

Species = chinook Number of populations = 282 Baseline Description = CTC Number of loci = 13 Max missing loci = 5
Number of chains = 10 Number of Reps = 10000 Reps Kept = 1000

Sample	Vial ID	Year	Gear	Area	Mix Date	N	Excluded
	1 48-136		2012 troll	NWVI	February	105	0

Species = chinook Number of populations = 282 Baseline Description = CTC Number of loci = 13 Max missing loci = 5
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2012
 48-136
 troll
 NWVI
 Area126
 February
 105(0)

Code	Stock	Estima	SD
49	Bowron	0.0	(0.1)
64	Goat	0.0	(0.1)
65	Holmes	0.0	(0.1)
231	Kenneth_Cr	0.0	(0.0)
246	Morkill	0.0	(0.1)
48	R_Chehalis	0.0	(0.1)
67	Slim	0.0	(0.1)
66	Swift	0.0	(0.1)
39	Tete_Jaune	0.0	(0.1)
247	Torpy	0.0	(0.1)
69	Willow	0.0	(0.2)
482	Baker_Cr	0.0	(0.1)
45	Bridge	0.0	(0.1)
206	Chilako	0.0	(0.1)
44	Chilko	0.8	(0.9)
50	Cottonwood	0.0	(0.0)
71	Elkin	0.0	(0.0)
228	Kuzkwa_Cr	0.0	(0.1)
99	L_Cariboo	0.0	(0.1)
102	L_Chilcoti	0.0	(0.2)
349	Nazko	0.0	(0.0)
30	Nechako	0.0	(0.2)
74	Portage	0.0	(0.1)
8	Quesnel	0.0	(0.1)
29	Stuart	0.1	(0.4)
143	Taseko	0.0	(0.0)
254	U_Cariboo	0.0	(0.1)
73	U_Chilcotin	0.0	(0.0)
103	Westroad	0.0	(0.1)
194	Chilliwac@Stav	0.0	(0.2)
6	Harrison	4.3	(3.0)
471	Sweltzer_Cr	0.0	(0.1)
40	W_Chilliwack	1.2	(1.7)
210	Blue	0.0	(0.1)
145	Clearwater	0.0	(0.1)
87	Finn	0.0	(0.0)
211	Lemieux_Cr	0.0	(0.1)
70	Raft	0.0	(0.0)
183	Bessette	0.0	(0.1)
235	Duteau_Cr	0.0	(0.0)
75	Eagle	0.0	(0.1)
84	L_Adams	0.0	(0.1)
137	L_Thompson	0.0	(0.1)
47	M_Shuswap	0.0	(0.0)
76	Salmon@SA	0.0	(0.0)
83	Bonaparte	0.0	(0.1)
82	Deadman	0.0	(0.0)
90	Louis	0.0	(0.0)
42	Nicola	0.0	(0.1)
223	U_Coldwat_SP	0.0	(0.1)

2 Big_Qualicum	0.0	(0.1)
18 Chemainus	0.0	(0.0)
11 Cowichan	0.0	(0.3)
97 L_Qualicum	0.1	(0.5)
101 Nanaimo_F	0.0	(0.0)
267 Nanaimo_SP	0.0	(0.0)
7 Nanaimo_SU	0.0	(0.1)
386 NanaimoUpper	0.0	(0.1)
94 Nimpkish	0.0	(0.1)
105 Puntled_SU	0.3	(0.7)
106 Puntledge_F	0.3	(0.7)
3 Quinsam	0.0	(0.1)
335 Woss_Lake	0.0	(0.0)
314 8702Gold	0.0	(0.3)
242 Burman	0.0	(0.1)
5 Conuma	0.0	(0.1)
31 Kennedy	0.0	(0.0)
72 Marble@NVI	0.0	(0.0)
459 Megin	0.0	(0.1)
108 Nahmint	0.0	(0.1)
9 Nitinat	0.0	(0.0)
1 Robertson	0.0	(0.1)
135 San_Juan	0.0	(0.1)
107 Sarita	0.0	(0.1)
405 Sooke	0.0	(0.1)
331 Tahsis	0.0	(0.1)
34 Thornton	0.0	(0.1)
332 Tlupana	0.0	(0.1)
257 Toquart	0.0	(0.1)
111 Tranquil	0.0	(0.1)
315 Zeballos	0.0	(0.1)
262 Capilano	0.1	(0.4)
415 Cheakamus	0.0	(0.1)
470 Cheakamus_F	0.0	(0.0)
148 Devereux	0.0	(0.1)
147 Klinaklini	0.0	(0.1)
241 Phillips	0.0	(0.1)
120 Porteau_Cove	0.0	(0.1)
215 Ashlulm	0.0	(0.0)
27 Atnarko	0.0	(0.0)
117 Chuckwalla	0.0	(0.1)
346 Dean	0.2	(0.7)
250 Dean@Main	0.0	(0.0)
261 Docee	0.0	(0.0)
395 Kateen	0.0	(0.1)
116 Kilbella	0.0	(0.3)
118 Kildala	0.0	(0.1)
4 Kitimat	0.2	(0.6)
394 Kitlope	0.0	(0.1)
345 Takia	0.0	(0.1)
249 U_Dean	0.0	(0.2)
23 Wannock	0.0	(0.1)
62 Cranberry	0.0	(0.1)
53 Damdochax	0.0	(0.1)
397 Ishkheenickh	0.0	(0.2)
79 Kincolith	0.0	(0.2)
398 Kiteen	0.0	(0.1)
25 Kwinageese	0.0	(0.1)
57 Meziadin	0.0	(0.0)
58 Owegee	0.0	(0.0)
80 Teigen	0.0	(0.0)
61 Tseax	0.0	(0.0)

92 Big_Silver	0.0	(0.0)
93 Birkenhead	0.0	(0.0)
426 BlueCr_UpPitt	0.0	(0.1)
341 Sloquet_Cr	0.0	(0.1)
272 Upper_Pitt	0.0	(0.0)
212 Maria_Slough	0.0	(0.0)
186 Yakoun	0.0	(0.1)
20 Bear	0.0	(0.1)
466 Kluayaz_Cr	0.0	(0.0)
467 Skeena@Kluakaz	0.0	(0.0)
396 Slamgeesh	0.0	(0.0)
51 Sustut	0.0	(0.0)
52 Babine	0.0	(0.0)
15 Bulkley	0.0	(0.0)
19 Morice	0.0	(0.0)
55 Kispiox	0.0	(0.1)
16 Kitwanga	0.0	(0.1)
403 Skeena@Terrace	0.5	(1.0)
401 Sweetin	0.0	(0.1)
21 Ecstall	0.0	(0.1)
24 L_Kalum	0.3	(0.7)
26 L_Kalum@AC	0.0	(0.4)
402 Thomas_Cr	0.1	(0.3)
1041 Eel_R	0.0	(0.1)
1100 Russian_R	0.0	(0.0)
1010 Battle_Cr	0.0	(0.1)
1015 Butte_Cr_f	0.0	(0.1)
1048 Feather_H_fa	1.3	(1.8)
1121 Stanislaus_R	0.0	(0.1)
1016 Butte_Cr_sp	0.0	(0.1)
1038 Deer_Cr_sp	0.0	(0.1)
1049 Feather_H_sp	1.5	(1.8)
1088 Mill_Cr_sp	0.0	(0.2)
1105 Sacramento_H	0.0	(0.1)
1071 L_Deschutes_R	11.9	(5.0)
1130 U_Deschutes_R	0.0	(0.1)
1050 George_Adams_H	1.2	(2.1)
1054 Hamma_Hamma_F	0.0	(0.1)
1097 NF_Skokomish_R_	2.1	(2.4)
1109 SF_Skokomish_R_	0.2	(0.9)
1039 Dungeness_R	0.0	(0.0)
1045 Elwha_H	0.1	(0.4)
1046 Elwha_R	0.2	(0.6)
1067 Klamath_R_fa	0.0	(0.1)
1126 Trinity_H_f	0.0	(0.1)
1127 Trinity_H_sp	0.0	(0.1)
1001 Abernathy_Cr_Fa	0.1	(0.7)
1002 Abernathy_NFH_F:	3.9	(2.2)
1033 Coweeman_R_Fa	0.0	(0.1)
1034 Cowlitz_H_fa	0.0	(0.4)
1044 Elochoman_R_Fa	0.0	(0.4)
1052 Green_R_Fa	0.2	(0.9)
1076 Lewis_R_f	10.1	(3.3)
1077 Lewis_R_LSu	0.0	(0.1)
1078 Lewis_R_Su	0.1	(0.6)
1108 Sandy_R	0.0	(0.4)
1142 Washougal_R_Fa	0.0	(0.4)
1035 Cowlitz_H_sp	0.0	(0.1)
1062 Kalama_H_sp	10.9	(3.4)
1075 Lewis_H_sp	0.0	(0.1)
1004 American_Sp	0.0	(0.1)
1019 Carson_H	0.0	(0.0)

