0	2.9	0	Yes	240	9.24
994233	I-5	250.55	Padden Cr	Bellingham Bay	1.0622	Culvert	BOX	1.1	CPC	1.52	1.55	131.5	No	0.13	3.72	0	Yes	6716	31.29
995699	I-5	251.36	Unnamed	Connelly Cr	1	Culvert	RND	1.1	PCC	1.09	1.09	53.4	No	1.3	10.7	0	Unk	129	
991036	I-5	255.15	Squalicum Cr	Bellingham Bay	1.0552	Culvert	RND	1.2	CST	2.44	2.44	68.6	No	0	-0.83	67	Yes	34827	58.2
991036	I-5	255.15	Squalicum Cr	Bellingham Bay	1.0552	Culvert	RND	2.2	CST	2.44	2.44	68.6	No	0	-0.89	67	Yes	34827	58.2
990022	I-5	256.28	Baker Cr	Squalicum Cr	1.0553	Culvert	SQSH	1.1	SPS	3.51	2.13	122.7	No		2.03	33	Yes	18331	28.66
995703	I-5	259.08	Unnamed	Unnamed	1.0148	Culvert	RND	1.1	OTH	0.46	0.46	91.3	No	0	1.2	33	No	110	
995329	I-5	264.16	Unnamed	Unnamed	3.0043	Culvert	BOX	1.1	CPC	1.8	1.22	61	No	1.05	2.3	0	Yes	628	13.06
995727	I-5	275.53	Unnamed	Cain Cr	1	Culvert	RND	1.1	PCC	0.76	0.76	46.2	No	0	1.1	67	No	4	
102 M048	I-5 Service Rd	177.85	Unnamed	McAleer Cr	8.0049	Culvert	RND	1.1	CAL	0.95	0.95	50	No	0.9	1.1	33	Yes		7.84
995293	I-5 Ext 142 SB	142.15	Unnamed	EF Hylebos Cr	10.0016	Culvert	RND	1.1	PCC	0.76	0.76	78.1	No	0	0.68	33	Yes	1086	7
995299	I-5 Ext 143 NB	143	Unnamed	Hylebos Cr	10.0013	Culvert	RND	1.1	PCC	0.76	0.76	205	No	0	0.3	67	Yes	725	8.58
995300	I-5 Ext 143 NB	143	Unnamed	Hylebos Cr	10.0013	Culvert	RND	1.1	OTH	0.76	0.76	65.7	No	0	1.6	33	Yes	725	8.58
996076	I-5 Ext 210 NB	210.01	Unnamed	Stillaguamish R	5	Culvert	RND	1.1	PCC	1.22	1.22	174.5	No	0	4.4	0	Yes		
995242	I-5 Ext 218 NB	218	Unnamed	Unnamed	3.0184	Culvert	RND	1.1	OTH	1.07	1.07	182.9	No	0.1	0.7	33	Yes		
995245	I-5 Ext 240 NB	240	Unnamed	Friday Cr	3	Culvert	RND	1.1	OTH	0.76	0.76	67.3	No	0.4	2.3	0	Yes		
995246	I-5 Ext 240 NB	240	Unnamed	Friday Cr	3	Culvert	RND	1.1	PCC	0.61	0.61	30.5	No	0.9	2.2	0	Yes		
995236	I-5 Ext 240 SB	240	Unnamed	Friday Cr	3	Culvert	RND	1.1	PCC	0.61	0.61	16.8	No	0.11	3.9	0	Yes		
995240	I-5 Ext 240 SB	240	Unnamed	Friday Cr	3	Culvert	RND	1.1	CST	1.07	1.07	43.1	No	1.35	7.7	0	Yes		
995259	I-5 Ext 240 SB	240	Unnamed	Friday Cr	3	Culvert	RND	1.1	PCC	0.61	0.61	47.3	No	0.12	7	0	Yes		
995247	I-5 Ext 246 NB	246	Unnamed	Unnamed	3	Culvert	RND	1.1	PCC	0.76	0.76	21.5	No	0	2.7	33	No	64	
995248	I-5 Ext 246 NB	246	Unnamed	Unnamed	3	Culvert	RND	1.1	PCC	0.76	0.76	29.5	No	0.05	1.4	67	No	137	
995233	I-5 Median	240.95	Unnamed	Friday Cr	3	Culvert	RND	1.1	CST	0.61	0.61	12.5	No	0	6	0	Yes		
995227	I-5 NB	234.65	Unnamed	Samish R	3	Culvert	RND	1.1	PCC	0.76	0.76	41.8	No	0.35	6.1	0	No	40	
995232	I-5 NB	240.95	Unnamed	Friday Cr	3	Culvert	RND	1.1	PCC	0.61	0.61	21.3	No	0	1.7	33	Yes		
995250	I-5 NB	243.96	Unnamed	Samish Lk	3	Culvert	RND	1.1	CST	1.45	1.45	59.2	No	0.17	4.4	0	Yes		
995705	I-5 NB ext 252	0.19	Unnamed	Connelly Cr	1	Culvert	RND	1.1	OTH	0.61	0.61	97.4	No	0	11.2	0	No	18	
992978	I-5 NB Ext 256	0.01	Baker Cr	Squalicum Cr	1.0553	Culvert	BOX	1.1	CPC			0.9	No			67	Yes		
992003	I-5 NB on ramp	256	Baker Cr	Squalicum Cr	1.0553	Culvert	SQSH	1.1	CST	2.87	2.01	28.2	No	0.07	1.6	67	Yes	18331	25.69
995295	I-5 NB ROW	141.17	Unnamed	EF Hylebos Cr	10.0016	Culvert	RND	1.1	PCC	0.61	0.61	16.5	No	0	1.3	67	Yes	2523	9.2
102 M046	I-5 off Ext 177	177.85	McAleer Cr	Lk Washington	8.0049	Culvert	RND	1.1	CST	1.68	1.68	84.2	Yes	0	0.94	67	Yes	5029	44.83
995297	I-5 On Ext 142 SE	142	Unnamed	EF Hylebos Cr	10.0016	Culvert	RND	1.1	PCC	0.76	0.76	145.6	No	0.05	6	0	Yes	1442	10.55
994561	I-5 ROW	174.85	Thornton Cr	Lk Washington	8.003	Dam										0	Yes	2335	23.76
995234	I-5 SB	240.95	Unnamed	Friday Cr	3	Culvert	RND	1.1	PCC	0.61	0.61	20.8	No	0	1.4	33	Yes		
995238	I-5 SB	241.03	Unnamed	Friday Cr	3	Culvert	RND	1.1	PCC	1.07	1.07	31.9	No	0	0.2	33	Yes		
994501	I-5 SB	244.2	Barnes Cr	Samish Lk	3.0036	Culvert	RND	1.1	PVC	1.52	1.52	24.5	No	0	6.25	33	Yes	532	10.01
995255	I-5 SB ext 246	0.19	Unnamed	Unnamed	3.0043	Culvert	BOX	1.1	CPC	1.56	1.22	16.6	No	0.47	3.6	0	Yes	753	13.33
995256	I-5 SB ext 246	0.19	Unnamed	Unnamed	3.0043	Culvert	BOX	1.1	CPC	2.46	1.21	48.8	No	0.46	3.75	0	Yes	941	14.5
995235	I-5 SB ROW	240.95	Unnamed	Friday Cr	3	Culvert	RND	1.1	CST	0.61	0.61	49.8	No	0.36	12.2	0	Yes		
CR122	I-5/Henson Rd	225.24	Martha Washington Cr	Maddox Cr	3.297	Culvert	RND	1.1	CST	0.91	0.91	124	Unk	0		33	Yes	1210	9.82
996478	I-90	12.75	Unnamed	Lk Sammamish	8	Culvert	RND	1.1	CST	1.07	1.07	0.9	No	2		0	Unk		
996479	I-90	12.93	Unnamed	Lk Sammamish	8	Culvert	RND	1.1	PCC	0.61	0.61	0.9	No	0		0	Yes	219	

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996480	I-90	13.01	Unnamed	Lk Sammamish	8	Culvert	RND	1.1	PCC	0.76	0.76	89.8	No	0	8.5	0	Unk		
992798	I-90	13.83	Lewis Cr	Lk Sammamish	8.0162	Culvert	OTH	1.1	PCC	1.52	1.52	313.3	Unk	0	4.6	0	Yes	3956	30.43
994415	I-90	14.71	Unnamed	Lk Sammamish	8	Culvert	RND	1.1	OTH	1.07	1.07	153	No	0.12	10	0	Yes		
996472	I-90	15.92	Unnamed	Unnamed	8	Culvert	RND	2.3	PCC	1.07	1.07	83.8	No	0	1.03	67	Yes		
996472	I-90	15.92	Unnamed	Unnamed	8	Culvert	RND	1.3	PCC	1.07	1.07	84.1	No	0	0.6	67	Yes		
996472	I-90	15.92	Unnamed	Unnamed	8	Culvert	RND	3.3	PCC	1.07	1.07	83.8	No	0	1.08	67	Yes		
996475	I-90	17	NF Issaquah Cr	Issaquah Cr	8.0181	Culvert	RND	1.2	CST	0.91	0.91	37.7	No	0	4.85	33	Unk		
996475	I-90	17	NF Issaquah Cr	Issaquah Cr	8.0181	Culvert	RND	2.2	CST	0.91	0.91	37.6	No	0	4.81	33	Unk		
08.0183 1.60	I-90	18.83	EF Issaquah Cr	Issaquah Cr	8.0183	Culvert	ARCH	1.1	SPS				Unk			33	Yes	25546	0
994410	I-90	23.13	Soderman Cr	Raging R	7.039	Culvert	RND	1.1	CST	2.13	2.13	134.5	No	0.11	4.2	33	Yes	1075	13.82
994864	I-90	26.9	Unnamed	Good Cr	7	Culvert	RND	1.1	CST	0.91	0.91	160	No	0.48	12	0	No	140	
994865	I-90	26.99	Good Cr	SF Snoqualmie R	7.0456	Culvert	RND	1.1	OTH	1.45	1.45	0.9	No	0.52		0	No	143	
994866	I-90	28.32	Unnamed	Kimball Cr	7	Culvert	RND	1.1	PCC	0.76	0.76	125	No	0.62	13	0	Yes	992	1.8
994937	I-90	28.85	Unnamed	Unnamed	7	Culvert	RND	1.1	CST	0.61	0.61	97.7	No	1.1	12.5	0	No	160	
994929	I-90	29.74	Unnamed	Kimball Cr	7.0454	Culvert	RND	1.1	CST	0.61	0.61	100.8	No	1.4	3.5	0	No	129	
994877	I-90	30.45	Unnamed	SF Snoqualmie R	07.0469C	Culvert	RND	1.1	CST	1.68	1.68	176.8	No	0	5	0	Yes	1920	3.17
994882	I-90	38.19	Unnamed	SF Snoqualmie R	7	Culvert	RND	1.1	CST	0.91	0.91	136.1	No	0	7.3	0	Yes	998	2.07
990575	I-90	38.67	Unnamed	SF Snoqualmie R	7.0492	Culvert	ELL	1.1	SPS	2.1	2.28	172.4	No	0	3.85	33	Yes	1859	3.11
990072	I-90	38.83	Unnamed	SF Snoqualmie R	7.0493	Culvert	RND	1.1	SPS	1.52	1.52	172.4	No	0.69	3.85	0	Yes	654	2.98
990265	I-90	42.18	Mason Cr	Snoqualmie R	7.0499	Culvert	SQSH	1.1	SPS	2.25	1.79	118.9	No	0.49	3.1	0	Yes	471	2.36
994887	I-90	43.12	Unnamed	SF Snoqualmie R	7	Culvert	RND	1.1	CST	1.22	1.22	97.3	No	0	2.13	33	Yes	611	1.97
994891	I-90	43.42	Unnamed	SF Snoqualmie R	7	Culvert	RND	1.1	PCC	0.76	0.76	61.1	No	1	4.6	0	Yes		
994894	I-90	45	Unnamed	SF Snoqualmie R	7	Culvert	RND	1.1	PCC	0.91	0.91	72.4	No	0.26	4	0	No		
992931	I-90	48.09	Humpback Cr	SF Snoqualmie R	7.0512	Culvert	BOX	1.2	CPC	3.38	2.49	61.8	No	0.54	7.6	0	Yes	3454	5.67
992931	I-90	48.09	Humpback Cr	SF Snoqualmie R	7.0512	Culvert	BOX	2.2	CPC	3.38	2.49	61.8	No	0.54	7.7	0	Yes	3454	5.67
992933	I-90	48.66	Unnamed	SF Snoqualmie R	7	Culvert	BOX	1.2	CPC	3.15	2.45	31.4	No	0.24	2.26	0	No	125	
992933	I-90	48.66	Unnamed	SF Snoqualmie R	7	Culvert	BOX	2.2	CPC	3.15	2.45	31.4	No	0.24	2.26	0	No	125	
994907	I-90	52.12	Unnamed	SF Snoqualmie R	7	Culvert	RND	1.1	CAL	1.66	1.66	113.9	No	0.31	3.5	33	No	161	
994914	I-90 Ext 47 EB	0.08	Unnamed	SF Snoqualmie R	7	Culvert	RND	1.1	SPS	1.89	1.89	26.1	No	5	3.8	0	Yes	327	2.2
994868	I-90 EB	28.52	Unnamed	Kimball Cr	7.0461	Culvert	RND	1.1	CAL	0.61	0.61	44.8	No	0.59	0.6	0	Yes	579	2.55
990424	I-90 EB	46.24	Talapus Cr	SF Snoqualmie R	7.0508	Culvert	BOX	2.2	PCC	1.98	3.05	25	Unk		5	0	Yes	536	3.45
990424	I-90 EB	46.24	Talapus Cr	SF Snoqualmie R	7.0508	Culvert	BOX	1.2	PCC	3.06	1.87	35.8	No	0	8	0	Yes	536	3.45
994899	I-90 EB	46.3	Talapus Cr	SF Snoqualmie R	7.0508	Culvert	BOX	1.2	CPC	3.04	1.84	29.3	No	0	5	33	Yes	262	3.12
994899	I-90 EB	46.3	Talapus Cr	SF Snoqualmie R	7.0508	Culvert	BOX	2.2	CPC	3.05	1.84	30.6	No	0	5	33	Yes	262	3.12
990865	I-90 Exit 45 EB	0.23	Unnamed	SF Snoqualmie R	7	Culvert	RND	1.1	CST	1.52	1.52	85.3	No	0	1	0	No	78	
994912	I-90 Exit 42 EB	0.02	Unnamed	SF Snoqualmie R	7	Culvert	RND	1.1	CST	1.22	1.22	216	No	0		0	Yes	340	2.3
994911	I-90 Off Exit 27	0.15	Unnamed	Coal Cr	7	Culvert	RND	1.1	CST	0.76	0.76	175	No	0.26		0	No	140	
994985	I-90 Exit 31 WB	0.13	Unnamed	SF Snoqualmie R	7.0469	Culvert	BOX	1.1	CPC	1.85	1.22	123.7	No	0	0.6	33	Yes	3204	3.28
992941	I-90 Exit 47 WB	0.17	Unnamed	SF Snoqualmie R	7	Culvert	RND	1.1	CST	1.89	1.89	50.6	No	0.09	2.5	0	Yes	244	2.01
994927	I-90 Exit 42 WB	0.07	Mason Cr	SF Snoqualmie R	7.0499	Culvert	RND	1.1	CST	1.87	1.87	41.5	No	0	5.3	33	Yes	367	2.01
994994	I-90 ROW	47.35	Unnamed	SF Snoqualmie R	7	Culvert										33	No		
994984	I-90 WB	24.85	Unnamed	Lake Cr	7	Culvert	RND	1.1	CPC	1.33	1.33	225	No	1.45		0	Yes		

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
994938	I-90 WB	28.56	Unnamed	Kimball Cr	7.0461	Culvert	RND	1.1	CAL	0.91	0.91	69.4	No	0.62	14	0	Yes	677	2.64
994919	I-90 WB	47.35	Unnamed	SF Snoqualmie R	7	Culvert	RND	1.1	CST	1.52	1.52	105.5	No	1.65	6.3	0	No	193	
994995	Pratt Lk St. Yrd	0.99	Unnamed	SF Snoqualmie R	7	Culvert	RND	1.1	CST	0.76	0.76	114.2	No	1.6	6.6	0	No		
990111	SR 104	25.7	Willow Cr	Puget Sound	8.0011	Culvert	BOX	1.1	PCC	1.83	0.91	152.4	No	0.6	2.5	0	Yes	692	8.36
996208	SR 104	29.33	Unnamed	Ballinger Lk	8	Culvert	RND	1.1	OTH	0.46	0.46	61.7	No	0	1.1	0	No	148	
990653	SR 104	30.67	Unnamed	Lyon Cr	8.0053	Culvert	RND	1.1	CST	0.76	0.76	17	No	0.17	2.9	33	Yes	3000	11.38
990654	SR 104	31.08	Unnamed	Lyon Cr	8.0053	Culvert	RND	1.1	PCC	0.91	0.91	20	No	0	1.8	33	Yes		
990253	SR 104	31.3	Lyon Cr	Lk Washington	8.0052	Culvert	BOX	1.1	PCC	1.37	1.83	59.4	Unk	0	1	33	Yes	11365	18.56
991623	SR 104	31.73	Unnamed	Lyon Cr	8	Culvert	RND	1.1	CAL	0.76	0.76	20	No	0	3.7	33	Yes		
995312	SR 11	14.24	Unnamed	Samish Bay	1	Culvert	BOX	1.1	CPC	0.9	0.94	20.9	No	3	9.6	0	No		
995313	SR 11	15.45	Unnamed	Pleasant Bay	1.0634	Culvert	OTH	1.1	OTH	0.76	0.76	103.7	No	1.78	0.07	0	Yes		
995314	SR 11	15.93	Unnamed	Chuckanut Bay	1.0633	Culvert	RND	1.1	SST	1.22	1.22	38.9	No	0	12	0	Yes		
995796	SR 11	18.47	Unnamed	Chuckanut Cr	1	Culvert	RND	1.1	PCC	0.61	0.61	0.9	No	0.37		0	Yes	321	
990581	SR 11	18.65	Unnamed	Chuckanut Cr	1.0627	Culvert	RND	1.1	PCC	0.61	0.61	50.2	No	0.63	2.9	0	Yes	1138	12.35
994389	SR 11	20.25	Padden Cr	Bellingham Bay	1.0622	Culvert	RND	1.1	CPC	1.52	1.52	704	No	0		0	Yes		
994386	SR 11	21.08	Padden Cr	Bellingham Bay	1.0622	Culvert	BOX	2.2	CPC	1.5	0.95	24.5	No	0	2.2	33	Yes		
994386	SR 11	21.08	Padden Cr	Bellingham Bay	1.0622	Culvert	BOX	1.2	CPC	1.5	0.95	24.6	Yes	0	2.1	33	Yes		
992062	SR 161	33.48	Hylebos Cr	Puget Sound	10.0006	Culvert	RND	1.1	PCC	0.46	0.46	33.1	No	1.6	0.57	0	Yes		
992064	SR 161	33.79	Unnamed	EF Hylebos Cr	10	Culvert	RND	1.1	CST	0.75	0.75	0.9	No	0.55		0	Yes		
992360	SR 164	5.89	Unnamed	White R	10	Culvert	BOX	1.1	CPC	1.83	1.24	15.5	No	0	0.7	67	Unk		
996279	SR 164	7.01	Unnamed	White R	10	Culvert	RND	1.1	PCC	0.61	0.61	27.8	No	0	0.8	33	No	161	
991213	SR 164	9.06	Second Cr	White R	10.005	Culvert	RND	1.1	PCC	1.22	1.22	36.6	Unk	1.16	2	0	Yes	2376	11.1
991837	SR 164	10.21	Unnamed	Unnamed	10	Culvert	RND	1.1	CST	0.91	0.91	32	No	0	1.9	67	Yes		
996281	SR 164	10.65	Unnamed	Unnamed	10	Culvert	RND	1.1	PCC	0.46	0.46	12.2	No	0	1.5	67	No	100	
991839	SR 164	13.33	Unnamed	Newaukum Cr	9	Culvert	RND	1.1	OTH	1.22	1.22	45.8	No	0.58	3.01	0	Yes		
996308	SR 164 ROW	7	Unnamed	White R	10	Culvert	RND	1.1	PVC	0.46	0.46	5.8	No	0	2	67	No	98	
990394	SR 167	21.64	Spring Brook Cr	Black R	9.0005	Culvert	RND	1.1	PCC	0.91	0.91	52.1	Yes	0	0.54	67	Yes		
991681	SR 167	23.94	Unnamed	Springbrook Cr	9	Culvert	RND	1.1	CST	0.61	0.61	50.1	No	0	0.2	67	Yes		
991200	SR 167	24.16	Unnamed	Spring Brook Cr	9	Culvert	RND	1.1	CST	0.76	0.76	51.4	No	0	1.7	67	No	102	
995467	SR 167	24.72	Unnamed	Springbrook Cr	9	Culvert	RND	1.1	CST	0.61	0.61	47.8	No	0	0.8	33	Yes		
995468	SR 167	24.81	Unnamed	Springbrook Cr	9.0006	Culvert	RND	1.1	CST	0.83	0.83	47	No	0.05	1.8	33	No	58	
997637	SR 169	4.77	Unnamed	Green R	9	Culvert	RND	1.1	PCC	0.46	0.46	32.9	No	0.45	10.3	0	Yes		
997691	SR 169	7.15	Unnamed	Jones Lk	9	Culvert	RND	1.1	OTH	0.46	0.46	27.9	No	0	1.5	33	Yes		
997692	SR 169	7.25	Unnamed	Rock Cr	9	Culvert	RND	1.1	PCC	0.91	0.91	33.2	No	0.1	4.4	33	Yes		
997693	SR 169	8.27	Unnamed	Unnamed	9	Culvert	RND	2.2	PCC	0.61	0.61	22.5	No	0	3.7	33	Yes		
997693	SR 169	8.27	Unnamed	Unnamed	9	Culvert	RND	1.2	CST	0.61	0.61	23.3	No	0	4.7	33	Yes		
997694	SR 169	8.29	Unnamed	Rock Cr	9	Culvert	RND	1.1	PCC	0.91	0.91	71.6	No	0	1.1	33	Yes		
996492	SR 169	17.92	Unammed	Cedar R	8	Culvert	RND	1.1	PCC	0.46	0.46	57.3	No	0	1.43	33	Yes		
996493	SR 169	18.06	Unnamed	Cedar Cr	8	Culvert	RND	1.1	PCC	0.46	0.46	14.1	No	0	2.94	0	Unk		
996494	SR 169	18.48	Unnamed	Cedar R	8	Culvert	RND	1.1	PCC	0.46	0.46	17.7	No	0	1.41	33	Yes		
996496	SR 169	18.77	Unnamed	Cedar R	8	Culvert	RND	1.1	OTH	0.46	0.46	26.5	No	0.07	2.4	0	No	136	
996514	SR 169 ROW	18.06	Unnamed	Cedar R	8	Culvert	RND	1.1	CST	0.46	0.46	12.5	No	0.42	6.49	0	Yes		

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
996277	SR 18	0.29	Unnamed	Unnamed	10	Culvert	RND	2.2	CST	1.22	1.22	103.3	No	0	0.59	67	Yes		
996277	SR 18	0.29	Unnamed	Unnamed	10	Culvert	RND	1.2	PCC	0.91	0.91	103.8	No	0	0.48	67	Yes		
995298	SR 18	0.45	Unnamed	EF Hylebos Cr	10.0016	Culvert	RND	1.2	PCC	0.76	0.76	69.1	No	0	2.2	33	Yes	1278	7.28
995298	SR 18	0.45	Unnamed	EF Hylebos Cr	10.0016	Culvert	RND	2.2	PCC	0.46	0.46	70.2	No	0	2.2	33	Yes	1278	7.28
997660	SR 18	7.51	Unnamed	Big Soos Cr	9	Culvert	RND	1.1	SPS	1.52	1.52	105.9	No	1	13.2	0	Yes		
997661	SR 18	8	Unnamed	Soosette Cr	9	Culvert	RND	1.1	SPS	1.52	1.52	152.4	No	1.65	6.8	0	Yes		
990390	SR 18	8.9	Soosette Cr	Soos Cr	9.0073	Fishway										67	Yes	5339	22.76
997669	SR 18	15.14	Unnamed	Unnamed	9	Culvert	RND	1.1	PCC	0.91	0.91	87.7	No	0	5.2	0	Yes		
995474	SR 18	21.15	Unnamed	Holder Cr	8	Culvert	ELL	1.1	CST	1.16	1.27	128	No	0.55		0	Yes		
990173	SR 18	22.16	Holder Cr	Sammamish Lk	8.0178	Culvert	BOX	1.1	CPC	3.05	3.35	66.4	No		7	0	Yes	9155	15.93
995970	SR 18	22.58	Unnamed	Holder Cr	8	Culvert	RND	1.1	CST	1.22	1.22	44.4	No	0.8	11.4	0	No	50	
995971	SR 18	22.82	Unnamed	Holder Cr	8.022	Culvert	ELL	1.2	CST	1.64	1.37	76	No	0.19	3.5	33	Yes		
995971	SR 18	22.82	Unnamed	Holder Cr	8.022	Culvert	ELL	2.2	CST	1.64	1.37	78.9	No	0	3.4	33	Yes		
995972	SR 18	22.98	Unnamed	Holder Cr	8.022	Culvert	RND	1.1	CST	1.65	1.65	37.5	No	0.34	1.97	33	Yes		
995974	SR 18	23.55	Unnamed	Holder Cr	8	Culvert	RND	1.1	CST	0.91	0.91	43.3	No	0.22	1.27	0	No	155	
07.0396	0.80 SR 18	25.67	Deep Cr	Raging R	7.0396	Culvert	RND	1.1	CST	3.66	3.66	80.5	Unk		2	33	Yes	3377	15.93
990236	SR 18	27.64	Lake Cr	Raging R	7.0393	Culvert	RND	1.2	PCC	1.07	1.07	24.5	No	0	1.14	33	Yes	2168	20.65
990236	SR 18	27.64	Lake Cr	Raging R	7.0393	Culvert	RND	2.2	PCC	1.07	1.07	24.5	No	0	0.4	33	Yes	2168	20.65
995978	SR 20	12.96	Crocket LK	Puget Sound	6.0053	Culvert	RND	2.2	PCC	0.91	0.91	0.9	Unk			0	Yes		
995978	SR 20	12.96	Crocket LK	Puget Sound	6.0053	Culvert	RND	1.2	PCC	0.91	0.91	0.9	No			0	Yes		
FD41	SR 20	44.74	Unnamed	Skagit Bay	3	Culvert	RND	1.1	PCC	1.22	1.22	37.4	No	0	1.3	67	Yes	8203	28.68
996320	SR 20	46.1	Unnamed	Campbell Lk	3	Culvert	RND	1.1	PCC	0.46	0.46	35.8	No	0	1.03	0	Yes	590	10.24
FD37	SR 20	50.65	Fornsby Sl	Swinomish Ch	3.0153	Non-Culvert Xing										Unk	Unk		
PA106	SR 20	52.34	Unnamed	Padilla Bay	3.0116	Non-Culvert Xing										Unk	Unk		
PA107	SR 20	52.6	Telegraph Sl	Padilla Bay	3.0118	Non-Culvert Xing										0	Unk		
995432	SR 20	53.9	Unnamed	Indian Sl	3.0108	Culvert	RND	2.2	CST	0.91	0.91	85.6	Unk	0	-0.5	33	Yes		
995432	SR 20	53.9	Unnamed	Indian Sl	3.0108	Culvert	RND	1.2	CST	0.91	0.91	86.1	Unk	0	-0.5	33	Yes		
991142	SR 20	69.08	Unnamed	Coal Cr	3	Culvert	RND	1.1	PCC	0.46	0.46	15.4	Yes	0	1.3	67	Yes		
995438	SR 20	77.75	Unnamed	Unnamed	3	Culvert	RND	1.1	CST	0.61	0.61	30.2	No	0	1.25	67	No	74	
991149	SR 20	80.2	Unnamed	Skagit R	3	Culvert	RND	1.1	PCC	0.46	0.46	13.6	Yes	0	0.7	33	Yes		
997394	SR 20	85.39	Unnamed	Skagit R	4	Culvert	RND	1.1	PCC	0.61	0.61	23.5	No	0	3.6	33	No	108	
991445	SR 20	85.63	Unnamed	Skagit R	4.0434	Culvert	RND	1.1	PCC	0.61	0.61	20.5	No	0.1	1.1	0	Yes		
997397	SR 20	86.59	Unnamed	Skagit R	4	Culvert	RND	1.1	CST	0.76	0.76	18.6	No	1.15	3.5	0	Yes		
GR54	SR 20	87.01	Unnamed	Skagit R	04.0176X	Culvert	RND	1.1	PCC	0.61	0.61	26	No	0	0.6	67	Yes		
991151	SR 20	87.31	Eagle Cr	Skagit R	4	Culvert	SQSH	1.1	CST	1.55	1.08	24.5	No	0	3.8	33	Yes		
GR23	SR 20	88.82	Unnamed	Skagit R	4	Culvert	RND	1.1	PCC	0.61	0.61	30.2	No	0.1	1.6	33	Yes		
991132	SR 20	89.9	Unnamed	Skagit R	3	Culvert	RND	1.1	CST	0.91	0.91	45.7	Unk	5.49	8	0	Unk		
997401	SR 20	90.63	Unnamed	Unnamed	4	Culvert	RND	1.1	PCC	0.76	0.76	32.9	No	0	22.5	0	No	80	
JK2	SR 20	91.3	Unnamed	Skagit R	04.0176X	Culvert	RND	1.1	OTH	0.61	0.61	94.5	No	0	3.3	0	Yes		
991706	SR 20	93	Unnamed	Skagit R	4.0647	Culvert	RND	1.1	CST	0.61	0.61	44.9	No	7	4.68	0	No	0	
991707	SR 20	93.21	Unnamed	Skagit R	4	Culvert	RND	1.1	CPC	1.76	1.76	34.8	No	0.32	10.63	0	No	162	
994276	SR 20	93.29	Unnamed	Skagit R	4	Culvert	RND	1.1	CST	1.21	1.21	50	No	1.53	6.7	0	No		

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
991709	SR 20	93.7	Unnamed	Skagit R	4	Culvert	RND	1.1	CST	1.87	1.87	49	Unk	0.1	12.11	0	No	12	
991710	SR 20	93.84	Unnamed	Skagit R	4.0649	Culvert	RND	2.2	CST	0.61	0.61	16.5	Yes		1.8	67	Yes	426	5.78
991710	SR 20	93.84	Unnamed	Skagit R	4.0649	Culvert	RND	1.2	PCC	0.61	0.61	16.5	No	0.09	1.39	67	Yes	426	5.78
991711	SR 20	94.1	Unnamed	Skagit R	4.065	Culvert	BOX	1.2	PCC	1.52	0.91	25.5	No	0.46	5.2	33	Yes		
991711	SR 20	94.1	Unnamed	Skagit R	4.065	Culvert	BOX	2.2	PCC	1.52	0.91	25.5	No	0.46	5.2	33	Yes		
994308	SR 20	94.47	Unnamed	Skagit R	4.0654	Culvert	RND	1.1	CST	0.76	0.76	36.8	No	0.25	8.5	0	Yes	1232	8.33
991125	SR 20	94.68	Unnamed	Skagit R	4.0655	Culvert	RND	1.1	CST	1.83	1.83	59.2	No	0.02	12.7	0	No	96	
991126	SR 20	94.82	Unnamed	Skagit R	4.0657	Culvert	RND	1.1	CST	1.83	1.83	92.3	No	0.26	10.9	0	Yes	484	4.64
994225	SR 20	96.12	Unnamed	Skagit R	4.0671	Culvert	RND	1.1	PCC	0.46	0.46	15	Yes	0	0.76	67	Yes	4401	1.68
991127	SR 20	96.23	Unnamed	Skagit R	4.0672	Culvert	RND	1.1	PCC	0.91	0.91	24	No	0.18	3.08	0	Yes	476	4.8
997404	SR 20	97.62	Unnamed	Skagit R	4	Culvert	RND	1.1	OTH	0.46	0.46	82.7	No	0.2	8.9	0	No	23	
990410	SR 20	99.95	Sutter Cr	Skagit R	4.1345	Culvert	RND	1.1	PCC	1.52	1.52	23.8	No	1.58	2	0	Yes	497	7.42
995097	SR 20	105.34	Unnamed	Skagit	4	Culvert	RND	1.2	CST	1.22	1.22	25.4	No	0.09	2.6	33	No	188	
995097	SR 20	105.34	Unnamed	Skagit	4	Culvert	RND	2.2	CST	0.91	0.91	17.9	No	0.13	3.9	33	No	188	
CD18	SR 20	105.42	Backus Cr	Skagit R	4.1407	Culvert	SQSH	1.1	SPS	3.87	2.52	21	No	0	3	67	Yes		
991130	SR 20	112.54	Unnamed	Skagit R	4	Culvert	RND	1.1	CST	1.22	1.22	18.8	No	0.2	8.8	0	No	79	
991131	SR 20	112.9	Unnamed	Skagit R	4	Culvert	SQSH	1.1	CST	1.53	1.07	13.6	No	0.43	1.6	0	Yes		
994946	SR 20	114.14	Unnamed	Skagit R	4	Culvert	RND	1.1	CST	1.22	1.22	15.6	No	2.1	7.1	0	No	193	
994947	SR 20	114.71	Unnamed	Skagit R	4	Culvert	RND	1.1	CST	0.91	0.91	17.3	No	0.75	2.1	0	No	117	
DM7	SR 20	116.25	Unnamed	Skagit R	4	Culvert	RND	1.1	CST	0.91	0.91	27.9	No	0.6	0	0	Yes		
DM5	SR 20	117.61	Unnamed	Newhalem Ponds	4	Culvert	RND	1.2	CST	1.07	1.07	19.8	No	0	5	33	Yes		
DM5	SR 20	117.61	Unnamed	Newhalem Ponds	4	Culvert	RND	2.2	CST	0.91	0.91	19.1	No	0.42	1.7	33	Yes		
991452	SR 20	118.41	Babcock Cr	Skagit R	4.1862	Culvert	RND	1.1	OTH	0.61	0.61	15	No	0	1.5	67	Unk		
997031	SR 20	126.44	Unnamed	Diablo Lk	4	Culvert	RND	1.2	PVC	0.61	0.61	19	No	0.1	4	67	No	61	
997031	SR 20	126.44	Unnamed	Diablo Lk	4	Culvert	RND	2.2	PVC	0.61	0.61	19	No	0.1	5	67	No	61	
997588	SR 20	129.63	Unnamed	Diablo Lk	4	Culvert	RND	1.1	PCC	0.91	0.91	21	No	0	1	67	Yes	200	
997409	SR 20	134.25	Happy Cr	Ross Lk	4.2195	Culvert	RND	1.1	SPS	1.91	1.91	42.2	No	0.9	2.63	0	No	20	
997420	SR 20	139.17	Unnamed	Ruby Cr	4	Culvert	RND	1.1	CST	0.91	0.91	28.7	No	0.22	16.16	0	No	100	
997422	SR 20	139.75	Unnamed	Ruby Cr	4.2308	Culvert	RND	1.1	CST	1.83	1.83	33.9	No	0.42	25.37	0	No	21	
997425	SR 20	141.48	Unnamed	Granite Cr	4.2314	Culvert	RND	1.1	SPS	1.52	1.52	30.2	No	1.65	5.8	0	No	2	
997426	SR 20	143.13	Beebe Cr	Granite Cr	4.2322	Culvert	RND	1.1	SPS	1.45	1.45	47.6	No	3	18.6	0	No	8	
997427	SR 20	144.51	Unnamed	Granite Cr	4.233	Culvert	RND	2.2	CST	1.83	1.83	24.7	No	0.25	7.8	0	No	110	
997427	SR 20	144.51	Unnamed	Granite Cr	4.233	Culvert	RND	1.2	CST	1.83	1.83	24.8	No	1.2	9.5	0	No	110	
997429	SR 20	145.45	County Line Cr	Granite Cr	4.2363	Culvert	RND	1.1	CST	1.45	1.45	29.5	No	0.7	10.62	0	No	18	
997435	SR 20	147.07	Cabinet Cr	Granite Cr	4.2376	Culvert	ELL	1.1	CST	1.95	2.21	63.1	No	1.8	8.14	0	Yes		
995427	SR 20 Spur	49.07	Unnamed	Fidalgo Bay	3	Culvert	RND	1.1	CST	0.91	0.91	90	No	0	6.9	0	No	79	
995430	SR 20 Spur	50.48	Unnamed	Fidalgo Bay	3	Culvert	RND	1.1	OTH	0.91	0.91	97.7	No	0	5.9	0	Yes		
102 L062	SR 202	0.1	Little Bear Cr	Sammamish R	8.008	Culvert	BOX	1.1	PCC	3.05	1.83	43.6	No	0	0.06	67	Yes		
996917	SR 202	0.97	Unnamed	Sammamish R	8	Culvert	RND	1.1	OTH	0.61	0.61	24.2	No	0	1.2	67	No	152	
996921	SR 202	4.17	Unnamed	Sammamish R	8	Culvert	RND	1.1	CAL	0.84	0.84	16.8	No	0	2.8	67	Yes		
996925	SR 202	4.25	Unnamed	Sammamish R	8	Culvert	RND	1.1	PCC	0.91	0.91	55.2	No	0	3.3	33	Yes		
991181	SR 202	5.27	Unnamed	Sammamish R	8.0101	Culvert	RND	1.1	OTH	1.22	1.22	58.9	No	3.4	11.55	0	No	48	

