Waterbodies Which Will Be Crossed by the Capacity Replacement Project											
Waterbody Name and Identification Number\	Approximate Milepost	Flow Type [1]	Crossing Width (feet)	FERC Stream Type	Proposed Crossing Technique	State Water Quality Classification [2]	Washington Department of Natural Resources Stream Type [3]	Listed Species' Critical Habitat Present and Status [4]	Listed Species Present (Documentation [5])	Species with EFH Present [5]	Recommended Dates for In-Stream Construction [6]
Sumas Loop - Whatcom County											
Wetland Ditch S-1.1A	1484.41	I	4	MN	Open Cut	A	N/A/(1)				July 1 to September 30
Wetland Ditch S-1.1B	1484.40	I	4	MN	Open Cut	A	N/A/(1)				
Wetland Ditch S-2	1483.96	I	7.5	MN	Open Cut	A	N/A/(1)				
Wetland Ditch S-2	1483.95	I	6.5	MN	Open Cut	A	N/A/(1)				
Wetland Ditch S-2	1483.87	I	6	MN	Open Cut	A	N/A				
Wetland Ditch S-2	1483.86	I	6	MN	Open Cut	A	N/A				
Upland Ditch S-3A	1483.57	I	<10 (10)	MN	Open Cut	A	N/A				
Upland Ditch S-3B	1483.43	I	8.5	MN	Open Cut	A	N/A				
Upland Ditch S-3C	1483.29	I	6.5	MN	Open Cut	A	N/A				
Saar Creek S-4A	1483.10	P	20	Inter	Dam&Pump	A	1			coho-R	
Upland Ditch S-5A	1483.01	I	5	MN	Open Cut	A	N/A				
Upland Ditch S-5B	1483.00	I	4	MN	Open Cut	A	N/A				
Saar Creek S-4B	1482.81	P	20	Inter	Dam&Pump	A	1			coho-S	
Tributary to Lake S-7	1481.39	P	4	MN	Flume	AA	3				
Tributary to Lake S-9	1481.02	P	<10	MN	Flume	AA	4				
Wetland Ditch S-10	1480.93	I	1	MN	Open Cut	A	N/A				

Waterbody Name and Identification Number\	Approximate Milepost	Flow Type [1]	Crossing Width (feet)	FERC Stream Type	Proposed Crossing Technique	State Water Quality Classification [2]	Washington Department of Natural Resources Stream Type [3]	Listed Species' Critical Habitat Present and Status [4]	Listed Species Present (Documentation [5])	Species with EFH Present [5]	Recommended Dates for In-Stream Construction [6]
Tributary to Kinney Creek S-14	1480.03	I	1	MN	Open Cut	A	5				July 1 to September 30
Tributary to Kinney Creek S-16	1480.01	I	2	MN	Open Cut	A	5				
Kinney Creek S-21	1479.06	P	<10	MN	Flume	A	3			coho-Pr	
Breckenridge Creek S-22	1478.87	P	>10(30)	Inter	Flume	A	3			coho-S	
Upland Ditch S-22.1A	1478.16	I	3	MN	Open Cut	A	N/A				
Upland Ditch S-22.1B	1478.15	I	2	MN	Open Cut	A	N/A				
Swift Creek S-23	1477.60	I	>10(15)	Inter	Flume	A	3				
Wetland Ditch S-25	1477.10	I	6	MN	Open Cut	A	N/A				
Wetland Ditch S-26.1A	1476.97	I	3	MN	Open Cut	A	N/A				
Wetland Ditch S-26.1B	1476.90	I	4	MN	Open Cut	A	N/A				
Tributary to Sumas River S-27	1476.80	P	4	MN	Flume	A	3			coho-D	
Pond Outlet S-27	1476.80	I	3	MN	Flume	A	3				
Tributary to Sumas River S-29	1476.43	I	<10	MN	Open Cut	A	5				
Upland Ditch S-29.1	1476.29	I	3	MN	Open Cut	A	N/A				
Upland Ditch S-29.2	1476.26	I	2	MN	Open Cut	A	N/A				
Tributary to Sumas River S-30	1476.16	P	7	MN	Flume	A	3				
Tributary to Sumas River S-31A,B	1476.10	I	5	MN	Flume	A	3				
Dale Creek S-32	1475.86	P	<10	MN	Flume	A	2			coho-D	