1047 Entiat_H	0.0	(0.1)
1051 Granite_Cr	0.0	(0.1)
1058 John_Day_R	0.0	(0.1)
1059 JohnDay_R	0.0	(0.1)
1068 Klickitat_H	0.0	(0.1)
1069 Klickitat_R_sp	0.0	(0.4)
1074 L_Wh_Sal_H_sp	0.0	(0.1)
1079 Little_Naches_Sp	0.0	(0.1)
1086 Methow_R_sp	0.0	(0.1)
1087 MF_JohnDay_R	0.0	(0.0)
1090 Naches_Sp	0.0	(0.0)
1095 NF_JohnDay_R	0.0	(0.1)
1110 Shitike_H	0.0	(0.1)
1128 Twisp_R_Sp	0.0	(0.1)
1135 U_Yakima_H	0.0	(0.0)
1136 U_Yakima_Sp	0.0	(0.0)
1141 Warm_Springs_H	0.0	(0.1)
1143 Wenatchee_H_sp	0.0	(0.1)
1144 Wenatchee_R_sp	0.0	(0.0)
1120 Spring_Cr_H	4.5	(2.1)
1031 Coos_H	0.0	(0.1)
1032 Coquille_R	0.0	(0.1)
1043 Elk_H	0.0	(0.1)
1089 Millicoma_R	0.0	(0.1)
1101 S_Coos_H	0.0	(0.1)
1102 S_Coos_R	0.0	(0.2)
1104 S_Umpqua_H	2.7	(1.8)
1113 Siuslaw_R	0.0	(0.1)
1114 Sixes_R	0.0	(0.1)
1137 Umpqua_H	0.0	(0.2)
1023 Chetco_R	0.0	(0.0)
1070 Klukshu_R	0.0	(0.0)
1112 Situk_R	0.0	(0.1)
1003 Alsea_R	0.0	(0.1)
1064 Kilchis_R	0.3	(0.9)
1091 Necanicum_H	0.0	(0.1)
1092 Nehalem_R	0.0	(0.1)
1093 Nestucca_H	0.0	(0.1)
1106 Salmon_R_f	0.0	(0.1)
1111 Siletz_R	0.0	(0.1)
1125 Trask_R	0.0	(0.1)
1146 Wilson_R	0.0	(0.1)
1147 Yaquina_R	0.0	(0.1)
1072 L_Sauk_R	0.0	(0.1)
1073 L_Skagit_R_Fa	3.6	(2.7)
1084 Marblemount_H_Sj	2.1	(1.8)
1085 Marblemount_H_su	0.0	(0.3)
1096 NF_Nooksack_H	0.0	(0.1)
1098 NF_Stillaguam_H	0.0	(0.2)
1107 Samish_H	0.0	(0.1)
1115 Skagit_R	0.2	(0.9)
1116 Skykomish_R	0.0	(0.1)
1117 Skykomish_R_Su	0.5	(1.3)
1118 Snoqualmie_R	0.4	(1.3)
1122 Suiattle_R	0.0	(0.1)
1129 U_Cascade_R	0.1	(0.6)
1131 U_Sauk_R	0.0	(0.3)
1132 U_Sauk_R_SpSu	1.8	(2.8)
1133 U_Skagit_R	0.0	(0.2)
1134 U_Skagit_Su	0.0	(0.1)
1140 Wallace_H	0.0	(0.2)
1013 Big_Boulder_Cr	0.0	(0.1)

1123 Tahini_Mach	0.0	(0.1)
1124 Tahini_R	0.0	(0.1)
1066 King_Salmon_R	0.0	(0.1)
1009 Applegate_Cr	0.0	(0.1)
1030 Cole_Rivers_H	0.0	(0.1)
1011 Bear_Cr_SuFa	0.0	(0.1)
1021 Cedar_R_SuFa	0.0	(0.1)
1028 Clear_Cr_H	0.2	(0.8)
1053 Grovers_Cr_H	0.0	(0.1)
1055 Hupp_Sp_H	0.0	(0.1)
1057 Issaquah_Cr_SuFa	0.0	(0.2)
1099 Nisqually_R_SuFa	0.6	(1.6)
1103 S_Prairie_Cr	0.0	(0.1)
1119 Soos_H	0.0	(0.1)
1138 UW_H_SuFa	0.0	(0.1)
1139 Voights_H	0.0	(0.1)
1145 White_H	0.0	(0.1)
1029 ClearwaterRFa	14.3	(7.2)
1083 Lyons_Ferry_H	0.3	(1.6)
1094 Nez_PerceT_H	15.5	(5.9)
1012 Bear_Valley_Cr	0.0	(0.1)
1014 Big_Cr	0.0	(0.1)
1017 Camas_Cr	0.0	(0.0)
1018 Capehorn_Cr	0.0	(0.1)
1020 Catherine_Cr	0.0	(0.0)
1022 Chamberlain_Cr	0.0	(0.1)
1037 Crooked_Fk_Cr	0.0	(0.1)
1040 Dworshak_H	0.0	(0.1)
1042 EF_Salmon_R	0.0	(0.1)
1056 Imnaha_R	0.0	(0.1)
1060 Johnson_Cr	0.0	(0.1)
1061 Johnson_H	0.0	(0.0)
1080 Lochsa_R	0.0	(0.1)
1081 Lolo_Cr	0.0	(0.1)
1082 LookingGlass_H	0.0	(0.1)
1024 Chickam_WhitH	0.0	(0.0)
1025 Chickamin_H	0.0	(0.1)
1026 Chickamin_R	0.0	(0.1)
1027 Clear_Cr	0.0	(0.1)
1036 Cripple_Cr	0.0	(0.1)
1063 Keta_R	0.0	(0.0)
1065 King_Cr	0.0	(0.1)
1005 Andrew_Cr	0.0	(0.1)
1006 Andrew_CryH	0.0	(0.1)
1007 Andrew_Mach	0.0	(0.1)
1008 Andrew_MedH	0.0	(0.0)

2012
 48-136
 troll
 NWVI
 Area126
 February
 105(0)

Code	Region1	Estima	SD
1	UPFR	0.0	(0.3)
2	MUFR	0.9	(0.9)
3	LWFR-F	5.5	(2.5)
4	NOTH	0.0	(0.2)
5	SOTH	0.0	(0.2)
6	LWTH	0.0	(0.2)
7	ECVI	0.8	(1.0)
8	WCVI	0.0	(0.4)
9	SOMN	0.1	(0.4)
10	NOMN	0.4	(0.9)
11	NASS	0.0	(0.3)
12	LWFR-Sp	0.0	(0.1)
13	LWFR-Su	0.0	(0.0)
14	QCI	0.0	(0.1)
19	Skeena Upper	0.0	(0.2)
20	Skeena Babine	0.0	(0.0)
21	Skeena Bulkley	0.0	(0.1)
22	Skeena Mid	0.5	(1.0)
23	Skeena Lower	0.3	(0.9)
1001	California_Coast	0.0	(0.1)
1002	Central_Valley_fa	1.3	(1.8)
1003	Central_Valley_sp	1.5	(1.8)
1004	Central_Valley_wi	0.0	(0.1)
1005	Deschutes_R_fa	11.9	(5.0)
1006	Hood_Canal	3.5	(2.4)
1007	Juan_de_Fuca	0.3	(0.7)
1008	Klamath_R	0.0	(0.1)
1009	L_Columbia_R_fa	14.6	(3.8)
1010	L_Columbia_R_sp	10.9	(3.4)
1011	Mid_and_Upper_Co	0.0	(0.4)
1012	Mid_Columbia_R_t	4.5	(2.1)
1013	Mid_Oregon_Coast	2.7	(1.8)
1014	N_California/S_Ore	0.0	(0.0)
1015	N_Gulf_Coast_Alse	0.0	(0.0)
1016	N_Gulf_Coast_Situ	0.0	(0.1)
1017	N_Oregon_Coast	0.3	(0.9)
1018	N_Puget_Sound	8.8	(3.2)
1019	NSE_Alaska_Chilk	0.0	(0.1)
1020	NSE_Alaska_King	0.0	(0.1)
1021	Rogue_R	0.0	(0.1)
1022	S_Puget_Sound	0.8	(1.8)
1023	Snake_R_fa	30.1	(6.2)
1024	Snake_R_sp/su	0.0	(0.2)
1025	SSE_Alaska	0.0	(0.2)
1026	SSE_Alaska_Stikin	0.0	(0.1)