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
990325	SR 202	13.22	Patterson Cr	Snoqualmie R	7.0376	Culvert	BOX	1.1	CPC	1.53	0.91	11.1	No	0	-0.5	67	Yes		
995194	SR 202	16.79	Unnamed	Patterson Cr	7	Culvert	RND	1.1	PCC	0.61	0.61	15.8	No	0	2.1	67	Yes		
991174	SR 202	19.69	Unnamed	Unnamed	7.0378	Culvert	BOX	1.2	CPC	1.22	0.65	12.9	No	0	0	67	Yes		
991174	SR 202	19.69	Unnamed	Unnamed	7.0378	Culvert	RND	2.2	PCC	0.46	0.46	16.5	No	0	1.2	67	Yes		
101S-22	SR 202	22.56	Unnamed	Snoqualmie R	7.0429	Culvert	BOX	1.1	CPC	1.86	1.54	29.8	No	0.22	4.8	33	Yes	630	6.47
101SA-06	SR 202	23.18	Skunk Cr	Mud Cr	7.0436	Culvert	BOX	1.1	CPC	1.2	0.6	30.1	No	0.1	2	33	Yes		
995200	SR 202	23.22	Unnamed	Skunk Cr	7	Culvert	RND	1.1	PCC	0.61	0.61	30.7	No	0	3.8	33	Yes		
995203	SR 202	28.76	Unnamed	SF Snoqualmie R	7	Culvert	RND	2.2	PCC	0.91	0.91	18.9	No	0	0.4	67	Yes		
995203	SR 202	28.76	Unnamed	SF Snoqualmie R	7	Culvert	RND	1.2	PCC	0.91	0.91	19.1	No	0	0.6	67	Yes		
996930	SR 202 ROW	1.03	Unnamed	Sammamish R	8	Culvert	RND	1.1	PCC	0.3	0.3	12.1	No	0	0.91	67	No	49	
101L-01	SR 203	3.97	Unnamed	Griffin Cr	7.0365	Culvert	RND	1.1	PCC	0.46	0.46	19.3	No	0.14	3	33	No	120	
991720	SR 203	4.37	Unnamed	Snoqualmie R	7	Culvert	RND	1.1	OTH	0.61	0.61	49.2	No	0	2.2	33	Yes		
995167	SR 203	7.26	Unnamed	Horseshoe Lk	7	Culvert	RND	1.1	OTH	0.61	0.61	23.6	No	0	3.9	33	Yes		
991716	SR 203	13.6	Unnamed	Snoqualmie R	07.0219A	Culvert	RND	1.1	PCC	1.22	1.22	45.4	No	0	1.4	67	Yes	421	10.96
995181	SR 203	14.1	Unnamed	Snoqualmie R	7	Culvert	RND	1.1	PCC	0.61	0.61	15.3	No	0	4.1	33	Yes		
995186	SR 203	18.48	Unnamed	Snoqualmie R	7.0238	Culvert	RND	1.1	PCC	0.91	0.91	52.5	No	0.05	2.8	33	No	167	
995137	SR 204	0.21	Unnamed	Unnamed	7	Culvert	RND	1.1	OTH	0.76	0.76	59	No	1.6	4.1	0	Yes	200	
995138	SR 204	0.54	Unnamed	Ebey Sl	7	Culvert	RND	1.1	PCC	1.3	1.3	67.2	No	0	6.3	33	Yes		
995141	SR 204	0.96	Unnamed	Ebey Sl	7	Culvert	RND	1.1	PCC	0.46	0.46	49.1	No	0.42	6.4	0	Yes	200	
995150	SR 204	1.19	Unnamed	Ebey Sl	7.0093	Culvert	RND	1.1	PCC	0.91	0.91	76.7	No	0.18	6.8	0	Yes		
995151	SR 204	1.64	Unnamed		7	Culvert	RND	1.1	PCC	0.46	0.46	31.7	No	0	2.3	33	No	51	
995152	SR 204	1.8	Unnamed	Ebey Sl	7	Culvert	RND	1.1	PCC	0.91	0.91	60.9	No	0	4.3	0	Yes		
998602	SR 405	21.94	Unnamed	Juanita Cr	8	Culvert	RND	1.1	CST	1.22	1.22	0.9	No	0.78		0	Unk		
991205	SR 410	23.83	Unnamed	Boise Cr	10	Culvert	RND	1.1	PCC	1.07	1.07	41.6	No	0	1.13	67	Yes		
991218	SR 410	27.25	Unnamed	Boise Cr	10	Culvert	RND	1.1	PCC	0.61	0.61	23.8	No	0.43	3	0	Yes		
990043	SR 410	27.44	Boise Cr	White R	10.0057	Culvert	BOX	2.2	PCC	1.83	1.83	32.6	No		1.28	67	Yes		
990043	SR 410	27.44	Boise Cr	White R	10.0057	Culvert	BOX	1.2	PCC	1.83	1.83	32.6	No	0	1.28	67	Yes		
996625	SR 410	35.29	Unnamed	White R	10	Culvert	RND	1.1	PCC	1.52	1.52	21.9	No	0	3.8	33	Yes		
990082	SR 410	35.77	Clay Cr	White R	10.0103	Culvert	BOX	1.1	PCC	1.83	1.83	38.4	No	6.1	14	0	Yes	668	19.52
990102	SR 410	36.49	Cyclone Cr	White R	10.0105	Culvert	BOX	1.1	PCC	2.44	2.44	28.6	No	0.12	9	0	Yes		
991219	SR 410	39.18	Unnamed	White R	10	Culvert	RND	1.1	PCC	0.76	0.76	16.4	No	0.36	4	0	No	36	
996661	SR 410	40.31	Unnamed	White R	10	Culvert	RND	1.1	PCC	0.61	0.61	15.3	No	0.21	8.9	0	No	102	
996662	SR 410	40.51	Unnamed	White R	10	Culvert	RND	1.1	PCC	0.76	0.76	21.3	No	0.67	1.2	0	No	48	
105 R022221a	SR 410	41.42	Unnamed	White R	10	Culvert	RND	1.1	PCC	0.91	0.91	14.4	No	0	5.3	67	Yes		
105 R071916a	SR 410	48.29	Boundary Cr	White R	10.025	Culvert	RND	1.1	PCC	1.22	1.22	29.6	No		2.4	33	Yes	596	7.55
996664	SR 410	48.94	Unnamed	Unnamed	10	Culvert	RND	1.1	PCC	0.61	0.61	22	No	0.7	7.8	0	Yes		
991012	SR 410	49.93	Unnamed	White R	10	Culvert	SQSH	1.1	CST	1.4	1.01	24.5	No	0.24	1.7	33	No	0	
996671	SR 410	53.01	Unnamed	White R	10	Culvert	SQSH	1.1	CST	1.05	0.83	28.2	No	0	3.9	67	Yes		
105 R072016a	SR 410	55.29	Dry Cr	White R	10	Culvert	BOX	1.1	CPC	1.54	1.54	25.8	No	3.5	5.5	0	Yes		
991016	SR 410	55.51	Unnamed	White R	10	Culvert	BOX	1.1	PCC	1.68	1.83	37.2	Unk	3.14	5.5	0	Yes		
105 R072018a	SR 410	59.57	Unnamed	White R	10	Culvert	RND	2.2	PCC	0.76	0.76	13	No	0	6.6	67	No	37	
105 R072018a	SR 410	59.57	Unnamed	White R	10	Culvert	RND	1.2	PCC	0.76	0.76	13	No	0	6.8	67	No	37	

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
996266	SR 509	9.18	Unnamed	Puget Sound	10	Culvert	RND	1.1	CST	0.76	0.76	40.1	No	0.64	2.9	0	Yes		
991651	SR 509	9.6	Unnamed	Puget Sound	10	Culvert	RND	2.2	PCC	0.76	0.76	75	No	0	4.4	33	No	166	
991651	SR 509	9.6	Unnamed	Puget Sound	10	Culvert	RND	1.2	PCC	0.76	0.76	75.1	No	0	4.3	33	No	166	
996270	SR 509	10.96	Lakota Cr	Puget Sound	10.0386	Culvert	RND	1.1	PCC	1.07	1.07	41.5	No	0.24	3.71	0	Yes		
996272	SR 509	11.43	Unnamed	Lakota Cr	10.0387	Culvert	RND	1.1	OTH	0.46	0.46	285.1	No	0.3	0.16	0	Yes		
991192	SR 509	13.49	Unnamed	Puget Sound	9.0385	Culvert	RND	1.1	CST	1.07	1.07	36.6	No	1.22	6.4	0	Yes		
997675	SR 509	14.23	Unnamed	Poverty Bay	9.0384	Culvert	RND	1.1	PCC	0.61	0.61	440	No	10		0	Yes		
990115	SR 509	20.35	Des Moines Cr	Puget Sound	9.0377	Culvert	BOX	1.1	CPC	1.22	1.83	72.5	No		2	33	Yes	3855	24.61
09.0377	2.12 SR 509	21.8	Des Moines Cr	Puget Sound	9.0377	Culvert	BOX	2.2	CPC	2.14	1.22	16.6	No	0.6	0.72	33	Yes		
09.0377	2.12 SR 509	21.8	Des Moines Cr	Puget Sound	9.0377	Culvert	BOX	1.2	CPC	2.14	1.22	16.7	No	0.6	0.54	33	Yes		
997679	SR 509	25.69	Miller Cr	Puget Sound	9.0371	Culvert	RND	1.2	SPS	1.83	1.83	0.9	No	0		67	Yes		
997679	SR 509	25.69	Miller Cr	Puget Sound	9.0371	Culvert	RND	2.2	SPS	1.83	1.83	0.9	No	0		67	Yes		
997678	SR 509	28.9	NF Hamm Cr	Duwamish R	9	Dam										0	No	70	
997681	SR 509	29.06	Lost Fork Hamm Cr	Duwamish R	9	Culvert	RND	1.1	CST	0.91	0.91	227	No	3.7		0	Yes		
997645	SR 515	3.97	Panther Cr	Springbrook Cr	9.0006	Culvert	RND	1.1	PCC	0.91	0.91	65.4	No	0	1.3	67	Yes		
994409	SR 515	7.08	Unnamed	Springbrook Cr	9	Culvert	SQSH	1.1	CST	1.6	1	430	Yes	0		0	Yes	1225	
991191	SR 516	0.41	Barnes Cr	Massey Cr	9.038	Culvert	RND	1.1	OTH	0.61	0.61	29.5	Yes	0	2.3	67	Yes		
997674	SR 516	1.28	Unnamed	Massey Cr	9	Culvert	RND	1.1	OTH	0.5	0.5	47.8	No	0	3.5	0	No	164	
997649	SR 516	2.98	Unnamed	Green R	9.0043	Culvert	RND	1.1	CST	0.91	0.91	111.6	No	0	7.51	0	Yes		
994459	SR 520	4.48	Unnamed	Lk Washington	8.0257	Culvert	RND	1.1	CST	1.52	1.52	58.4	No		3	33	Yes	2391	14.8
994117	SR 520	5.42	Unnamed	Lk Washington	8	Culvert	RND	1.1	CST	0.91	0.91	98.7	No	4.42	8.07	0	No	43	
994119	SR 520	5.81	Unnamed	Lk Washington	8	Culvert	RND	1.1	PCC	1.27	1.27	104	No	0	3.05	0	Yes	994	5.69
994236	SR 520	6.19	Yarrow Cr	Lk Washington	8.0252	Culvert	RND	1.2	PCC	1.07	1.07	78.7	No	0	0.34	67	Yes	4611	22.86
994236	SR 520	6.19	Yarrow Cr	Lk Washington	8.0252	Culvert	RND	2.2	CST	1.07	1.07	76.6	No	0	0.31	67	Yes	4611	22.86
994705	SR 520	6.44	Unnamed	Yarrow Cr	8	Culvert	RND	1.1	CST	0.91	0.91	112	No	1	3.9	0	Yes	708	5.24
990167	SR 520	7.9	WF Goff Cr	Goff Cr	8	Culvert	RND	2.2	CST	0.91	0.91	79.4	No	1.45	5.18	0	Yes		
990167	SR 520	7.9	WF Goff Cr	Goff Cr	8	Culvert	RND	1.2	CST	0.91	0.91	79.5	No	0.54	5.18	0	Yes		
994449	SR 520 EB ramp	6.03	Yarrow Cr	Lk Washington	8.0252	Culvert	RND	1.1	CST	1.22	1.22	62.4	No	0	0.42	67	Yes	5399	23.12
994238	SR 520 EB ramp	6.27	Yarrow Cr	Lk Washington	8.0252	Culvert	SQSH	1.1	CST	1.07	0.75	33.4	No	0	1.65	67	Yes	3355	22.7
994227	SR 520 WB ramp	5.95	Yarrow Cr	Lk Washington	8.0252	Culvert	RND	1.2	CST	1.22	1.22	29.8	No	0	0.57	67	Yes	5655	23.18
994227	SR 520 WB ramp	5.95	Yarrow Cr	Lk Washington	8.0252	Culvert	RND	2.2	CST	1.22	1.22	30.1	No	0.08	0.76	67	Yes	5655	23.18
994234	SR 520 WB ramp	5.95	Yarrow Cr	Lk Washington	8.0252	Culvert	RND	1.2	CST	1.22	1.22	38.2	No	0	0.34	67	Yes	5754	22.08
994234	SR 520 WB ramp	5.95	Yarrow Cr	Lk Washington	8.0252	Culvert	RND	2.2	CST	1.22	1.22	38.8	No	0	0.77	67	Yes	5754	22.08
990430	SR 522	2.86	Thornton Cr	Lk Washington	8.003	Culvert	BOX	1.1	CPC			0.9	No			67	Yes	11909	
990655	SR 522	6.63	Unnamed	Lk Washington	8.0056	Culvert	OTH	1.1	OTH	1.46	1.46	200.6	No	0.77	6	0	Yes	5185	18.94
996910	SR 522	11.59	Unnamed	Sammamish R	8	Culvert	RND	1.1	PCC	1.52	1.52	60.6	No	0	0.68	67	No	134	
996916	SR 522	12.86	Unnamed	Little Bear Cr	8	Culvert	RND	1.1	CST	1.14	1.14	196	No	0	1.2	0	Yes		
996912	SR 522	13.01	Unnamed	Little Bear Cr	8	Culvert	RND	1.1	CAL	1.07	1.07	70.4	No	0	1.63	33	No	0	
996913	SR 522	13.66	Unnamed	Little Bear Cr	8	Culvert	RND	1.1	PCC	0.61	0.61	54.6	Yes	0	3.86	0	Yes		
994430	SR 522	14.25	Howell Cr	Little Bear Cr	8.0082	Culvert	RND	1.2	OTH	0.46	0.46	55.6	No	0	5.8	0	Yes	500	2.37
994430	SR 522	14.25	Howell Cr	Little Bear Cr	8.0082	Culvert	RND	2.2	OTH	0.46	0.46	55.4	No	0	5.7	0	Yes	500	2.37
994432	SR 522	14.38	Unnamed	Little Bear Cr	8	Culvert	RND	1.1	PCC	0.46	0.46	56.5	Unk	0	5.9	33	No	83	

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
994440	SR 522	16.54	Unnamed	Crystal Lk	8	Culvert	RND	1.1	PCC	0.91	0.91	53.4	No	0	0.4	67	Yes		
992371	SR 522	17.48	Unnamed	Evans Cr	7.0211	Culvert	RND	1.1	PCC	0.76	0.76	55	No	0	0.21	33	Yes	393	6.11
992632	SR 522	17.82	Unnamed	Evans Cr	7.0211	Culvert	RND	1.1	PCC	0.91	0.91	88.1	No	0	0.5	67	Yes	1150	13.23
992378	SR 522	19.26	Anderson Cr	Evans Cr	7.0212	Culvert	RND	1.1	PCC	0.9	0.9	116	No	0.23	12	0	Yes	328	12.06
992381	SR 522	19.35	Unnamed	Anderson Cr	7	Culvert	RND	1.1	CST	0.91	0.91	84.3	No	0.8	22.7	0	Yes	603	7.37
992382	SR 522	19.44	Unnamed	Anderson Cr	7	Culvert	RND	1.1	CST	0.76	0.76	0.9	No	0	10	0	Yes	1250	1.79
992383	SR 522	19.57	Unnamed	Anderson Cr	7	Culvert	RND	1.1	CST	0.91	0.91	90.8	No	0	15.7	0	Yes	291	1.55
990139	SR 522	20.21	Elliott Cr	Snohomish R	7.0214	Culvert	RND	1.1	PCC	0.9	0.9	117	No	0	4	0	Yes	2294	15.78
994128	SR 522	21.95	Unnamed	Skykomish R	7.0814	Culvert	RND	1.1	CST	0.61	0.61	46.7	Unk	0	0.72	67	Yes	1450	15.87
994125	SR 522	21.97	Unnamed	Skykomish R	7.0814	Culvert	RND	1.1	CST	0.76	0.76	48.3	Yes	0	1.72	67	No	119	8.24
996880	SR 522 ROW	12.86	Unnamed	Little Bear Cr	8	Culvert	RND	1.1	PCC	1.22	1.22	29.2	No	0	0.48	67	Yes		
996915	SR 523	1.24	Unnamed	Thornton Cr	8	Culvert	RND	1.1	PCC	0.76	0.76	41.4	No	0.12	2.03	0	Yes		
996459	SR 524	0.99	Whistle Cr	Little Bear Cr	8	Culvert	RND	1.1	CST	0.62	0.62	23	No	1.1	1.96	0	Unk		
993103	SR 524	3.89	Scriber Cr	Swamp Cr	8.0061	Culvert	SQSH	1.2	CST	1.8	1.1	40.9	No	0.02	0.42	33	Yes	1698	9.92
993103	SR 524	3.89	Scriber Cr	Swamp Cr	8.0061	Culvert	SQSH	2.2	CST	1.8	1.1	39.9	No	0	0.48	33	Yes	1698	9.92
992846	SR 524	5.54	Golde Cr	Scriber Cr	8.0062	Culvert	RND	1.1	PCC	0.91	0.91	4.7	No	0.61	1.2	0	Yes	450	10.8
993100	SR 524	6.95	Martha Cr	Swamp Cr	8	Culvert	RND	1.1	OTH	0.91	0.91	0.9	No	0		0	Yes	2500	13.8
991053	SR 524	8.06	Unnamed	North Cr	8	Culvert	RND	1.1	PCC	0.46	0.46	29	No	0.15	2.6	0	Unk		
991641	SR 524	9.1	Unnamed	North Cr	8	Culvert	RND	1.1	PCC	0.46	0.46	14.9	No	0.06	2.9	0	Yes	1147	12.28
996461	SR 524	12.07	Unnamed	Little Bear Cr	8	Culvert	RND	1.1	CST	0.46	0.46	20	No	0	3.59	0	Unk		
996460	SR 524	14.28	Unnamed		8	Culvert	RND	1.1	PCC	0.61	0.61	19	No	0	2.1	67	Unk		
994124	SR 524	14.38	Unnamed	Crystal Lk	8	Culvert	RND	1.2	PCC	0.46	0.46	41	No	0	2.17	33	Unk		
994124	SR 524	14.38	Unnamed	Crystal Lk	8	Culvert	RND	2.2	PCC	0.46	0.46	41.1	No	0	2.2	33	Unk		
994123	SR 524	14.52	Unnamed	Crystal Lk	8	Culvert	RND	1.1	PCC	0.91	0.91	31.8	No	0	1.23	67	Yes		
996205	SR 524 SP 3	0.3	Shelleberger Cr	Puget Sound	8.001	Culvert	RND	1.1	PCC	0.76	0.76	32.9	No	0.2	1.8	33	Yes		
993121	SR 524	0.99	Martha Cr	Swamp Cr	8	Culvert	RND	1.1	PCC	0.91	0.91	7.2	No	0	0.65	67	Yes	2592	11.76
993122	SR 524	0.99	Martha Cr	Swamp Cr	8	Culvert	RND	1.1	PCC	0.91	0.91	6.9	No	0	1.01	67	Yes	2659	11.97
991176	SR 525	1.1	Unnamed	Swamp Cr	8	Culvert	RND	1.1	CST	0.91	0.91	53.1	No	0	5.35	0	Yes		
991054	SR 525	2.05	Unnamed	Swamp Cr	8.0065	Culvert	RND	1.1	OTH	0.61	0.61	86.1	No	0	4.2	0	Yes		
996188	SR 525	7.82	Unnamed	Possession Bay	8	Culvert	RND	1.1	PCC	0.61	0.61	57.9	No	0.6	22.4	0	No	163	
995994	SR 525	9.14	Clinton Cr	Puget Sound	6	Culvert	OTH	1.1	CST	0.61	0.61	0.9	No	2.3		0	Yes		
995986	SR 525	9.54	Clinton Cr	Puget Sound	6	Culvert	RND	1.1	OTH	0.61	0.61	41	No	0.17	4.7	0	Yes		
995984	SR 525	9.7	Clinton Cr	Puget Sound	6	Culvert	RND	1.1	PCC	0.61	0.61	27	No	0.7	0.44	0	Yes		
995988	SR 525	10.02	Clinton Cr	Puget Sound	6	Culvert	RND	1.1	PCC	0.61	0.61	37	No	0	1.16	67	No	81	
995127	SR 526	2.96	Merrill and Ring Cr	Possession Sound	7.1725	Culvert	RND	1.1	CST	1.07	1.07	161.6	No	0	5.3	33	No	96	
991187	SR 527	0.58	Unnamed	Sammamish R	8	Culvert	BOX	1.1	CPC	1.35	0.95	11.8	No	0	2.1	67	Yes		
996177	SR 527	0.82	Unnamed	Unnamed	8	Culvert	RND	1.1	PCC	0.61	0.61	17	No	0	3.1	33	Yes		
996178	SR 527	1.37	Unnamed	Sammamish R	8	Culvert	BOX	1.1	CPC	2.45	1	17.5	No	0	3.26	0	Yes		
993084	SR 527	2.78	Unnamed	North R	8	Culvert	RND	1.1	CST	1.22	1.22	66	No	0.15	1.5	33	Yes	616	8.93
08.0077	0.20 SR 527	6.57	Penny Cr	North Cr	8.0077	Culvert	BOX	1.1	PCC	1.22	1.22	44	Unk	0.22		33	Yes	8047	
990294	SR 528	2.47	Munson Cr	Allen Cr	7.0073	Culvert	SQSH	1.1	CST	1.39	0.97	22.9	No		-0.4	67	Yes		
CC1	SR 530	0.99	Murphy Cr	Sauk R	4.1112	Culvert	SQSH	1.2	CST	3.5	2.5	20	No	0	6	Unk	Unk		

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
CC1	SR 530	0.99	Murphy Cr	Sauk R	4.1112	Culvert	SQSH	2.2	CST	3.5	2.5	20	No	0	6	Unk	Unk		
CC2	SR 530	0.99	Goodman Cr	Sauk R	4.1113	Culvert	RND	1.1	CST	4	4	30	No	2	8	Unk	Unk		
CC3	SR 530	0.99	Dutch Cr	Sauk R	4.1114	Culvert	RND	1.1	CST	1.9	1.9	40	No	1.1	7	Unk	Unk		
990574	SR 530	23.98	Unnamed	NF Stillaguamish R	5.0136	Culvert	RND	1.1	CST	0.91	0.91	51.8	No	0.2	3	0	No	0	
990627	SR 530	24.29	Unnamed	NF Stillaguamish R	5	Culvert	RND	1.1	SST	1.52	1.52	3	No	0.61	6	0	No		
991159	SR 530	24.65	Unnamed	Stillaguamish R	5.0137	Culvert	RND	1.1	PCC	1.22	1.22	56.4	No	0.3	2.5	0	Yes	4520	18.6
990629	SR 530	25.74	Unnamed	Trafton Cr	5.0148	Culvert	RND	1.1	PCC	0.46	0.46	20.5	No	0	4.34	33	Yes		
996092	SR 530	25.88	Unnamed	Trafton Cr	5.0148	Culvert	RND	1.1	PCC	0.61	0.61	20.4	No	0.16	5.15	0	Yes		
990628	SR 530	26.29	Unnamed	Unnamed	5	Culvert	RND	1.1	PCC	0.46	0.46	23.1	No	0	1.65	67	Yes		
991161	SR 530	26.4	Unnamed	Unnamed	5	Culvert	RND	1.1	PCC	0.46	0.46	25.3	No	0	2.29	33	No	169	
990631	SR 530	26.7	Unnamed	Trafton Cr	5.0147	Culvert	RND	1.1	PCC	0.76	0.76	24.5	No	0.27	4.9	0	Yes		
990633	SR 530	26.87	Unnamed	NF Stillaguamish R	5.0151	Culvert	RND	1.1	PCC	0.91	0.91	24	No	0.33	2.17	0	Yes		
990630	SR 530	27.46	Unnamed	NF Stillaguamish R	5.015	Culvert	RND	1.1	PCC	0.76	0.76	16.9	No	1.38	2.9	0	Yes		
990634	SR 530	27.66	Unnamed	NF Stillaguamish R	05.0152X	Culvert	RND	1.1	PCC	0.46	0.46	17.1	No	0	1.46	67	No	44	
990361	SR 530	27.75	Ryan Falls Cr	Stillaguamish R	5.0152	Culvert	RND	1.1	CST	1.43	1.43	23.8	No	0.18	1.5	33	No	40	
990644	SR 530	31.01	Unnamed	NF Stillaguamish R	5	Culvert	RND	1.1	CAL	1.22	1.22	19.5	No		0	67	Yes	1296	14.38
991164	SR 530	32.51	Unnamed	Stillaguamish R	5	Culvert	RND	1.1	PVC	0.46	0.46	21.3	No	0	2.02	67	No	164	
990639	SR 530	34.3	Unnamed	NF Stillaguamish R	5	Culvert	RND	1.1	PCC	0.61	0.61	22.9	No	0	2	33	Yes		
990640	SR 530	35.24	Unnamed	Montaque Cr	05.0217X	Culvert	RND	1.1	PCC	0.46	0.46	10.4	No	0	4.04	67	Yes		
995402	SR 530	36.67	Unnamed	NF Stillaguamish R	5	Culvert	RND	1.1	OTH	0.46	0.46	23.8	No	0.77	9.7	0	No	111	
995404	SR 530	36.83	Unnamed	NF Stillaguamish R	5	Culvert	RND	1.1	PCC	0.3	0.3	23	Unk	0	1.2	67	No	70	
990650	SR 530	38.6	Unnamed	NF Stillaguamish R	5	Culvert	RND	1.1	PCC	0.61	0.61	0.9	Unk	0	1	67	No	76	
990246	SR 530	42.14	Little French Cr	Fortson Cr	5.0253	Culvert	RND	1.2	PCC	1.22	1.22	47.5	Unk	2.29	1	0	Yes	996	12.47
990246	SR 530	42.14	Little French Cr	Fortson Cr	5.0253	Culvert	RND	2.2	PCC	1.22	1.22	47.5	Unk		5	0	Yes	996	12.47
990151	SR 530	42.99	Fortson Cr	NF Stillaguamish R	5.0254	Culvert	SQSH	1.1	CST	1.52	0.91	30.5	No	1.13	1.5	0	Yes	1030	15.37
990652	SR 530	43.34	Unnamed	Fortson Ponds	5	Culvert	RND	1.1	PCC	0.76	0.76	25.2	No	0	2.22	67	Yes		
991154	SR 530	55.07	Hatchery Cr	Sauk R	4.1062	Culvert	BOX	1.1	PCC	3.7	1.8	19.4	No	0.1	0	67	Yes	351	
997712	SR 530	64.41	Unnamed	Hilt Cr	4	Culvert	RND	1.1	CAL	0.61	0.61	18.1	No	1.57	2.4	0	No	30	
991751	SR 531	3.8	Cougar Cr	Fish Cr	5.0041	Culvert	RND	1.1	OTH	0.76	0.76	26.1	No	0	2.1	67	Yes		
991059	SR 531	8.71	Unnamed	MF Quilceda Cr	7.006	Culvert	RND	1.1	CST	0.76	0.76	17.1	No		1.2	67	Yes		
05.0018 2.00	SR 532	6.14	Church Cr	Stillaguamish R	5.0018	Culvert	BOX	1.1	CPC	1.83	2.44	51.2	Unk		0.5	67	Yes	27681	46.41
990080	SR 532	6.68	Unnamed	Church Cr	5.002	Culvert	RND	1.1	CST	0.61	0.61	68.7	No	0.65	2.77	0	Yes		
990890	SR 532	8.71	Unnamed	Sunday Lk	5.0061	Culvert	RND	1.1	CST	0.76	0.76	54.1	No	0	2.8	67	Yes		
990624	SR 532	9.75	Unnamed	Pilchuck Cr	5.0065	Culvert	RND	1.1	PCC	1.22	1.22	61	No	0	0.67	33	Yes	4570	31.55
CR2	SR 534	0.53	Unnamed	Carpenter Cr	3	Culvert	RND	1.1	PCC	0.91	0.91	10.9	No	0	2.1	67	Yes		
995265	SR 534	0.6	Unnamed	Carpenter Cr	3	Culvert	RND	1.1	CST	0.76	0.76	67.7	No	0.25	2.7	0	Yes		
992987	SR 539	0.04	SF Baker Cr	Baker Cr	1.0553	Culvert	SQSH	1.1	CST	2.39	1.75	124.9	No	0	0.5	33	Yes		
990015	SR 539	0.3	Spring Cr	Baker Cr	1.0556	Culvert	RND	1.2	CST	1.22	1.22	30	No	0.25		33	Yes	7868	33.8
990015	SR 539	0.3	Spring Cr	Baker Cr	1.0556	Culvert	RND	2.2	CST	1.22	1.22	30	No	0.25		33	Yes	7868	33.8
991973	SR 539	0.3	Baker Cr	Squalicum Cr	1.0553	Culvert	RND	1.1	OTH	0.91	0.91	54.3	No	0.05		0	Yes	792	7.17
990112	SR 539	4.3	Deer Cr	Tenmile Cr	1.0165	Culvert	BOX	1.1	PCC	1.22	1.37	14.6	Unk	0	2	33	Yes	7609	31.44
991473	SR 539	11.08	Unnamed	Unnamed	1	Culvert	RND	2.2	PCC	1.22	1.22	17.1	No	0.46	1.5	0	Yes		

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
991473	SR 539	11.08	Unnamed	Unnamed to	1	Culvert	RND	1.2	PCC	1.22	1.22	17.1	No	0.21	1.5	0	Yes		
991803	SR 542	2.4	Toad Lk Cr	Squalicum Cr	1.056	Culvert	RND	1.1	PCC	1.55	1.55	62.5	Unk	0.3	2.5	0	Yes	1591	13.41
01.0228	4.80 SR 542	6.55	Anderson Cr	Nooksack R	1.0228	Culvert	BOX	1.2	CPC	2.44	2.44		Unk			67	Yes	5633	
01.0228	4.80 SR 542	6.55	Anderson Cr	Nooksack R	1.0228	Culvert	BOX	2.2	CPC				Unk			67	Yes	5633	
991111	SR 542	13.48	Unnamed	Nooksack R	1	Culvert	RND	3.3	PCC	0.61	0.61	29.7	No	0		67	Unk		
991111	SR 542	13.48	Unnamed	Nooksack R	1	Culvert	RND	2.3	PCC	1.09	1.09	26.8	No	0.15	1	67	Unk		
991111	SR 542	13.48	Unnamed	Nooksack R	1	Culvert	RND	1.3	PCC	1.09	1.09	26.8	No	0.15	1	67	Unk		
990582	SR 542	14.07	Unnamed	Nooksack R	1	Culvert	RND	1.1	PCC	0.7	0.7	40.8	Unk	0	3	0	No	98	
990584	SR 542	15.05	Unnamed	Nooksack R	1	Culvert	RND	1.1	OTH	0.61	0.61	23.6	No	0	1.86	67	Yes	228	
990585	SR 542	15.08	Unnamed	NF Nooksack R	1	Culvert	RND	1.1	OTH	0.76	0.76	19.2	No	0	4	33	Yes		
991060	SR 542	16.07	Unnamed	Nooksack R	1	Culvert	RND	1.1	PCC	0.91	0.91	13.3	No	0.6	1	0	No	188	
995776	SR 542	16.21	Unnamed	Unnamed	1	Culvert	RND	1.1	PCC	0.76	0.76	43.1	No	0	6.3	0	No	104	
991107	SR 542	16.28	Unnamed	Nooksack R	1.0337	Culvert	RND	1.1	PCC	1.07	1.07	30.5	No	0	3	33	No	115	
995777	SR 542	17.38	Unnamed	NF Nooksack R	1	Culvert	RND	1.1	PCC	0.61	0.61	27.6	No	1.8	8	0	Yes		
990589	SR 542	17.85	Unnamed	NF Nooksack R	1	Culvert	RND	1.1	PCC	0.91	0.91	30.5	No	0.7	6.9	0	No	90	
991705	SR 542	21.45	Unnamed	Kendall Cr	1	Culvert	SQSH	1.1	CST	1.06	0.7	11.3	No	0.36	2.7	33	Yes		
991108	SR 542	23.94	Unnamed	High Cr	1.0408	Culvert	RND	2.2	CST	0.61	0.61	12.5	Unk	0.09	4	0	Unk		
991108	SR 542	23.94	Unnamed	High Cr	1.0408	Culvert	RND	1.2	CST	0.61	0.61	12.5	Unk	0.21	3.5	0	Unk		
991113	SR 542	23.95	Unnamed	High Cr	1	Culvert	RND	1.2	CST	0.61	0.61	19.8	No	0	3.6	0	Yes		
991113	SR 542	23.95	Unnamed	High Cr	1	Culvert	RND	2.2	CST	0.61	0.61	19.9	No	0.3	3.1	0	Yes		
995770	SR 542	24.25	Unnamed	High Cr	1	Culvert	RND	1.1	CST	0.91	0.91	24.4	No	0.3	0.8	33	Yes		
990577	SR 542	24.49	Unnamed	High Cr	1	Culvert	RND	1.1	CST	0.61	0.61	16.5	No	0.3	0.7	67	Yes		
991621	SR 542	24.9	High Cr	Kendall Cr	1.0407	Culvert	RND	1.1	CST	1.89	1.89	15.2	No	0	1.5	33	Yes	3882	21.37
991640	SR 542	27.21	Unnamed	Nooksack R	1	Culvert	RND	1.1	PCC	0.61	0.61	19.8	No	0.55	2	33	Yes		
990046	SR 542	28.01	Bruce Cr	Nooksack R	1	Culvert	RND	1.1	PCC	1.07	1.07	17.2	Yes	0	2.6	67	Yes		
990023	SR 542	28.74	Baptist Camp Cr	NF Nooksack R	1.0433	Culvert	RND	1.1	PCC	0.45	0.45	12.5	No	0.11	2.7	67	Yes	512	8.36
995409	SR 542	28.87	Unnamed	NF Nooksack R	1	Culvert	RND	1.1	PCC	0.76	0.76	18	No	0	11.1	0	Yes	300	8.41
990580	SR 542	29.02	Unnamed	NF Nooksack R	1	Culvert	RND	1.1	PCC	0.61	0.61	63.5	No	0	10.8	0	No	108	
990596	SR 542	29.91	Unnamed	NF Nooksack R	1	Culvert	RND	1.1	PCC	0.3	0.3	0.9	No	0.66	6.1	0	No		
990187	SR 542	32	Hedrick Cr	Nooksack R	1.0463	Culvert	BOX	1.2	PCC	1.83	1.83	24.4	Unk	0	3.5	0	Yes	551	16.63
990187	SR 542	32	Hedrick Cr	Nooksack R	1.0463	Culvert	BOX	2.2	PCC	1.83	1.83	24.4	Unk	0	3.5	0	Yes	551	16.63
990602	SR 542	34.49	Unnamed	NF Nooksack R	1	Culvert	RND	1.1	PCC	0.76	0.76	19.8	Unk	0.91	2	0	Yes		
995413	SR 542	35.55	Unnamed	NF Nooksack R	1	Culvert	RND	1.1	CST	0.46	0.46	17.9	No	1.2	12.2	0	No	88	
990603	SR 542	36.61	Lookout Cr	NF Nooksack R	1	Culvert	RND	1.1	CST	1.22	1.22	25	No	1.1	7	0	Yes		
990604	SR 542	38.15	Deerhorn Cr	NF Nooksack R	1	Culvert	RND	2.2	CST	1.83	1.83	23.8	No	1	7.4	0	No	172	9.02
990604	SR 542	38.15	Deerhorn Cr	NF Nooksack R	1	Culvert	RND	1.2	CST	1.83	1.83	23.8	No	0.9	7.3	0	No	172	9.02
990605	SR 542	38.38	Unnamed	NF Nooksack R	1	Culvert	RND	1.1	CST	0.91	0.91	18.3	No	0.91	7	0	Yes	216	
995561	SR 542	38.86	Unnamed	NF Nooksack R	1	Culvert	RND	1.1	PCC	0.46	0.46	18.3	No	0.4	8.4	0	No	38	
990606	SR 542	38.98	Chain-up Cr	NF Nooksack R	1	Culvert	RND	1.1	PCC	1.66	1.66	24.6	No	0.3	10.9	0	Yes	306	17.41
995567	SR 542	40.77	Unnamed	NF Nooksack R	1	Culvert	BOX	1.1	CPC	1.84	1.84	23.9	No	1.1	15.3	0	No	38	
995571	SR 542	42.13	Unnamed	NF Nooksack R	1	Culvert	RND	1.1	PVC	0.91	0.91	18.1	No	0.04	3.7	67	No	64	
995577	SR 542	43.52	Unnamed	NF Nooksack R	1	Culvert	BOX	2.2	CPC	1.84	1.84	16.1	Yes	0.08	1.07	67	Yes		

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
995577	SR 542	43.52	Unnamed	NF Nooksack R	1	Culvert	BOX	1.2	CPC	1.84	1.84	16.1	No	0.08	1.07	67	Yes		
995585	SR 542	46.11	Unnamed	NF Nooksack R	1	Culvert	BOX	2.2	CPC	1.83	1.23	12.2	No	0	1.6	67	Yes		
995585	SR 542	46.11	Unnamed	NF Nooksack R	1	Culvert	BOX	1.2	CPC	1.83	1.23	12.2	No	0	2.3	67	Yes		
995439	SR 542	49.44	Unnamed	Unnamed	1	Culvert	RND	1.1	OTH	0.61	0.61	29.5	No	1.5	10	0	Yes		
995695	SR 542	49.74	Unnamed	Unnamed	1	Culvert	RND	1.1	PVC	0.61	0.61	14.7	No	0	10.9	0	No	95	
995443	SR 542	53.05	Unnamed	Unnamed	1	Culvert	RND	1.1	PCC	0.61	0.61	14.2	No	0	4.4	67	No	153	
995774	SR 547	6.71	Unnamed	Saar Cr	1	Culvert	RND	1.1	PCC	0.61	0.61	39.1	No	0	1.33	33	Yes		
996007	SR 548	1.14	Unnamed	Unnamed	1	Culvert	RND	1.1	PCC	0.61	0.61	23.4	No	0	1.97	67	Yes		
996008	SR 548	1.24	Unnamed	California Cr	1.0079	Culvert	RND	1.1	PCC	0.61	0.61	26.1	No	0.2	2.03	33	Yes	1574	10.64
996142	SR 548	4.27	Unnamed	Fingleson Cr	1	Culvert	RND	1.1	PCC	0.61	0.61	22.2	No	0.4	2.4	0	Yes		
990429	SR 548	4.67	Terrell Cr	Birch Bay	1.0089	Culvert	RND	1.1	PCC	1.83	1.83	40.8	No	0.5	2.5	0	Yes	11313	31.43
981788	SR 548	6.35	Terrell Cr	Birch Bay	1.0089	Culvert	RND	1.1	SPS	3.81	3.81	35.2	No	0.6	1.08	0	Yes	18167	46.82
996153	SR 548	10.55	Unnamed	California Cr	1.0047	Culvert	RND	1.2	PCC	0.61	0.61	17.7	No	0	2.6	67	Yes		
996153	SR 548	10.55	Unnamed	California Cr	1.0047	Culvert	RND	2.2	SST	0.91	0.91	18	No	0	3.39	67	Yes		
995982	SR 9	10.61	Cemetery Cr	Unnamed	7.0118	Culvert	RND	1.1	CST	0.61	0.61	45.3	No	0.28	0.77	33	Unk		
991814	SR 9	18.79	Unnamed	Lk Stevens	7.0149	Culvert	RND	1.1	OTH	0.61	0.61	87.7	Unk	0	1.4	0	No	135	
995084	SR 9	22.72	Unnamed	Quilceda Cr	7	Culvert	RND	1.1	PCC	0.46	0.46	26	No	0	2.1	33	Yes		
102 Q028	SR 9	24.44	Unnamed	MF Quilceda Cr	7	Culvert	RND	1.1	PCC	1.52	1.52	51.9	No	0.23	1.2	67	Yes		
995082	SR 9	25.75	Unnamed	Unnamed	7	Culvert	RND	1.1	PCC	0.91	0.91	35.2	No	0.5	0.85	0	Yes		
990255	SR 9	27.25	Unnamed	Portage Cr	5.0058	Culvert	RND	1.1	PCC	1.22	1.22	23.9	No	0	5.5	33	Yes		
996079	SR 9	27.94	Unnamed	Unnamed	5	Culvert	RND	1.1	PCC	0.61	0.61	58.6	No	0	1.53	67	Yes	205	
990019	SR 9	31.06	Armstrong Cr	Stillaguamish R	5.0126	Culvert	BOX	1.1	PCC	1.85	1.96	18.8	Yes	0	1.06	67	Yes		
996085	SR 9	36.95	Unnamed	Unnamed	5	Culvert	RND	1.1	PCC	0.31	0.31	13.5	No	0.67	8.14	0	No	38	
LP19	SR 9	37.26	Unnamed	Unnamed	5	Culvert	RND	1.1	OTH	0.61	0.61	31.8	No	0	12.33	0	No	75	
996088	SR 9	38.14	Unnamed	Unnamed	5	Culvert	RND	1.1	PCC	0.61	0.61	11.6	No	0.33	5.61	0	No	52	
996089	SR 9	38.27	Unnamed	Unnamed	5	Culvert	RND	1.1	PVC	0.61	0.61	14.3	No	0.18	3.64	0	No	111	
LP31	SR 9	38.64	Unnamed	Unnamed	5	Culvert	RND	1.1	CST	0.46	0.46	14	No	0	2.14	67	No	30	
LP32	SR 9	38.69	Unnamed	Unnamed	5	Culvert	RND	1.1	PCC	0.76	0.76	11.4	No	0	4.3	33	Yes		
NC158	SR 9	39.16	Unnamed	Lk McMurray	3	Culvert	RND	1.1	PCC	0.46	0.46	23.7	No	0.35	9.4	0	Yes		
995275	SR 9	39.51	Unnamed	Lk McMurray	3	Culvert	RND	1.1	PVC	0.61	0.61	18.5	No	0.1	17.3	0	No	140	
NC180	SR 9	39.69	Unnamed	Lk McMurray	3	Culvert	RND	1.1	PCC	1.07	1.07	15.7	No	0.35	8.6	33	Yes		
NC170	SR 9	39.87	Unnamed	Lk McMurray	3	Culvert	RND	1.1	CST	0.91	0.91	25.7	No	0	3	33	Yes		
990641	SR 9	40.09	Unnamed	Lk McMurray	3	Culvert	RND	1.1	PCC	0.91	0.91	12.5	No	0	1.9	67	Yes		
NC166	SR 9	40.77	Unnamed	Lk McMurray	3	Culvert	RND	1.1	CAL	1.22	1.22	15.1	No	0.05	6.8	33	Yes		
990091	SR 9	41.04	Norway Park Cr	Lk Mc Murray	3.0265	Culvert	RND	1.1	CST	0.76	0.76	44.6	No	0	2.8	33	Yes	1115	11.55
991451	SR 9	41.5	Unnamed	Lake Cr	3.0264	Culvert	RND	1.1	CST	1.21	1.21	16.2	No	0	4.3	33	No	104	
991120	SR 9	42.36	Lake Cr	Skagit R	3.0227	Culvert	RND	1.1	CST	1.91	1.91	17.4	No	0	-0.57	67	Yes		
NC163	SR 9	43.08	Unnamed	Lake Cr	3	Culvert	RND	1.1	CST	0.91	0.91	12	No	0	2.2	67	Yes		
991122	SR 9	48	Gribble Cr	WF Nookachamps Cr	3.0227	Culvert	RND	1.1	PCC	1.22	1.22	21.1	No	0.06	1.7	33	Yes	4291	21.92
NC69	SR 9	49	Unnamed	WF Nookachamps Cr	3	Culvert	BOX	1.1	CPC	1.22	1.55	11.1	No	0	4.7	67	Yes		
HC53	SR 9	59.08	Unnamed	Unnamed	3	Culvert	RND	1.1	PCC	0.61	0.61	11.9	No	0	3.6	33	Yes		
SR67	SR 9	64.45	Unnamed	Samish R	3	Culvert	RND	1.1	OTH	1.14	1.14	15.9	No	0	3.7	33	Yes	199	