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Fish	Comment	Stock 1	Region	Prob 1	Stock 2	Region	Prob 2	Stock 3	Region	Prob 3	Stock 4	Region	Prob 4	Stock 5	Region	Prob 5
48-136	NWVI	2012 troll	February-May													
Area126(12)	troll 100 69	Feather_H_fa	1002	0.51	Feather_H_sp	1003	0.49	Mill_Cr_sp	1003	0.00	Stanislaus_R	1002	0.00			
Area126(12)	troll 101 70	Lewis_R_f	1009	0.54	Abernathy_NFH_Fc	1009	0.26	Kilchis_R	1017	0.15	Spring_Cr_H	1012	0.01	S_Umpqua_H	1013	0.01
Area126(12)	troll 102 71	L_Deschutes_R	1005	1.00	Nez_PerceT_H	1023	0.00	ClearwaterRfFa	1023	0.00	Lyons_Ferry_H	1023	0.00			
Area126(12)	troll 103 72	NF_Skokomish_R_	1006	0.47	George_Adams_H	1006	0.28	Nisqually_R_SuFa	1022	0.09	L_Skagit_R_Fa	1018	0.08	SF_Skokomish_R_	1006	0.04
Area126(12)	troll 104 73	Lewis_R_f	1009	0.84	Green_R_Fa	1009	0.08	Kalama_H_sp	1010	0.02	Abernathy_Cr_Fa	1009	0.01	Klickitat_R_sp	1011	0.01
Area126(12)	troll 105 74	Nez_PerceT_H	1023	0.71	ClearwaterRfFa	1023	0.26	Lyons_Ferry_H	1023	0.02	L_Deschutes_R	1005	0.01	S_Umpqua_H	1013	0.00
Area126(12)	troll 106 75	NF_Skokomish_R_	1006	0.47	George_Adams_H	1006	0.20	Nisqually_R_SuFa	1022	0.18	SF_Skokomish_R_	1006	0.07	Clear_Cr_H	1022	0.07
Area126(12)	troll 107 76	Lewis_R_f	1009	1.00	Cowlitz_H_fa	1009	0.00	Abernathy_NFH_Fc	1009	0.00	Green_R_Fa	1009	0.00	Lewis_R_Su	1009	0.00
Area126(12)	troll 108 77	Marblemount_H_Sl	1018	0.78	U_Sauk_R_SpSu	1018	0.19	U_Sauk_R	1018	0.02	L_Skagit_R_Fa	1018	0.01	Harrison	3	0.00
Area126(12)	troll 109 78	U_Sauk_R_SpSu	1018	0.33	George_Adams_H	1006	0.22	NF_Skokomish_R_	1006	0.22	Skykomish_R_Su	1018	0.08	Snoqualmie_R	1018	0.04
Area126(12)	troll 110 79	Kalama_H_sp	1010	0.97	S_Umpqua_H	1013	0.03	Klickitat_R_sp	1011	0.00	L_Skagit_R_Fa	1018	0.00	L_Deschutes_R	1005	0.00
Area126(12)	troll 111 80	Spring_Cr_H	1012	0.69	Abernathy_NFH_Fc	1009	0.30	Cowlitz_H_fa	1009	0.00	Lewis_R_f	1009	0.00	Elochoman_R_Fa	1009	0.00
Area126(12)	troll 112 81	Spring_Cr_H	1012	0.95	Lewis_R_f	1009	0.03	Abernathy_NFH_Fc	1009	0.01	Washougal_R_Fa	1009	0.00	L_Deschutes_R	1005	0.00
Area126(12)	troll 113 82	Kalama_H_sp	1010	0.99	ClearwaterRfFa	1023	0.00	L_Deschutes_R	1005	0.00	Sandy_R	1009	0.00	Umpqua_H	1013	0.00
Area126(12)	troll 114 83	Nez_PerceT_H	1023	0.55	ClearwaterRfFa	1023	0.26	L_Deschutes_R	1005	0.12	Green_R_Fa	1009	0.05	Lewis_R_f	1009	0.02
Area126(12)	troll 115 84	Abernathy_NFH_Fc	1009	0.99	Spring_Cr_H	1012	0.01	Abernathy_Cr_Fa	1009	0.00	Green_R_Fa	1009	0.00			
Area126(12)	troll 116 85	Kalama_H_sp	1010	0.97	Nez_PerceT_H	1023	0.01	Lyons_Ferry_H	1023	0.01	ClearwaterRfFa	1023	0.01	Lewis_R_f	1009	0.00
Area126(12)	troll 117 86	Nez_PerceT_H	1023	0.51	ClearwaterRfFa	1023	0.23	Kalama_H_sp	1010	0.14	L_Deschutes_R	1005	0.03	S_Umpqua_H	1013	0.03
Area126(12)	troll 118 87	ClearwaterRfFa	1023	0.46	L_Deschutes_R	1005	0.41	Nez_PerceT_H	1023	0.12	Sandy_R	1009	0.00	Lyons_Ferry_H	1023	0.00
Area126(12)	troll 119 88	S_Umpqua_H	1013	0.33	Feather_H_fa	1002	0.25	L_Deschutes_R	1005	0.17	Lewis_R_f	1009	0.09	Feather_H_sp	1003	0.09
Area126(12)	troll 120 89	Lewis_R_f	1009	0.72	Abernathy_NFH_Fc	1009	0.23	Spring_Cr_H	1012	0.04	Coweeman_R_Fa	1009	0.01	Green_R_Fa	1009	0.00
Area126(12)	troll 121 90	ClearwaterRfFa	1023	0.51	L_Deschutes_R	1005	0.40	Nez_PerceT_H	1023	0.08	Lyons_Ferry_H	1023	0.01			
Area126(12)	troll 122 91	Kalama_H_sp	1010	0.91	Lewis_R_f	1009	0.04	Spring_Cr_H	1012	0.01	Abernathy_NFH_Fc	1009	0.01	ClearwaterRfFa	1023	0.01
Area126(12)	troll 123 92	Spring_Cr_H	1012	1.00												
Area126(12)	troll 124 93	Kalama_H_sp	1010	0.87	Lewis_R_f	1009	0.13	Cowlitz_H_sp	1010	0.00	Lewis_H_sp	1010	0.00	Green_R_Fa	1009	0.00
Area126(12)	troll 125 94	ClearwaterRfFa	1023	0.40	Abernathy_NFH_Fc	1009	0.24	L_Deschutes_R	1005	0.10	Lewis_R_f	1009	0.09	Kalama_H_sp	1010	0.07
Area126(12)	troll 126 95	Kalama_H_sp	1010	0.95	Lewis_R_f	1009	0.02	ClearwaterRfFa	1023	0.01	Lewis_R_Su	1009	0.01	Green_R_Fa	1009	0.00
Area126(12)	troll 127 96	Kalama_H_sp	1010	0.59	Lewis_R_f	1009	0.32	Abernathy_NFH_Fc	1009	0.04	Lewis_R_Su	1009	0.02	Abernathy_Cr_Fa	1009	0.02
Area126(12)	troll 128 97	Abernathy_NFH_Fc	1009	0.78	Spring_Cr_H	1012	0.10	Green_R_Fa	1009	0.05	Kalama_H_sp	1010	0.02	Lewis_R_f	1009	0.02
Area126(12)	troll 129 98	Kalama_H_sp	1010	0.95	Lewis_R_f	1009	0.02	L_Deschutes_R	1005	0.02	ClearwaterRfFa	1023	0.01	Sandy_R	1009	0.00