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
995390	SR 9	64.93	Unnamed	Samish R	3	Culvert	RND	1.2	CST	0.61	0.61	16.2	No	0.4	6.4	0	No	44	
995390	SR 9	64.93	Unnamed	Samish R	3	Culvert	RND	2.2	CST	0.76	0.76	15.9	No	0.55	4.2	0	No	44	
991136	SR 9	65.07	Unnamed	Samish R	3	Culvert	RND	1.1	PCC	1.22	1.22	13.7	Yes	0	2.9	0	No	122	
991447	SR 9	66.85	Unnamed	Samish R	3	Culvert	RND	1.1	PCC	0.91	0.91	11.1	No	0.15	2.7	67	Yes		
991448	SR 9	67.33	Unnamed	Samish R	3.0078	Culvert	BOX	1.1	CPC	2.45	1.57	11.8	No	0	5.5	33	Yes		
995392	SR 9	67.46	Unnamed	Samish R	3	Culvert	RND	1.1	PCC	0.61	0.61	31.5	Yes	0	8.8	0	No	83	
995395	SR 9	69.1	Unnamed	Samish R	3	Culvert	RND	1.1	PCC	0.76	0.76	23.3	No	0.29	5.6	0	No	120	
995396	SR 9	69.15	Unnamed	Samish R	3	Culvert	RND	1.1	PCC	0.76	0.76	22.8	No	0.72	3.3	0	No	173	
995398	SR 9	69.88	Unnamed	Samish R	3	Culvert	RND	1.1	PCC	0.61	0.61	29.8	No	0	6	0	Yes		
991106	SR 9	70.6	Unnamed	Samish R	3	Culvert	RND	1.1	OTH	0.76	0.76	13.7	No	0.55	6	0	Yes		
995780	SR 9	70.81	Unnamed	SF Nooksack R	1.0263	Culvert	RND	1.2	PCC	0.91	0.91	26.8	No	0	8	33	No	154	
995780	SR 9	70.81	Unnamed	SF Nooksack R	1.0263	Culvert	RND	2.2	PCC	0.91	0.91	26.4	No	0	7.6	33	No	154	
995783	SR 9	71.54	Unnamed	SF Nooksack R	1	Culvert	RND	1.1	PCC	0.76	0.76	17.6	No	0.14	2.9	67	No	81	
992344	SR 9	76.91	Unnamed	Black Sl	1	Culvert	RND	1.1	PCC	0.61	0.61	35.2	No	0.05	2.47	0	Yes	665	11.83
992345	SR 9	77.12	Unnamed	Black Sl	1	Culvert	RND	1.1	PCC	0.7	0.7	18.4	No	0	0.04	67	Yes	643	8.37
992350	SR 9	77.43	Unnamed	Unnamed	1	Culvert	RND	1.1	PCC	0.7	0.7	10.7	No	0.17	0.06	67	Yes	1400	12.91
992356	SR 9	77.99	Unnamed	SF Nooksack R	1.0247	Culvert	RND	1.1	PCC	0.9	0.9	14.5	No		0.3	67	Yes		
991842	SR 900	15.86	Green Cr	May Cr	08.0291A	Culvert	BOX	1.1	PCC	1.22	0.91	13.7	No	0.21	1	0	Yes		
990432	SR 900	19.14	Unnamed	Tibbetts Cr	08.0169X	Culvert	RND	1.1	CST	0.61	0.61	12.3	No	0	2.28	67	No	125	
991185	SR 900	19.4	Unnamed	Tibbetts Cr	8.0174	Culvert	BOX	1.1	PCC	0.91	0.91	11.6	No	0.21	2	0	No	60	
991184	SR 900	20.09	Unnamed	Tibbetts Cr	8.0172	Culvert	BOX	1.1	PCC	0.91	1.22	11	Unk	0.3	1	33	Yes	200	9.49
991723	SR 900	20.34	Unnamed	Tibbetts Cr	8.0171	Culvert	BOX	1.1	PCC	0.94	1.52	10.7	No	2.26	3	0	Yes	650	12.47
996885	SR 908	5.33	Unnamed	Unnamed	8	Culvert	BOX	1.1	CPC	0.91	1.22	60.8	No	0.54	8.07	0	No	0	
996886	SR 908	5.4	Unnamed	Unnamed	8	Culvert	BOX	1.1	CPC	0.91	1.22	74.8	No	0.45	6.83	0	Yes		
996887	SR 908	5.69	Peter's Cr	Sammamish R	8.0104	Culvert	BOX	1.1	CPC	1.22	1.85	74.3	No	0	5.7	0	Yes	820	7.98
991827	SR 92	0.78	Unnamed	Lake Stevens	7.015	Culvert	RND	1.1	OTH	0.61	0.61	64.8	No	0	0.8	67	Yes		
07.0148	1.30 SR 92	1.93	Catherine Cr	Stevens Cr	7.0148	Culvert	BOX	1.1	CPC	2.44	3.66		Unk			67	Yes	7326	24.76
991830	SR 92	2.2	Unnamed	Catherine Cr	7	Culvert	RND	1.1	PCC	0.61	0.61	22.3	No	0.05	1.8	33	No	156	
995155	SR 92	7.78	Unnamed	Unnamed pond	7	Culvert	RND	1.1	CST	0.69	0.69	36.2	No	0.12	0.86	33	No	68	
102 N183	SR 96	0.47	North Cr	Sammamish R	8.007	Culvert	SQSH	1.1	CST	1.8	1.2	37	No	0	0.8	33	Yes	3976	32.09
995209	SR 96	4.04	Unnamed	Unnamed	7	Culvert	RND	1.1	PCC	0.61	0.61	25.2	No	0.35	3.4	0	No	57	
995214	SR 96	5.86	Unnamed	Snohomish R trib	7	Culvert	RND	1.1	PCC	0.46	0.46	17.6	No	0.56	5.5	0	Yes		
995215	SR 96	5.98	Unnamed	Unnamed	7.0123	Culvert	RND	1.1	PCC	0.76	0.76	16	No	0	2.9	33	Yes		
995216	SR 96	6.09	Unnamed	Unnamed	7.012	Culvert	BOX	1.1	CPC	1.35	0.93	15	No	1.15	1.2	0	Yes	265	
995217	SR 96	6.49	Unnamed	Unnamed	7	Culvert	RND	1.1	CST	0.91	0.91	24.9	No	2.15	2.13	0	Yes		
991210	SR 99	6.86	WF Hylebos Cr	Hylebos Cr	10.0014	Culvert	BOX	1.1	PCC	1.83	1.83	23.9	Unk		2.4	67	Yes	3364	37.46
995963	SR 99	22.33	Riverton Cr	Duwamish R	9	Culvert	BOX	1.1	CPC	0.91	0.97	34.4	No	0	7.5	0	Yes		
997684	SR 99	23.41	Unnamed	Duwamish R	9	Culvert	RND	1.1	PCC	1.52	1.52	49.3	No	0.58	4.3	0	Yes		
996216	SR 99	49.01	Unnamed	Lund's Gulch Cr	8	Culvert	RND	1.1	CAL	0.91	0.91	47.5	No	0	4.7	33	Yes		
993849	SR 99	51.45	Unnamed	Swamp Cr	8	Culvert	RND	1.1	CAL	0.76	0.76	175	Unk	0		0	Yes	620	14.79
993834	SR 99	52.7	Swamp Cr	Sammamish R	8.0059	Culvert	BOX	1.1	CPC	1.21	1.27	37.7	Unk	0	1.03	67	Yes	2919	17.15
102 N192	SR 99	54.23	North Cr	Sammamish R	8.007	Culvert	RND	1.1	OTH	0.76	0.76	73.2	No	0	0.26	33	Yes	518	21.31

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
995046	US 2	3.59	Unnamed	Unnamed	7	Culvert	RND	1.1	CST	0.91	0.91	94.6	No	0	12	0	No	143	
995108	US 2	12.94	Unnamed	French Cr	7.0193	Culvert	BOX	1.1	CPC	3.08	2.6	41	No	0.32	0.3	67	Yes	5295	8.71
101NORT-32	US 2	20.53	Unnamed	Unnamed	7	Culvert	RND	1.1	OTH	0.61	0.61	33.6	No	0	6	0	Unk		
101OWEN-02	US 2	21.75	Unnamed	Skykomish R	7	Culvert	RND	1.1	PCC	0.91	0.91	33.8	No	0.1	2	33	Yes	3176	16.55
07.0939 0.40	US 2	23.08	Wagleys Cr	Skykomish R	7.0939	Dam										33	Yes	15105	50.82
991822	US 2	34.35	Unnamed	Skykomish R	7	Culvert	RND	2.2	PCC	1.22	1.22	20.8	No	0	27	0	Yes		
991822	US 2	34.35	Unnamed	Skykomish R	7	Culvert	RND	1.2	PCC	1.22	1.22	20.9	No	0	27	0	Yes		
991825	US 2	36.73	Unnamed	SF Skykomish R	7	Culvert	RND	1.1	CST	1.07	1.07	79.3	No	0	14	0	No	121	
995058	US 2	44.23	Unnamed	SF Skykomish R	7	Culvert	RND	1.1	PCC	1.51	1.51	41	No	1.7	7	0	No	196	
995059	US 2	44.26	Unnamed	SF Skykomish R	7	Culvert	RND	1.1	PCC	1.22	1.22	25.4	No	0	8	33	No	0	
995000	US 2	45.47	Unnamed	SF Skykomish R	7.1298	Culvert	RND	1.1	PCC	1.22	1.22	19.5	No	0	1	67	Yes		
995060	US 2	47.75	Unnamed	SF Skykomish R	7	Culvert	RND	1.1	PCC	1.51	1.51	16	No	0	3.5	33	No	53	
995002	US 2	48.78	Unnamed	SF Skykomish R	7	Culvert	RND	1.1	OTH	0.46	0.46	70.6	No	0.16	6	0	No	0	
995020	US 2	48.94	Unnamed	SF Skykomish R	7	Culvert	RND	1.1	PCC	1.22	1.22	15.4	No	0.26	7.8	0	Yes		
995021	US 2	49.87	Unnamed	SF Skykomish R	7	Culvert	OTH	1.1	OTH	1.22	1.22	46.6	No	0.6	0.8	0	Unk		
995062	US 2	52.39	Unnamed	Tye R	7	Culvert	RND	1.1	CST	1.22	1.22	35.2	No	0	4	33	Yes	907	4.86
995063	US 2	52.47	Unnamed	Tye R	7	Culvert	RND	1.1	PCC	0.91	0.91	23.9	No	0	8.7	33	No	13	
995023	US 2	52.7	Unnamed	Tye R	7	Culvert	RND	1.1	PCC	1.22	1.22	17.7	No	0	6.3	33	Yes		
995024	US 2	52.75	Unnamed	Tye R	7	Culvert	RND	1.1	PCC	0.91	0.91	23	No	0	6	33	No	124	
995027	US 2	54.9	Unnamed	Tye R	7.1631	Culvert	BOX	1.1	CPC	2.17	1.85	28.8	No	0.32	1.5	33	No	182	
995031	US 2	56.19	Unnamed	Tye R	7	Culvert	RND	1.1	CST	0.91	0.91	29.2	No	0.19	22	0	No	46	

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
WSDOT North Central Region - NC																			
993416	SR 153	7.62	Squaw Cr	Methow R	48.0043	Culvert	BOX	1.1	CPC	1.22	1.22	27.6	No	1.35	0.76	0	Yes	6309	4.94
993423	SR 153	24.3	Leecher Canyon Cr	Methow R	48.0265	Culvert	RND	1.1	PCC	0.45	0.45	42	No	0		0	Yes	2553	3
998314	SR 155	53.96	Unnamed	Unnamed	50	Culvert	RND	1.1	CST	0.61	0.61	22.5	No	0	3.6	67	Yes		
993992	SR 155	60.76	Omak Cr	Okanogan R	49.0138	Culvert	RND	1.2	PCC	1.22	1.22	19.6	Yes	0	1.8	67	Yes	4285	6.47
993992	SR 155	60.76	Omak Cr	Okanogan R	49.0138	Culvert	RND	2.2	PCC	0.91	0.91	16.9	No	0.37	1.7	67	Yes	4285	6.47
993993	SR 155	60.92	Trail Cr	Omak Cr	49.0179	Culvert	RND	1.1	PCC	1.22	1.22	17.3	No	0	2.1	33	Yes	11310	9.42
993995	SR 155	62.41	Unnamed	Omak Cr	49.0173	Culvert	RND	1.1	PCC	0.91	0.91	33.6	No	0.2	5.86	0	Yes	1955	3.48
993997	SR 155	65.05	Clark Cr	Omak Cr	49.0165	Culvert	RND	1.1	CST	0.76	0.76	34.3	No	0.42	3.23	0	Yes		6.49
993998	SR 155	65.59	Swimptkin Cr	Omak Cr	49.016	Culvert	RND	1.1	CST	0.91	0.91	21.2	No	0.19	3.29	0	Yes		10.85
992845	SR 155	66.94	Stapaloop Cr	Omak Cr	49.0152	Culvert	RND	1.1	CST	1.9	1.9	45.5	No	0.46	2.3	33	Yes	20221	9.58
994008	SR 155	71.1	Haley Cr	Omak Cr	49.0143	Culvert	RND	1.1	CST	0.61	0.61	20.9	No	0	2.06	33	Unk		
990288	SR 155	75.81	Mission Cr	Omak Cr	49.0139	Culvert	BOX	1.1	CPC	2.45	2.45	42.9	No	1.02	9.2	0	Yes	8773	6.67
991582	SR 17	126.52	Unnamed	EF Foster Cr	50	Culvert	RND	1.1	OTH	1.22	1.22	31.3	No	0	2.9	0	Yes		
990153	SR 17	131.21	Unnamed	EF Foster Cr	50	Culvert	BOX	1.1	PCC	1.22	1.22	21.3	No	1.1	3.66	0	Yes		
990154	SR 17	132.05	Unnamed	EF Foster Cr	50	Culvert	BOX	1.1	PCC	1.22	1.22	23.6	No	0.28	2.54	0	Yes		
997831	SR 173	2.93	Dry Cr	Columbia R	50	Culvert	RND	1.1	SPS	3.05	3.05	73.4	No	5.2	5.77	0	No	141	
994050	SR 173	11.8	Swamp Cr	Columbia R	49.0002	Culvert	RND	2.2	CST	1.52	1.52	28.2	Yes	0.56	0.6	67	Yes		
994050	SR 173	11.8	Swamp Cr	Columbia R	49.0002	Culvert	RND	1.2	CST	1.52	1.52	28.1	No	0.37	0.8	67	Yes		
997436	SR 20	148.43	Unnamed	Granite Cr	4	Culvert	RND	1.1	CST	1.07	1.07	27.8	No	0.35	20.93	0	Yes	454	
997437	SR 20	149.42	Unnamed	Granite Cr	4	Culvert	RND	1.1	CST	0.99	0.99	44	No	0	13.95	0	Yes		
997438	SR 20	150.02	Unnamed Cr	Granite Cr	4	Culvert	RND	1.1	CST	1.14	1.14	26.9	No	0	10.88	0	Yes		
997439	SR 20	150.13	Unnamed	Unnamed	4	Culvert	RND	1.1	CST	1.07	1.07	36.3	No	1.5	5.76	0	Yes		
997441	SR 20	151.27	Unnamed	Granite Cr	4	Culvert	RND	1.1	CST	0.61	0.61	21.1	No	0.3	7.71	0	Yes		
997442	SR 20	151.66	Unnamed Cr	Granite Cr	4.2413	Culvert	RND	1.1	CST	0.91	0.91	24.5	No	0	5.13	33	Yes		
997443	SR 20	152.03	Unnamed	Granite Cr	4	Culvert	RND	1.1	CST	0.76	0.76	18.6	No	0	2.53	33	No	64	
997445	SR 20	152.46	Unnamed	Granite Cr	4	Culvert	RND	1.1	CST	0.91	0.91	26.7	No	1	8.74	0	No	120	
997448	SR 20	153.71	Swamp Cr	Granite Cr	4.2429	Culvert	ELL	1.1	CST	2.55	2.97	35.7	No	1.85	8.16	0	Yes		
997453	SR 20	154.67	Unnamed	Granite Cr	4	Culvert	RND	1.1	CST	1.52	1.52	30.3	No	0.65	0.92	0	No	116	
997114	SR 20	156.3	Porcupine Cr	Granite Cr	4.2453	Culvert	ELL	1.2	CST	1.32	1.63	31.2	No	1.45	10.9	0	Yes		
997114	SR 20	156.3	Porcupine Cr	Granite Cr	4.2453	Culvert	ELL	2.2	CST	1.32	1.63	30.4	No	0.6	11.2	0	Yes		
997575	SR 20	156.81	Unnamed	Granite Cr	4	Culvert	RND	1.1	CST	1.07	1.07	26	No	0.6	4.47	0	No	30	
997576	SR 20	156.86	Unnamed	Unnamed	4	Culvert	RND	1.1	CST	1.07	1.07	31.9	No	0.2	14.3	0	No	115	
993055	SR 20	163.61	Unnamed	Early Winters Cr	48	Culvert	RND	1.1	CST	1.22	1.22	81.9	No	2.05	14.4	0	No	130	
990342	SR 20	168.25	Pine Cr	Early Winters Cr	48.1528	Culvert	SQSH	1.1	SPS	3.47	2.24	19.3	No	0.8	4.91	0	Yes	5058	5.44
993163	SR 20	168.3	Unnamed	Early Winters Cr	48	Culvert	RND	1.1	CST	0.91	0.91	22.3	No	0.47	7.21	0	No	70	
993171	SR 20	169.31	Unnamed	Early Winters Cr	48	Culvert	RND	1.1	CST	0.76	0.76	19.2	No	0.75	7.54	0	No	160	
993179	SR 20	170.73	Silver Star Cr	Early Winters Cr	48	Culvert	ARCH	1.1	SPS	2.48	1.8	37.8	No	0	10.55	0	No	0	
993184	SR 20	171.97	Unnamed	Early Winters Cr	48	Culvert	RND	1.1	CST	1.22	1.22	27.1	No	0	18.5	0	No	11	
990468	SR 20	173.16	Varden Cr	Early Winters Cr	48.1479	Culvert	SQSH	1.1	SPS	5.5	2.38	31.1	No	0.1	10.4	0	Yes	360	4.66
993207	SR 20	174.98	Pekin Cr	Early Winters Cr	48	Culvert	SQSH	1.1	SPS	2.32	1.66	19.6	No	0.32	5.5	0	Yes	641	3.05
993230	SR 20	185.93	Boesel Canyon Cr	Diversion Ditch	48	Culvert	RND	1.1	CST	0.61	0.61	25.8	No	0.42	10.3	0	Yes	378	4.93

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
980378	SR 20	188.17	Unnamed	Methow R	48	Culvert	SQSH	1.1	CST	0.91	0.61	24.4	No	0	3.25	33	Yes	300	7.72
980131	SR 20	208.44	Unnamed	Frazer Cr	48.0309A	Culvert	RND	1.1	CST	0.46	0.46	15	No	0	6.08	0	Yes	465	6.61
993405	SR 20	213.99	Frazer Cr	Beaver Cr	48.0309	Culvert	RND	1.1	CST	0.61	0.61	18.3	No	0	6	33	Yes	1801	3.29
993815	SR 20	215.96	Summit Cr	Loup Loup Cr	49.0054	Culvert	RND	1.1	CST	0.91	0.91	114.2	No	0	6.8	33	Yes	456	2.17
993817	SR 20	218.48	Summit Cr	Loup Loup Cr	49.0054	Culvert	RND	1.1	CST	0.91	0.91	18.9	No	0.2	3.1	33	Yes	4657	4.11
990406	SR 20	219.38	Summit Cr	Loup Loup Cr	49.0054	Culvert	RND	1.1	CST	1.37	1.37	29.1	No	1.1	18.93	0	Yes	13563	5.78
991687	SR 20	220.1	Unnamed	Summit Cr	49	Culvert	RND	1.1	OTH	0.76	0.76	35.7	No	0.21	4.4	33	Yes	978	4.65
993818	SR 20	220.85	Summit Cr	Loup Loup Cr	49.0054	Culvert	RND	1.1	PCC	1.22	1.22	23.4	No	0.47	7.2	0	No		
990247	SR 20	223.18	Little Loup Cr	Loup Loup Cr	49.0052	Culvert	OTH	1.1	OTH	2	3.19	112.5	No	1.5	4.8	0	No		
990418	SR 20	224.49	Tallant Cr	Okanogan R	49.0065	Culvert	RND	1.1	PCC	1.07	1.07	22.3	No	0	5.4	0	Yes		
993824	SR 20	225.6	Tallant Cr	Okanogan R	49.0065	Culvert	RND	1.1	PCC	1.52	1.52	25.9	No	0	1.7	33	Yes		
990419	SR 20	226.27	Tallant Cr	Okanogan R	49.0065	Culvert	BOX	1.1	CPC	1.18	2.49	25.5	No	1.15	4.2	0	Yes		
990420	SR 20	226.96	Tallant Cr	Okanogan R	49.0065	Culvert	RND	1.1	CST	1.83	1.83	32	No	1.7	5.6	0	Yes		
990421	SR 20	227.22	Tallant Cr	Okanogan R	49.0065	Culvert	RND	1.3	CST	0.76	0.76	17.8	No	0	3.3	33	Yes		
990421	SR 20	227.22	Tallant Cr	Okanogan R	49.0065	Culvert	RND	2.3	OTH	0.61	0.61	18.4	No	0	4.7	33	Yes		
990421	SR 20	227.22	Tallant Cr	Okanogan R	49.0065	Culvert	RND	3.3	CST	0.91	0.91	19.1	No	0	5.1	33	Yes		
994020	SR 20	263.4	Bonaparte Cr	Okanogan R	49.0246	Culvert	BOX	1.1	CPC	3.06	1.86	30	No	0	2.3	33	Yes		3.89
994021	SR 20	263.62	Bonaparte Cr	Okanogan R	49.0246	Culvert	BOX	1.1	CPC	3.06	1.86	28.8	No	0.23	2.27	33	Yes		4.21
994022	SR 20	264.08	Bonaparte Cr	Okanogan R	49.0246	Culvert	BOX	1.1	CPC	3.06	1.84	29.9	No	0.28	3.92	33	Yes		4.89
994025	SR 20	265.57	Unnamed	Bonaparte Cr	49	Culvert	RND	1.1	PCC	0.61	0.61	25.3	No	0	13.9	0	Unk		
994030	SR 20	266.09	Bonaparte Cr	Okanogan R	49.0246	Culvert	BOX	1.1	CPC	3.05	1.84	28.7	No	0.32	2.3	33	No		
994031	SR 20	266.22	Bonaparte Cr	Okanogan R	49.0246	Culvert	BOX	1.1	CPC	3.05	1.85	25.8	No	0	2.77	67	Yes	222	2.14
994035	SR 20	278.6	Bonaparte Cr	Okanogan R	49.0246	Culvert	BOX	1.1	CPC	2.15	1.82	15.1	No	0.65	1.7	33	Yes		7.9
994037	SR 20	279.3	Bonaparte Cr	Okanogan R	49.0246	Culvert	BOX	1.1	CPC	2.15	1.84	29.4	No	0	1.7	0	Yes		9.57
994043	SR 20	283.52	Unnamed	Bonaparte Cr	49	Culvert	RND	1.1	CST	0.76	0.76	20.4	No	0	2.2	67	Yes		
994047	SR 20	284.52	Unnamed	Bonaparte Cr	49	Culvert	RND	1.1	PCC	0.76	0.76	23	No	0	2.4	67	Yes		
990993	SR 243	25.29	Unnamed	Columbia R	41	Culvert	RND	1.1	CST	1.07	1.07	22.9	No	0.46	8	0	No		
991762	SR 26	1.79	Sand Hollow Cr	Columbia R	41.2151	Culvert	RND	1.1	CST	1.82	1.82	89.9	No	2.8	3.2	0	Yes	5406	15.67
990570	SR 26	29.87	Crab Cr Wasteway	Lower Crab Cr	41	Culvert	RND	1.1	CST	2.23	2.23	23.5	No	0	1.6	33	Yes		
990571	SR 26	29.95	Crab Cr Wasteway	Lower Crab Cr	41	Culvert	RND	1.1	CST	1.22	1.22	26.8	No	0	9	0	Yes		
997815	SR 26	42.7	Unnamed	Unnamed	36	Culvert	RND	1.2	CST	2.21	2.21	58.1	No	3	0.95	0	Yes		
997815	SR 26	42.7	Unnamed	Unnamed	36	Culvert	RND	2.2	CST	2.21	2.21	58.1	No	3	0.94	0	Yes		
991776	SR 28	2.31	Unnamed	Columbia R	44	Culvert	RND	1.1	PCC	1.22	1.22	38.4	No	0	6.8	33	Yes		
991947	SR 28	2.32	Sand Canyon Springs	Columbia R	44.0756	Culvert	BOX	1.1	CPC	1.52	1.52	19.8	Yes	1.95	5.7	0	Yes	2510	8.95
997474	SR 28	7.44	Unnamed	Columbia R	44	Culvert	RND	1.1	PCC	0.46	0.46	27.8	No	0.35	4.8	0	No	125	
990882	SR 28	22.72	Lynch Coulee	Columbia R	41	Culvert	BOX	1.1	PCC	3.66	3.05	113.4	No		3	0	Yes	4751	9.06
997814	SR 28	40.66	Unnamed	Unnamed	41	Culvert	RND	1.1	PCC	0.61	0.61	23.6	No	0.44	2.3	0	Yes		
995057	US 2	56.86	Unnamed	Tye R	7	Culvert	RND	1.1	CST	0.61	0.61	53.8	No	0.24	5.3	0	No	167	
995037	US 2	57.66	Unnamed	Tye R	7	Culvert	RND	1.1	CST	0.61	0.61	47.2	No	0.2	6.5	0	No	61	
995051	US 2	58	Unnamed	Tye R	7.1695	Culvert	RND	1.1	PCC	0.91	0.91	30.1	No	0.04	3	0	No	122	
995053	US 2	59.62	Unnamed	Tye R	7.1705	Culvert	RND	1.1	CST	0.76	0.76	36	No	0.21	12	0	No	160	
995055	US 2	64.32	Unnamed	Unnamed to Tye R	7	Culvert	BOX	1.1	CPC	1.3	1.3	49.5	No	0.65	19.7	0	Unk		

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
995056	US 2	64.46	Unnamed	Tye R	7.1716	Culvert	BOX	1.1	CPC	1.85	1.85	56.2	No	0	11.8	0	Unk		
992755	US 2	82.06	Unnamed	Nason Cr	45	Culvert	RND	1.1	CST	0.91	0.91	0.9	No	1.5		0	Yes	1100	4.23
996888	US 2	107.43	Unnamed	Wenatche R	45.0214	Culvert	OTH	1.1	OTH	1.9	0.45	115.9	No	0	5.21	0	No	125	
996890	US 2	111.46	Unnamed	Wenatchee R	45.0072	Culvert	ARCH	1.1	CST	1.84	1.17	37.5	Yes	3.5	0.99	0	Yes		
998309	US 2	146.02	Pine Canyon	Corbaley Canyon	44	Culvert	RND	1.1	SPS	3.05	3.05	178.7	No	0.32	8.6	0	Yes		
991948	US 97	152.92	Mill Cr	Swauk Cr	39.1188	Culvert	RND	1.1	PCC	0.91	0.91	111.9	No	0.37	5.41	0	Yes	3075	6.11
990202	US 97	158.32	Iron Cr	Swauk Cr	39.1209	Culvert	SQSH	1.1	SPS	2.57	1.81	24	No	0	3.5	67	Yes		
990413	US 97	159.26	Swauk Cr	Yakima R	39.1157	Culvert	SQSH	1.1	SPS	2.69	1.83	24.5	No	0	1.2	67	Yes	7024	9.02
990414	US 97	159.67	Swauk Cr	Yakima R	39.1157	Culvert	SQSH	1.1	SPS	2.72	1.86	36.1	No	0.97	2.05	0	Yes	5402	10.74
990444	US 97	164.7	Tronsen Cr	Peshastin Cr	45.0346	Culvert	RND	2.2	PCC	0.61	0.61	67.1	No	0.09	5	0	Yes	1330	5.61
990444	US 97	164.7	Tronsen Cr	Peshastin Cr	45.0346	Culvert	RND	1.2	PCC	0.61	0.61	67.1	No	0.6	5	0	Yes	1330	5.61
990445	US 97	165.77	Tronsen Cr	Peshastin Cr	45.0346	Culvert	RND	1.1	CST	1.07	1.07	36.6	No	0.24	4.5	0	Yes	3030	7.5
990446	US 97	166.23	Tronsen Cr	Peshastin Cr	45.0346	Culvert	RND	1.1	CST	1.07	1.07	30.5	No	0.52	3.5	0	Yes	3110	8.12
997564	US 97	232.94	Unnamed	Columbia R	44	Culvert	ELL	1.1	SPA	2.59	3.43	44	No	0.86	6.55	0	Yes		
997566	US 97	235.3	Beebe Cr	Columbia R	47	Culvert	RND	1.1	CST	1.22	1.22	43.5	No	0.08	2.13	33	Yes		
997567	US 97	235.65	Unnamed	Columbia R	47	Culvert	RND	1.1	CAL	0.91	0.91	34.3	No	0.12	2.65	33	Yes	283	
992051	US 97	260.28	Swamp Cr	Columbia R	49	Culvert	RND	1.1	PCC	1.24	1.24	0.9	No	0		0	Yes		
993915	US 97	261.24	Unnamed	Columbia R	49	Culvert	BOX	1.1	CPC	2.44	2.42	91.9	No	0	2.2	0	Yes	1320	5.17
990217	US 97	299.03	Johnson Cr	Okanogan R	49	Culvert	SQSH	1.1	CST	1.9	1	21.6	No	0.34	5	33	Yes	11104	4.88
993964	US 97	324.67	Mosquito Cr	Okanogan R	49.0321	Culvert	RND	1.1	PCC	2.13	2.13	16.7	No	0.04	1.4	67	Yes		
991643	US 97	325.87	Unnamed	Okanogan R	49	Culvert	RND	1.1	PCC	1.22	1.22	28.1	No	0	2.88	67	Yes		
993971	US 97	328.16	Whistler Canyon Cr	Okanogan R	49	Culvert	RND	1.1	PCC	0.91	0.91	35.3	No	0	1.4	33	Yes	2890	4.44
992045	US 97AR	220.76	Byrd Canyon Cr	Columbia R	46.038	Culvert	RND	1.1	PCC	0.8	0.8	48.3	No	0	3.26	33	Yes		
992043	US 97AR	222.02	Oklahoma Gulch	Columbia R	47.0002	Culvert	RND	1.2	PCC	1.4	1.4	44.3	Unk	0	3.99	0	Yes	237	6.33
992043	US 97AR	222.02	Oklahoma Gulch	Columbia R	47.0002	Culvert	RND	2.2	PCC	1.4	1.4	44.3	Unk	0	3.87	0	Yes	237	6.33

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
WSDOT Olympic Region - Oly																			
996578	DOT shop	0.99	Unnamed	Green Cr	19	Culvert	RND	1.1	PCC	0.61	0.61	16.7	No	0	2.3	33	No	199	
991499	I-5	94.57	Unnamed	Beaver Cr	23	Culvert	RND	1.1	PCC	1.22	1.22	64.5	No	0	1.2	0	Yes	483	12.31
990199	I-5	105.85	Indian Cr	Moxlie Cr	13.0026	Culvert	RND	1.1	CST	0.91	0.91	100.6	No	0	3	0	Yes	5026	28.26
997705	I-5	109.69	College Cr	Woodland Cr	13	Culvert	RND	1.1	PCC	0.61	0.61	74.8	No	0	1	67	Yes	1330	14.8
990487	I-5	110.14	Woodland Cr	Puget Sound	13.0006	Culvert	RND	2.2	PCC	1.53	1.53	124.7	Yes	0	0.2	67	Yes	16969	50.48
990487	I-5	110.14	Woodland Cr	Puget Sound	13.0006	Culvert	RND	1.2	PCC	1.53	1.53	123.9	No	0	0.1	67	Yes	16969	50.48
997706	I-5	172	Unnamed	Deschutes R	13	Culvert	RND	1.1	OTH	0.76	0.76	197	No	0.38		0	Yes		
996426	SR 122	32.85	Unnamed	Joe Cr	19	Culvert	RND	1.1	PCC	0.76	0.76	18.5	No	0	42	33	No	107	
162173	SR 104	4.25	Unnamed	Barnhouse Cr	17.0213b3	Culvert	RND	1.1	CST	0.76	0.76	93.9	No	0.03	3.72	33	Yes	963	12.58
991978	SR 104	5.75	Unnamed	Chimacum Cr	17.0212	Culvert	RND	1.1	CAL	0.8	0.8	52.8	No	0	1.2	33	Yes		
991983	SR 104	12.05	Unnamed	Hood Canal	17	Culvert	RND	1.1	CST	0.63	0.63	65.5	No	0	10.2	0	No	115	
162192	SR 104	12.57	Unnamed	Squamish Harbor	17	Culvert	RND	1.1	CST	0.91	0.91	103.3	No	0	7.6	0	Yes	932	12.49
992196	SR 104	12.7	Unnamed	Squamish Harbor	17.0185	Culvert	RND	1.1	CAL	0.7	0.7	60.5	No	0.53	1.75	0	Yes	1822	12.89
990710	SR 104	16.55	Unnamed	Port Gamble	15	Culvert	RND	1.1	PCC	0.91	0.91	39.6	No	0	5	67	Yes	1617	13.81
992200	SR 104	17.82	Unnamed	Port Gamble	15	Culvert	BOX	1.1	PCC	0.92	0.92	33.2	No	0.22	2.22	0	Yes		
992202	SR 104	19.39	Unnamed	Port Gamble	15	Culvert	RND	1.1	PCC	0.83	0.83	30.2	No	0	5.2	0	Yes	531	4.37
992205	SR 104	22.47	Grovers Cr	Miller Bay	15.0299	Culvert	BOX	1.1	CPC	0.92	0.92	19.3	No	0	1.14	33	Yes		
992207	SR 104	22.95	Unnamed	Appletree Cove	15.0309	Culvert	BOX	1.1	CPC	0.92	0.92	23.6	No	0	3.69	0	Yes	2349	17.22
992208	SR 104	23.37	Unnamed	Appletree Cove	15	Culvert	RND	1.1	PCC	0.45	0.45	24.9	No	0.41	1.69	0	No	198	4.37
991301	SR 105	31.38	Unnamed	South Bay	22.1321	Culvert	RND	1.1	PCC	1.07	1.07	21.2	No	0.1	1.7	33	Yes	620	1.78
993007	SR 105	31.79	Unnamed	South Bay	22	Culvert	RND	1.1	PCC	0.65	0.65	29.4	No	0	1.5	0	No	150	
990905	SR 105	36.26	Unnamed	South Bay	22	Culvert	RND	1.1	PCC	0.61	0.61	48.4	No	0	1.5	33	No	34	
980275	SR 105	38.1	Unnamed	Johns R	22	Culvert	RND	1.1	PCC	0.61	0.61	38.1	No	0	5	0	Yes	320	12.85
980274	SR 105	38.28	Unnamed	Johns R	22	Culvert	RND	1.1	PCC	0.46	0.46	22.9	Unk	0	2	33	No	124	
994782	SR 105	38.9	Unnamed	Grays Harbor	22.1269	Culvert	RND	1.1	PCC	0.76	0.76	59.5	No	0	2.5	0	No	181	
991298	SR 105	40.5	Unnamed	South Bay	22	Culvert	RND	1.1	PCC	1.07	1.07	73.2	No	0.24	3	0	Yes	228	4.33
991302	SR 105	41.76	Unnamed	Grays Harbor	22	Culvert	RND	1.1	PCC	0.46	0.46	23.2	No	0.34		0	No	77	
996115	SR 106	2.07	Unnamed	Unnamed	16	Culvert	RND	1.1	PCC	0.61	0.61	14.7	No	0.65	3.4	0	Yes	636	5.62
996116	SR 106	2.36	Unnamed	Unnamed	16	Culvert	RND	1.1	PCC	0.46	0.46	12.3	No	0	1.54	33	Yes	528	3.03
991244	SR 106	2.95	Unnamed	Skokomish R	16.0002	Culvert	RND	1.1	PCC	0.91	0.91	12.2	Unk	1.37	6	0	Yes	437	15.5
996380	SR 106	3.8	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.61	0.61	14.9	No			0	No	0	
996383	SR 106	4.11	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.46	0.46	16.1	No	0	12	0	Yes		
996384	SR 106	4.35	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.46	0.46	12.1	No	1.1	10.5	0	No	106	
996417	SR 106	4.35	Unnamed	Hood Canal	16	Other										0	No	56	
997163	SR 106	5.45	Unnamed	Hood Canal	14	Culvert	RND	1.1	PCC	0.46	0.46	0.9	No	0.55	5	33	No	14	
990008	SR 106	6.85	Big Bend Cr	Hood Canal	14	Culvert	BOX	1.1	CPC	1.22	1.22	15.4	No	0	1.75	67	Yes		
997166	SR 106	7.64	Unnamed	Hood Canal	14	Culvert	RND	1.1	OTH	0.3	0.3	14.3	No	0	6.4	0	Yes		
997168	SR 106	7.71	Unnamed	Hood Canal	14	Culvert	RND	1.1	PCC	0.46	0.46	12.4	No	1.15	6.5	0	Yes		
997176	SR 106	9.7	Unnamed	Hood Canal	14	Culvert	RND	1.1	PCC	0.46	0.46	0.9	No	0	6	33	No	9	
997182	SR 106	11.57	Unnamed	Hood Canal	14.0136	Culvert	RND	1.1	PCC	1.22	1.22	14.5	No	0	6.49	33	Yes		
991246	SR 106	13.5	Twanoh Falls Cr	Hood Canal	14.0132	Culvert	BOX	1.1	PCC	1.22	1.22	10.5	Yes	0	1.18	33	Yes		