Area126(12)	troll 130 99	Lewis_R_f	1009	0.74	Kalama_H_sp	1010	0.10	Nez_PerceT_H	1023	0.09	ClearwaterRfFa	1023	0.04	S_Umpqua_H	1013	0.01
Area126(12)	troll 131 100	Marblemount_H_Sl	1018	0.84	Skagit_R	1018	0.07	U_Cascade_R	1018	0.05	U_Sauk_R_SpSu	1018	0.01	Wallace_H	1018	0.01
Area126(12)	troll 132 101	ClearwaterRfFa	1023	0.96	Lewis_R_f	1009	0.03	Nez_PerceT_H	1023	0.00	Cole_Rivers_H	1021	0.00	Green_R_Fa	1009	0.00
Area126(12)	troll 133 102	L_Skagit_R_Fa	1018	0.87	Nisqually_R_SuFa	1022	0.09	NF_Skokomish_R_	1006	0.02	Snoqualmie_R	1018	0.01	U_Sauk_R_SpSu	1018	0.00
Area126(12)	troll 134 103	Kalama_H_sp	1010	0.35	L_Deschutes_R	1005	0.31	ClearwaterRfFa	1023	0.19	Nez_PerceT_H	1023	0.09	Lyons_Ferry_H	1023	0.05
Area126(12)	troll 135 104	ClearwaterRfFa	1023	0.53	Nez_PerceT_H	1023	0.46	Lyons_Ferry_H	1023	0.00	Feather_H_sp	1003	0.00	L_Deschutes_R	1005	0.00
Area126(12)	troll 136 105	ClearwaterRfFa	1023	0.66	L_Deschutes_R	1005	0.20	Nez_PerceT_H	1023	0.14	U_Deschutes_R	1005	0.00			
Area126(12)	troll 48 1	Nez_PerceT_H	1023	0.62	ClearwaterRfFa	1023	0.12	Marblemount_H_Sl	1018	0.12	L_Deschutes_R	1005	0.08	U_Cascade_R	1018	0.01
Area126(12)	troll 48 10	Nez_PerceT_H	1023	0.73	ClearwaterRfFa	1023	0.24	L_Deschutes_R	1005	0.02	Lyons_Ferry_H	1023	0.01	Feather_H_sp	1003	0.00
Area126(12)	troll 48 11	Nez_PerceT_H	1023	0.75	L_Deschutes_R	1005	0.24	ClearwaterRfFa	1023	0.01	Lyons_Ferry_H	1023	0.00			
Area126(12)	troll 48 12	Lewis_R_f	1009	0.74	Kalama_H_sp	1010	0.24	Lewis_R_Su	1009	0.01	Cowlitz_H_fa	1009	0.00	Green_R_Fa	1009	0.00
Area126(12)	troll 48 13	L_Deschutes_R	1005	0.96	S_Umpqua_H	1013	0.04	Elochoman_R_Fa	1009	0.00	Lewis_R_f	1009	0.00	Lewis_R_Su	1009	0.00
Area126(12)	troll 48 14	ClearwaterRfFa	1023	0.58	Nez_PerceT_H	1023	0.25	L_Deschutes_R	1005	0.17	Lyons_Ferry_H	1023	0.01			
Area126(12)	troll 48 15	ClearwaterRfFa	1023	0.75	Nez_PerceT_H	1023	0.12	L_Deschutes_R	1005	0.11	Lyons_Ferry_H	1023	0.02			
Area126(12)	troll 48 16	Lewis_R_f	1009	0.99	Dean	10	0.00	Sandy_R	1009	0.00	Green_R_Fa	1009	0.00	Washougal_R_Fa	1009	0.00
Area126(12)	troll 48 17	Harrison	3	0.88	W_Chilliwack	3	0.12	Chilliwac@Stav	3	0.00	Kilbella	10	0.00	Kispiox	22	0.00
Area126(12)	troll 48 2	L_Deschutes_R	1005	0.44	ClearwaterRfFa	1023	0.35	Nez_PerceT_H	1023	0.14	Feather_H_sp	1003	0.02	Feather_H_fa	1002	0.01
Area126(12)	troll 48 3	Chilko	2	0.83	Stuart	2	0.09	L_Chilcoti	2	0.02	Skeena@Terrace	22	0.01	Nechako	2	0.01
Area126(12)	troll 48 4	Harrison	3	0.54	W_Chilliwack	3	0.46	Chilliwac@Stav	3	0.00	L_Deschutes_R	1005	0.00	L_Skagit_R_Fa	1018	0.00
Area126(12)	troll 48 5	ClearwaterRfFa	1023	0.59	Nez_PerceT_H	1023	0.24	L_Deschutes_R	1005	0.14	Lyons_Ferry_H	1023	0.02	Kalama_H_sp	1010	0.00
Area126(12)	troll 48 6	Lewis_R_f	1009	0.93	ClearwaterRfFa	1023	0.03	L_Deschutes_R	1005	0.02	Kalama_H_sp	1010	0.01	Lewis_R_Su	1009	0.01
Area126(12)	troll 48 7	Kitimat	10	0.20	L_Kalum	23	0.20	Skeena@Terrace	22	0.14	Harrison	3	0.14	Dean	10	0.11
Area126(12)	troll 48 8	ClearwaterRfFa	1023	0.54	L_Deschutes_R	1005	0.32	Nez_PerceT_H	1023	0.09	Kalama_H_sp	1010	0.05	Abernathy_NFH_Fc	1009	0.01
Area126(12)	troll 48 9	L_Deschutes_R	1005	0.62	ClearwaterRfFa	1023	0.38	Klickitat_R_sp	1011	0.00	Lyons_Ferry_H	1023	0.00			
Area126(12)	troll 49 18	Nez_PerceT_H	1023	0.58	ClearwaterRfFa	1023	0.41	Lyons_Ferry_H	1023	0.01	L_Deschutes_R	1005	0.00			
Area126(12)	troll 50 19	Spring_Cr_H	1012	0.93	Abernathy_NFH_Fc	1009	0.07	Kalama_H_sp	1010	0.00						
Area126(12)	troll 51 20	Lewis_R_f	1009	1.00	L_Deschutes_R	1005	0.00	Lewis_R_Su	1009	0.00	Sandy_R	1009	0.00			
Area126(12)	troll 52 21	Nez_PerceT_H	1023	0.39	ClearwaterRfFa	1023	0.23	L_Deschutes_R	1005	0.15	Abernathy_NFH_Fc	1009	0.07	Kalama_H_sp	1010	0.05
Area126(12)	troll 53 22	S_Umpqua_H	1013	0.99	S_Coos_R	1013	0.01	L_Skagit_R_Fa	1018	0.00	Phillips	9	0.00	ClearwaterRfFa	1023	0.00
Area126(12)	troll 54 23	Nez_PerceT_H	1023	0.94	ClearwaterRfFa	1023	0.06	Lewis_R_f	1009	0.00	L_Deschutes_R	1005	0.00			
Area126(12)	troll 55 24	L_Deschutes_R	1005	0.53	ClearwaterRfFa	1023	0.47	Lyons_Ferry_H	1023	0.00	Nez_PerceT_H	1023	0.00	Skykomish_R_Su	1018	0.00
Area126(12)	troll 56 25	Nez_PerceT_H	1023	0.73	ClearwaterRfFa	1023	0.26	L_Deschutes_R	1005	0.01	Lyons_Ferry_H	1023	0.00	Dean	10	0.00

Area126(12)	troll 57	26	Nez_PerceT_H	1023	0.62	ClearwaterRFa	1023	0.19	Lewis_R_f	1009	0.17	Kalama_H_sp	1010	0.01	Lyons_Ferry_H	1023	0.00
Area126(12)	troll 58	27	Feather_H_sp	1003	0.42	Nez_PerceT_H	1023	0.26	Feather_H_fa	1002	0.15	Kalama_H_sp	1010	0.08	ClearwaterRFa	1023	0.04
Area126(12)	troll 59	28	S_Umpqua_H	1013	0.99	Kilchis_R	1017	0.00	Lewis_R_f	1009	0.00	Alea_R	1017	0.00	ClearwaterRFa	1023	0.00
Area126(12)	troll 60	29	L_Skagit_R_Fa	1018	0.66	U_Sauk_R_SpSu	1018	0.19	Skykomish_R_Su	1018	0.05	ClearwaterRFa	1023	0.05	Green_R_Fa	1009	0.02
Area126(12)	troll 61	30	Lewis_R_f	1009	0.93	Kalama_H_sp	1010	0.02	Green_R_Fa	1009	0.02	Nez_PerceT_H	1023	0.01	Sandy_R	1009	0.01
Area126(12)	troll 62	31	L_Deschutes_R	1005	0.92	ClearwaterRFa	1023	0.03	L_Skagit_R_Fa	1018	0.03	Lyons_Ferry_H	1023	0.02	Nez_PerceT_H	1023	0.00
Area126(12)	troll 63	32	L_Skagit_R_Fa	1018	0.46	U_Sauk_R_SpSu	1018	0.25	Harrison	3	0.15	U_Cascade_R	1018	0.04	L_Deschutes_R	1005	0.04
Area126(12)	troll 64	33	NF_Skokomish_R_	1006	0.51	George_Adams_H	1006	0.27	Nisqually_R_SuFa	1022	0.08	Snoqualmie_R	1018	0.06	SF_Skokomish_R_	1006	0.03
Area126(12)	troll 65	34	L_Deschutes_R	1005	1.00	Nez_PerceT_H	1023	0.00									
Area126(12)	troll 66	35	L_Skagit_R_Fa	1018	0.41	U_Sauk_R_SpSu	1018	0.36	Marblemount_H_Sr	1018	0.23	Skykomish_R_Su	1018	0.00	NF_Stillaguam_H	1018	0.00
Area126(12)	troll 67	36	L_Deschutes_R	1005	0.95	S_Umpqua_H	1013	0.04	Elochoman_R_Fa	1009	0.00	Lewis_R_f	1009	0.00	Sandy_R	1009	0.00
Area126(12)	troll 68	37	Lewis_R_f	1009	0.87	Abernathy_NFH_Fr	1009	0.06	Kalama_H_sp	1010	0.02	Abernathy_Cr_Fa	1009	0.01	ClearwaterRFa	1023	0.01
Area126(12)	troll 69	38	Nez_PerceT_H	1023	0.85	ClearwaterRFa	1023	0.14	L_Deschutes_R	1005	0.00	Lyons_Ferry_H	1023	0.00	Lewis_R_f	1009	0.00
Area126(12)	troll 70	39	Kalama_H_sp	1010	0.99	Lewis_R_f	1009	0.01	Lewis_H_sp	1010	0.00						
Area126(12)	troll 71	40	Abernathy_NFH_Fr	1009	0.99	Nez_PerceT_H	1023	0.00	Abernathy_Cr_Fa	1009	0.00	Spring_Cr_H	1012	0.00	Kalama_H_sp	1010	0.00
Area126(12)	troll 72	41	ClearwaterRFa	1023	0.46	L_Deschutes_R	1005	0.22	Nez_PerceT_H	1023	0.11	L_Skagit_R_Fa	1018	0.06	Snoqualmie_R	1018	0.05
Area126(12)	troll 73	42	Nez_PerceT_H	1023	0.74	ClearwaterRFa	1023	0.14	L_Deschutes_R	1005	0.12	Lyons_Ferry_H	1023	0.00	Snoqualmie_R	1018	0.00
Area126(12)	troll 74	43	ClearwaterRFa	1023	0.44	L_Deschutes_R	1005	0.39	Lewis_R_f	1009	0.09	Nez_PerceT_H	1023	0.07	Lyons_Ferry_H	1023	0.00
Area126(12)	troll 75	44	ClearwaterRFa	1023	0.41	S_Umpqua_H	1013	0.23	Kilchis_R	1017	0.12	Lewis_R_f	1009	0.07	Kalama_H_sp	1010	0.05
Area126(12)	troll 76	45	ClearwaterRFa	1023	0.48	Nez_PerceT_H	1023	0.39	L_Deschutes_R	1005	0.09	Lyons_Ferry_H	1023	0.02	Lewis_R_f	1009	0.00
Area126(12)	troll 77	46	Nez_PerceT_H	1023	0.80	ClearwaterRFa	1023	0.11	L_Deschutes_R	1005	0.05	S_Umpqua_H	1013	0.01	Harrison	3	0.01
Area126(12)	troll 78	47	Nez_PerceT_H	1023	0.90	ClearwaterRFa	1023	0.08	Lyons_Ferry_H	1023	0.01	Harrison	3	0.00	L_Deschutes_R	1005	0.00
Area126(12)	troll 79	48	L_Deschutes_R	1005	0.64	ClearwaterRFa	1023	0.29	Nez_PerceT_H	1023	0.05	Lyons_Ferry_H	1023	0.01	Skagit_R	1018	0.01
Area126(12)	troll 80	49	L_Skagit_R_Fa	1018	0.77	U_Sauk_R_SpSu	1018	0.15	Skagit_R	1018	0.04	Snoqualmie_R	1018	0.01	Nisqually_R_SuFa	1022	0.01
Area126(12)	troll 81	50	Nez_PerceT_H	1023	0.91	L_Deschutes_R	1005	0.04	Lyons_Ferry_H	1023	0.02	ClearwaterRFa	1023	0.02			
Area126(12)	troll 82	51	Feather_H_sp	1003	0.58	Feather_H_fa	1002	0.42	Lewis_R_f	1009	0.00						
Area126(12)	troll 83	52	Nez_PerceT_H	1023	0.72	ClearwaterRFa	1023	0.27	L_Deschutes_R	1005	0.00	Lyons_Ferry_H	1023	0.00			
Area126(12)	troll 84	53	Harrison	3	0.52	W_Chilliwack	3	0.48	Chilliwac@Stav	3	0.01	Ishkheenickh	11	0.00	L_Kalum	23	0.00
Area126(12)	troll 85	54	ClearwaterRFa	1023	0.58	L_Deschutes_R	1005	0.26	Nez_PerceT_H	1023	0.08	Kalama_H_sp	1010	0.04	Lewis_R_f	1009	0.03
Area126(12)	troll 86	55	Harrison	3	0.72	Skykomish_R_Su	1018	0.17	Capilano	9	0.02	NF_Skokomish_R_	1006	0.02	W_Chilliwack	3	0.01
Area126(12)	troll 87	56	Puntled_SU	7	0.35	Puntledge_F	7	0.34	L_Qualicum	9	0.12	L_Skagit_R_Fa	1018	0.09	Cowichan	7	0.04
Area126(12)	troll 88	57	Kalama_H_sp	1010	0.92	S_Umpqua_H	1013	0.03	L_Deschutes_R	1005	0.02	ClearwaterRFa	1023	0.01	Snoqualmie_R	1018	0.01
Area126(12)	troll 89	58	Nez_PerceT_H	1023	0.94	ClearwaterRFa	1023	0.06	Lewis_R_f	1009	0.00	L_Deschutes_R	1005	0.00			
Area126(12)	troll 90	59	ClearwaterRFa	1023	0.92	Nez_PerceT_H	1023	0.06	L_Deschutes_R	1005	0.02	Lyons_Ferry_H	1023	0.00	Skagit_R	1018	0.00
Area126(12)	troll 91	60	L_Deschutes_R	1005	0.83	ClearwaterRFa	1023	0.13	Nez_PerceT_H	1023	0.04	Lyons_Ferry_H	1023	0.00			
Area126(12)	troll 92	61	ClearwaterRFa	1023	0.48	Nez_PerceT_H	1023	0.27	L_Deschutes_R	1005	0.25	Lyons_Ferry_H	1023	0.00	Lewis_R_f	1009	0.00
Area126(12)	troll 93	62	Harrison	3	0.51	L_Skagit_R_Fa	1018	0.32	Snoqualmie_R	1018	0.07	Nisqually_R_SuFa	1022	0.03	U_Sauk_R_SpSu	1018	0.01
Area126(12)	troll 94	63	Skeena@Terrace	22	0.36	Harrison	3	0.20	Marblemount_H_Sr	1018	0.18	Skagit_R	1018	0.06	W_Chilliwack	3	0.04
Area126(12)	troll 95	64	Spring_Cr_H	1012	0.99	Abernathy_NFH_Fr	1009	0.01	Sandy_R	1009	0.00						
Area126(12)	troll 96	65	NF_Skokomish_R_	1006	0.46	George_Adams_H	1006	0.26	Nisqually_R_SuFa	1022	0.15	Clear_Cr_H	1022	0.06	SF_Skokomish_R_	1006	0.05
Area126(12)	troll 97	66	U_Sauk_R_SpSu	1018	0.36	Elwha_R	1007	0.25	Skykomish_R_Su	1018	0.13	Snoqualmie_R	1018	0.13	Elwha_H	1007	0.07
Area126(12)	troll 98	67	Harrison	3	0.75	W_Chilliwack	3	0.13	Dean	10	0.04	L_Kalum	23	0.03	S_Umpqua_H	1013	0.02
Area126(12)	troll 99	68	Kalama_H_sp	1010	0.99	ClearwaterRFa	1023	0.01	Nez_PerceT_H	1023	0.00	L_Deschutes_R	1005	0.00			