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991245	SR 106	13.84	Unnamed	Hood Canal	14.0131	Culvert	BOX	2.2	PCC	1.22	1.22	2.7	Unk	1.52		0	Yes		
991245	SR 106	13.84	Unnamed	Hood Canal	14.0131	Culvert	BOX	1.2	OTH	1.22	1.04	14.9	Yes	1.1		0	Yes		
997184	SR 106	14.61	Unnamed	Hood Canal	14.013	Culvert	RND	1.1	OTH	0.76	0.76	11.7	No	0	2.4	33	Yes		
115 MC190	SR 106	14.72	Mulberg Cr	Hood Canal	14	Culvert	RND	1.1	PCC	0.61	0.61	12	No	0.16	9.92	33	Yes	273	10.86
115 MC218	SR 106	19.57	Unnamed	Hood Canal	14.0124	Culvert	BOX	1.1	OTH	1.23	0.92	11.1	No	0.9	3	0	Yes		
997260	SR 106	19.84	Unnamed	Hood Canal	14	Culvert	RND	1.1	PCC	0.46	0.46	13.2	No	0	3.2	33	Yes		
996412	SR 106 ROW	2.33	Unnamed	Unnamed	16	Other										0	Yes	522	3.71
993043	SR 107	0.76	Unnamed	Little North R	24	Culvert	RND	1.1	CAL	0.75	0.75	29.2	No	0	3.96	67	Yes	744	9.56
990911	SR 107	3.29	Unnamed	Preachers Sl	22	Culvert	RND	1.1	PCC	0.61	0.61	19.5	No	0	1.23	67	No	80	
991727	SR 107	5.49	Unnamed	Chehalis R	22	Culvert	RND	1.1	PCC	0.46	0.46	27.4	No	1	0	0	No	30	
993659	SR 108	0.18	Unnamed	EF Wildcat Cr	22	Culvert	RND	1.1	PCC	0.76	0.76	16.4	No	0	1	67	No	192	8
997209	SR 108	4.27	Unnamed	Skookum Cr	14	Culvert	RND	1.1	PCC	0.61	0.61	15.5	No	0	2.59	67	Yes		
997210	SR 108	5.2	Unnamed	Skookum Cr trib	14	Culvert	RND	1.1	PCC	0.76	0.76	38.4	No	0.64	4.53	0	Yes		
991237	SR 108	5.5	Unnamed	Skookum Cr	14	Culvert	RND	1.1	PCC	0.91	0.91	26	No	0	4.2	33	Yes	2770	12.38
990385	SR 108	5.6	Skookum Cr	Skookum Inlet	14.002	Culvert	BOX	1.1	CPC	1.86	1.86	25.4	No	0	0.35	67	Yes		
991672	SR 108	7.62	Unnamed	Skookum Cr	14.0020A	Culvert	RND	1.1	SPS	1.52	1.52	16.1	No	2.01	1	0	Yes	516	9.89
997224	SR 108	9.35	Unnamed	Skookum Cr trib	14	Culvert	RND	1.1	PCC	0.61	0.61	13.3	Yes	0	3.16	67	Yes		
997225	SR 108	9.47	Kamilche Cr	Skookum Cr	14.0022	Culvert	RND	1.1	SPS	1.52	1.52	22	No	0	0.41	67	Yes	2867	19.11
997229	SR 108	11.37	Unnamed	Skookum Cr	14	Culvert	RND	1.1	PCC	0.91	0.91	17.4	No	0	2.59	67	No	132	
990921	SR 109	2.71	Unnamed	Grays Harbor	22	Culvert	RND	1.1	PCC	0.46	0.46	15.8	No	0	1.15	67	Yes		
991835	SR 109	3.41	Unnamed	Grays Harbor	22	Culvert	RND	1.1	PVC	0.61	0.61	42.4	No	0.21	1	33	Yes		9.21
994806	SR 109	13.39	Unnamed	Kurtz Sl	22	Culvert	RND	1.1	OTH	0.83	0.83	48.3	No	0	2.7	33	No		
990920	SR 109	19.4	Unnamed	Connor Cr	21	Culvert	RND	1.1	PCC	0.91	0.91	14.9	No	0	1.2	67	Yes		
997360	SR 109	24.23	Unnamed	Boone Cr trib	21	Culvert	RND	1.1	PCC	0.91	0.91	16.6	No	0	3.3	67	Yes		
997363	SR 109	24.56	Unnamed	Boone Cr	21	Culvert	RND	1.1	CST	1.22	1.22	19.3	No	0	1.27	67	Yes		
991265	SR 109	26.1	Unnamed	Pacific Ocean	21.0764	Culvert	RND	1.1	SST	1.22	1.22	22	No	0.2	1.6	0	Yes	500	13.84
997780	SR 109	27.05	Unnamed	Pacific Ocean	21	Culvert	RND	1.1	PCC	0.91	0.91	12.4	No	0	1.05	67	Yes		
997781	SR 109	27.41	Unnamed	Pacific Ocean	21	Culvert	RND	1.1	PCC	0.91	0.91	12.6	No	0	4.6	67	Yes		
990138	SR 109	28.1	Elk Cr	Pacific Ocean	21.0761	Culvert	BOX	1.2	PCC	1.22	1.22	20.2	No	0	2.5	67	Yes		
990138	SR 109	28.1	Elk Cr	Pacific Ocean	21.0761	Culvert	RND	2.2	PCC	0.61	0.61	19.7	No	0	0.99	67	Yes		
997784	SR 109	30.26	Unnamed	Pacific Ocean	21	Culvert	RND	1.1	OTH	0.76	0.76	0.9	No	0.17		0	Yes		
997786	SR 109	31.93	Unnamed	Moclips R	21	Culvert	RND	1.1	PCC	0.76	0.76	24.2	No	0	1.49	67	Yes		
991272	SR 109	33.1	Unnamed	Pacific Ocean	21.0728	Culvert	RND	1.1	PCC	1.52	1.52	45.7	No	0	1.9	0	Yes	3972	17.18
991266	SR 109	33.4	Unnamed	Pacific Ocean	21	Culvert	RND	1.1	PCC	0.91	0.91	29.3	No	0.4	3	0	Yes	482	11.36
997787	SR 109	33.87	Unnamed	Pacific Ocean	21.0727	Culvert	RND	1.1	PCC	1.22	1.22	31.5	No	0	3.96	33	Yes		
990922	SR 109	35.73	Unnamed	Pacific Ocean	21.0718	Culvert	RND	1.1	PCC	0.61	0.61	18	No	0.24	5	0	Yes	575	9.46
997790	SR 109	36	Unnamed	Pacific Ocean	21	Culvert	RND	1.1	CAL	0.91	0.91	0.9	No	0		0	Yes		
991271	SR 109	36.38	Unnamed	Pacific Ocean	21.0716	Culvert	RND	1.1	PCC	1.07	1.07	16.5	No	0.21	5.9	0	Yes	816	13.16
991270	SR 109	36.43	Unnamed	Pacific Ocean	21.0715	Culvert	RND	1.1	PCC	1.07	1.07	21	No	0	2.48	67	Yes	3081	12.18
990923	SR 109	37.11	Unnamed	Pacific Ocean	21.0714	Culvert	RND	1.1	PCC	0.91	0.91	31.7	No	0	1	33	Yes		
990924	SR 109	37.43	Unnamed	Pacific Ocean	21.0713	Culvert	RND	1.1	PCC	0.91	0.91	16.9	No	0	4.1	33	Yes		
990927	SR 109	39.15	Unnamed	Pacific Ocean	21.0711	Culvert	RND	1.1	PCC	1.07	1.07	30.5	No	0.58	4	0	Yes		

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
990205	SR 112	5.17	Jansen Cr	Strait of Juan de Fuca	19.0228	Culvert	RND	2.2	PCC	1.82	1.82	17.1	No	0	1.7	67	Yes		
990205	SR 112	5.17	Jansen Cr	Strait of Juan de Fuca	19.0228	Culvert	RND	1.2	PCC	1.82	1.82	17.3	No	0	0.8	67	Yes		
990318	SR 112	6.3	Unnamed	Strait of Juan de Fuca	19	Culvert	RND	1.1	PCC	0.38	0.38	15.7	No	0	1.2	67	No		
990559	SR 112	6.95	Unnamed	Strait of Juan de Fuca	19	Culvert	RND	1.1	PCC	1.83	1.83	13.5	No	0.25	1.6	67	Yes		
991259	SR 112	12.26	Unnamed	Hoko R	19.0148A	Culvert	RND	1.1	PCC	0.61	0.61	16.1	No	0.2	1.6	33	Yes		
996684	SR 112	17.14	Unnamed	Clallam Bay	19	Culvert	RND	1.1	CST	1.08	1.08	112.3	No	0	3.5	0	Yes	1429	17.22
996691	SR 112	19.36	Unnamed	Clallam R	19	Culvert	RND	1.1	OTH	0.46	0.46	15.5	No	1.15	6	0	No	90	
991731	SR 112	21.1	Unnamed	Green Cr	19	Culvert	RND	1.1	CST	1.52	1.52	19.8	Unk	0.98	1	0	Yes	418	9.81
996694	SR 112	21.64	Unnamed	Unnamed	19	Culvert	RND	1.1	OTH	0.46	0.46	20.1	No	0.65	5.8	33	No	155	
996552	SR 112	23.07	Unnamed	Green Cr	19	Culvert	RND	1.1	CST	0.61	0.61	25.4	No	0	2.4	67	No	170	
996554	SR 112	24.26	Unnamed	Pysht R	19	Culvert	RND	1.1	PCC	0.46	0.46	15.3	No	0.04	3.2	33	Yes		
996556	SR 112	25.2	Unnamed	Pysht R	19	Culvert	RND	1.1	OTH	0.76	0.76	40.9	No	0.5	1.5	0	Yes		
991730	SR 112	25.6	Unnamed	Pysht R	19	Culvert	RND	1.1	PCC	0.76	0.76	19.3	No	0	1.6	67	Yes	2921	19.97
996421	SR 112	27.76	Unnamed	Pysht R	19	Culvert	RND	1.1	PCC	0.46	0.46	11.2	No	0	1.3	33	Yes		
991732	SR 112	29.12	Indian Cr	Strait of Juan De Fuca	19.0112	Culvert	RND	1.1	CST	0.61	0.61	39.6	No	0.03	3	0	Yes	2567	15.98
990941	SR 112	29.66	Unnamed	Butler Cr	19	Culvert	RND	1.1	PCC	0.76	0.76	44.2	Unk	0	1	0	Yes	1351	14.2
991258	SR 112	29.71	Butler Cr	Butler Cove	19.0112	Culvert	RND	1.1	PCC	0.76	0.76	47.2	Unk	0.61	3	0	Yes	2262	16.02
996424	SR 112	31.46	Unnamed	Jim Cr	19	Culvert	RND	1.1	SST	0.91	0.91	46	No	0.4	8.3	0	Yes		
996427	SR 112	33.02	Unnamed	Joe Cr	19	Culvert	RND	1.1	CST	0.61	0.61	22.3	No	0.3	3.5	0	No	88	
990214	SR 112	33.21	Joe Cr	Strait of Juan de Fuca	19.0109	Culvert	RND	2.2	SPS	1.52	1.52	35.4	No	0.26	1	67	Yes	7158	19.37
990214	SR 112	33.21	Joe Cr	Strait of Juan de Fuca	19.0109	Culvert	RND	1.2	SPS	1.52	1.52	35.4	No	0.26	1	67	Yes	7158	19.37
996431	SR 112	34.2	Unnamed	Deep Cr	19	Culvert	RND	1.1	PCC	0.76	0.76	69.5	No	0	3.91	33	Yes		
996432	SR 112	34.28	Unnamed	Deep Cr	19	Culvert	RND	1.1	PCC	0.76	0.76	99.8	No	0.35	7.1	0	Yes		
990715	SR 112	35.28	Unnamed	Strait of Juan de Fuca	19	Culvert	RND	1.1	CST	1.21	1.21	17.8	No	0.45	2.7	0	No	182	
996528	SR 112	44.32	Unnamed	Murdock Cr	19.0079	Culvert	RND	1.1	OTH	0.91	0.91	28.8	No	1	4	0	Yes		
996529	SR 112	45.66	Unnamed	Murdock Cr	19	Culvert	RND	2.2	OTH	0.61	0.61	16.6	No	0.05	1	67	No	137	
996529	SR 112	45.66	Unnamed	Murdock Cr	19	Culvert	RND	1.2	OTH	0.61	0.61	16.6	No	0	1.7	67	No	137	
990304	SR 112	47.1	Nelson Cr	Lyre R	19.0032	Culvert	BOX	1.1	CPC	1.83	1.53	28.6	No	0.02	2	0	Yes	4684	20.42
990144	SR 112	48.49	Field Cr	Strait of Juan de Fuca	19.0026	Culvert	ARCH	1.1	PCC	5.5	2.7	44.1	No		0.89	67	Yes		
990480	SR 112	49.48	Whiskey Cr	Strait of Juan de Fuca	19.002	Culvert	BOX	1.1	CPC	2.13	1.83	51.8	No		4	33	Yes	538	8.05
996536	SR 112	49.62	EF Whiskey Cr	Whiskey Cr	19.0022	Culvert	RND	1.1	CST	1.22	1.22	35.5	No	0.05	3.1	33	Yes		
996539	SR 112	51.53	Itsa Cr	Uptha Cr	19	Culvert	RND	1.1	OTH	0.46	0.46	19.8	No	0.4	2.5	0	Yes		
991738	SR 112	51.6	Uptha Cr	Salt Cr	19	Culvert	RND	1.1	OTH	0.61	0.61	22.3	No	0	4.8	33	Yes		
991660	SR 112	52.9	Nordstrom Cr	Salt Cr	19.0011	Culvert	RND	1.1	CST	1.52	1.52	32.2	No	0	0.8	67	Yes	4855	11.46
991686	SR 112	56.5	Unnamed	Coville Cr	19.0003	Culvert	BOX	1.1	CPC	2.44	2.44	51.8	No	0.06	5	0	Yes	2770	12.94
996541	SR 112	57.05	Unnamed	Coville Cr	19	Culvert	RND	1.1	PCC	0.61	0.61	49.9	No	0.4	3.9	0	No	150	
990092	SR 112	57.61	Coville Cr	Strait of Juan de Fuca	19.0001	Culvert	RND	2.2	PCC	1.22	1.22	39.9	No	0	2	0	Yes	15710	26.19
990092	SR 112	57.61	Coville Cr	Strait of Juan de Fuca	19.0001	Culvert	RND	1.2	PCC	1.22	1.22	39.9	No	0	2	0	Yes	15710	26.19
995802	SR 112	60.27	Unnamed	Elwha R	18	Culvert	RND	1.1	CST	0.91	0.91	26.8	No	0.84	5.5	0	No	167	
995803	SR 112	60.71	Unnamed	Elwha R	18.0277	Culvert	RND	1.1	CST	1.22	1.22	43.5	No	0.05	4.3	33	Yes		
991733	SR 113	0.9	Unnamed	Beaver Cr	20	Culvert	RND	1.1	CST	1.22	1.22	64	No	0.65	3	0	Yes	363	9.04
997101	SR 113	5.05	Unnamed	Beaver Cr	20.0328	Culvert	RND	1.1	CAL	3.17	3.17	53.7	No	5.7	3.9	0	Unk		

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
997103	SR 113	5.58	Unnamed	Beaver Cr	20.0328	Culvert	RND	1.1	CST	2.9	2.9	19.9	No	0	2.4	67	Yes		
997105	SR 113	6.08	Unnamed	Unnamed	20	Culvert	RND	1.1	CST	0.61	0.61	22.3	No	0	5.8	33	No	87	
996563	SR 113	6.55	Unnamed	Unnamed	19	Culvert	SQSH	1.1	CST	1.29	1.17	0.9	No			0	No	125	
996571	SR 113	8.35	Unnamed	Pysht R	19	Culvert	RND	1.1	CST	0.91	0.91	45.9	No	0.93	3.2	0	Yes		
996573	SR 113	9.7	Unnamed	Pysht R	19	Culvert	RND	1.1	PCC	0.91	0.91	20.6	No	1.12	8.6	0	Yes		
996574	SR 113	9.81	Unnamed	Pysht R	19	Culvert	RND	1.2	PCC	1.22	1.22	62.3	No	0	7.4	33	Yes		
996574	SR 113	9.81	Unnamed	Pysht R	19	Culvert	RND	2.2	PCC	1.22	1.22	63.4	No	0	7.2	33	Yes		
996414	SR 115 ROW	2.07	Unnamed	Unnamed	16	Other										0	Yes		
995521	SR 116	1.64	Unnamed	Port Townsend Bay	17	Culvert	RND	1.1	PCC	0.61	0.61	19	No	0.53	4	0	Yes		
995908	SR 119	2.76	Dow Cr	Lk Kokanee	16.0112	Culvert	ELL	1.1	SPS	2.94	3.15	30.8	No	1.65	0.91	0	Yes		
995019	SR 119	3.98	Unnamed	Skokomish R	16	Culvert	RND	1.1	CST	1.25	1.25	10.4	No	0	1.44	33	Yes		
995913	SR 119	5.66	Unnamed	Lk Cushman	16	Culvert	RND	1.1	OTH	0.3	0.3	10.2	No	0.11	9.8	33	No	49	
995915	SR 119	7.02	Unnamed	Lk Cushman	16	Culvert	RND	1.1	PCC	0.61	0.61	9.8	No	0.3	3.3	0	Yes		
995916	SR 119	7.8	Unnamed	Lk Cushman	16	Culvert	RND	1.1	CST	1.25	1.25	17.9	No	3.4	3.3	0	Yes		
995917	SR 119	8.2	Unnamed	Big Cr	16	Culvert	RND	1.1	CST	0.61	0.61	32.1	No	0.21	2.5	33	Yes		
995918	SR 119	8.35	Unnamed	Big Cr	16	Culvert	RND	1.1	CAL	0.61	0.61	12.2	No	0.13	2.8	67	No	70	
995924	SR 119	10.8	Unnamed	Lk Cushman	16	Culvert	RND	1.1	CST	0.46	0.46	21.6	No	0.9	12	0	No	54	
990962	SR 121	4.04	Blooms Ditch	Black R	23.0684	Culvert	RND	1.1	PCC	1.22	1.22	12.4	No	0	1.2	67	Yes		
991939	SR 16	14.63	Unnamed	McCormick Cr	15	Culvert	RND	1.1	PCC	0.76	0.76	131.1	Unk	0	4.04	0	Yes	1791	21.29
991941	SR 16	14.86	McCormick Cr	Henderson Bay	15.0065	Culvert	RND	1.1	OTH	1.22	1.22	67.1	Unk	0		33	Yes	2401	21.42
991942	SR 16	15.02	Unnamed	McCormick Cr	15.0066	Culvert	RND	1.1	CST	0.46	0.46	78.6	No	0	6.96	0	Yes	1859	24.47
105 K051618a	SR 16	16.59	Goodnough Cr	Henderson Bay	15.0063	Culvert	RND	1.1	CST	1.25	1.25	141.6	No	0.65	6.75	33	Yes		
996760	SR 16	19.28	Unnamed	Burley Cr	15	Culvert	RND	1.1	OTH	0.61	0.61	73.3	No	0.82	9.84	0	No	115	
991866	SR 16	19.54	Unnamed	Burley Cr	15	Culvert	RND	1.1	PCC	0.91	0.91	81.6	No	0.55	7.8	0	Yes	216	2.58
998155	SR 16	20.06	Unnamed	Burley Cr	15	Culvert	RND	1.1	OTH	0.91	0.91	56.5	No	0.25	5.13	0	No	180	
991516	SR 16	20.36	Unnamed	Burley Cr	15	Culvert	RND	1.1	PCC	1.07	1.07	45.7	No		3.5	33	Yes	817	8.04
991867	SR 16	20.44	Unnamed	Burley Cr	15	Culvert	RND	1.1	PCC	0.91	0.91	76.2	No			33	Yes		
996752	SR 16	21.58	Unnamed	Burley Cr	15	Culvert	RND	1.1	OTH	1.07	1.07	89.5	No	0	4.1	0	Yes		
990050	SR 16	22.7	Burley Cr	Henderson Bay	15.0056	Culvert	RND	1.1	PCC	1.37	1.37	137.2	No	0	1	67	Yes		
990270	SR 16	27.1	Unnamed	Ross Cr	15.021	Culvert	RND	1.1	CST	1.22	1.22	140.2	No	0.1	2.5	0	Yes	4778	26.45
990017	SR 16	28.1	Anderson Cr	Sinclair Inlet	15.0211	Culvert	RND	1.1	PCC	1.52	1.52	63.8	No	0	1.8	33	Yes	9295	32.33
991944	SR 16 Off Ext 15	15.21	McCormick Cr	Henderson Bay	15.0065	Culvert	RND	1.1	CST	1.52	1.52	57.1	No	0	1.26	33	Yes	4851	34.69
990366	SR 160	2.29	Salmonberry Cr	Long Lk	15.0188	Culvert	SQSH	1.1	SPS	2.26	1.71	18.8	No	0.46	0.2	33	Yes		
991567	SR 160	4.5	Unnamed	Curley Cr	15.0186	Culvert	RND	1.1	CST	0.76	0.76	53.4	No	0.32	4.5	0	Yes		
996955	SR 160	6.06	Unnamed	Puget Sound	15.0181	Culvert	RND	1.1	PCC	0.46	0.46	35.6	No	0	1.1	33	No	129	
990970	SR 161	1.02	Unnamed	Mashel R	11	Culvert	RND	1.1	PCC	1.22	1.22	12.6	No	0.75	1.2	0	No	176	
990971	SR 161	1.33	Unnamed	Mashel R	11	Culvert	RND	1.1	PCC	0.46	0.46	14	No	0	2.2	67	No	112	
995475	SR 161	14.89	Unnamed	Unnamed	11.0036	Culvert	RND	1.1	PCC	0.91	0.91	16	No	0.4	1.1	33	Yes		
105 S011918a	SR 161	32.78	Unnamed	Hylebos Cr	10.0015	Culvert	RND	1.1	PCC	0.61	0.61	41.7	No	0	7.36	33	No	113	
997974	SR 161	32.9	Unnamed	Unnamed	10	Culvert	RND	1.1	PCC	0.61	0.61	32.5	No	0	5.3	0	Yes		
991215	SR 162	4.82	Ball Cr	Puyallup R	10.0405	Culvert	RND	1.2	OTH	0.45	0.45	18.4	No	0	1.5	67	Yes	2482	14.01
991215	SR 162	4.82	Ball Cr	Puyallup R	10.0405	Culvert	RND	2.2	OTH	0.45	0.45	17.6	No	0	2.3	67	Yes	2482	14.01

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105 R021121a	SR 162	11.04	Card Cr	Carbon R	10	Culvert	BOX	1.1	CPC	0.95	0.63	9.2	No	0	1.85	67	Yes	2908	23.48
105 R032517a	SR 162	12.42	Rauch Cr	Carbon R	10	Culvert	RND	1.1	CST	0.76	0.76	14.2	No	0	2.04	67	Yes		
105 R032918d	SR 162	12.44	Rauch Cr	Carbon R	10	Culvert	RND	1.1	CST	0.76	0.76	14.2	No	0	3.08	67	Yes		
105 R033020A	SR 162	16.66	Unnamed	South Prairie Cr	10	Culvert	RND	2.2	PCC	0.76	0.76	11.9	No	0	0.8	67	Yes		
105 R033020A	SR 162	16.66	Unnamed	South Prairie Cr	10	Culvert	RND	1.2	PCC	0.76	0.76	11.7	No	0	1.1	67	Yes		
105 R040517a	SR 162	19.11	Unnamed	South Prairie Cr	10	Culvert	RND	1.1	PCC	0.91	0.91	49.3	No	0.27	7.7	33	Yes		
105 R033018B	SR 165	19.76	Spiketon Cr	South Prairie Cr	10.0449	Culvert	BOX	1.1	CPC	1.15	1.25	10.6	No	0	2.65	67	Yes		
15.0201 0.90	SR 166	4.52	Wilson Cr	Sinclair Inlet	15.0201	Culvert	BOX	1.1	CPC	1.22	1.22	94.9	No	0	3	33	Yes		
991211	SR 167	10	Milwaukee Canal	White R	10.0032	Culvert	ARCH	2.2	SPS	4.31	2.7	64.3	No	0.13	-0.48	67	Yes		
991211	SR 167	10	Milwaukee Canal	White R	10.0032	Culvert	ARCH	1.2	SPS	4.31	2.7	64.2	No	0.1	-0.38	67	Yes		
105 R050320a	SR 167 NB ext 8	0.16	Jovita Cr	Milwaukee Canal	10.0033	Culvert	SQSH	2.2	CST	2.36	1.85	113.4	No	0	1.07	67	Yes	4075	22.4
105 R050320a	SR 167 NB ext 8	0.16	Jovita Cr	Milwaukee Canal	10.0033	Culvert	SQSH	1.2	CST	2.36	1.85	113.4	No	0	1.07	67	Yes	4075	22.4
105 R050320b	SR 167 off ext 8	10.67	Milwaukee Canal	White R	10.0034	Culvert	BOX	1.2	CPC	3.95	2.4	39.4	No	0	-0.2	67	Yes		
105 R050320b	SR 167 off ext 8	10.67	Milwaukee Canal	White R	10.0034	Culvert	BOX	2.2	CPC	3.95	2.4	40.9	No	0	-0.2	67	Yes		
996288	SR 167 off ext 8	0.04	Unnamed	Milwaukee Canal	10	Culvert	RND	1.1	CST	1.37	1.37	88.5	No	0.29	1	33	Yes		
995526	SR 19	2.49	Unnamed	Ludlow Cr	17	Culvert	RND	1.1	PCC	0.46	0.46	17.9	No	0	3.1	33	No	120	
995529	SR 19	2.93	Unnamed	Ludlow Cr	17	Culvert	RND	1.1	OTH	0.38	0.38	18	No	0	4.2	33	Yes		
995532	SR 19	3.48	Unnamed	Ludlow Cr	17	Culvert	RND	1.1	PCC	0.46	0.46	22.3	No	0.1	5.6	33	Yes		
990711	SR 19	4.3	Swansonville Cr	EF Chimacum Cr	17.0205A	Culvert	RND	1.1	PCC	0.61	0.61	24.4	Unk	0.76	2	0	Yes	3178	14.11
991579	SR 19	6.82	Unnamed	EF Chimacum Cr	17	Culvert	RND	1.1	PCC	0.61	0.61	19.4	No	0	6.2	33	Unk		
995741	SR 19	8.12	Unnamed	Chimacum Cr	17	Culvert	RND	1.1	PCC	0.91	0.91	25	No	0	3.1	33	No		
995741	SR 19	8.12	Unnamed	Chimacum Cr	17	Culvert	RND	1.1	PCC	0.91	0.91	25	No	0	3.1	33	No		
995743	SR 20	0.65	Unnamed	Discovery Bay	17.0218	Culvert	RND	1.1	CPC	0.92	0.92	60.7	No	1.7	9	0	Yes		
995745	SR 20	1.12	Unnamed	Discovery Bay	17	Culvert	BOX	1.1	CPC	0.92	0.92	32.4	No	0.53	15.9	0	No	40	
995748	SR 20	1.39	Unnamed	Discovery Bay	17.0217	Culvert	BOX	1.1	CPC	0.92	0.92	0.9	No	0.97		0	No	59	
995753	SR 20	3.67	Unnamed	Discovery Bay	17	Culvert	BOX	1.1	CPC	0.92	0.92	44.2	No	1	2.6	0	Yes		
995759	SR 20	11.63	Kah Tai Sl	Port Townsend Bay	17	Culvert	RND	1.1	PCC	0.3	0.3	339.7	Unk	0		33	Yes		
997235	SR 3	4.67	Unnamed	Oakland Bay	14	Culvert	RND	1.1	PCC	0.83	0.83	56.4	No	0	4.9	0	Yes		
997365	SR 3	7.16	Unnamed	Oakland Bay	14.005	Culvert	RND	1.1	PCC	0.46	0.46	17.5	No	0.6	6.6	0	Yes	661	12.59
997368	SR 3	7.59	Unnamed	Oakland Bay	14	Culvert	RND	1.1	PCC	0.46	0.46	17.9	No	0.32	4.9	0	Yes		
997369	SR 3	7.96	Unnamed	Oakland Bay	14	Culvert	RND	1.1	CAL	0.61	0.61	31.7	No	0.2	2.5	33	No	88	
997371	SR 3	8.28	Unnamed	Oakland Bay	14	Culvert	RND	1.1	PCC	0.61	0.61	13.9	No	0.24	2.6	33	Yes		
991987	SR 3	21.29	Unnamed	Case Inlet	15	Culvert	RND	1.1	CST	0.45	0.45	40.4	No	0	3.7	33	No	29	
991795	SR 3	23.94	Unnamed	Hood Canal	14	Culvert	RND	1.1	PCC	0.6	0.6	24.2	No		4.8	0	Yes		
991796	SR 3	24.71	Unnamed	Lynch Cove	14	Culvert	RND	1.1	PCC	0.46	0.46	36	No	1.07	8	0	Yes		
996734	SR 3	25.15	Unnamed	Hood Canal	15.0123	Culvert	RND	1.1	PCC	0.61	0.61	15.9	No	0.4	6.5	0	Yes		
991993	SR 3	28	Gorst Cr	Puget Sound	15.0216	Other										0	Yes	1277	10.49
991728	SR 3	29.63	Unnamed	Union R	15.0512	Culvert	BOX	1.1	PCC	1.22	1.22	13.7	Unk	0.34	2.5	0	Yes	915	9.7
990168	SR 3	32.1	Gorst Cr	Sinclair Inlet	15.0216	Culvert	BOX	1.1	CPC	1.25	1.25	53	Yes	0	1.96	33	Yes	1277	10.49
991585	SR 3	34.27	Unnamed	Gorst Cr	15.0217	Culvert	RND	1.1	PCC	0.91	0.91	68.7	No	0	4.7	33	Yes		
996508	SR 3	38.41	Unnamed	Puget Sound	15.0226	Culvert	RND	1.1	PCC	1.07	1.07	359.2	No	1.3	2.2	0	Yes		
996796	SR 3	39.45	Unnamed	Dyes Inlet	15	Culvert	RND	1.1	CST	0.61	0.61	85.2	No	0.57	3.8	0	No	137	

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
15.0229 0.10	SR 3	40.96	Chico Cr	Dyes Inlet	15.0229	Culvert	BOX	2.2	CPC	2.45	2.45	119.7	No		0.4	67	Yes	35048	48
15.0229 0.10	SR 3	40.96	Chico Cr	Dyes Inlet	15.0229	Culvert	BOX	1.2	CPC	2.44	2.44	122.3	No	0	0.4	67	Yes	35048	48
996742	SR 3	41.52	Unnamed	Dyes Inlet	15.0241	Culvert	RND	1.1	CST	1.07	1.07	99.8	No		6	0	Yes		
996745	SR 3	41.81	Unnamed	Dyes Inlet	15	Culvert	RND	1.1	CST	0.61	0.61	93.1	No		11.4	0	Yes		
996747	SR 3	42.21	Unnamed	Dyes Inlet	15.0243	Culvert	RND	1.1	CST	0.91	0.91	88.2	No		9.66	0	Yes		
996748	SR 3	42.56	Unnamed	Dyes Inlet	15.0244	Culvert	RND	1.1	OTH	1.22	1.22	223.9	No	0	7.3	0	Yes		
996856	SR 3	43.58	Koch Cr	Dyes Inlet	15.0245	Culvert	OTH	1.1	CST	1.07	1.07	0.9	No	0.7		0	No	48	
990708	SR 3	44.62	Unnamed	Strawberry Cr	15.0247	Culvert	RND	1.1	CST	1.22	1.22	93.9	Unk	1	3.5	0	Yes	495	15.51
15.0246 0.96	SR 3	44.8	Strawberry Cr	Dyes Inlet	15.0246	Culvert	RND	1.1	CPC	1.68	1.68	0.9	Unk			67	Yes	1998	16.33
993013	SR 3	46.09	Unnamed	Clear Cr	15	Culvert	RND	1.1	CAL	0.61	0.61	112.7	No	0	5.6	33	Yes	407	10.35
996801	SR 3	46.82	Unnamed	Clear Cr	15	Culvert	RND	1.1	CAL	0.46	0.46	100.8	No	0.9	8.15	0	Yes		
996804	SR 3	49.48	Big Scandia	Liberty Bay	15.028	Culvert	RND	1.1	CST	1.37	1.37	66.4	No	0.25	1.3	33	Yes		
991241	SR 3	50.85	SF Johnson Cr	Johnson Cr	15.0282	Culvert	RND	1.1	CST	0.91	0.91	182.9	No	0.18	8	0	Yes	200	6.19
990218	SR 3	50.94	MF Johnson Cr	Liberty Bay	15.0283	Culvert	RND	1.1	CST	1.52	1.52	121.9	No	0	5	0	Yes	252	14.43
991744	SR 3	52.21	Johnson Cr	Liberty Bay	15.0283	Culvert	RND	1.1	CST	0.92	0.92	67.4	No	0.22	2.87	0	Yes	1050	9.06
991242	SR 3	57.23	Unnamed	Kinman Cr	15	Culvert	RND	1.1	PCC	0.76	0.76	27.3	No	0	2.64	0	Yes		
991613	SR 3	57.87	Unnamed	Hood Canal	15	Culvert	RND	1.1	PCC	0.61	0.61	30.6	No	0.04	2.91	33	Yes		
991240	SR 3	58.21	Unnamed	Hood Canal	15	Culvert	RND	1.1	PCC	0.61	0.61	27.4	No	0.03	4	0	Yes	1689	12.71
990395	SR 3	58.49	Spring Cr	Hood Canal	15.0364	Culvert	RND	1.1	PCC	0.91	0.91	33.2	Unk	0	1.79	0	Yes	1441	13.37
996810	SR 3	59.39	Unnamed	Hood Canal	15.0363	Culvert	RND	1.1	OTH	0.61	0.61	80.9	No	0	5.68	0	No	115	
991612	SR 3	59.52	Unnamed	Hood Canal	15.0361	Culvert	RND	1.1	PCC	0.61	0.61	40.1	No	0	6.4	0	Yes		
996811	SR 3	59.55	Unnamed	Unnamed	15.0362	Culvert	RND	1.1	PCC	0.61	0.61	36.6	No	0	5.17	0	Yes		
996795	SR 3 on ramp	0.03	Unnamed	Chico Cr	15.024	Culvert	RND	1.1	CAL	0.91	0.91	53.8	No	0	2.56	33	Yes	1215	12.86
991907	SR 3 ROW	40.97	Unnamed	Chico Cr	15.024	Culvert	RND	1.1	CST	0.91	0.91	14.6	No	0.5	2.2	33	Yes	1587	16.26
996794	SR 3 SB off ramp	0.27	Unnamed	Chico Cr	15.024	Culvert	RND	1.1	OTH	0.61	0.61	129.9	No	0	3.8	0	Yes	1019	8.43
996798	SR 3 SB on ramp	0.1	Unnamed	Dyes Inlet	15.0228	Culvert	RND	1.1	CST	0.61	0.61	156.3	No	1.73	6.4	0	Yes		
996699	SR 300	2.36	Unnamed	Union R	15	Culvert	RND	1.1	OTH	1.22	1.22	13.5	No	0.2	2.01	67	Yes		
996700	SR 300	2.38	Unnamed	Union R	15	Culvert	RND	1.1	PCC	0.46	0.46	15.9	No	0	2.45	67	No	89	
991520	SR 302	0.6	Unnamed	Case Inlet	14.0108	Culvert	RND	1.1	PCC	0.91	0.91	18.3	Unk	0.24	3.5	67	Unk		
991559	SR 302	0.9	Unnamed	North Bay	15.0001	Culvert	RND	1.1	CST	0.76	0.76	25.9	No	0.64	1	0	Yes	483	11.44
996763	SR 302	1.25	Unnamed	Coulter Cr	15	Culvert	RND	2.2	CST	0.46	0.46	30.8	No	0.32	1.4	0	No	128	
996763	SR 302	1.25	Unnamed	Coulter Cr	15	Culvert	RND	1.2	CST	0.46	0.46	31	No	0.36	1.52	0	No	128	
996765	SR 302	1.86	Unnamed	North Bay	15	Culvert	RND	1.1	OTH	0.46	0.46	11.5	No	0.06	3.8	0	Yes		
991522	SR 302	2.1	Unnamed	North Bay	15	Culvert	RND	1.1	PCC	0.91	0.91	14	No	0	0.56	67	Yes		
991239	SR 302	2.36	Unnamed	Case Inlet	15	Culvert	RND	1.1	CST	0.46	0.46	14.2	No	0.55	2.25	0	Yes		
991523	SR 302	2.48	Unnamed	North Bay	15	Culvert	RND	1.1	CST	0.91	0.91	16.4	No	0.34	4.6	0	Yes		
991526	SR 302	4.6	Unnamed	Case Inlet	15	Culvert	RND	1.1	OTH	0.61	0.61	19.2	No	0.6	6.9	0	No	171	
991527	SR 302	5.5	Unnamed	Rocky Bay	15	Culvert	RND	1.1	PCC	1.37	1.37	57.8	No	0	4.8	33	Yes		
15.0051 0.10	SR 302	11.36	Little Minter Cr	Minter Cr	15.0051	Culvert	BOX	1.1	CPC	1.83	1.22	17.1	Unk			67	Yes	4506	
15.0051 0.20	SR 302	11.42	Little Minter Cr	Minter Cr	15.0051	Culvert	BOX	1.1	CPC	1.83	1.25	16.8	Unk			67	Yes	4345	
996783	SR 302	15.95	Unnamed	Henderson Bay	15	Culvert	RND	1.1	PCC	0.76	0.76	63.1	No	0	1.8	33	Yes		
105 K051518a	SR 302	16.15	Goodnough Cr	Henderson Bay	15.0063	Culvert	RND	1.1	PCC	1.38	1.38	63.6	No	0	4.1	33	Yes		

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
996785	SR 302	16.44	Unnamed	Henderson Bay	15	Culvert	RND	1.1	PCC	0.31	0.31	122	No	2		0	No	77	
15.0060 0.10	SR 302 ROW	16.09	Purdy Cr	Burley Lagoon	15.006	Culvert	OTH	1.1	OTH	1.55	1.56	0.9	Unk			67	Yes	6437	
994085	SR 303 off-ramp	0.16	Hoot Cr	Barker Cr	15.0256C	Culvert	RND	1.2	CST	0.91	0.91	19	No	0	0.05	67	Yes		
994085	SR 303 off-ramp	0.16	Hoot Cr	Barker Cr	15.0256C	Culvert	RND	2.2	CST	0.91	0.91	18.6	No	0	0.3	67	Yes		
994086	SR 303 on-ramp	0.05	Hoot Cr	Barker Cr	15.0256C	Culvert	RND	1.2	CST	0.91	0.91	36.7	No	0	1.72	33	Yes		
994086	SR 303 on-ramp	0.05	Hoot Cr	Barker Cr	15.0256C	Culvert	RND	2.2	CST	0.91	0.91	0.9	Unk	0		33	Yes		
994320	SR 305	0.38	Unnamed	Eagle Harbor	15.0324	Culvert	RND	1.1	OTH	1.22	1.22	103.8	No	0.06	5	0	Yes	1873	26.26
994324	SR 305	0.73	Unnamed	Eagle Harbor	15.0324	Culvert	RND	1.1	PCC	0.76	0.76	49.7	No	1.1	2.29	0	Yes	1151	21.41
994325	SR 305	2.44	Unnamed	Murden Cove	15.0321	Culvert	BOX	1.1	CPC	1.52	1.22	46.4	No	0	0.32	33	Yes	2358	29.44
994326	SR 305	3.73	Unnamed	Murden Cove	17.0344	Culvert	RND	1.1	PCC	0.76	0.76	39.7	No	0.65	5	0	No	0	
991958	SR 305	7.28	Klebeal Cr	Agate Passage	15.0296	Culvert	RND	1.1	PCC	1.22	1.22	61.3	No	0	2.46	0	Yes	3767	29.48
994327	SR 305	8.94	Unnamed	Liberty Bay	15.0293	Culvert	RND	1.2	PCC	0.91	0.91	89.3	No	0.86	2.51	0	Yes		
994327	SR 305	8.94	Unnamed	Liberty Bay	15.0293	Culvert	RND	2.2	PCC	0.91	0.91	88.7	No	2.35	0.81	0	Yes		
990709	SR 305	9.6	Unnamed	Liberty Bay	15.0291	Culvert	RND	1.2	PCC	0.91	0.91	70.1	Unk	0.3		0	Yes	2803	24.15
990709	SR 305	9.6	Unnamed	Liberty Bay	15.0291	Culvert	RND	2.2	PCC	0.91	0.91	70.1	Unk	0.15		0	Yes	2803	24.15
991742	SR 305	9.88	Bjorgen Cr	Liberty Bay	15.029	Culvert	RND	1.1	PCC	0.91	0.91	39.6	No	1.63	1	0	Yes	1520	17.21
991855	SR 305	12.59	Unnamed	SF Dogfish Cr	15	Culvert	RND	1.1	PCC	0.46	0.46	24.1	No	0	1.78	67	Yes		
996943	SR 305 ROW	12.16	SF Dogfish Cr	Dogfish Cr	15	Culvert	RND	1.1	PCC	0.46	0.46	11.1	No	0	0.8	33	Yes		
990122	SR 307	0.07	Dogfish Cr	Liberty Bay	15.0285	Culvert	RND	1.1	PCC	1.5	1.5	16.9	No	0.08	0.17	67	Yes	14836	32.07
990123	SR 307	0.49	Dogfish Cr	Liberty Bay	15.0285	Culvert	RND	1.1	PCC	1.21	1.21	14.7	No	0.15	0.75	33	Yes	7891	27.97
991997	SR 307	0.98	Unnamed	Unnamed	15	Culvert	RND	1.1	PCC	0.45	0.45	16.5	No	0	5.2	0	Yes	480	5.99
991998	SR 307	0.98	Unnamed	Unnamed	15	Culvert	RND	1.1	PCC	0.3	0.3	9.5	No	0.32	5.46	0	Yes	480	5.99
991999	SR 307	1.34	Unnamed	Dogfish Cr	15.0286	Culvert	RND	1.1	CST	1.21	1.21	21.4	No	0.6	0.32	67	Yes	3372	20.92
991572	SR 307	1.45	Unnamed	Unnamed	15	Culvert	RND	1.1	CST	1.21	1.21	33.8	No	0.35	2.15	33	Yes	1024	16.41
991851	SR 307	2.5	Unnamed	Gamble Cr	15.0358	Culvert	RND	1.1	OTH	0.45	0.45	336	Unk	0	3.5	0	Yes	220	9.23
996931	SR 308	0.3	Clear Cr	Puget Sound	15.0249	Culvert	RND	1.1	PCC	0.91	0.91	34.1	Unk	0	1.67	33	Yes		
990235	SR 308	0.94	Big Scandia Cr	Puget Sound	15.028	Culvert	RND	1.1	CST	1.83	1.83	47	No	0	1.26	33	Yes		
15.0280 1.00	SR 308	1.15	Big Scandia Cr	Liberty Bay	15.028	Culvert	RND	1.1	SPS	1.85	1.85	0.9	Unk			67	Yes		
992008	SR 308	1.33	Little Scandia Cr	Liberty Bay	15.0279	Culvert	RND	1.1	CST	1.05	1.05	100.3	No	0.1	2.76	0	Yes		9.03
991000	SR 308	2.16	Unnamed	Puget Sound	15.0278	Culvert	RND	1.1	PCC	0.76	0.76	34.1	Unk	0	2.43	0	Yes		
996933	SR 308	2.41	Unnamed	Liberty Bay	15	Culvert	RND	1.1	PCC	0.46	0.46	21.8	No	0	3.4	0	No	110	
996932	SR 308	2.57	Unnamed	Liberty Bay	15.0277	Culvert	RND	1.1	PCC	0.61	0.61	26.6	No	0.6	5.5	0	Yes		
996617	SR 410	14.04	Fennel Cr	Puyallup R	10.0406	Culvert	BOX	1.2	CPC	1.83	1.83	51	No	0	0.2	67	Yes		
996617	SR 410	14.04	Fennel Cr	Puyallup R	10.0406	Culvert	BOX	2.2	CPC	1.83	1.83	51	No	0	0.2	67	Yes		
996618	SR 410	17.26	Fennel Cr	Puyallup R	10.0406	Culvert	RND	1.1	PCC	0.76	0.76	22.3	No	0	0.4	67	Unk		
996619	SR 410	21.73	Unnamed	LkTapps Canal	10	Culvert	RND	1.1	PCC	0.91	0.91	26.9	No	0.1	1.1	0	Yes		
125 1502W11B	SR 507	0.99	Unnamed	Skookumchuck R	23	Culvert	RND	1.1	PCC	1.25	1.25	0.9	No	0	1	33	Yes		
997703	SR 507	18.9	Unnamed	McIntosh Lk	13	Culvert	RND	1.1	PCC	1.22	1.22	28.4	No	0	1	67	Yes		
995893	SR 507	30.61	Schorno Cr	Nisqually R	11.0055	Culvert	RND	1.1	SPS	2.25	2.25	29.4	No	0	1.1	33	Yes		
990656	SR 510	5.64	Unnamed	McAllister Cr	11.0328	Culvert	RND	1.1	PCC	0.61	0.61	100.6	Yes	0	1	67	Yes	1449	9.18
991052	SR 510	6.28	Unnamed	McAllister Cr	11	Culvert	RND	1.1	OTH	0.61	0.61	31.3	No	0.5	5.5	0	No	170	
991051	SR 510	12.97	Thompson Cr	Nisqually R	11.0041	Culvert	RND	1.1	PCC	1.37	1.37	16.1	No	0.18	1.4	33	No	115	