Species = chinook Number of populations = 282 Baseline Description = CTC Number of loci = 13 Max missing loci = 5
 Number of chains = 10 Number of Reps = 10000 Reps Kept = 1000

Fish	Comment	Region 1	Prob 1	Region 2	Prob 2	Region 3	Prob 3	Region 4	Prob 4	Region 5	Prob 5
48-136	NWVI	2012 troll		February-May							
Area126(12)	troll 100 69	1002	0.51	1003	0.49						
Area126(12)	troll 101 70	1009	0.80	1017	0.15	1012	0.01	1013	0.01		
Area126(12)	troll 102 71	1005	1.00	1023	0.00						
Area126(12)	troll 103 72	1006	0.79	1022	0.09	1018	0.08				
Area126(12)	troll 104 73	1009	0.93	1010	0.02	1011	0.01				
Area126(12)	troll 105 74	1023	0.98	1005	0.01	1013	0.00				
Area126(12)	troll 106 75	1006	0.75	1022	0.25						
Area126(12)	troll 107 76	1009	1.00								
Area126(12)	troll 108 77	1018	1.00	3	0.00						
Area126(12)	troll 109 78	1018	0.45	1006	0.44						
Area126(12)	troll 110 79	1010	0.97	1013	0.03	1011	0.00	1018	0.00	1005	0.00
Area126(12)	troll 111 80	1012	0.69	1009	0.31						
Area126(12)	troll 112 81	1012	0.95	1009	0.05	1005	0.00				
Area126(12)	troll 113 82	1010	0.99	1023	0.00	1005	0.00	1009	0.00	1013	0.00
Area126(12)	troll 114 83	1023	0.81	1005	0.12	1009	0.06				
Area126(12)	troll 115 84	1009	0.99	1012	0.01						
Area126(12)	troll 116 85	1010	0.97	1023	0.03	1009	0.00				
Area126(12)	troll 117 86	1023	0.74	1010	0.14	1005	0.03	1013	0.03		
Area126(12)	troll 118 87	1023	0.58	1005	0.41	1009	0.00				
Area126(12)	troll 119 88	1013	0.33	1002	0.25	1005	0.17	1009	0.09	1003	0.09
Area126(12)	troll 120 89	1009	0.96	1012	0.04						
Area126(12)	troll 121 90	1023	0.60	1005	0.40						
Area126(12)	troll 122 91	1010	0.91	1009	0.05	1012	0.01	1023	0.01		
Area126(12)	troll 123 92	1012	1.00								
Area126(12)	troll 124 93	1010	0.87	1009	0.13						
Area126(12)	troll 125 94	1023	0.40	1009	0.33	1005	0.10	1010	0.07		
Area126(12)	troll 126 95	1010	0.95	1009	0.03	1023	0.01				
Area126(12)	troll 127 96	1010	0.59	1009	0.40						
Area126(12)	troll 128 97	1009	0.85	1012	0.10	1010	0.02				
Area126(12)	troll 129 98	1010	0.95	1009	0.02	1005	0.02	1023	0.01		
Area126(12)	troll 130 99	1009	0.74	1023	0.14	1010	0.10	1013	0.01		
Area126(12)	troll 131 100	1018	0.99								
Area126(12)	troll 132 101	1023	0.96	1009	0.03	1021	0.00				
Area126(12)	troll 133 102	1018	0.88	1022	0.09	1006	0.02				
Area126(12)	troll 134 103	1010	0.35	1023	0.33	1005	0.31				
Area126(12)	troll 135 104	1023	1.00	1003	0.00	1005	0.00				
Area126(12)	troll 136 105	1023	0.80	1005	0.20						
Area126(12)	troll 48 1	1023	0.74	1018	0.14	1005	0.08				
Area126(12)	troll 48 10	1023	0.98	1005	0.02	1003	0.00				
Area126(12)	troll 48 11	1023	0.76	1005	0.24						
Area126(12)	troll 48 12	1009	0.76	1010	0.24						
Area126(12)	troll 48 13	Dupe with 36	1005	0.96	1013	0.04	1009	0.00			

Area126(12)	troll 48	14	1023	0.83	1005	0.17						
Area126(12)	troll 48	15	1023	0.89	1005	0.11						
Area126(12)	troll 48	16	1009	1.00	10	0.00						
Area126(12)	troll 48	17	3	1.00	10	0.00	22	0.00				
Area126(12)	troll 48	2	1023	0.49	1005	0.44	1003	0.02	1002	0.01		
Area126(12)	troll 48	3	2	0.95	22	0.01						
Area126(12)	troll 48	4	3	1.00	1005	0.00	1018	0.00				
Area126(12)	troll 48	5	1023	0.85	1005	0.14	1010	0.00				
Area126(12)	troll 48	6	1009	0.93	1023	0.03	1005	0.02	1010	0.01		
Area126(12)	troll 48	7	10	0.31	23	0.20	22	0.14	3	0.14		
Area126(12)	troll 48	8	1023	0.63	1005	0.32	1010	0.05	1009	0.01		
Area126(12)	troll 48	9	1005	0.62	1023	0.38	1011	0.00				
Area126(12)	troll 49	18	1023	1.00	1005	0.00						
Area126(12)	troll 50	19	1012	0.93	1009	0.07	1010	0.00				
Area126(12)	troll 51	20	1009	1.00	1005	0.00						
Area126(12)	troll 52	21	1023	0.62	1005	0.15	1009	0.07	1010	0.05		
Area126(12)	troll 53	22	1013	0.99	1018	0.00	9	0.00	1023	0.00		
Area126(12)	troll 54	23	1023	1.00	1005	0.00	1009	0.00				
Area126(12)	troll 55	24	1005	0.53	1023	0.47	1018	0.00				
Area126(12)	troll 56	25	1023	0.99	1005	0.01	10	0.00				
Area126(12)	troll 57	26	1023	0.81	1009	0.17	1010	0.01				
Area126(12)	troll 58	27	1003	0.42	1023	0.30	1002	0.15	1010	0.08		
Area126(12)	troll 59	28	1013	0.99	1017	0.00	1009	0.00	1023	0.00		
Area126(12)	troll 60	29	1018	0.90	1023	0.05	1009	0.02				
Area126(12)	troll 61	30	1009	0.96	1010	0.02	1023	0.01				
Area126(12)	troll 62	31	1005	0.92	1023	0.06	1018	0.03				
Area126(12)	troll 63	32	1018	0.75	3	0.15	1005	0.04				
Area126(12)	troll 64	33	1006	0.80	1022	0.08	1018	0.06				
Area126(12)	troll 65	34	1005	1.00	1023	0.00						
Area126(12)	troll 66	35	1018	1.00								
Area126(12)	troll 67	36	1005	0.95	1013	0.04	1009	0.00				
Area126(12)	troll 68	37	1009	0.94	1010	0.02	1023	0.01				
Area126(12)	troll 69	38	1023	1.00	1005	0.00	1009	0.00				
Area126(12)	troll 70	39	1010	0.99	1009	0.01						
Area126(12)	troll 71	40	1009	1.00	1023	0.00	1012	0.00	1010	0.00		
Area126(12)	troll 72	41	1023	0.57	1005	0.22	1018	0.11				
Area126(12)	troll 73	42	1023	0.88	1005	0.12	1018	0.00				
Area126(12)	troll 74	43	1023	0.51	1005	0.39	1009	0.09				
Area126(12)	troll 75	44	1023	0.41	1013	0.23	1017	0.12	1009	0.07	1010	0.05
Area126(12)	troll 76	45	1023	0.90	1005	0.09	1009	0.00				
Area126(12)	troll 77	46	1023	0.91	1005	0.05	1013	0.01	3	0.01		
Area126(12)	troll 78	47	1023	1.00	3	0.00	1005	0.00				
Area126(12)	troll 79	48	1005	0.64	1023	0.35	1018	0.01				
Area126(12)	troll 80	49	1018	0.98	1022	0.01						
Area126(12)	troll 81	50	1023	0.96	1005	0.04						
Area126(12)	troll 82	51	1003	0.58	1002	0.42	1009	0.00				
Area126(12)	troll 83	52	1023	1.00	1005	0.00						

Area126(12)	troll 84	53		3	1.00	11	0.00	23	0.00				
Area126(12)	troll 85	54		1023	0.66	1005	0.26	1010	0.04	1009	0.03		
Area126(12)	troll 86	55		3	0.73	1018	0.17	9	0.02	1006	0.02		
Area126(12)	troll 87	56		7	0.84	1018	0.09						
Area126(12)	troll 88	57		1010	0.92	1013	0.03	1005	0.02	1023	0.01	1018	0.01
Area126(12)	troll 89	58	Dupe with 23	1023	1.00	1009	0.00	1005	0.00				
Area126(12)	troll 90	59		1023	0.98	1005	0.02	1018	0.00				
Area126(12)	troll 91	60		1005	0.83	1023	0.17						
Area126(12)	troll 92	61		1023	0.75	1005	0.25	1009	0.00				
Area126(12)	troll 93	62		3	0.51	1018	0.40	1022	0.03				
Area126(12)	troll 94	63		22	0.36	1018	0.24	3	0.24				
Area126(12)	troll 95	64		1012	0.99	1009	0.01						
Area126(12)	troll 96	65		1006	0.77	1022	0.21						
Area126(12)	troll 97	66		1018	0.62	1007	0.33						
Area126(12)	troll 98	67		3	0.88	10	0.04	23	0.03	1013	0.02		
Area126(12)	troll 99	68		1010	0.99	1023	0.01	1005	0.00				

Species = chinook Number of populations = 282 Baseline Description = CTC Number of loci = 13 Max missing loci = 5
 Number of chains = 10 Number of Reps = 10000 Reps Kept = 1000

2012
 48-136
 troll
 NWVI
 Area126
 February
 105(0)

Bowron	1.15	1.16
Goat	1.04	1.04
Holmes	1.03	1.03
Kenneth_Cr	1.06	1.06
Morkill	1.04	1.04
R_Chehalis	1.03	1.03
Slim	1.04	1.04
Swift	1.08	1.08
Tete_Jaune	1.18	1.21
Torpy	1.14	1.15
Willow	1.16	1.29
Baker_Cr	1.04	1.05
Bridge	1.08	1.08
Chilako	1.13	1.13
Chilko	1.02	1.03
Cottonwood	1.08	1.09
Elkin	1.08	1.09
Kuzkwa_Cr	1.12	1.15
L_Cariboo	1.14	1.14
L_Chilcoti	1.13	1.20
Nazko	1.02	1.02
Nechako	1.15	1.20
Portage	1.04	1.04
Quesnel	1.06	1.06
Stuart	1.14	1.30
Taseko	1.08	1.09
U_Cariboo	1.04	1.04
U_Chilcotin	1.08	1.08
Westroad	1.04	1.04
Chilliwac@Stav	1.23	1.44
Harrison	1.09	1.19
Sweltzer_Cr	1.01	1.01
W_Chilliwack	1.08	1.17
Blue	1.09	1.09
Clearwater	1.14	1.14
Finn	1.03	1.03
Lemieux_Cr	1.07	1.07
Raft	1.02	1.02
Bessette	1.10	1.11
Duteau_Cr	1.02	1.02
Eagle	1.02	1.02
L_Adams	1.07	1.07
L_Thompson	1.19	1.26
M_Shuswap	1.01	1.01
Salmon@SA	1.03	1.03
Bonaparte	1.03	1.03
Deadman	1.05	1.05
Louis	1.02	1.02
Nicola	1.07	1.08
U_Coldwat_SP	1.13	1.18
Big_Qualicum	1.04	1.04

Chemainus	1.03	1.03
Cowichan	1.15	1.28
L_Qualicum	1.09	1.17
Nanaimo_F	1.05	1.05
Nanaimo_SP	1.07	1.07
Nanaimo_SU	1.02	1.03
NanaimoUpper	1.03	1.03
Nimpkish	1.03	1.03
Puntled_SU	1.10	1.21
Puntledge_F	1.05	1.11
Quinsam	1.06	1.06
Woss_Lake	1.10	1.10
8702Gold	1.16	1.28
Burman	1.04	1.04
Conuma	1.04	1.04
Kennedy	1.02	1.02
Marble@NVI	1.06	1.06
Megin	1.04	1.04
Nahmint	1.04	1.04
Nitinat	1.04	1.04
Robertson	1.02	1.02
San_Juan	1.03	1.03
Sarita	1.05	1.05
Sooke	1.08	1.08
Tahsis	1.04	1.04
Thornton	1.04	1.04
Tlupana	1.04	1.04
Toquart	1.03	1.03
Tranquil	1.08	1.08
Zeballos	1.05	1.05
Capilano	1.43	3.86
Cheakamus	1.05	1.05
Cheakamus_F	1.03	1.03
Devereux	1.09	1.09
Klinaklini	1.08	1.08
Phillips	1.07	1.08
Porteau_Cove	1.08	1.08
Ashlulm	1.05	1.06
Atnarko	1.04	1.04
Chuckwalla	1.06	1.07
Dean	1.14	1.28
Dean@Main	1.06	1.07
Docee	1.06	1.06
Kateen	1.03	1.03
Kilbella	1.09	1.13
Kildala	1.07	1.07
Kitimat	1.05	1.09
Kitlope	1.06	1.07
Takia	1.05	1.05
U_Dean	1.04	1.05
Wannock	1.01	1.01
Cranberry	1.05	1.05
Damdochax	1.03	1.03
Ishkheenickh	1.09	1.12
Kincolith	1.07	1.08
Kiteen	1.06	1.06
Kwinageese	1.04	1.04
Meziadin	1.03	1.03
Owegee	1.03	1.03
Teigen	1.02	1.02
Tseax	1.03	1.03
Big_Silver	1.05	1.05