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
997920	SR 512	3.3	Unnamed	Clover Cr	12.0015	Culvert	RND	1.1	CST	1.22	1.22	71.8	No	0.22	0.6	67	Yes		
997605	SR 7	17.38	Unnamed	Alder Lk	11	Culvert	RND	1.1	PCC	0.91	0.91	29.2	No	0	9	0	No	31	
997609	SR 7	18.28	Unnamed	Alder Lk	11	Culvert	RND	1.1	PCC	0.61	0.61	24.6	No	0	2.7	33	No	7	
997612	SR 7	18.5	Unnamed	Alder Lk	11	Culvert	RND	1.1	PCC	0.76	0.76	27	No	0	6	0	No	33	
990677	SR 7	19.15	Unnamed	Alder Lk	11	Culvert	RND	1.1	PCC	0.76	0.76	35.8	No	0.48	12.9	0	Yes		
997615	SR 7	19.79	Unnamed	Alder Lk	11	Culvert	RND	1.1	PCC	0.61	0.61	35.7	No	0	7.8	33	No	185	
990679	SR 7	21.3	Unnamed	Alder Lk	11.0136	Culvert	RND	1.2	PCC	0.91	0.91	36.6	No	0.05	4	33	Yes		
990679	SR 7	21.3	Unnamed	Alder Lk	11.0136	Culvert	RND	2.2	PCC	0.91	0.91	36.6	No	0.05	4	33	Yes		
990680	SR 7	21.41	Unnamed	Alder Lk	11	Culvert	RND	1.1	PCC	0.61	0.61	25.2	No	0.32	2.94	33	Yes		
990681	SR 7	21.58	Unnamed	Alder Lk	11	Culvert	RND	1.1	PCC	0.91	0.91	57.9	No	0.02	1.8	67	Yes		
990682	SR 7	21.68	Unnamed	Alder Lk	11.0133	Culvert	BOX	1.1	PCC	1.52	1.52	37.3	No	0	4.7	67	Yes		
990683	SR 7	22.83	Unnamed	La Grande Reservoir	11.013	Culvert	RND	1.1	PCC	0.76	0.76	25.9	No	0.2	3	33	Yes		
990684	SR 7	23.32	Unnamed	La Grande Reservoir	11.0129	Culvert	BOX	1.1	CPC	1.28	0.93	48	No	2	12.44	0	No	6	
990685	SR 7	24.83	Unnamed	Nisqually R	11.0128	Culvert	RND	1.1	CST	0.76	0.76	26	No	0.5	7	0	No	0	
997623	SR 7	28.02	Unnamed	Mashel R	11	Culvert	RND	1.1	SST	0.61	0.61	36.1	No	0.32	0.5	33	No	75	
990686	SR 7	32.4	Unnamed	Silver Lk	11	Culvert	RND	1.1	PCC	0.46	0.46	18.4	No	0.12	0.59	67	Yes		
997628	SR 7	33.52	Unnamed	Cranberry Lk	11	Culvert	RND	1.1	PCC	0.46	0.46	13.4	No	0	2.31	67	No	136	
991225	SR 7	37.5	Unnamed	South Cr	11.0032	Culvert	SQSH	1.1	CST	1.39	0.99	23.3	No	0	4	67	Yes		
990297	SR 7	41.17	Muck Cr	Nisqually R	11.0018	Culvert	BOX	1.2	CPC	1.52	1.55	26.1	No	0	1.1	67	Yes		
990297	SR 7	41.17	Muck Cr	Nisqually R	11.0018	Culvert	BOX	2.2	CPC	1.52	1.55	26.3	No	0	1	67	Yes		
991229	SR 702	4.53	Unnamed	Nisqually R trib	11.0058	Culvert	RND	1.1	CST	0.91	0.91	16.5	No	0	1.5	67	Yes		
995899	SR 702	5.6	Unnamed	Horn Cr	11	Culvert	RND	1.1	PCC	0.61	0.61	17.2	No	0	1.9	67	No	10	
995476	SR 706	0.2	Unnamed	Nisqually R	11	Culvert	RND	1.1	PCC	1.07	1.07	32.1	No	0.62	1.9	33	Yes		
991226	SR 706	1.75	Unnamed	Nisqually R	11	Culvert	BOX	1.1	CPC	1.83	1.54	19.7	No	0.09	1.3	67	Yes		
991235	SR 706	6.01	Unnamed	Nisqually R	11	Culvert	RND	1.1	PCC	0.91	0.91	20.5	No	0.09	2.5	67	Yes		
991637	SR 706	8	Unnamed	Nisqually R	11	Culvert	SQSH	1.1	CST	1.5	0.96	36.1	No	0	4.5	33	Yes		
995074	SR 706	10.43	Unnamed	Nisqually R	11.0224	Culvert	RND	2.2	PCC	0.91	0.91	15.4	No	0.7	0.8	0	Yes		
995074	SR 706	10.43	Unnamed	Nisqually R	11.0224	Culvert	RND	1.2	PCC	0.91	0.91	15.1	No	0.55	1.8	0	Yes		
995095	SR 706	10.45	Unnamed	Unnamed	11	Culvert	RND	1.1	PCC	0.76	0.76	25.6	No	0	1.3	67	Yes		
995077	SR 706	11.62	Unnamed	Nisqually R	11	Culvert	RND	1.1	PCC	1.22	1.22	18.7	No	2.2	10	0	No	169	
991063	SR 8	0.1	Unnamed	Cloquallum Cr	22	Culvert	RND	1.1	CST	0.91	0.91	72.8	No	0	1.5	33	Yes	234	9.5
993723	SR 8	1.27	Unnamed	Cloquallum Cr	22	Culvert	RND	1.1	PCC	0.46	0.46	50.8	No	0	0.6	67	Yes	767	13.28
993727	SR 8	1.37	Unnamed	Unnamed	22	Culvert	RND	1.1	PCC	0.46	0.46	52	Yes	0	0.5	33	No	155	
993724	SR 8	3.16	Unnamed	Wildcat Cr	22	Culvert	RND	1.1	CST	1.3	1.3	62.3	No	0	5.5	0	Yes	1393	11.91
993725	SR 8	3.51	Unnamed	Wildcat Cr	22	Culvert	RND	1.1	CST	0.91	0.91	51.8	No	0	10	0	Yes	346	10.25
991066	SR 8	3.72	Unnamed pond	Wildcat Cr	22	Culvert	RND	1.1	CST	0.76	0.76	72	No	0.38	0.3	0	Yes	418	14.17
22.0507	0.10 SR 8	5	MF Wildcat Cr	Wildcat Cr	22.0507	Culvert	BOX	1.1	CPC			0.9	Unk			33	Yes	9978	
990770	SR 8	6.1	Unnamed	EF Wildcat Cr	22	Culvert	RND	1.1	CST	0.91	0.91	46.1	No	0	0.6	67	Yes	359	8.77
990133	SR 8	6.3	EF Wildcat Cr	Wildcat Cr	22.0503A	Culvert	BOX	2.2	PCC	2.87	2.44	89.9	No	0.06	0.25	33	Yes	21924	52.71
990133	SR 8	6.3	EF Wildcat Cr	Wildcat Cr	22.0503A	Culvert	BOX	1.2	CPC	3.06	2.43	90	No	0.06	0.3	33	Yes	21924	52.71
990773	SR 8	9.1	Unnamed	Mox Chehalis Cr	22	Culvert	BOX	1.1	CPC	1.22	1.22	42.8	No	0	0.81	33	Yes	2481	20.63
990693	SR 8	12.15	Unnamed	Kennedy Cr	14	Culvert	BOX	1.1	PCC	1.22	0.91	30.5	No	1.28	3	0	Yes	1770	3.61

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
990694	SR 8	12.16	Unnamed	Kennedy Cr	14	Culvert	BOX	1.1	PCC	1.22	0.91	31.1	No	0	6	0	Yes	1770	3.61
990695	SR 8	13.25	Unnamed	Kennedy Cr	14	Culvert	BOX	1.1	PCC	1.83	1.22	50.4	No	0	6.15	0	Yes		
997197	SR 8	13.25	Unnamed	Kennedy Cr	14	Culvert	BOX	1.1	PCC	1.83	1.22	38	No	0	1.93	33	Yes		
990692	SR 8	13.51	Unnamed	Kennedy Cr	14	Culvert	BOX	1.2	PCC	1.52	1.22	42	No	0.12	4.77	0	Yes	1354	3.54
990692	SR 8	13.51	Unnamed	Kennedy Cr	14	Culvert	BOX	2.2	PCC	1.52	1.22	42	No	0.2	4.77	0	Yes	1354	3.54
997198	SR 8	13.51	Unnamed	Kennedy Cr	14	Culvert	BOX	2.2	PCC	1.52	1.22	43.7	No	0.29	4.41	0	Yes	1354	3.23
997198	SR 8	13.51	Unnamed	Kennedy Cr	14	Culvert	BOX	1.2	PCC	1.52	1.22	43.7	No	0.29	4.41	0	Yes	1354	3.23
990696	SR 8	14.09	Unnamed	Kennedy Cr	14	Culvert	BOX	1.1	PCC	1.83	1.22	51	No	0	1.27	33	Yes	1217	2.72
990697	SR 8	14.8	Unnamed	Kennedy Cr	14	Culvert	RND	1.2	PCC	0.76	0.76	48.2	No	0.03	0.7	67	Yes	395	1.65
990697	SR 8	14.8	Unnamed	Kennedy Cr	14	Culvert	RND	2.2	PCC	0.76	0.76	48.1	No	0	0.87	67	Yes	395	1.65
990700	SR 8	15.19	Unnamed	Kennedy Cr	14	Culvert	BOX	1.1	PCC	1.83	0.91	60.1	No	0	5.21	0	Yes	1260	2.94
997201	SR 8	15.35	Kennedy Cr	Totten Inlet	14.0012	Culvert	BOX	1.1	PCC	1.83	1.22	50.6	Yes	0	0.71	67	Yes		
997206	SR 8	17.07	Unnamed	Perry Cr	14	Culvert	RND	1.1	PCC	0.61	0.61	47.8	No	0.18	3.62	33	No	75	
990703	SR 8	17.17	Unnamed	Perry Cr	14	Culvert	BOX	1.1	PCC	1.83	1.22	61	No	0	2.5	33	Yes	2483	3.81
990704	SR 8	18.28	Unnamed	Perry Cr	14	Culvert	RND	1.1	PCC	0.91	0.91	24.9	No	0.96	12.76	0	No	156	
997207	SR 8	18.28	Unnamed	Perry Cr	14	Culvert	RND	1.1	PCC	0.91	0.91	16.5	No	0	1.58	67	No	188	
990705	SR 8	18.61	Unnamed	Perry Cr	14	Culvert	RND	1.1	PCC	0.91	0.91	92.3	No	0.3	11.39	0	No	30	
990706	SR 8	18.99	Unnamed	Perry Cr	14	Culvert	RND	1.1	PCC	0.91	0.91	15.2	No	0.75	2.5	0	No	149	
990707	SR 8	18.99	Unnamed	Perry Cr	14	Culvert	RND	1.1	PCC	0.91	0.91	47.6	No	1	12.32	0	No	90	
992493	US 101	68.99	Unnamed	Lower Salmon Cr	24.0106	Culvert	RND	1.2	PCC	0.76	0.76	34.8	No	0	1	67	Yes	4606	17.2
992493	US 101	68.99	Unnamed	Lower Salmon Cr	24.0106	Culvert	RND	2.2	PCC	0.91	0.91	34.1	No	0.24	0.17	67	Yes	4606	17.2
992510	US 101	71.02	Joe Cr	North R	24.0129	Culvert	BOX	1.2	CPC	1.52	1.52	50.5	No	0.25	1.04	67	Yes	6682	24.98
992510	US 101	71.02	Joe Cr	North R	24.0129	Culvert	BOX	2.2	CPC	1.52	1.52	50.5	No	0.25	1.04	67	Yes	6682	24.98
992526	US 101	73.35	Unnamed	Unnamed	24	Culvert	ARCH	1.1	CPC	0.9	1	51.2	No	0	2.3	33	Yes	1405	11.67
992534	US 101	75.05	Unnamed	Little North R	24	Culvert	RND	1.1	CST	0.91	0.91	56.8	No	0.44	2.55	0	Yes	831	12.23
991908	US 101	76.48	Mosquito Cr	North R	24.0137	Culvert	RND	1.1	SST	1.22	1.22	38.7	No	0	1.19	67	Yes	3563	20.36
993670	US 101	80.4	Unnamed	Chehalis R	22	Culvert	RND	1.1	CST	0.91	0.91	84.9	No	0	1.84	0	No	150	
993673	US 101	84.15	Unnamed	Grays Harbor	22	Culvert	OTH	1.1	OTH	0.61	0.61	1438	No	0		0	Yes	2045	13.94
993674	US 101	89.48	Unnamed	Hoquiam R	22	Culvert	RND	1.1	PCC	0.61	0.61	31.1	No	0	0.5	67	Yes	462	7.41
993681	US 101	89.48	Unnamed	Hoquiam R	22	Culvert	RND	1.1	CST	0.61	0.61	20	No	0.5		67	Yes	498	6.25
993679	US 101	90.73	Unnamed	Hoquaim R	22	Culvert	RND	1.1	PCC	0.61	0.61	54.3	No		2	33	Yes	323	17.35
993695	US 101	93.49	Unnamed	WF Hoquiam R	22	Culvert	RND	1.1	PCC	0.91	0.91	23.1	No	0	4.5	33	Yes	300	11.5
990732	US 101	93.79	Unnamed	WF Hoquiam R	22	Culvert	RND	1.1	PCC	0.91	0.91	24.8	No	0	4	0	Yes	940	11.16
993698	US 101	95.46	Unnamed	WF Hoquiam R	22	Culvert	RND	1.1	CST	0.61	0.61	27	No	0.2	1.7	0	No	125	
991691	US 101	96.87	Unnamed	WF Hoquiam R	22	Culvert	RND	1.1	PCC	0.91	0.91	18.3	No	0.18	5	0	No		
993702	US 101	98.47	Unnamed	WF Hoquiam R	22	Culvert	RND	1.1	PCC	0.91	0.91	24.5	No	0	1.7	67	Yes	1037	11.02
993704	US 101	99.45	Unnamed	WF Hoquiam R	22	Culvert	RND	1.1	PCC	0.91	0.91	24.6	No	0	1.8	67	Yes		14.7
990729	US 101	100.9	Unnamed	SB Big Cr trib	22	Culvert	RND	1.1	PCC	0.61	0.61	39.6	No	0.21	3	0	Yes	1202	17.97
990032	US 101	102.14	Unnamed	SB Big Cr	22.0059	Culvert	SQSH	1.1	CST	1.77	1.09	22.1	No	0	-0.5	67	Yes	7870	25.82
993714	US 101	107.42	Mopang Cr	Big Cr	22.0044	Culvert	RND	1.1	PCC	0.99	0.99	31.7	No	0	1.1	67	Yes	400	10.24
993717	US 101	110.84	Unnamed	Stevens Cr	22	Culvert	RND	1.1	PCC	0.61	0.61	33.2	No	0	4.6	33	Yes		
990731	US 101	111.34	Unnamed	Stevens Cr	22.0064A	Culvert	OTH	1.1	OTH	1.22	1.22	22.6	Unk	0	2.2	33	Yes	1162	14.44

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
991690	US 101	111.9	Unnamed	Stevens Cr	22	Culvert	BOX	1.1	PCC	1.72	1.23	28.2	No	0	1.2	67	Yes		
997066	US 101	117.38	Unnamed	Unnamed	20	Culvert	RND	1.1	CST	0.61	0.61	26.1	No	0	2.72	33	Yes		
997302	US 101	118.35	Unnamed	Unnamed	21	Culvert	RND	1.1	PCC	0.76	0.76	42.2	No	0.26	7.1	33	Yes		
997304	US 101	119.6	Unnamed	Skunk Cr	21	Culvert	RND	1.1	PCC	0.61	0.61	14.7	No	0	-0.75	33	Yes		
997305	US 101	120.33	Unnamed	Cook Cr	21	Culvert	RND	1.1	PCC	0.61	0.61	24.3	No	0	1.8	67	Yes		
997307	US 101	121.68	Unnamed	Hathaway Cr	21	Culvert	RND	1.1	PCC	0.76	0.76	25.4	No	0	1.5	67	Yes		
990182	US 101	122.4	Hathaway Cr	Cook Cr	21.0457	Culvert	BOX	1.1	PCC	1.22	1.22	19.5	No	0.09	2.2	33	Yes		
997309	US 101	122.92	Unnamed	McCalla Cr	21	Culvert	RND	1.1	PCC	0.76	0.76	22	No	0.38	0.73	0	Yes		
990276	US 101	123.05	Unnamed	McCalla Cr	21	Culvert	RND	1.1	PCC	0.91	0.91	18.5	No	0.1	1.2	33	Yes		
990537	US 101	125.2	Unnamed	Quinault R	21	Culvert	RND	1.1	PCC	0.91	0.91	25.1	No	0.01	-0.04	33	Yes		
990538	US 101	125.25	Unnamed	Unnamed	21	Culvert	RND	1.1	PCC	0.91	0.91	22.6	No	0.12	0.18	33	No	150	
991653	US 101	126.24	Unnamed	Quinault R	21	Culvert	RND	1.1	PCC	1.47	1.47	29.9	No	0.35	3	0	Yes	278	7.69
990543	US 101	131.96	Unnamed	Ten O Clock Cr	21	Culvert	RND	1.1	PCC	0.91	0.91	17	No	0	2.2	33	Yes		
990544	US 101	132.2	Unnamed	Ten O Clock Cr	21	Culvert	RND	1.1	PCC	0.91	0.91	14.7	No	0	0.95	33	Yes		
990452	US 101	135.26	Unnamed	Lunch Cr	21	Culvert	BOX	1.2	PCC	2.45	1.22	16.1	No	0	0.86	67	Unk		
990452	US 101	135.26	Unnamed	Lunch Cr	21	Culvert	BOX	2.2	PCC	1.22	2.44	13.5	Yes	0	0.9	67	Unk		
990883	US 101	137.35	Crane Cr	Raft R	21.037	Culvert	RND	1.1	CST	1.22	1.22	44.8	Unk	0.12	1	33	Yes		
990548	US 101	142.48	Unnamed	Harlow Cr	21	Culvert	RND	1.1	CST	1.22	1.22	19.5	No	0.46	2	0	Yes	200	
990457	US 101	142.68	Unnamed		21	Culvert	RND	1.1	CST	1.22	1.22	26.1	No	0	0.76	33	Yes	200	
990178	US 101	146.85	Harlow Cr	Queets R	21.0134	Culvert	BOX	1.2	CPC	2.44	1.86	25	Unk		1.5	67	Yes	5525	25.68
990178	US 101	146.85	Harlow Cr	Queets R	21.0134	Culvert	BOX	2.2	CPC	2.44	1.86	25	Unk		1.5	67	Yes	5525	25.68
990148	US 101	147.49	Fisher Cr	Queets R	21.0018	Culvert	BOX	1.2	CPC	1.52	1.22	24.2	No	0.04	1.8	33	Yes	5132	29
990148	US 101	147.49	Fisher Cr	Queets R	21.0018	Culvert	BOX	2.2	CPC	1.52	1.22	24.2	No	0.04	1.9	33	Yes	5132	29
997342	US 101	152.47	Unnamed	Queets R	21	Culvert	SQSH	1.1	CST	1.4	1	33.7	No	0	0.8	67	Yes		
997344	US 101	153.01	Unnamed	Queets R	21	Culvert	RND	1.1	CST	0.61	0.61	35.6	No	0.5	4.4	0	No	91	
991268	US 101	153.76	Unnamed	Pacific Ocean	21.0015	Culvert	BOX	1.1	PCC	1.52	1.52	23.8	No	0.58	3	0	No	72	
997345	US 101	154.27	Unnamed	Pacific Ocean	21.0014	Culvert	BOX	1.1	CPC	1.22	1.22	24.8	No	2.3	7.1	0	No	33	
990549	US 101	154.45	Unnamed	Pacific Ocean	21	Culvert	BOX	1.1	PCC	1.22	1.22	28.5	No	1.37	4.2	0	No	54	
990722	US 101	154.88	Unnamed	Pacific Ocean	21	Culvert	BOX	1.1	PCC	1.22	1.22	39.6	No	1.35	3	33	No	150	
990550	US 101	154.9	Unnamed	Pacific Ocean	21	Culvert	BOX	1.1	PCC	1.22	1.22	25.9	No	0	3.2	67	Yes		
990723	US 101	155.13	Unnamed	Pacific Ocean	21	Culvert	BOX	2.2	PCC	1.22	1.22	39	No	1.37	3	0	Yes	2613	12.78
990723	US 101	155.13	Unnamed	Pacific Ocean	21	Culvert	BOX	1.2	PCC	1.22	1.22	39	No	1.37	3	0	Yes	2613	12.78
991267	US 101	155.35	Unnamed	Pacific Ocean	21.0011	Culvert	BOX	2.2	PCC	1.22	1.22	38.1	Unk		1.8	0	Yes	4193	19.92
991267	US 101	155.35	Unnamed	Pacific Ocean	21.0011	Culvert	BOX	1.2	PCC	1.22	1.22	38.1	No	1.19	1.8	0	Yes	4193	19.92
997355	US 101	155.8	Unnamed	Pacific Ocean	21	Culvert	RND	1.2	PCC	0.61	0.61	16	No	0.83	1.8	0	Yes		
997355	US 101	155.8	Unnamed	Pacific Ocean	21	Culvert	RND	2.2	PCC	0.61	0.61	15.8	No	0.83	1.25	0	Yes		
991276	US 101	156.1	Unnamed	Pacific Ocean	21	Culvert	BOX	1.1	CPC	1.52	1.52	22	No	0	2.5	0	Yes		
991277	US 101	156.15	Unnamed	Pacific Ocean	21	Culvert	RND	1.1	PCC	0.91	0.91	16.8	No	0.3	6	0	Yes		
997349	US 101	158.26	Unnamed	Pacific Ocean	21	Culvert	BOX	1.1	CPC	1.52	1.52	28.3	No	1.6	2	33	Yes	200	
990724	US 101	158.7	Unnamed	Pacific Ocean	21	Culvert	BOX	1.1	PCC	1.52	1.52	34.8	No	3	0.5	0	No	1	
997356	US 101	159.03	Unnamed	Pacific Ocean	21	Culvert	RND	1.1	PCC	0.91	0.91	36	No	0	2	33	No	117	
990725	US 101	159.14	Unnamed	Pacific Ocean	21	Culvert	OTH	1.1	OTH	0.61	0.91	36.4	No	0	4.06	0	No	77	

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
990726	US 101	159.24	Unnamed	Pacific Ocean	21	Culvert	RND	1.1	PCC	0.91	0.91	61	No	0.16	2	67	No	45	
997352	US 101	159.29	Unnamed	Pacific Ocean	21	Culvert	RND	1.1	PCC	0.91	0.91	31.9	No	0.45	6.8	0	No	144	
997353	US 101	159.39	Unnamed	Pacific Ocean	21	Culvert	RND	1.2	PCC	0.61	0.61	40.6	No	0.6	3.9	0	No	66	
997353	US 101	159.39	Unnamed	Pacific Ocean	21	Culvert	RND	2.2	PCC	0.61	0.61	39.5	No	0.6	3.5	0	No	66	
990727	US 101	159.63	Unnamed	Pacific Ocean	20	Culvert	BOX	1.1	CPC	1.55	1.55	61	No	3.5	1	0	No		
996217	US 101	159.94	Unnamed	Pacific Ocean	20	Culvert	RND	1.1	PCC	0.61	0.61	19.2	No	1	4.38	0	No	136	
996218	US 101	160.17	Unnamed	Pacific Ocean	20	Culvert	RND	1.1	PCC	0.61	0.61	22.1	No	0.42	13.9	0	No	81	
996220	US 101	160.42	Unnamed	Pacific Ocean	20	Culvert	RND	1.1	PCC	0.91	0.91	88.5	Yes	2	11.3	0	No	78	
990728	US 101	160.75	Unnamed	Pacific Ocean	20	Culvert	BOX	1.1	PCC	1.52	1.55	39.9	No	0.65	3	33	Yes		
996223	US 101	160.89	Unnamed	Pacific Ocean	20	Culvert	BOX	1.1	CPC	1.53	1.53	33.6	No	0.82	7.61	0	Yes		
990718	US 101	161.07	Unnamed	Pacific Ocean	20	Culvert	BOX	1.1	PCC	0.95	0.95	39.6	No	0.87	2.5	0	Yes		
991261	US 101	161.5	Unnamed	Pacific Ocean	20.0000A	Culvert	RND	1.1	CST	1.22	1.22	56.4	No	1.34	1.5	0	Yes	277	9.19
990400	US 101	162.6	Steamboat Cr	Pacific Ocean	20.0574	Culvert	BOX	2.3	CPC	1.83	1.83	0.9	Yes	0	1	0	Yes	7434	27.53
990400	US 101	162.6	Steamboat Cr	Pacific Ocean	20.0574	Culvert	BOX	3.3	CPC	1.83	1.83	0.9	Yes	0	1	0	Yes	7434	27.53
990400	US 101	162.6	Steamboat Cr	Pacific Ocean	20.0574	Culvert	BOX	1.3	CPC	1.83	1.83	37.5	Yes	0	1	0	Yes	7434	27.53
991262	US 101	163.13	Unnamed	Pacific Ocean	20	Culvert	BOX	1.1	PCC	1.83	1.83	52.4	No	1.65	3	0	Yes	638	
996224	US 101	164.57	Unnamed	Pacific Ocean	20	Culvert	BOX	1.1	PCC	0.91	0.91	57.7	No	0	9.49	0	No	60	
990069	US 101	164.86	Cedar Cr	Pacific Ocean	20.057	Culvert	ARCH	1.1	CPC	8	5.5	30.3	No	0	1.9	67	Yes		
996225	US 101	165.11	Unnamed	Cedar Cr	20	Culvert	RND	1.1	PCC	0.61	0.61	53.8	No	0	12.57	0	No	86	
990551	US 101	168.3	Unnamed	Hoh R	20	Culvert	BOX	1.2	PCC	1.52	1.52	26	No	0	0.81	67	Yes		
990551	US 101	168.3	Unnamed	Hoh R	20	Culvert	BOX	2.2	PCC	1.52	1.52	26	No	0	0.81	67	Yes		
990717	US 101	169.45	Unnamed	Hoh R	20	Culvert	BOX	1.1	PCC	0.91	0.91	18.5	No	0	1	67	Yes		
997051	US 101	169.89	Unnamed	Nolan Cr	20	Culvert	RND	1.1	CST	0.61	0.61	12.3	No	0	1.95	33	Yes		
997052	US 101	169.94	Unnamed	Nolan Cr	20	Culvert	RND	1.1	PCC	0.61	0.61	16.2	No	0	1	33	Yes		
990553	US 101	170.12	Unnamed	Hoh R	20	Culvert	BOX	1.1	PCC	1.54	1.54	27.3	No	0	0.88	67	Yes		
997055	US 101	174.43	Unnamed	Hoh R	20	Culvert	RND	1.1	PCC	0.46	0.46	33	No	0	3.3	67	Yes		
997059	US 101	174.79	Unnamed	Old Joe Sl	20	Culvert	RND	1.1	CST	0.61	0.61	21.1	No	0	17	0	No	14	
991645	US 101	175.04	Unnamed	Old Joe Sl	20	Culvert	RND	1.1	CST	0.84	0.84	26.2	No	0	25	0	No		
991647	US 101	175.45	Unnamed	Hoh R	20	Culvert	BOX	1.1	PCC	1.52	1.52	20.1	No	0.03	0.5	67	Yes	853	8.72
991598	US 101	175.91	Unnamed	Hoh R	20	Culvert	RND	1.1	PCC	0.61	0.61	13.3	No	0	0.6	33	Yes		
997064	US 101	176.12	Unnamed	Hoh R	20	Culvert	RND	1.1	OTH	0.46	0.46	14.4	No	0	1.5	67	Yes		
997063	US 101	176.55	Unnamed	Hoh R	20	Culvert	RND	1.1	PCC	0.61	0.61	17.2	No	0	1.4	0	Yes		
997068	US 101	177.58	Unnamed	Unnamed	20	Culvert	RND	1.1	CST	0.61	0.61	21.5	No	0	2.7	33	Yes		
997070	US 101	177.77	Unnamed	Hoh R	20	Culvert	RND	1.1	CST	0.61	0.61	29.8	No	0.25	3.16	0	No	189	
997071	US 101	177.8	Unnamed	Unnamed	20	Culvert	RND	1.1	CST	0.61	0.61	26.6	No	0.15	2.52	33	Yes		
997072	US 101	177.97	Unnamed	Unnamed	20	Culvert	RND	1.1	PCC	0.61	0.61	22.2	No	0	2.03	33	Yes		
991595	US 101	178.03	Unnamed	Unnamed	20	Culvert	RND	1.1	PCC	0.91	0.91	24.2	No	0	3.72	33	Yes		
991589	US 101	178.3	Unnamed	Hell Roaring Cr	20	Culvert	OTH	1.1	OTH	1.45	1.45	21.3	No	0.18	2	0	Yes		
991590	US 101	178.63	Unnamed	Hell Roaring Cr	20	Culvert	RND	1.1	CST	0.76	0.76	24.4	No	0.7	4	0	Yes		
991591	US 101	179.13	Unnamed	Hell Roaring Cr	20	Culvert	OTH	1.1	OTH	1.83	1.83	30.5	No	0.25	1	33	Yes		
991592	US 101	179.57	Hell Roaring Cr	Hoh R	20.0441	Culvert	OTH	1.1	OTH	1.22	1.22	35	No	0.4	3	0	Yes		
997078	US 101	179.73	Unnamed	Hell Roaring Cr	20	Culvert	RND	1.1	PCC	0.46	0.46	19.5	No	0	1.8	33	Yes		

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
991593	US 101	180.2	Unnamed	EF Hell Roaring Cr	20	Culvert	OTH	1.1	OTH	1.22	0.93	42.7	No	0.05	1	0	Yes		
991575	US 101	181.2	Unnamed	Dowans Cr	20	Culvert	BOX	2.2	PCC	1.52	1.52	21.3	No	0	1.31	67	Yes		
991575	US 101	181.2	Unnamed	Dowans Cr	20	Culvert	BOX	1.2	CPC	1.52	1.52	21.3	No	0	1.31	67	Yes		
991574	US 101	181.46	Unnamed	Dowans Cr	20.0248A	Culvert	RND	1.1	PCC	1.22	1.22	28.5	No	0	2.2	33	Yes	677	8.24
991507	US 101	182.2	Unnamed	Dowans Cr	20	Culvert	OTH	1.1	OTH	1.22	0.91	61	No	0	5	33	Yes		
997080	US 101	182.32	Unnamed	Unnamed	20	Culvert	OTH	1.1	OTH	1.22	0.91	30.4	No	0	21	0	Yes		
991508	US 101	182.84	Unnamed	Dowans Cr	20	Culvert	RND	1.1	OTH	1.22	0.91	75.7	No	1.4	8.94	0	Yes		
991509	US 101	183.05	Unnamed	Dowans Cr	20	Culvert	OTH	1.1	OTH	1.22	0.91	67.2	No	0.27	7.9	0	Yes		
997081	US 101	183.11	Unnamed	Unnamed	20	Culvert	OTH	1.1	OTH	1.22	0.95	75	No	0.21	7.23	0	Yes		
997082	US 101	183.44	Unnamed	Dowans Cr	20	Culvert	RND	1.1	OTH	1.22	1.22	21	No	1	5.72	0	Yes		
991510	US 101	183.87	Unnamed	Bogachiel R	20	Culvert	OTH	1.1	OTH	0.91	0.91	27.2	No	3.2	5.1	0	Yes		
990269	US 101	184.66	May Cr	Bogachiel R	20.0247	Culvert	RND	1.1	CST	3.05	3.05	58.5	No	0	0.73	67	Yes	12980	18.72
997087	US 101	184.87	Unnamed	Bogachiel R	20	Culvert	RND	1.1	PCC	0.61	0.61	28	No	2.3	3.6	0	Yes		
997090	US 101	187.12	Unnamed	Bogachiel R	20	Culvert	RND	1.1	PCC	0.46	0.46	14.7	No	0	3.7	67	Yes		
997091	US 101	187.18	Unnamed	Bogachiel R	20	Culvert	RND	1.1	PCC	0.46	0.46	12.9	No	0	2.39	67	Yes		
991513	US 101	187.37	Unnamed	Unnamed	20	Culvert	RND	1.1	SST	0.91	0.91	33.8	No	0	20.78	0	No	29	
991515	US 101	187.79	Unnamed	Bogachiel R	20	Culvert	RND	1.1	PCC	0.61	0.61	29.9	No	0	4.88	33	Yes		
991505	US 101	188.09	Unnamed	Bogachiel R	20	Culvert	RND	1.1	PCC	0.91	0.91	32.1	No	0.15	2.4	0	Yes		
997093	US 101	188.19	Unnamed	Bogachiel R	20	Culvert	RND	1.1	PCC	0.61	0.61	21.6	No	0.2	3.66	33	Yes		
997095	US 101	188.42	Unnamed	Bogachiel R	20	Culvert	RND	1.1	PCC	0.61	0.61	15.8	No	0	6.2	33	Yes	200	
997096	US 101	188.64	Unnamed	Bogachiel R	20	Culvert	RND	1.1	CST	0.61	0.61	23.1	No	0.1	4.8	0	Yes		
991264	US 101	189.15	Unnamed	Grader Cr	20	Culvert	RND	1.1	PCC	0.61	0.61	24.4	No	0	3	33	Yes	302	7.39
997098	US 101	190.05	Unnamed	Mill Cr	20	Culvert	RND	1.1	PCC	1.22	1.22	27.4	No	0	1.3	33	Yes		
997097	US 101	191.12	Uncle John's Cr	Mill Cr	20	Culvert	RND	1.1	PCC	0.91	0.91	18.5	No	0	1.35	33	Yes		
20.0312	0.60	US 101	197.1	Swanson Cr	20.0312	Culvert	BOX	1.1	CPC	1.83	1.52	0.9	Unk			67	Yes	1770	
997107	US 101	202.71	Unnamed	Sol Duc R	20	Culvert	RND	1.1	PCC	0.91	0.91	41.4	No	0	1.74	33	Yes		
990554	US 101	209.32	Wisen Cr	Sol Duc R	20.0336	Culvert	RND	1.1	CST	1.52	1.52	21.3	No	0	0.66	67	Yes	3273	13.7
997108	US 101	210.22	Unnamed	Sol Duc R	20	Culvert	RND	1.1	CST	0.91	0.91	17	No	0	0.59	67	No	159	
991565	US 101	221	Unnamed	Lk Crescent	19	Culvert	BOX	1.1	PCC	1.36	1.24	37.1	No	0.3	1.42	33	Yes		
996391	US 101	222.11	Eagle Cr	Lk Crescent	19.0075	Culvert	SQSH	1.2	CST	1.07	1.36	20.1	No	1.07	3.6	0	No	190	
996391	US 101	222.11	Eagle Cr	Lk Crescent	19.0075	Culvert	SQSH	2.2	CST	1.08	1.33	20.1	No	0.45	3.6	0	No	190	
996393	US 101	223.76	LaPoel Cr	Lk Crescent	19.0073	Culvert	BOX	1.1	CPC	1.86	1.87	19	No	0.46	7.4	0	No	150	
996398	US 101	226.24	Smith Cr	Lk Crescent	19.0069	Culvert	BOX	1.1	CPC	1.83	1.84	19.3	No	0	3.4	33	No	140	
995812	US 101	234.71	Unnamed	Indian Cr	18.0293	Culvert	RND	1.1	PCC	1.22	1.22	29.4	No	0	2.6	33	No	92	
995817	US 101	236.35	Unnamed	Indian Cr	18	Culvert	RND	1.1	SST	0.91	0.91	30	No	0.31	5.5	0	Yes		
18.0283	2.00	US 101	238.35	Indian Cr	18.0283	Culvert	ARCH	1.1	CPC	5.96	4.5	0.9	Unk			67	Yes	10300	
995826	US 101	240.23	Unnamed	Elwha R	18	Culvert	ARCH	1.1	CPC	0.8	0.82	63.5	No	0.51	5.4	0	No	120	
995835	US 101	242.53	Unnamed	Elwha R	18.0277	Culvert	BOX	1.1	CPC	0.91	0.91	25.1	No	0.42	4.3	0	Yes		
995540	US 101	243.08	Unnamed	Unnamed	18	Culvert	BOX	1.1	CPC	0.9	0.93	25.2	No	0.05	12.3	0	No	160	
990128	US 101	244	Dry Cr	Strait of Juan de Fuca	18.0265	Culvert	BOX	1.1	CPC	2.44	2.44	25	No	0.73	1	0	Yes		
995542	US 101	244.52	Unnamed	Dry Cr	18	Culvert	RND	1.1	PCC	0.61	0.61	26.4	No	0	1.4	67	Yes		
990448	US 101	246.4	Tumwater Cr	Port Angeles Harbor	18.0256	Culvert	BOX	1.1	PCC	2.13	2.44	0.9	Unk			67	Yes	1432	

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
990326	US 101	248.1	Peabody Cr	Strait of Juan de Fuca	18.0245	Culvert	RND	1.1	PCC	2.13	2.13	914.4	No	0	2	0	Yes	2296	15.39
990481	US 101	249.4	White Cr	Ennis Cr	18.0235	Culvert	RND	1.1	CST	1.37	1.37	243.8	Unk	0.4	3.5	0	Yes	2215	20.08
990240	US 101	250.5	Lees Cr	Strait of Juan de Fuca	18.0232	Culvert	BOX	1.1	CPC	1.22	1.83	85.3	Unk		11	0	Yes	11288	21.14
995543	US 101	253.7	Unnamed	Bagley Cr	18	Culvert	RND	1.1	CST	0.61	0.61	0.9	Unk			0	Yes		
995544	US 101	255.65	Unnamed	Siebert Cr	18	Culvert	RND	1.1	PCC	0.46	0.46	41.3	No	0.2	1.4	33	No	186	
994471	US 101	256.9	Unnamed	Siebert Cr	18	Culvert	RND	1.1	PCC	0.65	0.65	38.4	No	0	6.5	0	Yes		7.49
994473	US 101	258.07	Unnamed	McDonald Cr	18	Culvert	RND	1.1	PCC	0.7	0.7	23.7	Yes	0	1	33	No	2	
994474	US 101	258.65	Unnamed	Unnamed	18	Culvert	BOX	1.1	PCC	1.65	1.65	32.5	No	0	9.67	0	No	105	
990555	US 101	259.79	Unnamed	Josun Ditch	18	Culvert	RND	1.1	PCC	0.55	0.55	37.2	Unk	0	2.04	0	Yes	1086	7.24
18.0021	5.40 US 101	260.95	Matriotti Cr	Dungeness R	18.0021	Culvert	RND	1.1	CST	1.52	1.52	41.5	No	0	0.36	67	Yes		
995481	US 101	266.59	Unnamed	Johnson Cr	17	Culvert	RND	1.1	PCC	0.61	0.61	61.8	Unk	0	1.4	0	Yes		
990219	US 101	267.18	Johnson Cr	Sequim Bay	17.0301	Culvert	BOX	1.1	PCC	3.05	3.05	69.5	No	0.52	2	67	Yes	7252	31.46
991667	US 101	268.54	Unnamed	Sequim Bay	17.03	Culvert	RND	1.1	PCC	0.91	0.91	111.1	No		7	0	Yes		
991666	US 101	269.24	Unnamed	Sequim Bay	17.0297	Culvert	RND	1.1	PCC	0.91	0.91	44.9	No	0	5	0	Yes		
991735	US 101	271.22	Unnamed	Sequim Bay	17	Culvert	RND	1.1	PCC	0.61	0.61	33	No	0	0.75	67	Yes	317	8.27
990712	US 101	271.57	Unnamed	Sequim Bay	17.0284	Culvert	RND	1.1	OTH	0.61	0.61	120	No	0.31	3	0	Yes	896	7.18
991850	US 101	271.83	Unnamed	Sequim Bay	17	Culvert	RND	1.1	PCC	0.61	0.61	37.7	No	0	3	33	Yes	1108	9.91
990075	US 101	271.98	Chicken Coop Cr	Sequim Bay	17.0278	Culvert	BOX	1.1	PCC	0.91	1.22	53.3	No	1.13	2	0	Yes	6092	30.9
990134	US 101	274.25	Eagle Cr	Strait of Juan de Fuca	17.0272	Culvert	RND	1.1	PCC	0.46	0.46	19.7	No	0	1.5	67	Yes		
995484	US 101	275.72	Unnamed	Discovery Bay	17	Culvert	RND	1.1	PCC	0.84	0.84	38.9	No	0	3	0	Yes		
995485	US 101	276.22	Unnamed	Discovery Bay	17	Culvert	RND	1.1	PCC	0.61	0.61	38	No	0.1	1.2	67	Yes		
990090	US 101	277.9	Contractors Cr	Discovery Bay	17.027	Culvert	BOX	1.1	PCC	1.22	1.22	73.2	Unk	0.37	2	0	Yes	3787	15.67
995488	US 101	278.66	Unnamed	Discovery Bay	17.0269	Culvert	RND	1.1	PCC	0.61	0.61	40.9	No	0.9	1.9	0	No	150	
995489	US 101	279.76	Unnamed	Discovery Bay	17.0268	Culvert	RND	1.1	PCC	0.91	0.91	68.2	No	0.35	13.1	0	Unk		
995490	US 101	281.61	Unnamed	Discovery Bay	17	Culvert	RND	1.1	PCC	0.76	0.76	40.8	No	2	0.06	0	Yes		
995491	US 101	281.72	Unnamed	Discovery Bay	17	Culvert	RND	1.1	PCC	0.61	0.61	122.2	No	0.11	2.9	33	Yes		
995493	US 101	282.01	Unnamed	Discovery Bay	17	Culvert	RND	1.1	OTH	0.46	0.46	61.7	No	0.52	2.37	0	No	100	
995497	US 101	283.57	Unnamed	Snow Cr	17	Culvert	ELL	1.1	CST	1.66	1.1	25.5	No	0.9	8	0	Yes		
995500	US 101	289.91	Unnamed	Leland Cr	17	Culvert	RND	1.1	PCC	0.61	0.61	19.3	No	0	1.39	67	No	50	
990896	US 101	290.35	Unnamed	Leland Cr	17.008	Culvert	BOX	2.2	CPC	1.83	1.22	14.3	No	0	0.56	67	Yes		
990896	US 101	290.35	Unnamed	Leland Cr	17.008	Culvert	BOX	1.2	CPC	1.83	1.22	13.7	Yes	0	0	67	Yes		
995502	US 101	291.71	Unnamed	Leland Cr	17	Culvert	RND	2.2	PCC	0.46	0.46	16	No	0	0.06	67	Unk		
995502	US 101	291.71	Unnamed	Leland Cr	17	Culvert	RND	1.2	CST	0.61	0.61	18.5	No	0	1.4	67	Unk		
990241	US 101	292.52	Leland Cr	Little Quilcene R	17.0077	Culvert	BOX	1.1	CPC	2.45	1.83	44.1	No	0	-0.04	33	Yes		
995509	US 101	299.86	Spencer Cr	Jackson Cove	17.0004	Culvert	RND	2.2	PCC	0.61	0.61	18.2	No	0	1.32	33	Yes		
995509	US 101	299.86	Spencer Cr	Jackson Cove	17.0004	Culvert	RND	1.2	PCC	0.61	0.61	17.8	No	0	1.18	33	Yes		
995513	US 101	300.35	Unnamed	Spencer Cr	17	Culvert	RND	1.1	PCC	0.91	0.91	16.6	No	0.09	3.2	33	No	90	
995515	US 101	300.62	Unnamed	Spencer Cr	17	Culvert	RND	1.1	PCC	0.61	0.61	13.6	No	0.13	5.6	33	No	70	
995518	US 101	301.88	Spencer Cr	Jackson Cove	17.0004	Culvert	BOX	1.1	CPC	1.84	1.85	29.4	No	0.25	1.08	33	Yes		
994484	US 101	303.01	Marple Cr	Jackson Cove	17.0001	Culvert	ELL	1.1	CST	3.13	2.91	55.1	No	0	2.8	33	Yes	2755	20.05
990449	US 101	304.24	Turner Cr	Hood Canal	16.0559	Culvert	RND	1.1	PCC	1.22	1.22	36.6	No	0.46	9	0	No	96	
995930	US 101	305.55	Unnamed	Hood Canal	16	Culvert	RND	1.1	CST	0.61	0.61	45.9	No	0.44	4.9	0	No	190	

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
995931	US 101	305.59	Unnamed	Hood Canal	16	Culvert	RND	1.1	CST	0.61	0.61	45.8	No	1.1	3.5	0	Yes		
990899	US 101	307	Unnamed	Hood Canal	16	Culvert	BOX	1.1	CPC	1.83	1.83	36.5	No	0	1.6	67	Yes	1115	11.24
995934	US 101	309.29	Unnamed	Pleasant Harbor	16	Culvert	RND	1.1	PCC	0.46	0.46	21.1	No	0.3	5.2	0	Yes	532	10.28
995936	US 101	310.4	Unnamed	Hood Canal	16	Culvert	BOX	1.1	CPC	1.17	1.24	21	No	0	3.7	67	Yes		
995939	US 101	311.16	Unnamed	Hood Canal	16.035	Culvert	BOX	1.1	CPC	1.25	1.23	27	No	0.79	7.9	0	Yes		
991603	US 101	314.1	Unnamed	Hood Canal	16.0331	Culvert	BOX	2.2	PCC	1.83	1.83	23.3	No	0.45	2.47	67	Yes	2265	9.06
991603	US 101	314.1	Unnamed	Hood Canal	16.0331	Culvert	BOX	1.2	PCC	1.83	1.83	23.3	No	0.45	2.47	67	Yes	2265	9.06
991604	US 101	314.38	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.91	0.91	17.1	No	0.46	12.6	0	No	40	
996104	US 101	314.88	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.46	0.46	11.3	Yes	0	1.5	67	Unk		
991606	US 101	315.19	Schaerer Cr	Hood Canal	16.0326	Culvert	BOX	1.2	CPC	1.83	1.83	16.6	No	0	3.3	67	Yes	250	14.83
991606	US 101	315.19	Schaerer Cr	Hood Canal	16.0326	Culvert	BOX	2.2	CPC	1.83	1.83	16.6	No	0	3.3	67	Yes	250	14.83
996108	US 101	316.06	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.91	0.91	19.2	No	2.5	17.7	0	No	192	
995007	US 101	316.19	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.91	0.91	0.9	No	0.1		0	Yes		
996109	US 101	316.3	Unnamed	Hood Canal	16	Culvert	BOX	1.1	CPC	1.83	1.83	16.5	No	0.19	5.4	0	No	15	
996120	US 101	317.39	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.61	0.61	26.5	No	0.49	12.5	0	No	65	
991615	US 101	317.45	Unnamed	Hood Canal	16	Culvert	BOX	1.1	CPC	1.22	1.22	21	No	0.94	5	0	Yes		
991614	US 101	322.83	Unnamed	Hood Canal	16	Culvert	RND	1.2	PCC	0.91	0.91	29.3	No	0.3	4	0	Yes	571	9.09
991614	US 101	322.83	Unnamed	Hood Canal	16	Culvert	RND	2.2	PCC	0.91	0.91	29.3	No	0.3	4	0	Yes	571	9.09
991608	US 101	324.1	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.91	0.91	38.7	No	0.09	7.5	0	Yes		1.22
991610	US 101	324.31	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.91	0.91	36.3	No	0	4.4	0	Yes	400	2.31
996137	US 101	327.08	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.61	0.61	29.7	No	0.7	14.8	0	No	100	
990407	US 101	329.15	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.61	0.61	20.1	No	1.37	6	0	No	76	
996355	US 101	329.73	Unnamed	Hood Canal	16	Culvert	RND	2.2	CST	0.61	0.61	16.2	No	0.8	12	0	No	90	
996355	US 101	329.73	Unnamed	Hood Canal	16	Culvert	RND	1.2	PCC	0.61	0.61	15.4	No	0.45	7.5	0	No	90	
996356	US 101	330.25	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.61	0.61	19.3	No	0.27	7.2	33	Yes	208	
996358	US 101	331.18	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.61	0.61	0.9	No	0		0	No	34	
996360	US 101	332.15	Unnamed	Hood Canal	16	Culvert	RND	1.1	CST	0.61	0.61	19	No	0.85	3.3	0	Yes	227	
996366	US 101	334.4	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.61	0.61	54.5	No	0	2.7	0	Yes	273	
991250	US 101	335.93	Unnamed	Hood Canal	16	Culvert	RND	1.1	PCC	0.61	0.61	14.9	No	0	1.8	67	Yes	236	
996371	US 101	338.37	Unnamed	Skobob Cr	16	Culvert	RND	1.1	PCC	0.46	0.46	17.9	No	0	1.5	67	Yes		
996374	US 101	341.57	Purdy Cr	Hood Canal	16.0005	Culvert	RND	1.1	CAL	0.91	0.91	17.2	No	0	1.08	67	Yes		
115 MC093	US 101	346.95	Coffee Cr	Goldsborough Cr	14.0036	Culvert	RND	3.3	CST	1.3	1.4	130	No		1.3	67	Yes		
115 MC093	US 101	346.95	Coffee Cr	Goldsborough Cr	14.0036	Culvert	RND	2.3	CST	1.3	1.4	130	No		1.48	67	Yes		
115 MC093	US 101	346.95	Coffee Cr	Goldsborough Cr	14.0036	Culvert	RND	1.3	CST	1.33	1.45	130.1	No	0.02	1.41	67	Yes		
115 MC180	US 101	348.21	Unnamed	Mill Cr	14	Culvert	RND	1.1	CST	0.91	0.91	67.5	No	0.1	1.8	33	Yes		
997158	US 101	354.01	Unnamed	Unnamed	14	Culvert	RND	1.1	PCC	0.91	0.91	47	No	0.35	1.55	0	Yes		
997159	US 101	354.22	Unnamed	Skookum Cr	14	Culvert	RND	1.1	PCC	0.91	0.91	59.7	No	0	2.13	33	No	70	
115 MC144	US 101	355.58	Unnamed	Totten Inlet	14	Culvert	RND	1.1	CST	1.2	1.3	72.4	No	0.12	2.18	33	Yes		
997157	US 101	356.48	Unnamed	Schneider Cr	14	Culvert	RND	1.1	PCC	0.91	0.91	58.8	No	0.55	1.57	33	Yes		
14.0010 0.10	US 101	356.8	Countyline Cr	Schneider Cr	14.001	Culvert	RND	1.1	PCC	1.52	1.52	65.2	Unk			67	Yes	772	
997161	US 101	357.4	Unnamed	Schneider Cr	14	Culvert	RND	1.1	PCC	0.91	0.91	58.5	No	0.1	2.1	33	Yes	218	
991477	US 101	360.6	Unnamed	Eld Inlet	14.0002A	Culvert	BOX	1.1	PCC	1.83	1.83	103.4	No	0.3	4.66	33	Yes	331	10.1

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
115 MC276	US 101	361.22	Unnamed	Eld Inlet	14	Culvert	RND	1.1	CST	0.95	0.95	86.9	No	0	12.87	0	Yes		
994478	US 101 ROW	271.22	Unnamed	Sequim Bay	17	Culvert	RND	1.1	PCC	0.61	0.61	13.6	No	0	1.1	67	Yes	317	8.27
995760	US 101 ROW NB	284.87	Unnamed	Snow Cr	17	Culvert	OTH	1.1	CST	0.78	0.78	33.6	No	1	7.8	0	Yes		
994788	US 12	3.76	Unnamed	Unnamed	22.0238	Culvert	RND	1.1	PCC	0.46	0.46	31.2	No	0	2.3	33	Yes	1144	13.73
991284	US 12	4.59	Unnamed	Max Chuck Sl	22.0253	Culvert	OTH	1.1	OTH	1.14	1.14	96.4	No	0	3	0	Yes	1107	12.55
991283	US 12	5.24	Unnamed	Mox Chuck Sl	22	Culvert	RND	1.1	PCC	0.91	0.91	86.9	Unk	0	2	0	Yes	691	8.82
991285	US 12	5.38	Unnamed	Max Chuck Sl	22.0254	Culvert	RND	1.1	PCC	0.91	0.91	91.4	No	0.4	1	0	Yes	1338	10.89
991633	US 12	5.62	Unnamed	Mox Chuck Sl	22	Culvert	RND	1.1	PCC	0.61	0.61	48.2	No	0	1.64	33	Yes	624	5.71
991910	US 12	6.5	Unnamed	Higgins Sl	22	Culvert	RND	1.1	PCC	0.76	0.76	70.1	No	0	3	0	Yes	200	1.81
991909	US 12	6.55	Unnamed	Higgins Sl	22	Culvert	RND	1.1	PCC	0.61	0.61	82.9	No	0.2	5.6	0	No	31	
990957	US 12	6.57	Unnamed	Higgins Sl	22	Culvert	RND	1.1	PCC	0.76	0.76	74.7	No	0	2.66	0	Yes	655	7.46
990958	US 12	6.9	Unnamed	Higgins Sl	22.0257	Culvert	RND	1.1	PCC	0.91	0.91	136.8	No	0	5	0	Yes	462	6.62
991911	US 12	7.26	Unnamed	Higgins Sl	22	Culvert	RND	1.1	PCC	0.91	0.91	142.3	No	0.61	3.2	0	Yes	300	7.82
994791	US 12	9.04	Unnamed	Wynoochee R	22	Culvert	RND	1.1	CST	0.91	0.91	90.5	No	0	0.46	33	Yes	2649	19.53
991533	US 12	23.3	Unnamed	Chehalis R	22	Culvert	RND	2.2	PCC	0.76	0.76	20.4	No	0.01	0.43	67	Yes	244	7.66
991533	US 12	23.3	Unnamed	Chehalis R	22	Culvert	RND	1.2	PCC	0.76	0.76	20.5	No	0	0.59	67	Yes	244	7.66
994799	US 12	26.87	Unnamed	Chehalis R	22.0542	Culvert	RND	1.1	SST	1.04	1.04	66.6	No	1.44	3.2	0	Yes	3293	16.04
996614	US 12	27.87	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.61	0.61	25.2	No	0.6	4.5	0	Yes		
991541	US 12	28.17	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.61	0.61	30.5	No	0	3.24	33	Yes	1145	8.86
991540	US 12	28.6	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.76	0.76	54	No	1	3.3	0	Yes		
996635	US 12	29	Unnamed	Unnamed	23	Culvert	RND	1.1	PCC	0.61	0.61	68.9	No	0.07	3.85	33	Yes		
991535	US 12	29.19	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.91	0.91	54.2	No	0	1.5	0	Yes	3990	13.43
991536	US 12	29.45	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.91	0.91	43.9	No	0	6.5	0	Yes	2283	10.83
996659	US 12	30.74	Unnamed		23	Culvert	BOX	1.1	CPC	0.91	0.91	18.6	No	0	2.7	67	No	55	
996710	US 12	31.19	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.91	0.91	24.3	No	0	0.4	33	No	77	
996712	US 12	31.61	Unnamed	Cedar Cr	23	Culvert	BOX	1.1	CPC	1.52	0.91	12.7	No	0	2.83	67	Yes		
996714	US 12	32.69	Unnamed	Cedar Cr	23	Culvert	RND	1.1	PCC	0.61	0.61	17.8	No	0	0.5	67	Yes		
991537	US 12	33.2	Unnamed	Chehalis R	23	Culvert	BOX	1.1	CPC	1.22	1.22	38.1	No	0	3.14	33	Yes		
991538	US 12	33.42	Unnamed	Chehalis R	23.0619	Culvert	BOX	1.1	CPC	1.22	1.22	43.7	No	0	2.26	33	Yes		
991539	US 12	33.6	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.91	0.91	42.2	No	0.17	5.36	33	Yes		

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
WSDOT Southwest Region - SW																			
995862	I-205 Exit 27	0.99	Unnamed	Columbia R	28	Culvert	RND	1.1	PCC	0.46	0.46	317.9	No	0	0.7	0	Yes		
995866	I-205	32.28	Unnamed	Curtin Cr	28	Culvert	RND	1.1	CST	1.07	1.07	67.5	No	0.38	1.7	0	Unk		
997193	I-205	35.18	Unnamed	Unnamed	28.005	Culvert	RND	1.1	CST	1.07	1.07	173.9	No	0.9	0.83	0	Yes		
997194	I-205	35.83	Unnamed	Salmon Cr	28	Culvert	RND	1.1	CST	0.76	0.76	136.6	No	0	0.48	67	Yes		
991753	I-5	3.07	Burnt Bridge Cr	Vancouver Lk	28.0143	Culvert	BOX	1.1	CPC	1.82	1.82	140.8	Yes	0	1.08	67	Yes		
990085	I-5	3.31	Cold Cr	Burnt Bridge Cr	28.0144	Culvert	RND	1.1	OTH	1.2	1.2	71.3	No	1.6	3	0	Yes	4200	18.56
994304	I-5	5.98	Unnamed	Salmon Cr	28	Culvert	RND	1.1	PCC	1.07	1.07	106.9	No	0	0.29	67	Yes	2595	3.67
994305	I-5	6.1	Unnamed	Salmon Cr	28	Culvert	RND	1.1	PCC	1.07	1.07	109.6	No	0.15	0.83	67	Yes	2742	3.7
994306	I-5	6.29	Unnamed	Salmon Cr	28	Culvert	RND	1.1	PCC	1.07	1.07	31.7	No	0.55	0.85	33	Yes	3294	4.56
991793	I-5	7.92	Unnamed	Whipple Cr	28.005	Culvert	RND	1.1	PCC	0.91	0.91	111.8	No	0	2.18	67	Yes	498	6.46
991792	I-5	8.07	Unnamed	Whipple Cr	28	Culvert	RND	1.1	PCC	0.76	0.76	144.4	No	1.01	1.02	0	Yes	531	11.06
991794	I-5	8.42	Whipple Cr	Lake R	28.0038	Culvert	BOX	1.1	PCC	1.83	1.83	213.4	Unk	0	3	67	Yes	6195	16.91
997195	I-5	8.68	Unnamed	Whipple Cr	28	Culvert	RND	1.1	PCC	0.61	0.61	165.2	No	0.36	1.6	0	Yes	499	5.49
997196	I-5	10.2	Unnamed	Gee Cr	27.0168A	Culvert	RND	1.1	OTH	0.76	0.76	158.9	No	0	1.05	33	Yes		
991868	I-5	11.23	Unnamed	Gee Cr	27.0168O	Culvert	RND	1.1	OTH	0.76	0.76	138.4	No	0	4.9	0	No	50	
991844	I-5	11.44	Unnamed	Gee Cr	27.0168A	Culvert	BOX	1.1	CPC	1.22	1.22	36.9	No	0	0.01	67	Yes	2533	12.44
991846	I-5	12.42	Gee Cr	Columbia R	27.0168F	Culvert	OTH	1.1	OTH	3.05	3.05	128.7	No	0	0	67	Unk		
991847	I-5	13.2	Unnamed	Gee Cr	27.0168G	Culvert	ARCH	1.1	CPC	2.44	2.9	113.7	No	0.24	0.01	0	Yes		
994652	I-5 off ramp	11	Unnamed	Gee Cr	27.0168A	Culvert	RND	1.1	PCC	1.22	1.22	35.9	No	0	0.48	67	Yes	2156	13.05
994555	I-5 NB	25.2	Canyon Cr	Columbia R	27.0147	Culvert	RND	1.1	CST	1.43	1.43	0.9	No	0.9		0	No	169	
991039	I-5 SB	25.31	Canyon Cr	Columbia R	27.0147	Culvert	RND	1.1	CST	1.43	1.43	38.7	No	0.4	3	0	No	179	
994553	I-5 NB	25.92	Mill Cr	Columbia R	27.0144	Culvert	BOX	1.1	CPC	1.83	1.85	79.6	No	0	3.81	33	Yes	1184	14.96
994628	I-5 NB Gee Cr	0.99	Unnamed	Gee Cr	27.0168A	Culvert	RND	1.1	PCC	1.37	1.37	11.9	No	0	0.03	67	Yes	2361	12.34
994588	I-5	25.85	Mill Cr	Columbia R	27.0144	Culvert	RND	1.1	CPC	1.82	1.82	68.1	No	0.35	1.61	33	Yes	1464	14.93
990055	I-5	26.83	Bybee Cr	Columbia R	27.0142	Culvert	BOX	1.1	PCC	2.44	1.83	98.2	Unk	0	5	0	Yes	1070	12.36
991665	I-5	27.8	Schoolhouse Cr	Columbia R	27.0139	Culvert	RND	2.2	CST	1.83	1.83	339.2	Unk	0.09	2.5	0	Yes	4060	15.66
991665	I-5	27.8	Schoolhouse Cr	Columbia R	27.0139	Culvert	BOX	1.2	PCC	1.83	1.83	339.2	Unk	0.09	2.5	0	Yes	4060	15.66
991436	I-5	29.25	Unnamed	Columbia R	27.0137	Culvert	RND	1.1	CST	0.91	0.91	55.3	No	0	0.21	67	Yes	6078	18.12
994591	I-5	29.81	Unnamed	Columbia R	27.0136	Culvert	OTH	1.1	OTH	0.91	0.91	149.4	No	0	2.16	33	No	155	
998211	I-5	36.67	Unnamed	Unnamed	26	Culvert	RND	1.1	PCC	0.91	0.91	0.9	Unk	0		0	Yes		
996199	I-5	38.02	Unnamed	Coweeman R	26	Culvert	RND	1.1	PCC	0.76	0.76	137.3	No	0	4.5	0	Yes		
992332	I-5	41.62	King Cr	Cowlitz R	26.0127	Culvert	RND	1.1	SPS	1.6	1.6	186	Unk	0		0	Yes	2997	12.82
992331	I-5	42.29	Unnamed	Unnamed	26.0128	Culvert	RND	1.1	SST	0.9	0.9	147.5	No	0		33	Yes	1402	9.44
992581	I-5	44.29	Unnamed	Cowlitz R	26.018	Culvert	RND	1.1	CST	0.9	0.9	152	No	0	1	0	Yes	852	5.7
992590	I-5	46.77	Unnamed	Cowlitz R	26.0186A	Culvert	RND	1.1	CST	1.55	1.55	0.9	No	0	2	67	Yes	931	9.77
992591	I-5	47.49	Unnamed	Salmon Cr	26	Culvert	BOX	1.1	CPC	1.25	1.55	136.8	No	0	0.71	33	Yes	477	5.05
992592	I-5	47.88	Unnamed	Salmon Cr	26.0188	Culvert	RND	1.1	CST	2.2	2.2	0.9	Unk	0		67	No	180	
992602	I-5	53.07	Unnamed	Cowlitz R	26	Culvert	RND	1.1	PCC	1.05	1.05	90.8	No	0.27	0.09	33	Yes	3210	18.36
992608	I-5	53.9	Unnamed	Cowlitz R	26	Culvert	RND	1.1	CST	0.9	0.9	260	No	0		0	Yes	667	9.65
992343	I-5	54.4	Unnamed	Cowlitz R	26	Culvert	RND	1.1	PCC	0.75	0.75	86.6	No	0.83	1.4	0	No	0	
992355	I-5	54.93	Unnamed	Hill Cr	26	Culvert	RND	1.1	PCC	0.75	0.75	88.7	No	0		0	Yes	204	1.43

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
991734	I-5	57.98	Unnamed	Foster Cr	26.0476	Culvert	BOX	1.1	CPC	1.52	1.52	89.3	No	0.94	5	0	Yes	3507	11.99
990152	I-5	58.63	Foster Cr	Cowlitz R	26.0475	Culvert	BOX	1.1	CPC	3.05	2.43	52.3	No	0.68	0.02	33	Yes	6939	20.55
995538	I-5	71.34	Unnamed	Unnamed	23	Culvert	RND	1.1	PCC	0.61	0.61	67.7	No	0	0.01	67	Yes		
992806	SR 100	1.67	Unnamed	Pacific Ocean	24.0754	Culvert	BOX	1.1	CPC	1	0.95	54.5	No	0	1.95	67	Yes		
992807	SR 100	1.82	Unnamed	Pacific Ocean	24.0753	Culvert	RND	1.1	PCC	0.91	0.91	34	Yes	0	1	67	Yes		
991360	SR 103	13.3	Espy Sl	Willapa Bay	24.0743	Culvert	RND	1.1	CST	1.22	1.22	14.3	Unk	0.46	0	0	Yes	1850	10.47
991328	SR 103	19.84	Stackpole Sl	Willapa Bay	24.0749	Culvert	RND	1.1	CST	0.91	0.91	18	Unk	0	1.8	67	Yes	5935	11.34
991332	SR 105	1.86	Unnamed	Willapa R	24	Culvert	RND	1.1	PCC	0.9	0.9	26.7	No	0	2.1	33	Yes	915	11.58
992437	SR 105	5.95	Unnamed	Fredrickson Sl	24	Culvert	RND	1.1	PCC	0.75	0.75	18.8	No	0	2.98	33	No		
991366	SR 105	6.23	Unnamed	Willapa Bay	24.025	Culvert	RND	1.1	PCC	1.52	1.52	32.3	No	0	2	33	Yes	1460	12.68
992440	SR 105	7.31	Unnamed	Willapa Bay	24	Culvert	RND	1.1	CST	0.75	0.75	37.9	No	0	2.27	33	No		
992447	SR 105	13.33	Unnamed	Willapa Bay	24	Culvert	RND	1.1	CST	0.6	0.6	24.4	No	0	1.4	0	No	35	
993133	SR 105	20.12	Unnamed	Willapa Bay	24.0002A	Culvert	RND	1.1	CST	0.6	0.6	0.9	Unk			0	Yes	1210	1.82
991280	SR 105	21.22	Pacific Co Drain Ditch 1	Pacific Ocean	24.0001	Culvert	RND	3.3	CST	1.52	1.52	49.9	Unk	0	0.24	33	Yes		
991280	SR 105	21.22	Pacific Co Drain Ditch 1	Pacific Ocean	24.0001	Culvert	RND	2.3	CST	1.44	1.44	46.7	Unk	0	0.24	33	Yes		
991280	SR 105	21.22	Pacific Co Drain Ditch 1	Pacific Ocean	24.0001	Culvert	RND	1.3	CST	1.48	1.48	43.5	Unk	0	0.07	33	Yes		
993138	SR 105	24.39	Seastrand Cr	Pacific Co Drain Ditch	24.0003	Culvert	RND	1.1	OTH	0.75	0.75	11.1	Yes	0	0.08	67	Yes		
992234	SR 122	4.99	Unnamed	Mayfield Lk	26	Culvert	RND	1.1	PCC	0.91	0.91	15.9	No	0	5	0	Yes	1858	17.54
992235	SR 122	5.84	Unnamed	Mayfield Lk	26	Culvert	BOX	1.1	CPC	2.13	2.16	45.9	No	2.2	4.5	0	Yes	216	10.88
991017	SR 123	2.28	Unnamed	Ohanapecosh R	26	Culvert	RND	2.2	PCC	0.9	0.9	31.9	No	0.27	6.4	0	No	20	
991017	SR 123	2.28	Unnamed	Ohanapecosh R	26	Culvert	RND	1.2	PCC	0.9	0.9	33.2	No	0.16	6.4	0	No	20	
991022	SR 123	3.36	Unnamed	Ohanapecosh R	26	Culvert	RND	1.2	PCC	0.75	0.75	27.4	No	0.25	2.4	33	Yes	686	2.55
991022	SR 123	3.36	Unnamed	Ohanapecosh R	26	Culvert	RND	2.2	PCC	0.75	0.75	25	No	0.23	3.5	33	Yes	686	2.55
991029	SR 123	6.06	Unnamed	Ohanapecosh R	26	Culvert	RND	1.1	PCC	0.9	0.9	0.9	Unk			33	No	60	
991030	SR 123	6.35	Unnamed	Ohanapecosh R	26	Culvert	RND	2.2	PCC	0.9	0.9	16.3	No	0	5.4	33	Yes	231	1.41
991030	SR 123	6.35	Unnamed	Ohanapecosh R	26	Culvert	RND	1.2	PCC	0.9	0.9	15.9	No	0	6.2	33	Yes	231	1.41
997382	SR 14	4.8	Unnamed	Columbia R	28	Culvert	RND	1.1	PCC	1.22	1.22	54.6	No	0	0.37	67	Yes		
997383	SR 14	4.96	Unnamed	Columbia R	28	Culvert	RND	1.1	PCC	0.46	0.46	56.1	No	0.26	1.26	33	No	72	
997384	SR 14	5.23	Unnamed	Columbia R	28	Culvert	RND	1.1	PCC	0.61	0.61	52	No	0	1.3	33	Yes	200	
995859	SR 14	5.27	Unnamed	Unnamed	28	Culvert	RND	1.1	PCC	0.46	0.46	52	No	0.12	2.8	33	No	142	
996896	SR 14	23.44	Unnamed	Columbia R	28.0293	Culvert	BOX	1.1	CPC	1.83	1.91	66.6	No	0	11.8	0	Yes		
996899	SR 14	24.83	Unnamed	Columbia R	28	Culvert	RND	1.1	PCC	0.61	0.61	39.5	No	0	6.5	0	No	108	
990177	SR 14	36.05	Hardy Cr	Hardy Sl	28.0303A	Culvert	BOX	1.1	PCC	3.05	3.05	23.2	Unk	1.16	5	0	Unk		
990341	SR 14	140.8	Pine Cr	Columbia R	31.0354	Culvert	RND	3.4	SPS	3.05	3.05	73	No	0.45	1.5	0	Yes	125566	34.25
990341	SR 14	140.8	Pine Cr	Columbia R	31.0354	Culvert	RND	4.4	SPS	3.05	3.05	73	No	0.45	1.5	0	Yes	125566	34.25
990341	SR 14	140.8	Pine Cr	Columbia R	31.0354	Culvert	RND	2.4	SPS	3.05	3.05	73	No	0.45	1.5	0	Yes	125566	34.25
990341	SR 14	140.8	Pine Cr	Columbia R	31.0354	Culvert	RND	1.4	SPS	3.05	3.05	73	No	0.45	1.5	0	Yes	125566	34.25
995864	SR 14 Exit 5 EB	5.45	Unnamed	Unnamed	28	Culvert	RND	1.1	PCC	0.61	0.61	128.8	No	0.02	3.5	0	Yes		
992848	SR 142	1.53	Unnamed	Klickitat R	30	Culvert	RND	1.1	CST	1.22	1.22	34.4	No	1.7	13.25	0	No	20	
992888	SR 142	8.66	Unnamed	Klickitat R	30	Culvert	RND	1.1	CST	1.07	1.07	19	No	1.35	9.8	0	No	120	
992908	SR 142	14.66	Skookum Canyon Cr	Klickitat R	30.0024	Culvert	RND	1.1	SPS	1.83	1.83	11.5	Yes	0	1.24	67	Unk		
992919	SR 142	16.48	Unnamed	Klickitat R	30	Culvert	RND	1.1	PCC	1.52	1.52	12.8	No	1.01	4.5	0	Yes		

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
991629	SR 142	25.1	Smith-Mason Cr	Mill Cr	30.009	Culvert	RND	2.2	CAL	1.22	1.22	18.3	No	1.3	5.4	33	Yes	13632	5.03
991629	SR 142	25.1	Smith-Mason Cr	Mill Cr	30.009	Culvert	RND	1.2	CST	1.52	1.52	22.9	Unk	0	1.5	33	Yes	13632	5.03
990284	SR 142	25.32	Mill Cr	Little Klickitat R	30.0088	Culvert	RND	1.1	CST	2.02	2.02	14.6	No	0	1.5	67	Yes	25149	6.19
991342	SR 4	0.68	Roaring Cr Sl	Naselle R	24	Culvert	RND	1.1	CST	0.9	0.9	25.5	No	1.08	0.74	0	No	0	
992398	SR 4	2.1	Unnamed	Naselle R	24	Culvert	RND	1.1	PCC	0.6	0.6	39.4	No	0	3.5	0	No	127	
991375	SR 4	3.8	Unnamed	Naselle R	24.0575A	Culvert	RND	1.1	CST	0.75	0.75	23.4	No	0	0.85	67	Yes	1877	11.93
991372	SR 4	6.36	Unnamed	Naselle R	24.0543A	Culvert	RND	1.1	PCC	0.6	0.6	28.5	No	0.09	1.5	0	No	45	
991346	SR 4	6.97	Unnamed	Salmon Cr	24.0622	Culvert	RND	1.1	SST	0.9	0.9	36.3	No	0.05	2.34	0	Yes	669	17.63
991347	SR 4	7.34	Unnamed	Salmon Cr	24.0624	Culvert	RND	1.1	PCC	0.76	0.76	23.2	Unk	0	0.08	67	Yes	1128	13.57
992403	SR 4	7.59	Unnamed	Salmon Cr	24	Culvert	RND	2.2	PCC	0.75	0.75	27.5	No	0.14	0.51	67	Yes	954	13.14
992403	SR 4	7.59	Unnamed	Salmon Cr	24	Culvert	RND	1.2	PCC	0.75	0.75	28.4	No	0.1	0.81	67	Yes	954	13.14
992405	SR 4	8.21	Unnamed	Salmon Cr	24	Culvert	RND	1.1	PCC	0.75	0.75	15.6	No	0.36	2.8	33	Yes	1021	13.66
991349	SR 4	8.42	Unnamed	Salmon Cr	24	Culvert	RND	1.1	PCC	0.75	0.75	48.1	No	0	2.3	0	No	141	
991381	SR 4	8.73	Unnamed	Salmon Cr	24.0620A	Culvert	RND	1.1	PCC	0.75	0.75	32.3	No	0.02	2	0	Yes	300	9.38
990371	SR 4	13.7	Seal Cr	Grays River	25.0104	Culvert	BOX	1.1	PCC	1.37	1.37	15.9	No	0	-1.63	0	Yes	4079	28.5
998998	SR 4	14.01	Unnamed	Seal Sl	25	Culvert	RND	1.1	PCC	0.61	0.61	29.8	No	0.11	9.6	0	No	91	
999000	SR 4	15.08	Unnamed	Grays R	25	Culvert	RND	1.1	PCC	0.83	0.83	29.8	No	0	8.9	0	Yes		
998685	SR 4	16.81	Unnamed	Grays R	25	Culvert	RND	1.1	PCC	0.91	0.91	18.8	No	0	1.16	67	Yes		
991396	SR 4	17.19	Unnamed	Grays R	25	Culvert	RND	1.1	PCC	0.53	0.53	51.7	No	0	-1.43	67	Yes		
998688	SR 4	17.84	Unnamed	Hull Cr	25	Culvert	RND	1.1	PCC	0.91	0.91	14.3	No	0	3.4	33	Yes		
998690	SR 4	18.61	Unnamed	Grays R	25	Culvert	RND	1.1	OTH	0.76	0.76	49	No	0	6.5	0	No	199	
991421	SR 4	18.8	Unnamed	Grays R	25.0093A	Culvert	RND	1.1	PCC	0.91	0.91	24.4	No	0	2.5	33	Yes		
998695	SR 4	21.24	Unnamed	Klints Cr	25	Culvert	RND	1.1	OTH	0.91	0.91	69.3	No	3.5	7.67	0	No	134	
998698	SR 4	23.06	Unnamed	Eggman Cr trib	25	Culvert	RND	1.1	OTH	0.91	0.91	60.6	No	0.24	10.6	0	Yes		
998544	SR 4	23.19	Unnamed	Eggman Cr	25	Culvert	RND	1.1	OTH	0.91	0.91	82.2	No	0	4.68	0	No	70	
991398	SR 4	26.25	Unnamed	WF Skamokawa Cr	25	Culvert	RND	1.1	PCC	0.91	0.91	21.7	No	0	1.7	67	Yes		
998554	SR 4	30	Unnamed	Brooks Sl	25	Culvert	RND	1.1	PCC	0.91	0.91	24.4	No	0	2.7	33	No	107	
991422	SR 4	30.35	Unnamed	Brooks Sl	25	Culvert	RND	1.1	PCC	1.22	1.22	28	No	0.37	2.5	0	No	53	
998557	SR 4	30.57	Unnamed	Brooks Sl	25	Culvert	RND	1.1	PCC	0.76	0.76	22.3	No	0.75	0	0	Yes		
991402	SR 4	32	Unnamed	Risk Cr	25	Culvert	RND	1.1	PCC	0.61	0.61	30.9	No	0.24	0.7	33	Yes	200	0
998991	SR 4	35.7	Unnamed	Birnie Cr	25	Culvert	RND	1.1	PCC	0.91	0.91	29.9	No	0	2.3	33	Yes	200	
998993	SR 4	36.59	Unnamed	Columbia R	25	Culvert	RND	1.1	PCC	0.46	0.46	43.2	No		4	33	Yes	200	
991407	SR 4	36.88	Unnamed	Columbia R	25	Culvert	BOX	1.1	CPC	1.27	1.83	55.6	No	0	2.9	33	Yes	65	
999008	SR 4	37.16	Unnamed	Columbia R	25	Culvert	BOX	1.1	CPC	0.91	0.91	75	No	0.07	4	0	No	82	
998671	SR 4	41.94	Unnamed	Columbia R	25	Culvert	RND	1.1	CAL	0.91	0.91	18.2	No	0.4	0.88	33	No	150	
992781	SR 401	0.76	Unnamed	Columbia R	24	Culvert	RND	1.1	PCC	0.91	0.91	16.5	No	0.46	0.73	67	Yes	1192	6.95
991409	SR 401	0.84	Megler Cr	Columbia R	24.0049	Culvert	RND	1.1	CST	1.22	1.22	20.3	No	0	-0.05	67	Yes	1912	13.34
991411	SR 401	1.85	Unnamed	Columbia R	24.005	Culvert	ELL	1.1	CST	1.42	1.6	27.8	No	0	0.8	67	Yes	3146	13.53
991418	SR 401	4.33	Unnamed	Columbia R	24	Culvert	RND	1.1	PCC	1.22	1.22	32.9	No	0.15	5	0	Yes	1163	5.65
991377	SR 401	5.56	Unnamed	SF Naselle R	24.0584A	Culvert	RND	1.2	PCC	0.61	0.61	28	No	0	1.4	0	Yes	2077	17.32
991377	SR 401	5.56	Unnamed	SF Naselle R	24.0584A	Culvert	RND	2.2	PCC	0.61	0.61	33.8	No	0.31	1.4	0	Yes	2077	17.32
992791	SR 401	6.02	Unnamed	SF Naselle R	24	Culvert	RND	1.1	PCC	0.9	0.9	21.5	No	0.54	1.3	33	Yes	597	5.3