Birkenhead	1.03	1.03
BlueCr_UpPitt	1.05	1.05
Sloquet_Cr	1.04	1.04
Upper_Pitt	1.04	1.04
Maria_Slough	1.06	1.06
Yakoun	1.04	1.05
Bear	1.20	1.27
Kluayaz_Cr	1.04	1.04
Skeena@Kluakaz	1.12	1.13
Slamgeesh	1.03	1.03
Sustut	1.10	1.10
Babine	1.02	1.02
Bulkley	1.03	1.03
Morice	1.07	1.07
Kispiox	1.02	1.02
Kitwanga	1.02	1.02
Skeena@Terrace	1.15	1.33
Sweetin	1.11	1.12
Ecstall	1.05	1.05
L_Kalum	1.04	1.06
L_Kalum@AC	1.27	1.82
Thomas_Cr	1.36	2.69
Eel_R	1.03	1.03
Russian_R	1.04	1.04
Battle_Cr	1.07	1.08
Butte_Cr_f	1.06	1.06
Feather_H_fa	1.11	1.21
Stanislaus_R	1.17	1.19
Butte_Cr_sp	1.02	1.02
Deer_Cr_sp	1.04	1.04
Feather_H_sp	1.10	1.20
Mill_Cr_sp	1.19	1.22
Sacramento_H	1.03	1.03
L_Deschutes_R	1.06	1.12
U_Deschutes_R	1.03	1.03
George_Adams_H	1.29	1.64
Hamma_Hamma_f	1.05	1.06
NF_Skokomish_R_	1.37	1.73
SF_Skokomish_R_	1.32	2.08
Dungeness_R	1.03	1.03
Elwha_H	1.18	1.40
Elwha_R	1.26	1.61
Klamath_R_fa	1.08	1.08
Trinity_H_f	1.05	1.05
Trinity_H_sp	1.05	1.05
Abernathy_Cr_Fa	1.29	2.03
Abernathy_NFH_F:	1.00	1.00
Coweeman_R_Fa	1.11	1.13
Cowlitz_H_fa	1.06	1.07
Elochoman_R_Fa	1.22	1.41
Green_R_Fa	1.07	1.12
Lewis_R_f	1.01	1.02
Lewis_R_LSu	1.02	1.02
Lewis_R_Su	1.18	1.35
Sandy_R	1.27	1.75
Washougal_R_Fa	1.10	1.12
Cowlitz_H_sp	1.10	1.11
Kalama_H_sp	1.01	1.01
Lewis_H_sp	1.08	1.08
American_Sp	1.04	1.04
Carson_H	1.08	1.08
Entiat_H	1.03	1.03

Granite_Cr	1.07	1.08
John_Day_R	1.06	1.06
JohnDay_R	1.14	1.15
Klickitat_H	1.02	1.02
Klickitat_R_sp	1.16	1.31
L_Wh_Sal_H_sp	1.07	1.07
Little_Naches_Sp	1.03	1.03
Methow_R_sp	1.05	1.06
MF_JohnDay_R	1.03	1.04
Naches_Sp	1.07	1.07
NF_JohnDay_R	1.02	1.02
Shitike_H	1.07	1.08
Twisp_R_Sp	1.06	1.06
U_Yakima_H	1.08	1.08
U_Yakima_Sp	1.04	1.04
Warm_Springs_H	1.03	1.03
Wenatchee_H_sp	1.03	1.03
Wenatchee_R_sp	1.03	1.03
Spring_Cr_H	1.00	1.00
Coos_H	1.20	1.27
Coquille_R	1.07	1.07
Elk_H	1.10	1.10
Millicoma_R	1.03	1.03
S_Coos_H	1.07	1.08
S_Coos_R	1.07	1.09
S_Umpqua_H	1.00	1.01
Siuslaw_R	1.05	1.05
Sixes_R	1.04	1.04
Umpqua_H	1.06	1.06
Chetco_R	1.02	1.02
Klukshu_R	1.01	1.01
Situk_R	1.18	1.19
Alsea_R	1.06	1.06
Kilchis_R	1.11	1.22
Necanicum_H	1.07	1.07
Nehalem_R	1.05	1.05
Nestucca_H	1.05	1.05
Salmon_R_f	1.10	1.11
Siletz_R	1.08	1.08
Trask_R	1.02	1.02
Wilson_R	1.04	1.04
Yaquina_R	1.05	1.05
L_Sauk_R	1.05	1.05
L_Skagit_R_Fa	1.15	1.30
Marblemount_H_Sj	1.12	1.24
Marblemount_H_su	1.11	1.16
NF_Nooksack_H	1.07	1.07
NF_Stillaguam_H	1.10	1.12
Samish_H	1.18	1.20
Skagit_R	1.74	6.85
Skykomish_R	1.19	1.28
Skykomish_R_Su	1.56	2.82
Snoqualmie_R	1.13	1.27
Suiattle_R	1.04	1.05
U_Cascade_R	1.30	2.01
U_Sauk_R	1.34	2.62
U_Sauk_R_SpSu	1.49	1.95
U_Skagit_R	1.13	1.14
U_Skagit_Su	1.13	1.15
Wallace_H	1.16	1.22
Big_Boulder_Cr	1.03	1.03
Tahini_Mach	1.03	1.03

Tahini_R	1.05	1.05
King_Salmon_R	1.04	1.04
Applegate_Cr	1.11	1.11
Cole_Rivers_H	1.09	1.10
Bear_Cr_SuFa	1.04	1.04
Cedar_R_SuFa	1.12	1.13
Clear_Cr_H	1.52	3.82
Grovers_Cr_H	1.12	1.13
Hupp_Sp_H	1.08	1.08
Issaquah_Cr_SuFa	1.14	1.17
Nisqually_R_SuFa	1.49	2.28
S_Prairie_Cr	1.03	1.03
Soos_H	1.11	1.12
UW_H_SuFa	1.06	1.06
Voights_H	1.06	1.07
White_H	1.04	1.04
ClearwaterRFa	1.12	1.24
Lyons_Ferry_H	1.26	1.76
Nez_PerceT_H	1.12	1.23
Bear_Valley_Cr	1.11	1.11
Big_Cr	1.02	1.02
Camas_Cr	1.04	1.04
Capehorn_Cr	1.10	1.10
Catherine_Cr	1.06	1.06
Chamberlain_Cr	1.04	1.04
Crooked_Fk_Cr	1.09	1.09
Dworshak_H	1.06	1.06
EF_Salmon_R	1.04	1.04
Imnaha_R	1.03	1.03
Johnson_Cr	1.14	1.14
Johnson_H	1.02	1.02
Lochsa_R	1.06	1.06
Lolo_Cr	1.05	1.06
LookingGlass_H	1.03	1.03
Chickam_WhitH	1.02	1.02
Chickamin_H	1.05	1.05
Chickamin_R	1.04	1.04
Clear_Cr	1.05	1.05
Cripple_Cr	1.10	1.10
Keta_R	1.02	1.02
King_Cr	1.17	1.17
Andrew_Cr	1.06	1.06
Andrew_CryH	1.02	1.02
Andrew_Mach	1.13	1.13
Andrew_MedH	1.09	1.09

UPFR	1.06	1.08
MUFR	1.00	1.00
LWFR-F	1.03	1.06
NOTH	1.04	1.04
SOTH	1.05	1.06
LWTH	1.08	1.11
ECVI	1.01	1.03
WCVI	1.05	1.08
SOMN	1.33	2.17
NOMN	1.04	1.08
NASS	1.02	1.03
LWFR-Sp	1.03	1.03
LWFR-Su	1.06	1.06
QCI	1.04	1.05
Skeena Upper	1.09	1.11
Skeena Babine	1.02	1.02

Skeena Bulkley	1.02	1.02
Skeena Mid	1.15	1.32
Skeena Lower	1.05	1.09
California_Coast	1.02	1.02
Central_Valley_fa	1.10	1.21
Central_Valley_sp	1.10	1.20
Central_Valley_wi	1.03	1.03
Deschutes_R_fa	1.06	1.12
Hood_Canal	1.14	1.27
Juan_de_Fuca	1.16	1.34
Klamath_R	1.02	1.03
L_Columbia_R_fa	1.00	1.01
L_Columbia_R_sp	1.01	1.01
Mid_and_Upper_Co	1.09	1.15
Mid_Columbia_R_t	1.00	1.00
Mid_Oregon_Coast	1.00	1.01
N_California/S_Ore	1.02	1.02
N_Gulf_Coast_Alse	1.01	1.01
N_Gulf_Coast_Situ	1.18	1.19
N_Oregon_Coast	1.10	1.19
N_Puget_Sound	1.06	1.12
NSE_Alaska_Chilk	1.01	1.01
NSE_Alaska_King	1.04	1.04
Rogue_R	1.05	1.05
S_Puget_Sound	1.36	1.82
Snake_R_fa	1.04	1.09
Snake_R_sp/su	1.00	1.00
SSE_Alaska	1.02	1.02
SSE_Alaska_Stikin	1.02	1.03