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991378	SR 401	6.03	Unnamed	SF Naselle R	24.0584B	Culvert	RND	1.1	PCC	0.9	0.9	28.1	No	0.78	4.9	0	Yes	666	7.66
992792	SR 401	6.13	Unnamed	SF Naselle R	24	Culvert	RND	1.1	PCC	0.75	0.75	27.3	No	0.25	2.6	33	Yes		6.92
992392	SR 401	9.18	Unnamed	SF Naselle R	24	Culvert	RND	1.1	PCC	0.9	0.9	34.6	No	0	3.23	0	Yes	204	6.83
994565	SR 401 Old	5.56	Unnamed	Unnamed	24	Culvert	RND	1.1	PCC	0.61	0.61	12.5	No	0	5.6	0	Yes	732	15.99
994567	SR 401 ROW	5.5	SF Naselle R	Naselle R	24.0584	Culvert	RND	1.1	PCC	1.21	1.21	55.1	No	0	1.5	0	Yes	1342	15.75
994566	SR 401(old)	5.5	Unnamed	SF Naselle R	24	Culvert	RND	1.1	PCC	0.61	0.61	11	No	0.32		0	Yes	911	15.12
992262	SR 411	7.14	Unnamed	Unnamed	26	Culvert	RND	1.1	OTH	0.85	0.85	40.5	Unk	0	1.67	0	Yes	621	10.52
992265	SR 411	9.56	Unnamed	Cowlitz R	26	Culvert	RND	1.1	PCC	0.6	0.6	39.7	Unk	0	0.55	67	Yes	1516	11.38
991783	SR 500	9.78	Unnamed	Lacamas Cr	28.0165	Culvert	RND	1.1	PCC	0.91	0.91	16.5	Unk	0	4.2	33	Yes		
981853	SR 501	6.17	Buckmire Sl	Lake R	28.0136	Culvert	RND	1.1	CST	1.22	1.22	106.7	No	0	0	67	Yes	3498	
994514	SR 501	17.94	Unnamed	Unnamed	27.0168D	Culvert	RND	1.1	PCC	0.76	0.76	47.7	No	1.4	2.56	0	Yes		
991877	SR 502	0.77	Unnamed	Gee Cr	27.0168A	Culvert	RND	1.1	PCC	0.91	0.91	18.6	No	0	1.4	67	Yes	450	4.46
991657	SR 503	13.21	Unnamed	Rock Cr	27.0223	Culvert	SQSH	1.1	CST	2.11	1.55	32.9	No	0.3	1	33	Yes	3325	18.88
991656	SR 503	15.84	Rock Cr	Lewis R	27.0222	Culvert	BOX	1.2	PCC	2.15	2.15	0.9	Unk	0		33	Yes	13644	27.45
991656	SR 503	15.84	Rock Cr	Lewis R	27.0222	Culvert	RND	2.2	CST	1.22	1.22	42.8	No	0	0	33	Yes	13644	27.45
991503	SR 503	19.55	Unnamed	Bitter Cr	27.0372	Culvert	RND	1.1	CST	0.61	0.61	18.6	No	0.58	8	0	Yes	543	12.18
990037	SR 503	19.85	Bitter Cr	Cedar Cr	27.0367	Culvert	SQSH	1.1	CST	1.25	0.85	12.1	No	0	1.9	67	Yes	3045	14.88
990073	SR 503	25.36	Chelatchie Cr	Cedar Cr	27.0373	Culvert	RND	1.1	CST	1.22	1.22	14.3	No	0	0.56	67	Yes	2032	16.8
990842	SR 503	27.05	Unnamed	Lewis R	27	Culvert	RND	1.1	CST	0.64	0.64	25	Unk	0	2	0	No	0	
994531	SR 503	33.04	Brooks Cr	Lewis R	27.0431	Culvert	BOX	1.1	CPC	1.52	1.86	33.9	No	0	4.95	33	Yes	2072	15.28
994532	SR 503	33.28	Unnamed	Brooks Cr	27.0432	Culvert	BOX	1.1	CPC	2.45	2.43	34.9	No		5	33	Yes	603	4.18
994533	SR 503	33.5	Unnamed	Unnamed	27.0433	Culvert	RND	1.1	PCC	0.91	0.91	31.5	No	0.9	6.57	0	Yes	285	3.44
994610	SR 503	34.97	Unnamed	Lk Merwin	27.0428	Culvert	RND	1.1	PCC	0.61	0.61	57.2	No	0	6.9	0	No	0	
994541	SR 503	36.57	Unnamed	Rock Cr	27.042	Culvert	RND	1.1	PCC	0.91	0.91	47.5	No	0.41	12	0	Yes	200	
990322	SR 503	37.79	Unnamed	Lewis R	27.0417	Culvert	RND	1.1	PCC	0.91	0.91	37	No	3.5	16.4	0	No	0	
994545	SR 503	38.17	Unnamed	Lewis R	27.0416	Culvert	RND	1.1	PCC	0.46	0.46	16.9	No	0.29	6	0	Yes	381	3.48
994546	SR 503	38.65	Unnamed	Lewis R	27.0415	Culvert	BOX	1.1	CPC	0.91	1.57	27.1	No	0.76	6	0	Yes	600	4.84
994547	SR 503	38.85	Indian Cr	Lewis R	27.0411	Culvert	BOX	1.1	CPC	1.85	1.85	31.9	No	0.1	4	0	No		
994549	SR 503	39.41	Unnamed	Jim Cr	27	Culvert	RND	1.1	PCC	0.61	0.61	32.6	No	0	7.55	33	Yes		3.55
994550	SR 503	39.9	Day Cr	Lewis R	27.0409	Culvert	RND	1.1	PCC	0.75	0.75	23.6	No	0.2	9	0	Yes	1328	5
990062	SR 503	40.94	Cape Horn Cr	Lewis R	27.0401	Culvert	BOX	1.1	CPC	2.3	2.9	65.9	No	0.65	3.34	0	Yes		2.43
994558	SR 503	41.1	Unnamed	Lk Merwin	27.04	Culvert	RND	1.1	PCC	0.91	0.91	22.4	No	0.26	8.57	0	Yes	676	6.34
994557	SR 503	42.11	Unnamed	Lk Merwin	27.0398	Culvert	RND	1.1	PCC	0.76	0.76	35.1	No	0.72	12.8	0	Yes	214	3.15
994560	SR 503	42.93	Marble Cr	Lk Merwin	27.0396	Culvert	RND	1.2	CST	0.91	0.91	24.6	No	12	7.07	0	No		
994560	SR 503	42.93	Marble Cr	Lk Merwin	27.0396	Culvert	RND	2.2	CST	0.91	0.91	24.2	No	40	2.56	0	No		
994582	SR 503	44.34	Husky Cr	Lewis R	27.0359	Culvert	RND	1.1	PCC	1.22	1.22	0.9	No	15		0	No		
994583	SR 503	45.3	Unnamed	Lewis R	27	Culvert	RND	1.1	PCC	0.76	0.76	0.9	No	0.3		0	No		
990089	SR 503	46.17	Colvin Cr	Lewis R	27.0392	Culvert	RND	1.1	SPS	1.83	1.83	76.2	No	0.4	3.5	0	Yes	997	15.52
991439	SR 503	46.55	Davis Cr	Lewis R	27.0338	Culvert	RND	1.1	PCC	1.37	1.37	51.8	No	0.17	5	0	Yes	769	3.53
994623	SR 503	48.19	Unnamed	Houghton Cr	27	Culvert	RND	1.1	CST	0.61	0.61	42	No	0	4	33	No	101	
994625	SR 503	49.49	Staples Cr	Lewis R	27.0315	Culvert	RND	1.1	PCC	1.37	1.37	38	No	1.1	2.6	0	Yes	696	11.27
994629	SR 503	50.01	Unnamed	Lewis R	27.031	Culvert	RND	1.1	CST	0.61	0.61	46.2	No	1.5		0	Yes	1060	11.86

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
991789	SR 503SP cougar	33.54	Unnamed	Lewis R	27	Culvert	RND	1.1	PCC	1.22	1.22	50.3	Unk	0.3	20	0	No	0	
991790	SR 503SP cougar	34.09	Unnamed	Yale Lk	27	Culvert	RND	1.1	PCC	1.22	1.22	30.5	Unk	1.83	12	0	Yes	1154	4.2
991791	SR 503SP cougar	35.2	Unnamed	Yale Lk	27	Culvert	RND	1.1	PCC	1.22	1.22	32	Unk	1.83	3	0	Yes	1472	3.91
994603	SR 503SP cougar	35.58	Unnamed	Yale Lk	27	Culvert	RND	1.1	PCC	0.76	0.76	40.2	No	0	6.03	0	Yes	1383	4.41
991571	SR 503SP cougar	35.69	Unnamed	Dog Cr	27	Culvert	RND	1.1	PCC	0.76	0.76	50.7	No	1.4	11.6	0	Yes	565	2.87
990120	SR 503SP cougar	35.84	Dog Cr	Yale Reservoir	27.0476	Culvert	BOX	1.1	TMB	2.44	2.44	6.7	Unk	0.3	2.5	0	Yes	1090	4.66
994599	SR 503SP cougar	37.06	Panamaker Cr	Yale Reservoir	27.0478	Culvert	BOX	1.2	CPC	3.05	2.45	20.6	No	0	0	67	Yes		
994599	SR 503SP cougar	37.06	Panamaker Cr	Yale Reservoir	27.0478	Culvert	BOX	2.2	CPC	3.05	2.45	20.6	No	0	0	67	Yes		
990078	SR 503SP cougar	38.77	Dry Cr	Lewis R	27.0481	Culvert	BOX	1.1	PCC	2.44	3.05	27.7	Unk	0	3	0	Yes		
27.0305	1.00 SR 503 ROW	0.99	Ross Cr	NF Lewis R	27.0305	Culvert	BOX	1.1	CPC	1.83	1.52	21.4	Unk			33	Yes	670	13.28
994589	SR 503 ROW	39.41	Unnamed	Jim Cr	27	Culvert	RND	1.1	PCC	0.61	0.61	19	No	0		0	Yes	272	3.78
991968	SR 504	2.49	Unnamed	Salmon Cr	26	Culvert	RND	1.1	CAL	0.8	0.8	42.2	No	0	5	0	Yes	211	4.07
991970	SR 504	2.73	Unnamed	Salmon Cr	26	Culvert	RND	1.1	CAL	0.6	0.6	23.7	No	0	3.6	0	Yes	370	7.69
992015	SR 504	2.76	Unnamed	Salmon Cr	26	Culvert	RND	1.1	CAL	0.6	0.6	24.6	No	0.1	9.3	0	Yes	205	7.41
991669	SR 504	3.17	Unnamed	Salmon Cr	26	Culvert	RND	1.1	CAL	0.8	0.8	33.5	No	0	2.3	33	Yes	775	12.22
992019	SR 504	4.55	Unnamed	Silver Lk	26	Culvert	RND	2.2	CST	0.75	0.75	27.6	No		2.6	0	No	60	2.92
992019	SR 504	4.55	Unnamed	Silver Lk	26	Culvert	RND	1.2	CST	0.75	0.75	27.6	No	0.73	2.6	0	No	60	2.92
991634	SR 504	17	Unnamed	NF Toutle R	26.032	Culvert	RND	1.1	CST	1.37	1.37	20.4	No	2.53	1	0	Yes	2837	13.82
992028	SR 504	17.6	Unnamed	NF Toutle R	26	Culvert	RND	1.1	PCC	1.22	1.22	55	No	0	1.9	0	Yes	1431	9.29
992068	SR 504	22.21	Unnamed	NF Toutle R	26	Culvert	RND	1.1	CST	0.75	0.75	98.1	No		5.2	0	No		
992074	SR 504	23.58	Unnamed	NF Toutle R	26	Culvert	RND	1.1	CST	1.6	1.6	68.6	No	0	10	0	Yes	498	6.35
992244	SR 505	0.16	Unnamed	Olequa Cr	26	Culvert	BOX	1.1	CPC	0.95	1.54	288	No	2.5		0	Yes	414	9.11
992246	SR 505	0.26	Unnamed	Unnamed	26	Culvert	RND	1.1	CST	0.9	0.9	29.5	No	0	5.5	0	Yes	1253	5.96
991047	SR 505	19.2	Unnamed	Unnamed	26	Culvert	RND	1.1	CST	0.45	0.45	19.9	Unk	0	0.4	67	Yes	1512	10.59
991685	SR 506	2.77	Unnamed	Stillwater Cr	26.0429A	Culvert	RND	1.2	PCC	1.07	1.07	31.5	No	0.3	2.98	0	Yes	462	8.16
991685	SR 506	2.77	Unnamed	Stillwater Cr	26.0429A	Culvert	RND	2.2	PCC	1.07	1.07	29.6	No	0.19	3.51	0	Yes	462	8.16
992287	SR 506	2.98	Unnamed	Stillwater Cr	26	Culvert	RND	1.1	PCC	0.75	0.75	22.5	Unk	0	2.75	0	Yes		
992290	SR 506	5.41	Unnamed	Stillwater Cr	26	Culvert	RND	1.1	PCC	1.22	1.22	31	No	0	0.51	67	Yes		
991432	SR 506	7.68	Unnamed	Cowlitz R	26	Culvert	RND	1.1	OTH	0.78	0.78	33.4	No	0.16	8.26	0	Yes	570	11.26
994954	SR 508	0.53	Allen Cr	Newaukum R	23.0883	Culvert	RND	1.1	PCC	0.91	0.91	25	No	0	1	67	Yes		
994955	SR 508	0.64	Unnamed	Allen Cr	23	Culvert	RND	1.1	PCC	0.61	0.61	22.9	No	0	0.6	67	Yes		
994958	SR 508	1.66	Unnamed	Unnamed	23	Culvert	RND	1.1	PCC	0.76	0.76	16.4	No	0	2.6	67	Yes		
994959	SR 508	1.85	Unnamed	Unnamed	23	Culvert	RND	1.1	PCC	0.91	0.91	25	No	0.17	1.4	0	Yes		
991755	SR 508	3.5	Unnamed	SF Newaukum R	23	Culvert	BOX	1.1	CPC	1.65	0.91	10.5	No	0	1.1	67	Yes		
992277	SR 508	4.26	Unnamed	SF Newaukum R	23	Culvert	RND	1.1	PCC	0.91	0.91	12.4	No	0.21	1.28	33	Yes		
994966	SR 508	4.7	Unnamed	SF Newaukum R	23	Culvert	RND	1.1	OTH	0.46	0.46	18.1	No	0	2.7	33	Yes		
994967	SR 508	5.75	Unnamed	SF Newaukum R	23	Culvert	RND	1.1	PCC	0.46	0.46	14.7	No	0	1.2	67	Yes		
991293	SR 508	6.78	Unnamed	SF Newaukum R	23	Culvert	RND	1.1	PCC	0.91	0.91	13.3	No	0	0.7	67	Yes		
994969	SR 508	8.88	Unnamed	SF Newaukum R	23	Culvert	RND	2.2	PCC	0.61	0.61	15.2	No	0	0.3	67	Yes		
994969	SR 508	8.88	Unnamed	SF Newaukum R	23	Culvert	RND	1.2	PCC	0.61	0.61	14.5	No	0	0.5	67	Yes		
994971	SR 508	11.27	Unnamed	SF Newaukum R	23	Culvert	RND	1.1	CST	0.61	0.61	16.3	No	0	0	67	Yes		
991289	SR 508	12.66	Unnamed	SF Newaukum R	23	Culvert	RND	1.1	PCC	0.91	0.91	20	No	0	1.5	33	Yes		

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991290	SR 508	15.1	Unnamed	Kearney Cr	23	Culvert	RND	1.1	PCC	0.91	0.91	15.2	No	0	1.1	67	Yes		
994976	SR 508	15.42	Unnamed	Unnamed	23	Culvert	RND	1.1	PCC	0.61	0.61	15.5	No	0	5.2	33	Yes		
991296	SR 508	15.85	Unnamed	Kearney Cr	23	Culvert	RND	1.1	PCC	0.91	0.91	15.5	No	0.12	4	67	Yes		
994979	SR 508	16.5	Unnamed	Unnamed	23	Culvert	RND	1.1	PCC	0.76	0.76	14.1	No	0	1.3	67	Yes		
994981	SR 508	16.99	Unnamed	Stowell Cr	23	Culvert	RND	1.1	PCC	0.61	0.61	12.6	No	0	1.9	67	Yes		
991291	SR 508	17.06	Unnamed	Stowell Cr	23	Culvert	RND	1.1	PCC	1.22	1.22	14.7	No	0	2	67	Yes		
994463	SR 508	17.55	Stowell Cr	Kearney Cr	23.0916	Culvert	RND	1.1	PCC	0.91	0.91	15.1	No	0	2.8	67	Yes		
992540	SR 508	18.32	Unnamed	Mill Cr	26	Culvert	RND	1.1	PCC	0.73	0.73	13.1	No	0.15	3.5	33	Yes	1545	9.78
992541	SR 508	18.95	Unnamed	Tilton R	26.0560x	Culvert	RND	1.1	CPC	0.6	0.6	16.5	Unk	0	0.05	67	Yes	937	1.67
991433	SR 508	20.37	Shermans Cr	Tilton R	26.0564	Culvert	RND	1.1	PCC	0.91	0.91	14.6	Unk	1.25	4.5	0	Yes	1827	3.24
992550	SR 508	22.5	Unnamed	Tilton R	26.0566	Culvert	RND	1.1	CST	1.8	1.8	55.9	No	0.44	15	0	No	38	
992551	SR 508	23	Unnamed	Unnamed	26.0567x	Culvert	RND	1.1	PCC	0.9	0.9	10.2	No	1.4	0.12	0	No		
992552	SR 508	23.16	Unnamed	Tilton R	26.0560x	Culvert	RND	1.1	PCC	0.6	0.6	20.4	No	0.95	0.12	0	No		
992553	SR 508	23.45	Unnamed	Tilton R	26.0560x	Culvert	RND	1.1	PCC	0.62	0.62	19.7	No	0.85	0.14	0	No		
992555	SR 508	23.89	Unnamed	Tilton R	26.0560x	Culvert	BOX	1.1	CPC	1.68	1.82	24.6	No	0.55	7.11	33	Yes	1552	4.7
992557	SR 508	23.99	Unnamed	Tilton R	26.0560x	Culvert	RND	1.1	PCC	0.9	0.9	15.1	No	0	0.04	0	No	80	
992573	SR 508	30.01	Unnamed	Tilton R	26	Culvert	RND	1.1	PCC	1.08	1.08	13.6	No	2.5	0.09	0	No	86	
991435	SR 508	31.8	Unnamed	Tilton R	26	Culvert	RND	1.1	PCC	1.07	1.07	19.5	Unk	0.98	2	0	Yes	1427	10.6
990774	SR 6	0.75	Case Pond	Ellis Sl	24	Culvert	RND	1.1	CAL	0.75	0.75	19.3	No	4	5.2	0	No	0	0
991697	SR 6	1.85	Unnamed	Willapa R	24	Culvert	RND	1.1	PCC	0.6	0.6	30.5	No	0.98	2	0	No	200	
991355	SR 6	2.96	Unnamed	Willapa R	24	Culvert	RND	1.1	PCC	0.75	0.75	17.3	No	0	1.7	67	Yes	201	6.39
990802	SR 6	4.82	Unnamed	Willapa R	24	Culvert	RND	1.1	PCC	1.05	1.05	17.4	No	0.04	1.73	33	No	50	
990805	SR 6	5.37	Unnamed	Willapa R	24	Culvert	ELL	1.1	PCC	1.02	0.84	48	No	0	1.1	0	Yes	3511	25.91
990813	SR 6	8.32	Unnamed	Willapa R	24	Culvert	RND	1.1	PCC	0.9	0.9	23.9	Unk	0	1.75	67	Yes	1556	11.33
990816	SR 6	9.83	Unnamed	Unnamed	24	Culvert	RND	1.1	PCC	0.6	0.6	15.7	No	0	1.28	33	Yes	1350	12.84
990817	SR 6	9.92	Unnamed	Willapa R	24	Culvert	RND	1.1	PCC	0.75	0.75	13.5	No	0	1.85	67	Yes	1595	4.09
990782	SR 6	11.69	Unnamed	Willapa R	24	Culvert	RND	1.1	PCC	0.6	0.6	39.1	No	0	5.3	0	No	136	
990790	SR 6	17.36	Unnamed	Fern Cr	24	Culvert	BOX	1.1	CPC	1.08	1.28	16.6	No	0	0.18	33	Yes	250	8.27
990797	SR 6	19.96	Unnamed	Fern Cr	24	Culvert	RND	1.1	PCC	0.6	0.6	38.2	No	0	3.43	0	No	52	
990798	SR 6	20.56	Unnamed	Fern Cr	24	Culvert	RND	1.1	PCC	0.45	0.45	50.1	No	0.42	6.19	0	No	52	
992424	SR 6	21.27	Unnamed	Fern Cr	24	Culvert	RND	1.1	PCC	0.62	0.62	84	No	0.03	2.9	0	Yes	893	8.08
990736	SR 6	22.94	Unnamed	Salmon Cr	23	Culvert	RND	1.1	PCC	0.61	0.61	21.1	No	0	2.4	33	Yes		
990737	SR 6	23.49	Unnamed	Rock Cr	23	Culvert	RND	1.1	PCC	0.61	0.61	27.6	No	0	5.5	67	Yes		
991654	SR 6	24.3	Unnamed	Rock Cr	23	Culvert	RND	1.1	PCC	0.76	0.76	21.6	No	0	7.3	0	No	110	
990141	SR 6	24.63	Unnamed	Rock Cr	23	Culvert	RND	1.1	PCC	0.61	0.61	27.3	No	0	3.4	33	No	146	
990738	SR 6	25.24	Unnamed	Rock Cr	23	Culvert	RND	1.1	PCC	0.61	0.61	16.1	No	0	3.9	33	Yes		
990740	SR 6	26.36	Unnamed	Rock Cr	23	Culvert	RND	1.1	PCC	0.61	0.61	32.6	No	0	4.9	33	Yes		
990473	SR 6	27.49	Water Mill Cr	Rock Cr	23.1156	Culvert	BOX	1.1	CPC	1.22	1.22	27.3	No	0	0.4	67	Yes	200	
990741	SR 6	29	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.61	0.61	20.2	No	0	1.8	67	Yes	246	
990244	SR 6	30.87	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.61	0.61	14.1	No	0	2.7	33	Yes		
990745	SR 6	31	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.91	0.91	17	No	0	1	67	Yes		
990749	SR 6	32	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.61	0.61	22.8	No	0	1.2	67	Yes		

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990751	SR 6	33.56	Unnamed	Unnamed	23	Culvert	RND	1.2	CAL	0.91	0.91	15.2	No	0	1.2	67	Yes		
990751	SR 6	33.56	Unnamed	Unnamed	23	Culvert	RND	2.2	PCC	0.61	0.61	14.6	No	0	1.5	67	Yes		
990753	SR 6	34	Unnamed	Unnamed	23	Culvert	RND	1.1	PCC	0.61	0.61	12.5	No	0	2.6	33	Unk		
990756	SR 6	35.08	Unnamed	Chehalis R	23	Culvert	RND	1.1	CAL	0.61	0.61	19.8	No	0.58	1	0	Yes		
991542	SR 6	35.1	Unnamed	Chehalis R	23.1098	Culvert	RND	1.1	CST	0.91	0.91	15.2	Unk	0.4	2	0	Yes		
990757	SR 6	35.42	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.61	0.61	15.9	No	0	1	67	Yes		
990758	SR 6	35.85	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.91	0.91	26.7	No	0	8.3	0	Yes		
990423	SR 6	36.74	Unnamed	Hope Cr	23	Culvert	RND	1.1	CST	0.46	0.46	20.2	No	0.13	2.4	0	Yes		
990534	SR 6	40.53	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.61	0.61	15.3	No	0.16	0.4	67	Yes		
990760	SR 6	41.22	Davis Cr	Chehalis R	23.018	Culvert	BOX	1.1	PCC	1.83	1.83	26.5	No	0	1.2	33	Yes		
990761	SR 6	41.7	Unnamed	Chehalis R	23	Culvert	RND	1.1	PCC	0.61	0.61	14	No	0	1	67	Yes		
990764	SR 6	42.38	Unnamed	Unnamed	23	Culvert	BOX	1.1	CPC	1.07	0.91	20.4	No	0	0.5	67	No	189	
991221	SR 6	43.61	Unnamed	Chehalis R	23	Culvert	OTH	1.1	CST	0.76	0.76	45.5	No	1	8.8	0	Yes		
991544	SR 6	46.39	Unnamed	Chehalis R	23.0949	Culvert	RND	1.1	SPS	2.06	2.06	42.2	No	0	0.3	67	Yes		
990825	SR 7	2.73	Unnamed	Tilton R	26	Culvert	RND	1.1	PCC	0.61	0.61	16.6	No	0	-0.9	33	Yes		
990826	SR 7	3.36	Unnamed	Tilton R	26	Culvert	RND	1.1	PCC	0.9	0.9	17.5	No	0.55	1.25	0	Yes	995	11.95
990831	SR 7	5.5	Unnamed	Tilton R	26	Culvert	BOX	1.2	CPC	1.52	1.52	32.3	No	0.12	3.6	0	Yes	784	15.13
990831	SR 7	5.5	Unnamed	Tilton R	26	Culvert	BOX	2.2	CPC	1.52	1.52	32.4	No	0.12	3.8	0	Yes	784	15.13
990832	SR 7	5.64	Unnamed	Tilton R	26	Culvert	BOX	1.1	CPC	1.24	1.24	19	No	0	6.5	0	No	10	
990833	SR 7	6.91	Unnamed	Tilton R	26	Culvert	BOX	1.1	CPC	1.22	1.22	41.7	No	0	8	0	Yes	1055	3.12
990836	SR 7	7.36	Unnamed	Tilton R	26	Culvert	BOX	1.1	CPC	1.83	1.22	27.3	No	0	0.6	0	No	58	
990840	SR 7	8.18	Unnamed	Tilton R	26	Culvert	RND	1.1	PCC	0.76	0.76	12.9	No	0.25	1.3	67	Yes		
990841	SR 7	8.89	Tilton R	Mayfield Lk	26	Culvert	BOX	1.1	CPC	1.54	0.93	18.2	No	0.55	0.7	0	Yes	2296	4.41
990690	SR 7	9.85	Unnamed	Roundtop Cr	11	Culvert	RND	1.1	PCC	0.91	0.91	34.8	No	0.76	1	0	Yes		
990657	SR 7	10.25	Unnamed	Summit Cr	11	Culvert	BOX	1.1	CPC	1.22	1.22	19.8	No	0.4	11	0	Yes		
990691	SR 7	10.48	Unnamed	Round Top Cr	11	Culvert	RND	2.2	PCC	0.76	0.76	16.7	No	0	3.1	33	Yes		
990691	SR 7	10.48	Unnamed	Round Top Cr	11	Culvert	BOX	1.2	PCC	0.91	0.91	14.9	No	0	6.2	33	Yes		
990658	SR 7	10.81	Unnamed	Roundtop Cr	11	Culvert	BOX	1.1	CPC	1.22	1.22	30.5	No	0.67	5	0	Yes		
990661	SR 7	11.1	Unnamed	Roundtop Cr	11	Culvert	RND	1.1	PCC	0.61	0.61	16.8	No	0.18	1.7	67	Yes		
990662	SR 7	11.2	Unnamed	Roundtop Cr	11	Culvert	BOX	1.1	CPC	0.91	0.91	10.7	No	0.49	4	33	Yes		
990084	SR 7	11.56	Coal Cr	Roundtop Cr	11.0168	Culvert	BOX	1.1	PCC	1.52	0.91	12.2	No	0.27	3	67	Yes	1101	8.86
990669	SR 7	12.74	Unnamed	Roundtop Cr	11	Culvert	BOX	1.1	PCC	1.52	0.91	12	No	0	1.24	67	Yes		
990670	SR 7	12.8	Unnamed	Roundtop Cr	11	Culvert	RND	1.1	PCC	0.76	0.76	10.7	No	0.3	3	33	Yes		
990671	SR 7	12.9	Unnamed	Roundtop Cr	11	Culvert	RND	1.1	PCC	0.76	0.76	11.5	Yes	0	1.1	67	No	50	
997602	SR 7	14.81	Unnamed	East Cr	11	Culvert	RND	1.1	PCC	0.46	0.46	13.8	No	0	0.94	67	Yes		
990674	SR 7	15.92	Unnamed	East Cr	11	Culvert	BOX	1.1	CPC	1.22	1.22	17.9	No	0	1.9	67	Yes		
991388	US 101	1	Unnamed	Columbia R	24.0047	Culvert	RND	1.1	PCC	0.91	0.91	22.1	No	0.3	1.8	0	Yes	2384	15.23
991359	US 101	1.3	Unnamed	Columbia R	24.0045	Culvert	RND	1.1	PCC	0.61	0.61	27.1	No	0.61	1.22	0	Yes	934	13
992817	US 101	1.62	Unnamed	Columbia R	24.0044	Culvert	RND	1.1	PCC	0.91	0.91	0.9	No			0	Yes	220	4.86
991358	US 101	2	Unnamed	Columbia R	24.0042	Culvert	RND	1.1	PCC	0.61	0.61	16.6	No	0.61	1.82	0	Yes	1370	15.33
992818	US 101	2.29	Unnamed	Columbia R	24.0042	Culvert	RND	1.1	PCC	0.91	0.91	19.5	No		0.12	0	Yes	1020	12.32
992820	US 101	3.15	Unnamed	Columbia R	24	Culvert	RND	1.1	PCC	0.61	0.61	18.3	No	0.2	2.5	33	Yes		

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
992821	US 101	3.3	Unnamed	Columbia R	24	Culvert	RND	1.1	PCC	0.61	0.61	20.5	No	0.18	1.17	0	Yes	1400	21.23
992823	US 101	7.11	Chinook R	Columbia R	24	Culvert	BOX	1.3	CPC	2.4	2.55	25	No	0	0.17	33	Yes		
992823	US 101	7.11	Chinook R	Columbia R	24	Culvert	BOX	2.3	CPC	2.4	2.55	25	No	0	0.17	33	Yes		
992823	US 101	7.11	Chinook R	Columbia R	24	Culvert	BOX	3.3	CPC	2.4	2.55	25	No	0	0.17	33	Yes		
991308	US 101	21.27	Unnamed	Willapa Bay	24.0679	Culvert	RND	2.2	PCC	0.91	0.91	19.2	Yes	0	1.5	67	Yes	3666	18.82
991308	US 101	21.27	Unnamed	Willapa Bay	24.0679	Culvert	RND	1.2	PCC	0.91	0.91	19.4	Yes	0	2.4	67	Yes	3666	18.82
991386	US 101	21.4	Unnamed	Willapa Bay	24.068	Culvert	RND	1.1	PCC	0.91	0.91	23	No	0	2	33	Yes	207	10.28
992836	US 101	22.12	Unnamed	Willapa Bay	24	Culvert	RND	1.1	PCC	0.6	0.6	16.9	No	0	3.3	67	No	133	
992838	US 101	23.31	Unnamed	Willapa Bay	24.0676	Culvert	RND	1.1	PCC	0.9	0.9	23.6	No	0.01	4	33	Yes	204	10.01
992298	US 101	46.12	Unnamed	Willapa Bay	24	Culvert	RND	1.1	PCC	0.92	0.92	62	No	0	3.32	0	Yes	418	7.45
990176	US 101	46.96	Hansen Cr	Willapa Bay	24.0403	Culvert	BOX	1.1	PCC	1.83	1.83	31.2	No	0.4	0.67	33	Yes	1006	3.67
990053	US 101	61.15	Butte Cr	Smith Cr	24.006	Culvert	BOX	1.1	PCC	2.95	1.83	18.6	No	0.41	1.12	33	Yes	2800	20.66
990054	US 101	61.17	Unnamed	Butte Cr	24	Culvert	RND	1.1	PCC	0.91	0.91	25.1	No	0	1.47	33	Yes		
991517	US 101	61.26	Unnamed	Butte Cr	24	Culvert	RND	1.1	PCC	0.61	0.61	22.2	No	0.4	1.12	0	Yes	879	10.24
991320	US 101	64.36	Unnamed	Smith Cr	24	Culvert	BOX	1.1	CPC	0.95	0.91	18	No	0.28	0.01	33	Yes	1104	6.23
991323	US 101	65.71	Unnamed	Elkhorn Cr	24	Culvert	BOX	1.1	PCC	0.95	0.91	19.5	No	0.32	0.37	67	Yes	1875	12.35
991426	US 12	72.45	Unnamed	Lacamas Cr	26.0474	Culvert	BOX	1.1	PCC	0.92	0.92	22	No	0	2	33	Yes	2870	12.03
992084	US 12	90.71	Unnamed	Riffe Lk	26	Culvert	SQSH	1.1	SPS	1.65	1.05	0.9	Unk			0	No	5	
992085	US 12	91.25	Unnamed	Riffe Lk	26	Culvert	SQSH	1.1	SPS	1.9	1.45	31.3	No	0.2	5.3	0	Yes		2.01
992087	US 12	92.09	Unnamed	Riffe Lk	26	Culvert	ELL	1.1	SPS	1.35	1.7	0.9	No	0.34	0.17	0	No	5	
992090	US 12	93.14	Unnamed	Unnamed	26	Culvert	ELL	1.1	SPS	1.55	1.9	127.5	No	0.36	0.15	0	No	5	
992092	US 12	93.8	Unnamed	Unnamed	26	Culvert	RND	1.1	CST	1.28	1.28	59	No	0.48	1.8	0	Yes	498	1.89
992096	US 12	94.15	Highland Cr	Tilton R	26.059	Culvert	ELL	1.1	SPS	1.68	2	65.6	No	1.42		0	Yes	332	7.26
990190	US 12	95.75	Highland Cr	Tilton R	26.059	Culvert	ELL	1.2	SPS	2.38	2.58	28.9	No	0.35	0.4	67	Yes	5980	14.77
990190	US 12	95.75	Highland Cr	Tilton R	26.059	Culvert	ELL	2.2	SPS	2.38	2.58	27.2	No	0.3	0.4	67	Yes	5980	14.77
992099	US 12	95.98	Unnamed	Highland Cr	26	Culvert	ELL	1.1	CST	1.12	1.32	37.3	No	0.18	1.9	67	Yes	2922	5.21
993141	US 12	101.9	Unnamed	Unnamed	26	Culvert	RND	1.1	PCC	0.46	0.46	38.5	No	0	4.65	0	No	20	
992113	US 12	103.43	Unnamed	Riffe Lk	26	Culvert	RND	1.1	CST	0.9	0.9	93.3	No	0	3	0	Yes	1057	3.01
990944	US 12	103.98	Steffen Cr	Riffe Lk	26.0652	Culvert	SQSH	1.1	SPS	3.52	2.39	24.5	No	0	3	67	Yes	3102	8.63
990401	US 12	109.27	Siltner Cr	Rainey Cr	26.0654	Culvert	BOX	1.1	CPC	1.83	0.95	18.7	No	0.5	1	33	Yes	2066	3.09
992150	US 12	112.08	Unnamed	Kiona Cr	26	Culvert	RND	1.1	PCC	1.05	1.05	44.1	No	0	5	0	Yes	656	1.61
992151	US 12	112.95	Oliver Cr	Kiona Cr	26.1025	Culvert	ARCH	1.1	CPC	5.89	3.02	31.2	No	0	0	67	Yes	916	2.85
990338	US 12	113.73	Peters Cr	Kiona Cr	26.1023	Culvert	BOX	1.1	CPC	3.05	2.44	45.1	No	0.91	4	0	No		
992227	US 12	114.96	Miller Cr	Cowlitz R	26.1028	Culvert	ARCH	1.1	CPC	5.75	1.35	24.4	Yes	0	0.1	33	Yes	325	11.67
992282	US 12	124.97	Burton Cr	Cowlitz R	26.1106	Culvert	SQSH	1.1	SPS	2.95	2	27.6	No	0.85	1.52	0	Yes	225	3.31
991880	US 12	137.73	Unnamed	Cowlitz R	26	Culvert	RND	1.1	CST	0.9	0.9	38.5	No	0.2	4.7	0	No		
991743	US 12	149.98	Unnamed	Millridge Cr	26	Culvert	BOX	1.1	CPC	2.45	1.85	34.8	No	0.04	0.8	33	Yes	2028	3.83
998490	US 12	159.29	Andy Cr	Rimrock Lk	38	Culvert	RND	1.1	CST	0.91	0.91	17.5	No	0	2.9	67	Yes		
990845	US 97	12.9	Unnamed	Little Klickitat R	30	Culvert	RND	1.1	SPS	2.74	2.74	69	No	0.48	1.25	33	Yes		
990846	US 97	13.39	Unnamed	Little Klickitat R	30	Culvert	BOX	1.1	PCC	1.83	1.83	34.1	No		1.96	67	No	35	
990848	US 97	18.4	Jenkins Cr	Little Klickitat R	30.0128	Culvert	BOX	1.1	CPC	2.45	1.83	35.2	No	0.36	2.36	33	Yes		
990850	US 97	21.16	WF L Klickitat R	Little Klickitat R	30.0135	Culvert	BOX	1.1	CPC	3.05	3.05	54.5	No	0.06	1.29	67	Yes	10387	13.53

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
990052	US 97	21.35	Butler Cr	EF Little Klickitat	30.014	Culvert	RND	1.1	SPS	3.2	3.2	35.6	No	0.21	2	67	Yes	16149	8.39
990851	US 97	23.99	Dry Cr	Little Klickitat R	30.0147	Culvert	BOX	1.1	CPC	3.07	1.83	25.6	No	0	3.45	33	Yes		
990853	US 97	25.41	EF L Klickitat R	Klickitat R	30.0139	Culvert	BOX	1.1	CPC	1.85	1.23	28.4	No	0.5	4.95	0	Yes	8100	4.91
990854	US 97	25.59	Idlewild Canyon Cr	EF L Klickitat R	30.0152	Culvert	BOX	1.1	CPC	1.23	0.94	20.5	No	0	5.72	33	Yes	5543	4.12
991955	US 97	27.97	SF Shinando Cr	Shinando Cr	37.1104	Culvert	ELL	1.1	SPS	1.52	1.83	108.8	No	1.93	4	0	Yes	516	5.47
990857	US 97	30.1	Shinando Cr	Satus Cr	37.1103	Culvert	BOX	1.1	CPC	1.52	1.83	76.2	Unk	0.4	3.5	0	Yes	13354	11.76

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
WSDOT South Central Region - SC																			
991457	I-82	26.26	Unnamed	Yakima R	39.0002A	Culvert	RND	1.1	SPS	3.05	3.05	82.3	Unk	0.09	1.5	67	Yes	892	7.03
991073	I-82	68.32	Unnamed	Yakima R	37	Culvert	RND	1.1	SPS	2.67	2.67	77.8	No	0	0.8	67	Yes		
990404	I-82	70.12	Unnamed	Yakima R	37	Culvert	RND	1.1	SPS	4.27	4.27	87.4	No	0	1.05	67	Yes		
991074	I-82	72.08	Unnamed	Yakima R	37	Culvert	RND	1.1	CST	1.07	1.07	83.4	No	0	2.2	33	Yes		
997806	I-82	72.38	unnamed	unnamed	37	Culvert	RND	1.1	CST	1.07	1.07	154.8	No	0	0.6	67	Yes		
997807	I-82	78.47	Unnamed	Unnamed	37	Culvert	RND	1.1	CST	0.83	0.83	117.5	No	0.19	1.2	67	Yes		
997808	I-82	80.32	Unnamed	Yakima R	37	Culvert	RND	1.1	CST	1.22	1.22	79.5	No	0	0.76	67	Yes		
992948	I-90	60.58	Unnamed	Keechelus Lk	39	Culvert	OTH	1.1	OTH	1.96	1.85	86.5	No	0	2	0	Yes	2618	6.08
992950	I-90	61.34	Price Cr	Yakima R	39.184	Culvert	BOX	1.1	CPC	3.09	3.06	81.7	No	0.36	4.04	0	Yes	1669	6.42
992953	I-90	62.3	Unnamed	Yakima R	39	Culvert	RND	1.1	PCC	1.81	1.81	26.6	No	0	3.07	33	No	91	
992954	I-90	62.3	Unnamed	Yakima R	39	Culvert	BOX	1.1	CPC	1.84	1.84	23.7	No	0	3.08	0	No	91	
992955	I-90	62.71	Swamp Cr	Yakima R	39.1836	Culvert	BOX	2.2	CPC	2.45	1.84	67.7	No	0.15	1.2	33	Yes	1671	17.22
992955	I-90	62.71	Swamp Cr	Yakima R	39.1836	Culvert	BOX	1.2	CPC	2.45	1.84	67.7	No	0.13	1.2	33	Yes	1671	17.22
990378	I-90	70.9	Silver Cr	Yakima R	39.1713	Culvert	BOX	1.2	PCC	2.88	1.84	91.5	No	0.57	1.4	67	Yes	3849	19.29
990378	I-90	70.9	Silver Cr	Yakima R	39.1713	Culvert	BOX	2.2	PCC	2.83	1.85	89.8	No	0.27	1.87	67	Yes	3849	19.29
990891	I-90	74.9	Unnamed	Yakima R	39	Culvert	BOX	2.2	PCC	1.83	3.05	19.5	Unk	0	4	0	No		
990891	I-90	74.9	Unnamed	Yakima R	39	Culvert	RND	1.2	CST	1.22	1.22	28.4	Unk	0.34	3.5	0	No		
995465	I-90	88.42	Thorton Cr	Yakima R	39.1418	Culvert	RND	1.1	CST	0.91	0.91	141.2	No	0	10.3	0	Yes		
991464	I-90	93.35	Morrison Canyon Cr	Yakima R	39.123	Culvert	RND	1.1	SPS	1.22	1.22	79.2	Unk	0	1	33	Yes	4032	3.95
990194	I-90	97.3	Unnamed	Taneum Cr	39	Culvert	RND	1.1	CST	0.76	0.76	106.7	Unk	0.37	7.5	0	Unk		
995459	I-90 Off Exit 84	0.28	Unnamed	Unnamed	39	Culvert	RND	1.1	PCC	1.9	1.9	53.4	No	0.15	0.6	67	Yes		
997942	SR 240 EB	0.02	Unnamed	Columbia R	31	Culvert	BOX	1.1	CPC	2.12	1.89	84.7	No	7	3.7	0	Yes		
990439	SR 241	8.8	Unnamed	Sulphur Cr Wstwy	37	Culvert	RND	1.1	PCC	1.22	1.22	40.9	No	0.82	0.93	0	Yes		
998605	SR 410	75.3	Unnamed	Rainier Fk American R	38	Culvert	RND	1.1	PCC	0.61	0.61	23.8	No	1.2	10.34	0	Yes		
991018	SR 410	76.1	Unnamed	American R	38	Culvert	RND	1.1	PCC	0.61	0.61	26.2	No	0	3.12	33	Unk		
998606	SR 410	76.45	Unnamed	American R	38	Culvert	RND	1.1	CST	0.61	0.61	26.6	No	0.3	1.8	0	No	110	
990409	SR 410	82.8	Wash Cr	American R	38	Culvert	RND	1.1	CST	3.05	3.05	34.1	No		2.5	67	Yes	222	5.41
998614	SR 410	84.02	Unnamed	American R	38	Culvert	RND	1.1	CST	0.91	0.91	17	No	2.05	4.8	0	Yes		
990003	SR 410	91.6	Unnamed	Naches R	38	Culvert	RND	1.1	PCC	0.46	0.46	18	No	0	2.4	67	No	100	
998887	SR 410	97.88	Gold Cr	Naches R	38.0801	Culvert	BOX	1.1	CPC	1.8	1.3	29.9	No	0	3.5	33	Yes		
998880	SR 410	107.55	Unnamed	Naches R	38	Culvert	BOX	1	CPC	1.22	1.22	0.9	Unk			0	Unk		
991456	SR 821	0.1	Unnamed	Yakima R	39.0002A	Culvert	RND	1.1	SPS	3.05	3.05	50	Unk	0.12	2	33	Yes	892	8.84
990183	US 12	168.3	Hause Cr	Tieton R	38	Culvert	BOX	1.1	PCC	1.22	1.22	15.2	No	0.12	5	0	Yes	950	7.16
992140	US 12	168.56	Pine Cr	Tieton R	38	Culvert	RND	1.1	PCC	0.84	0.84	17.7	No	0	2.14	33	Yes		1.62
992148	US 12	178.89	Bear Canyon Cr	Tieton R	38.0208	Culvert	BOX	1.2	PCC	1.22	1.22	16.8	No	0.55	2.5	0	Yes		
992148	US 12	178.89	Bear Canyon Cr	Tieton R	38.0208	Culvert	BOX	2.2	PCC	1.22	1.22	16.8	No	0.55	2.5	0	Yes		
990293	US 12	348.5	Mud Cr	Dry Cr	32.0956	Culvert	RND	1.1	CST	2.6	2.6	49.9	No	0.37	1.44	33	Yes	5963	5.78
991746	US 12	390.59	Pataha Cr	Tucannon R	35	Culvert	ARCH	1.1	CPC	18.9	5.34	7.3	No	0.29	1.3	33	Yes		
990189	US 97	37.14	Highbridge Springs	Satus Cr	37	Culvert	BOX	1.1	CPC	2.44	2.44	29	No		3	0	Yes	1127	6.13
990129	US 97	143.25	Dry Cr	Yakima R	39.1049	Culvert	BOX	2.2	CPC	1.53	1.22	25.5	No	0.15	0.78	67	Yes		
990129	US 97	143.25	Dry Cr	Yakima R	39.1049	Culvert	BOX	1.2	CPC	1.53	1.22	25.5	No	0.15	0.78	67	Yes		

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
990130	US 97	144.89	Dry Cr	Yakima R	39.1049	Culvert	SQSH	2.2	CST	1.45	0.91	27.1	No	0.49	0.96	0	Yes		
990130	US 97	144.89	Dry Cr	Yakima R	39.1049	Culvert	SQSH	1.2	CST	1.45	0.91	27.1	No	0.49	0.55	0	Yes		

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Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
WSDOT Eastern Region - E																			
998248	I-90	244.49	Unnamed	Negro Cr	34	Culvert	BOX	2.2	CPC	3.05	3.65	107.1	No	1.1	1.84	0	Yes		
998248	I-90	244.49	Unnamed	Negro Cr	34	Culvert	BOX	1.2	CPC	3.05	3.65	107.3	No	1.1	1.66	0	Yes		
997545	I-90	279.09	Garden Springs Cr	Hangman Cr	56.0005	Culvert	BOX	1.1	CPC	1.22	0.91	102.4	No	0	2.54	0	Yes		
997546	I-90 Off Ramp	278	Garden Springs Cr	Hangman Cr	56.0005	Culvert	RND	1.1	CST	0.91	0.91	27.6	No	0	2.6	33	Yes		
997547	I-90 Off Ramp	278	Garden Springs Cr	Hangman Cr	56.0005	Culvert	RND	1.1	PCC	0.46	0.46	17.3	No	0.06	1.85	33	Yes		
990226	SR 194	1.2	Little Almota Cr	Snake R	35.1018	Culvert	RND	1.1	CST	0.91	0.91	42.7	Unk	1.31	4	0	Yes	2470	6.29
998376	SR 194	15.75	Wilbur Cr	Union Flat Cr	34.0285	Culvert	SQSH	1.1	CST	2.15	1.62	24.7	No	0.1	1.94	67	Yes		
998377	SR 194	15.86	Unnamed	Wilbur Cr	34	Culvert	SQSH	1.1	CST	1.22	0.89	18.5	No	0.78	4.26	0	Yes	1190	
994273	SR 195	93.39	Marshall Cr	Hangman Cr	56.0008	Culvert	BOX	1.1	CPC	1.91	1.91	63.6	No	1.39	1.4	0	Yes	54960	9.57
997857	SR 20	281.93	Patchen Cr	L Pend Oreille R	59	Culvert	RND	1.1	CST	0.91	0.91	41.3	No		1.43	67	Yes		
997858	SR 20	282.37	Unnamed	L Pend Oreille R	59.0389	Culvert	RND	1.1	CST	0.91	0.91	31.5	No	0.39	1.8	0	Yes		
998865	SR 20	320.9	Unnamed	Unnamed	58	Culvert	RND	1.1	CST	0.46	0.46	36	No	0.13	15	0	Yes		
998866	SR 20	320.97	Pass Cr	Sherman Cr	58.0472	Culvert	RND	1.1	PCC	0.76	0.76	73.4	No		27	0	Yes		
998867	SR 20	321.5	Pass Cr	Sherman Cr	58.0472	Culvert	RND	1.1	PCC	0.61	0.61	32.3	No	0.1	16	0	Yes		
998869	SR 20	323.74	Sherman Cr	Columbia R	58.0428	Culvert	BOX	1.1	CPC	1.87	1.87	43.8	No	0.26	5.4	0	Yes		
998870	SR 20	323.87	Unnamed	Sherman Cr	58.0073	Culvert	BOX	1.1	CPC	1.55	1.55	47.2	No	0.13	5.8	0	Yes		
998791	SR 20	328.69	Milk Cr	Sherman Cr	58.0464	Culvert	RND	1.1	PCC	0.61	0.61	24.8	No	0.4	0.9	33	Yes		
998794	SR 20	330.04	Hart Creek	Sherman Cr	58.0462	Culvert	RND	2.2	CST	0.61	0.61	16.1	No	0.27	2.2	0	Yes		
998794	SR 20	330.04	Hart Creek	Sherman Cr	58.0462	Culvert	RND	1.2	PCC	0.61	0.61	16.7	No	0.27	2.6	0	Yes		
998802	SR 20	336.54	Unnamed	Sherman Cr	58	Culvert	RND	1.1	PCC	0.46	0.46	24.3	No	0.07	6.6	33	Yes		
998803	SR 20	336.89	Trout Cr	Sherman Cr	58.0434	Culvert	RND	1.2	CST	0.91	0.91	18.2	No	0.83	0.16	0	Yes		
998803	SR 20	336.89	Trout Cr	Sherman Cr	58.0434	Culvert	RND	2.2	CST	0.91	0.91	18.2	No	0.83	0.38	0	Yes		
992122	SR 20	361.47	Unnamed	Keogh Lk	59	Culvert	RND	1.1	CAL	0.6	0.6	32.5	Yes	0	2.92	67	Yes		
990303	SR 20	363.73	Narcisse Cr	Lk Pend Oreille	59.0252	Culvert	RND	2.2	CST	0.77	0.77	16.1	No	0.23	1.8	0	Yes		
990303	SR 20	363.73	Narcisse Cr	Lk Pend Oreille	59.0252	Culvert	RND	1.2	PCC	0.96	0.96	15.8	No	0	1.58	0	Yes		
997836	SR 20	365.6	Unnamed	Starvation Lk	59.0301	Culvert	OTH	1.1	OTH	0.61	0.61	35.7	No	0.15	5.5	0	Yes		
990398	SR 20	367.77	Squaw Cr	L Pend Oreille R	59.0305	Culvert	RND	1.1	CST	2.14	2.14	40	No	0	1.5	33	Yes		
990195	SR 20	378.29	Hosmer Cr	L Pend Oreille R	59.0364	Culvert	RND	1.2	CST	0.91	0.91	31.1	No	0	1.8	67	Yes		
990195	SR 20	378.29	Hosmer Cr	L Pend Oreille R	59.0364	Culvert	RND	2.2	CST	0.91	0.91	30.9	No	0	1.8	67	Yes		
990174	SR 20	378.74	Handle Cr	L Pend Oreille R	59.037	Culvert	SQSH	2.3	CST	1.07	0.7	26.7	No		2.5	67	Yes		
990174	SR 20	378.74	Handle Cr	L Pend Oreille R	59.037	Culvert	SQSH	1.3	CST	1.07	0.7	27	No		2.4	67	Yes		
990174	SR 20	378.74	Handle Cr	L Pend Oreille R	59.037	Culvert	SQSH	3.3	CST	1.07	0.7	26.8	No		1.9	67	Yes		
990881	SR 20	380.1	Unnamed	Lk Thomas	59	Culvert	SQSH	1.1	CST	1.45	0.95	25.9	No	0	4.17	33	Yes		
997856	SR 20	381.34	Deer Cr	L Pend Oreille R	59.0383	Culvert	ELL	1.1	CST	1.4	1.57	47.4	No		0.82	33	Yes		
990250	SR 20	384.95	Lost Cr	Pend Oreille R	62.0322	Culvert	SQSH	1.1	CST	2.04	1.53	28.1	No	0	2	67	Yes		
990350	SR 20	388.13	Renshaw Cr	Pend Oreille R	62.031	Culvert	RND	1.2	CST	0.9	0.9	22.1	No	0	3.9	33	No	116	
990350	SR 20	388.13	Renshaw Cr	Pend Oreille R	62.031	Culvert	RND	2.2	CST	0.9	0.9	22.3	No	0	3.9	33	No	116	
990351	SR 20	389.5	Renshaw Cr	Pend Oreille R	62.031	Culvert	SQSH	1.1	CST	1.92	1.4	23.7	No		2	0	Yes		
997877	SR 20	399.16	Unnamed	Pend Oreille R	62	Culvert	RND	1.1	PCC	0.61	0.61	26.2	No	0	6.2	0	Yes		
990353	SR 20	403.6	Reynolds Cr	Pend Oreille R	62.0408	Culvert	RND	1.1	PCC	0.76	0.76	43.5	No	0.27	3.01	0	Yes	713	2.65
997880	SR 20	408.69	Unnamed	Pend Oreille R	62	Culvert	RND	1.1	CST	0.76	0.76	27.2	No	0	11	0	Yes		

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
990165	SR 20	409.58	Gardiner Cr	Pend Oreille R	62.0525	Culvert	RND	1.2	PCC	0.76	0.76	13.4	No	0	3.8	67	Yes		
990165	SR 20	409.58	Gardiner Cr	Pend Oreille R	62.0525	Culvert	RND	2.2	PCC	0.76	0.76	14.2	No	0	3.4	67	Yes		
990101	SR 20	411.4	Cusick Cr	Pend Oreille	62.0524	Culvert	RND	1.2	PCC	0.76	0.76	19	No	0.02	2	33	Yes		
990101	SR 20	411.4	Cusick Cr	Pend Oreille	62.0524	Culvert	RND	2.2	PCC	0.76	0.76	18.8	No	0.03	1.8	33	Yes		
997871	SR 20	426.24	Bracket Cr	Pend Oreille R	62.0815	Culvert	RND	1.1	CST	1.52	1.52	62.1	No	0	1.7	67	Yes		
998654	SR 206	7.11	Unnamed	Deadman Cr	55.0092	Culvert	BOX	1.1	CPC	1.52	1.22	10.1	No	0	2.08	67	Yes	200	
998655	SR 206	7.5	Unnamed	Deadman Cr	55.0102	Culvert	RND	1.1	CST	0.91	0.91	19.8	No	0	2.1	67	Yes	200	
998657	SR 206	9	Unnamed	Deadman Cr	55.0109	Culvert	RND	1.1	CST	0.91	0.91	17.2	No	0.4		0	Yes	200	
998659	SR 206	9.89	Unnamed	Deadman Cr	55.0112	Culvert	SQSH	1.1	CST	1.95	1.51	13.2	No	0	3.34	33	Yes	200	
998581	SR 21	9.02	Unnamed	Sanpoil R	52	Other										0	No		
990280	SR 21	115.6	Meadow Cr	Sanpoil R	52.0031	Culvert	BOX	1.1	PCC	1.83	1.83	46.9	No	6.1	5.5	0	Yes		
990204	SR 21	117.05	Jack Cr	Sanpoil R	52.0046	Culvert	BOX	1.1	PCC	1.52	1.52	17.8	No	1.5	2.3	0	Yes	673	3.13
990140	SR 21	120.18	Empire Cr	Sanpoil R	52.0058	Culvert	BOX	1.1	PCC	1.22	0.91	27.4	No	1.25	2.5	0	Yes	1635	3.78
990242	SR 21	122.05	Lime Cr	Sanpoil R	52.0066	Culvert	BOX	1.1	CPC	1.22	1.22	23.8	No	0.29	5	0	Yes	927	3.38
990056	SR 21	123.64	Cache Cr	Sanpoil R	52.0068	Culvert	BOX	1.1	PCC	0.91	1.22	10.4	No	0.3	0.7	33	Yes		
990275	SR 21	125.38	McAllister Cr	Sanpoil R	52.0082	Culvert	RND	1.1	PCC	1.07	1.07	14.8	No	0	4.8	0	Yes		
990362	SR 21	133.6	South Nanamkin Cr	Sanpoil R	52.0125	Culvert	SQSH	1.2	CST	1.83	1.14	14.8	No	0.55	1.01	33	Yes		
990362	SR 21	133.6	South Nanamkin Cr	Sanpoil R	52.0125	Culvert	RND	2.2	OTH	0.46	0.46	14.8	No	0.9	0.5	33	Yes		
990013	SR 21	139.4	Anderson Cr	Sanpoil R	52	Culvert	BOX	1.1	PCC	1.22	2.44	0.9	Unk			0	Yes	760	3.58
998580	SR 21	165.4	Curlew Cr	Sanpoil R	52.0288	Culvert	SQSH	1.1	CST	1.7	1.2	18.6	No	0	2.4	33	Yes		
990096	SR 21	172.85	Curlew Cr	Kettle R	60.0288	Culvert	RND	1.4	OTH	0.76	0.76	11.3	No		3.6	67	Yes		
990096	SR 21	172.85	Curlew Cr	Kettle R	60.0288	Culvert	RND	4.4	CST	0.91	0.91	10	No		2.2	67	Yes		
990096	SR 21	172.85	Curlew Cr	Kettle R	60.0288	Culvert	RND	3.4	CST	0.91	0.91	10.1	No		1.9	67	Yes		
990096	SR 21	172.85	Curlew Cr	Kettle R	60.0288	Culvert	RND	2.4	OTH	0.76	0.76	11.6	No		2.5	67	Yes		
990097	SR 21	173.93	Curlew Cr	Kettle R	60.0288	Culvert	RND	1.1	CST	1.52	1.52	17.3	No	0	1.21	67	Yes		
990098	SR 21	174.35	Curlew Cr	Kettle R	60.0288	Culvert	RND	1.1	CST	1.83	1.83	13.7	No	0	0.87	33	Yes		
990099	SR 21	174.65	Curlew Cr	Kettle R	60.0288	Culvert	RND	1.1	CST	1.83	1.83	16	No	0.25	1.25	67	Yes		
990399	SR 21	175.2	St Peter's Cr	Curlew Cr	60	Culvert	RND	1.1	CST	1.07	1.07	21.3	No	0.55	3	0	Yes	1100	3.31
990100	SR 21	177.09	Aeneas Cr	Curlew Cr	60.03	Culvert	RND	1.1	CST	0.84	0.84	20.7	No	0	2.65	67	No	166	
998817	SR 21	179.17	Tonasket Cr	Curlew Cr	60.0291	Culvert	RND	1.1	CST	0.61	0.61	22.2	No	0	9.09	33	Yes		
998822	SR 21	185.18	Little Goosmus Cr	Kettle R	60.0263	Culvert	RND	1.1	PCC	0.61	0.61	11.8	No	0.75	3.65	33	Yes		
997863	SR 211	7.45	Deer Cr	SF Calispell Cr	62.078	Culvert	RND	1.1	PCC	0.76	0.76	32	No	0.14	1.3	33	Yes		
998536	SR 23	1.92	Unnamed	Pleasant Valley Cr	34	Culvert	RND	2.2	PCC	0.76	0.76	12.6	No		2.39	33	No	130	
998536	SR 23	1.92	Unnamed	Pleasant Valley Cr	34	Culvert	RND	1.2	PCC	0.76	0.76	12.6	No	0	2.06	33	No	130	
990372	SR 23	52.28	Sheep Cr	Upper Crab Cr	43.0852	Culvert	BOX	1.1	CPC	3.05	2.45	45.5	No	0.02	3.73	0	Yes	1510	3.99
991465	SR 231	18.38	Unnamed	Upper Crab Cr	43	Culvert	RND	1.2	CST	1.52	1.52	18	No	0	1.05	67	Yes		
991465	SR 231	18.38	Unnamed	Upper Crab Cr	43	Culvert	RND	2.2	CST	1.52	1.52	19	No	0	2.1	67	Yes		
998266	SR 231	18.75	Unnamed	Unk	43	Culvert	RND	2.2	CST	1.52	1.52	17.2	No	0	2.3	33	Yes		
998266	SR 231	18.75	Unnamed	Unk	43	Culvert	RND	1.2	CST	1.52	1.52	17.1	No	0	2.3	33	Yes		
998267	SR 231	19.25	Unnamed	Unk	43	Culvert	RND	1.2	CST	1.37	1.37	15.6	No	0	1.34	67	Yes		
998267	SR 231	19.25	Unnamed	Unk	43	Culvert	RND	2.2	CST	1.37	1.37	15.1	No	0	1.85	67	Yes		
998271	SR 231	27.82	Crab Cr	Potholes Reservoir	43	Culvert	RND	1.2	CST	1.83	1.83	18.2	No	0	1.59	67	Yes		

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
998271	SR 231	27.82	Crab Cr	Potholes Reservoir	43	Culvert	RND	2.2	CST	1.83	1.83	18.2	No	0	1.48	67	Yes		
991683	SR 231	36.09	Unnamed	Spring Cr	54	Culvert	BOX	1.1	PCC	1.83	1.22	16.1	No	0.55	2.5	0	Yes		
997861	SR 231	70.06	Jump-off Joe Cr	Colville R	59.0786	Culvert	BOX	1.1	CPC	2.17	0.93	11.6	No	0.22	2.9	0	Yes		
997862	SR 231	70.96	Bull Dog Cr	Colville R	59.0781	Culvert	RND	1.1	OTH	0.61	0.61	15.9	No	0	1.1	67	Yes		
998930	SR 25	17.84	Bockemuehl Canyon Cr	Unnamed wetlands	54	Culvert	BOX	1.1	CPC	1.83	1.83	23.9	No	0.53	6	0	Yes		
991470	SR 25	33.62	Unnamed	O-Ra-Pak-En Cr	58.0127	Culvert	RND	1.1	CST	0.91	0.91	36.6	No	0.4	2.5	0	Yes		
990007	SR 25	37.73	Alder Cr	Lk Roosevelt	58.0134	Culvert	BOX	1.1	CPC	1.52	1.83	20.4	No	0	6	0	Yes	9235	6.61
990198	SR 25	42.33	Hunters Cr	Lk Roosevelt	58.0146	Culvert	BOX	1.1	CPC	3.96	1.68	27.1	No	0.35	2.5	0	Yes	2205	4.87
998854	SR 25	46.06	Harvey Cr	Lk Roosevelt	58.02	Culvert	BOX	1.1	CPC	1.55	1.83	58.5	No	0	2.7	33	Yes		
998856	SR 25	55.74	Deer Cr	Lk Roosevelt	58.0221	Culvert	RND	1.2	PCC	0.46	0.46	12.6	No	0.33	4.75	0	Yes		
998856	SR 25	55.74	Deer Cr	Lk Roosevelt	58.0221	Culvert	RND	2.2	PCC	0.61	0.61	12.7	No	0.29	5.45	0	Yes		
998857	SR 25	60.08	Unnamed	Lk Roosevelt	58	Culvert	RND	1.1	CST	0.61	0.61	28	No	0.83	8.8	0	No		
998860	SR 25	66.01	Cheweka Cr	Lk Roosevelt	58.0361	Culvert	BOX	1.1	CPC	1.22	1.22	32	No	1.05	3.4	0	Yes		
998861	SR 25	66.14	Unnamed	Cheweka Cr	58	Culvert	RND	1.1	CST	0.61	0.61	23.8	Unk	0	5.9	33	Unk		
998862	SR 25	67.91	Quillisacut Cr	Lk Roosevelt	58.0387	Culvert	RND	1.1	PCC	1.22	1.22	65.9	Yes	0	2.6	33	Yes		
998864	SR 25	76.15	Hallam Cr	Lk Roosevelt	58.0424	Culvert	RND	1.1	CST	0.46	0.46	14.1	No	0	2.1	67	Yes		
990343	SR 25	84.57	Pingston Cr	Columbia R	61.0007	Culvert	BOX	1.1	CPC	1.22	1.22	40.6	No	0.18	3.4	33	Yes		
998843	SR 25	102.66	Unnamed	LK Roosevelt	61.0076	Culvert	RND	1.1	CST	0.91	0.91	37.6	No		3.88	0	Yes		
990319	SR 25	108.94	Onion Cr	LK Roosevelt	61.0098	Culvert	BOX	1.1	CPC	2.45	1.85	30	No	0	2.1	67	Yes		
998844	SR 25	111.95	Fivemile Cr	Columbia R	61.0148	Culvert	RND	1.1	PCC	0.76	0.76	66.4	No		13	0	No		
998847	SR 25	119.87	Boundary Cr	Little Sheep Cr	61.0163	Culvert	RND	1.1	CST	1.52	1.52	42.7	No	0.45	4.5	0	Yes		
998352	SR 26	107.78	Willow Cr	Palouse R	34.0131	Culvert	BOX	2.2	CPC	3.05	2.44	31.9	No	0.7	0.21	33	Yes		
998352	SR 26	107.78	Willow Cr	Palouse R	34.0131	Culvert	BOX	1.2	CPC	3.05	2.44	30.6	No	0.7	0.41	33	Yes		
998365	SR 26	131.86	Unnamed	Palouse R	34	Culvert	RND	1.1	PCC	0.76	0.76	46.9	No	0	3.69	33	Yes		
998366	SR 26	132.14	Unnamed	Palouse R	34	Culvert	RND	1.1	PCC	1.07	1.07	61.9	No	0.4	4.1	0	Yes		
998367	SR 26	132.43	Unnamed	Palouse R	34	Culvert	RND	1.1	OTH	0.91	0.91	61.9	No	0	4.97	0	Yes		
998417	SR 27	2.47	Unnamed	Missouri Flat Cr	34	Culvert	RND	1.1	PCC	1.22	1.22	36.1	No	0	1.83	67	Yes		
998418	SR 27	4.69	Unnamed	Rose Cr	34	Culvert	BOX	1.1	PCC	1.83	1.83	28.4	No	0	1.44	33	Yes		
998419	SR 27	5.12	Rose Cr	Fourmile Cr	34.2269	Culvert	BOX	2.2	PCC	2.59	1.22	23.5	No	0	2.9	33	Yes		
998419	SR 27	5.12	Rose Cr	Fourmile Cr	34.2269	Culvert	BOX	1.2	PCC	2.59	1.22	22.1	No	0	3.17	33	Yes		
998445	SR 27	14.86	Unnamed	Palouse R	34	Culvert	OTH	1.1	OTH	1.53	1.53	160.9	No	0	2.31	33	Yes		
998449	SR 27	16.85	Duffield Cr	Palouse R	34.2856	Culvert	BOX	1.1	CPC	3.05	1.83	61	No	0	4.6	33	Yes		
998450	SR 27	17.22	Unnamed	Palouse R	34	Culvert	RND	1.1	OTH	0.91	0.91	49.7	No	0.16	2.05	33	No	100	
998521	SR 27	29.31	Unnamed	Kelly Cr	34	Culvert	BOX	1.1	CPC	1.83	1.83	16.1	No	0	2.9	67	Yes		
998529	SR 27	39.33	Unnamed	Pine Cr	34	Culvert	RND	1.1	CST	1.75	1.75	21	No	0	2.47	33	Yes		
998369	SR 270	0.06	Unnamed	Unnamed	34	Culvert	RND	1.1	PCC	0.91	0.91	36.9	No	0.15	1.03	33	Yes	768	
998370	SR 270	1.5	Unnamed	SF Palouse R	34	Culvert	BOX	1.1	PCC	1.22	1.27	65.8	No	0	1.1	67	Yes		
995837	SR 270	4.29	Unnamed	Paradise Cr	34	Culvert	BOX	1.1	CPC	1.3	1.85	25.5	No	0	1.4	67	Yes		
998403	SR 272	7.07	Unnamed	Clear Cr	34	Culvert	RND	1.2	CST	0.76	0.76	11.4	No	0.6	2.11	0	No	136	
998403	SR 272	7.07	Unnamed	Clear Cr	34	Culvert	RND	2.2	CST	0.76	0.76	11.3	No	0.6	2.74	0	No	136	
998405	SR 272	9.88	Brush Cr	Palouse R	34.2679	Culvert	RND	1.1	CST	0.91	0.91	12.2	No	0	1.61	67	Yes		
997854	SR 292	2.96	Sheep Cr	Colville R	59.0861	Culvert	RND	1.1	PCC	1.22	1.22	61.6	No	0.36	1.05	33	Yes	200	

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
990352	SR 31	0.6	Renshaw Cr	Pend Oreille R	62.031	Culvert	RND	1.1	CST	0.76	0.76	29.6	Yes	2.3	3.8	0	Yes		
997883	SR 31	0.85	Diamond Cr	Pend Oreille R	62.0312	Culvert	RND	1.1	CST	0.46	0.46	30.1	No	0.31	1.7	0	Yes		
990201	SR 31	3.75	Ione Millpond	Pend Oreille R	62.0279	Culvert	BOX	1.1	PCC	2.13	2.44	27.9	No	0	2.68	0	Yes	9344	11.73
997885	SR 31	7.39	Unnamed	Pend Oreille R	62.0254	Culvert	RND	1.1	CST	0.61	0.61	23.5	No	2.1	3.6	0	Yes		
998573	SR 31	9.4	Lost Cr	Pend Oreille R	62.0248	Culvert	RND	1.1	PCC	0.91	0.91	37.7	Yes	0.96	12.2	0	Yes		
990416	SR 31	10.7	Sweet Cr	Pend Oreille R	62.0224	Culvert	BOX	1.1	CPC	2.29	2.59	22.7	No	0.6	2.4	0	Yes	328	3.17
997535	SR 31	12.98	Linton Cr	Pend Oreille R	62.0214	Culvert	RND	1.1	PCC	1.22	1.22	44.4	No	0.35	3.65	0	Yes		
997541	SR 31	24.34	Lime Cr	Pend Oreille R	62.0014	Culvert	RND	1.1	PCC	0.91	0.91	13.5	No	0	1.85	33	Yes		
998252	SR 902	1.2	Unnamed	Clear Lk	43	Culvert	RND	1.1	CST	0.61	0.61	18.4	No	0.48	1.14	0	Yes		
998375	SR194	15.08	Wilbur Cr	Union Flat Cr	34.0285	Culvert	SQSH	1.1	CST	2.55	1.69	22.8	No	0.55	2.7	0	Yes		
998383	US 195	8.04	Unnamed	Union Flat Cr	34	Culvert	RND	1.1	CST	1.37	1.37	36.1	No	0	2.17	67	Yes		
998388	US 195	11.91	Unnamed	Union Flat Cr	34	Culvert	BOX	1.1	CPC	1.83	1.22	21.3	No	0	1.97	67	Yes		
998394	US 195	22.78	Unnamed	Unnamed	34	Culvert	SQSH	1.1	CST	1.8	1.14	27	No	0	1.26	67	Yes		
998397	US 195	23.82	Unnamed	SF Palouse R	34	Culvert	BOX	1.1	CPC	1.83	1.83	26.2	No	0	3.02	67	Yes		
998398	US 195	30.7	Unnamed	Spring Flat Cr	34	Culvert	BOX	1.2	CPC	0.91	0.61	41.9	No	0	2.53	67	Yes		
998398	US 195	30.7	Unnamed	Spring Flat Cr	34	Culvert	BOX	2.2	CPC	0.91	0.61	41.9	No	0	2.53	67	Yes		
998431	US 195	43.16	Unnamed	Dry Cr	34	Culvert	BOX	1.1	CPC	1.83	1.22	22.8	No	0	1.49	67	Yes	483	
998436	US 195	45.02	Unnamed	Unnamed	34	Culvert	RND	1.1	CST	0.91	0.91	16.3	No	0.54	6.1	0	Yes		
998457	US 195	55.73	Unnamed	Thorn Cr	34	Culvert	BOX	2.2	CPC	1.83	1.83	55.5	No	0.26	0.08	33	Yes		
998457	US 195	55.73	Unnamed	Thorn Cr	34	Culvert	BOX	1.2	CPC	1.83	1.83	55.2	No	0.26	0.1	33	Yes		
998461	US 195	64.06	Unnamed	Pine Cr	34	Culvert	RND	1.1	SPS	1.83	1.83	124.4	No	0.13	3.25	0	Yes		
998465	US 195	70.59	Unnamed	Unnamed	34	Culvert	RND	2.2	CST	1.45	1.45	56.8	No	0	2	33	Yes		
998465	US 195	70.59	Unnamed	Unnamed	34	Culvert	RND	1.2	CST	1.45	1.45	56.6	No	0.05	1.9	33	Yes		
997543	US 195	95.77	Garden Springs Cr	Hangman Cr	56.0005	Culvert	RND	2.2	CST	0.91	0.91	76.2	No	0	7.5	33	Yes		
997543	US 195	95.77	Garden Springs Cr	Hangman Cr	56.0005	Culvert	RND	1.2	CST	0.91	0.91	75.9	No	0	7.5	33	Yes		
998466	US 195 ROW	70.59	Unnamed	Unnamed	34	Culvert	RND	1.2	CST	1.45	1.45	43.2	No	0.19	2.65	33	Yes		
998466	US 195 ROW	70.59	Unnamed	Unnamed	34	Culvert	RND	2.2	CST	1.45	1.45	43.9	No	0.24	2.64	33	Yes		
997532	US195	94.9	Unnamed	Hangman Cr	56.0006	Culvert	ELL	1.1	SPS	2.29	2.51	101.6	No	0	1.16	67	No	78	
998467	US 195 SB	0.01	Unnamed	Unnamed	34	Culvert	RND	2.2	CST	1.45	1.45	37.9	No	0	1.6	33	Yes		
998467	US 195 SB	0.01	Unnamed	Unnamed	34	Culvert	RND	1.2	CST	1.45	1.45	38	No	0	1.8	33	Yes		
997498	US 2	296.35	Deadman Cr	Little Spokane R	55.0051	Culvert	BOX	1.1	CPC	2.44	2.44	58.7	No	0	0.48	33	Yes		
990113	US 2	304.4	Deer Cr	Little Spokane R	55.038	Culvert	BOX	1.1	PCC	2.13	2.74	0.9	No			33	Yes		
997839	US 20	371.38	Gap Cr	L Pend Oreille R	59.033	Culvert	RND	1.1	CST	0.91	0.91	22.4	No		2	0	Yes		
997841	US 20	372.71	Unnamed	L Pend Oreille R	59.0332	Culvert	RND	1.1	CST	0.91	0.91	26.3	No	0.27	2	0	Yes		
997842	US 20	372.76	Unnamed	L Pend Oreille R	59	Culvert	RND	1.1	CST	0.91	0.91	24.9	No	0.25	2.97	33	Yes		
998833	US 395	0.99	Unnamed	Kettle R	60.0215	Culvert	RND	1.1	PCC	0.46	0.46	15.8	No	0	7.14	33	Yes		
990125	US 395	174.95	Dragoon Cr	L Spokane R	55.0163	Culvert	BOX	2.2	CPC	3.05	3.66	43.1	No	0	-0.18	33	Yes		
990125	US 395	174.95	Dragoon Cr	L Spokane R	55.0163	Culvert	BOX	1.2	CPC	3.05	3.66	43.1	No	0	-0.18	33	Yes		
991001	US 395	183.72	Unnamed	Beaver Cr	55.0298	Culvert	RND	1.1	PCC	1.22	1.22	29.9	No	0	1.9	33	Yes		
990157	US 395	204.79	Franzwa Cr	Colville R	59.0687	Culvert	RND	1.1	PCC	0.91	0.91	31	No	0	1.9	33	Yes		
991557	US 395	208.2	Paye Cr	Colville R	59.0533	Culvert	RND	2.2	CST	1.07	1.07	30.9	No	0.5	1.13	33	Yes		
991557	US 395	208.2	Paye Cr	Colville R	59.0533	Culvert	RND	1.2	CST	1.07	1.07	30.1	No	0.5	1.06	33	Yes		

Appendix I. WSDOT Fish Passage Barriers Inventoried as of March 2007.

Site Id	Road	Milepost	Stream	Tribto	WRIA	Feature Type	Shape	Culv # ¹	Material	Span (m)	Rise (m)	Length (m)	Bed Material	WS Drop (m)	% Slope	% Fish Pass	SR ²	Habitat Gain (m)	PI
997853	US 395	212.77	Unnamed	Colville River	59.0516	Culvert	RND	1.1	CAL	0.46	0.46	45.4	No	0.96	3.68	0	Yes		
990573	US 395	212.8	Unnamed	Colville R	59	Culvert	RND	1.1	PCC	0.76	0.76	50.3	Unk	0.79		0	Yes	1155	2.91
990005	US 395	215.88	Addy Cr	Colville R	59.0455	Culvert	RND	1.1	CST	0.76	0.76	26.5	No	0	3.6	33	Yes	200	
990451	US 395	219.3	Twelvemile Cr	Colville R	59.0403	Culvert	BOX	1.1	OTH	0.61	0.61	57.9	No		3.59	0	Yes		
997848	US 395	228.65	Unnamed	Colville R	59.0209	Culvert	SQSH	1.1	CST	1.72	1.27	49.1	No	0.82	3.61	0	Yes	353	
990106	US 395	247.77	Deadman Cr	Kettle R	60.0008	Culvert	BOX	1.1	CPC	2.45	1.77	45.7	No	0.55	11	0	Yes	38197	11.48
998826	US 395	249.66	Unnamed	Kettle R	60.0055	Culvert	RND	1.1	PCC	0.61	0.61	14.7	No		7.4	33	Yes		
990267	US 395	249.98	Matsen Cr	Kettle R	60.0056	Culvert	RND	1.1	PCC	1.22	1.22	30.5	No	0	5	33	Yes	1450	2.76
990124	US 395	250.19	Doyle Cr	Kettle R	60.006	Culvert	RND	1.1	PCC	1.22	1.22	21.3	No	0	12	0	No	44	
998827	US 395	251.96	Hodgson Cr	Kettle R	60.0067	Culvert	RND	1.2	OTH	0.76	0.76	54.3	No	1.2	36.5	0	No	71	
998827	US 395	251.96	Hodgson Cr	Kettle R	60.0067	Culvert	RND	2.2	OTH	0.76	0.76	55.5	No	1.2	36.5	0	No	71	
998831	US 395	261.62	Unnamed	Kettle R	60.0185	Culvert	RND	1.1	PCC	0.84	0.84	27	No	0	14.43	0	No	128	
998832	US 395	263.91	Jenny Cr	Kettle R	60.021	Culvert	RND	1.1	PCC	0.61	0.61	14.1	No	0.11	4.95	33	Yes		
998834	US 395	267.13	Kerry Cr	Kettle R	60.0216	Culvert	BOX	1.1	CPC	1.84	1.23	35	No	0	5.71	33	Yes		
998835	US 395	267.68	Unnamed	Kettle R	60.0218	Culvert	RND	1.1	PCC	0.76	0.76	26.6	No	0	4.96	33	No	99	

¹ The culvert # identifies individual culverts at multiple stream crossings. Format X.Y., where X specifies specific culvert number, and Y specifies total number of crossings. For example, in a triple culvert crossing; the first pipe would be 1.3, the second 2.3, and the third 3.3.

² SR signifies a significant reach. A significant reach is defined as a section of stream having at least 200 linear meters of usable habitat without a gradient or natural point barrier.

Codes Used for Culvert Shape

ARCH - bottomles arch
 SQSH - squash
 RND - round
 BOX - rectangular
 ELL - ellipse
 OTH - other

Codes Used for Culvert Materials

PCC - precast concrete
 CST - corrugated steel
 SST - smooth steel
 CAL - Corrugated aluminium
 SPS - structural plate steel
 PVC - plastic
 TMB - timber
 MRY - masonry
 OTH - other
 SPA - structural plate aluminium