Waterbody Name and Identification Number\	Approximate Milepost	Flow Type [1]	Crossing Width (feet)	FERC Stream Type	Proposed Crossing Technique	State Water Quality Classification [2]	Washington Department of Natural Resources Stream Type [3]	Listed Species' Critical Habitat Present and Status [4]	Listed Species Present (Documentation [5])	Species with EFH Present [5]	Recommended Dates for In-Stream Construction [6]
Tributary to Sumas River S-35	1475.71	P	5	MN	Flume	A	4				July 1 to September 30
Tributary to Sumas River S-38	1475.38	I	2	MN	Open Cut	A	5				
Unnamed Tributary S-39	1475.19	I	2	MN	Open Cut	A	5				
Tributary to Sumas River S-47	1473.70	P	>10	Inter	Flume	A	3			coho-Pr	
Upland Ditch S-49.1	1473.12	I	<10	MN	Open Cut	A	N/A				June 15 to August 31 (odd years only) June 15 to September 30 (even years only)
Upland Ditch S-51	1472.68	I	3	MN	Open Cut	A	N/A				
Unnamed Tributary S-52	1472.63	I	2	MN	Open Cut	A	5				
Wetland Ditch S-53	1472.56	I	3	MN	Open Cut	A	N/A				
Upland Ditch S-53.1	1472.46	I	5	MN	Open Cut	A	N/A				
Upland Ditch S-53.2	1472.36	I	2	MN	Not Crossed	A	5				
Smith Creek S-54	1472.23	P	28	Inter	Flume	A	3	bull trout P-CH chinook F-CH	chinook-Pr	chinook-Pr coho-D	
Tributary to Macaulay Creek S-55	1471.95	P	4	MN	Flume	A	3	chinook F-CH			
Tributary to Macaulay Creek S-56	1471.55	I	2	MN	Open Cut	A	5				
Upland Ditch S-56.1	1471.49	I	2	MN	Open Cut	A	N/A				
Macaulay Creek S-57	1471.04	P	>10	Inter	Flume	A	3	chinook F-CH	chinook-D	chinook-D coho-R	
Tributary to Mitchell Creek S-57.	1470.85	P	5	MN	Flume	A	3	chinook F-CH	chinook-D	chinook-D coho-S	
Mitchell Creek Ditch S-59	1470.76	P	5	MN	Flume	A	3	chinook F-CH	chinook-D	chinook-D coho-S	

Waterbody Name and Identification Number\	Approximate Milepost	Flow Type [1]	Crossing Width (feet)	FERC Stream Type	Proposed Crossing Technique	State Water Quality Classification [2]	Washington Department of Natural Resources Stream Type [3]	Listed Species' Critical Habitat Present and Status [4]	Listed Species Present (Documentation [5])	Species with EFH Present [5]	Recommended Dates for In-Stream Construction [6]
Tributary to Mitchell Creek S-60	1470.14	P	4	MN	Flume	A	3	chinook F-CH		coho-S	June 15 to August 31 (odd years only) June 15 to September 30 (even years only)
Tributary to Mitchell Creek S-62	1469.79	P	4	MN	Flume	A	3	chinook F-CH			
Ditch and Unnamed Tributary S-64	1469.16 1469.14	I	2	MN	Open Cut	A	5				
Tributary to Jim Creek S-66	1468.84	I	2	MN	Open Cut	A	5 (1)				
Tributary to Jim Creek S-67A	1468.81	I	2	MN	Open Cut	A	5 (1)				
Tributary to Jim Creek S-67B	1468.77	I	2	MN	Open Cut	A	5 (1)				
Jim Creek S-68	1468.68	P	10	Inter	HDD	A	3 (1)	chinook F-CH		coho-D	
Tributary to Nooksack River S-69	1468.44	I	20	Inter	HDD	A	3 (1)	chinook F-CH			
North Fork Nooksack River S-70	1468.20	P	580	MJ	HDD	A	1	bull trout P-CH chinook F-CH	bull trout-R chinook-S	chinook-S coho-R pink-S	
Tributary to South Fork Nooksack River S-73	1467.41	P	5	MN	Flume	A	3	chinook F-CH		chum-D coho-S sockeye-D steelhead-D cutthroat-S	July 15 to August 15
Tributary to South Fork Nooksack River S-74	1467.27	I	1	MN	Open Cut	A	5				
Tributary to South Fork Nooksack River S-74	1467.20	I	1	MN	Open Cut	A	5				
Tributary to South Fork Nooksack River S-76	1466.81	I	2	MN	Flume	A	3	chinook F-CH	chum-D coho-Pr	chum-D coho-Pr	
Wetland Ditch S-80A	1465.45	I	3	MN	Open Cut	A	N/A (1)				
Wetland Ditch S-80B	1465.45	I	3	MN	Open Cut	A	N/A (1)				

Waterbody Name and Identification Number\	Approximate Milepost	Flow Type [1]	Crossing Width (feet)	FERC Stream Type	Proposed Crossing Technique	State Water Quality Classification [2]	Washington Department of Natural Resources Stream Type [3]	Listed Species' Critical Habitat Present and Status [4]	Listed Species Present (Documentation [5])	Species with EFH Present [5]	Recommended Dates for In-Stream Construction [6]
Tributary to Black Slough S-82	1465.01	P	2	MN	Flume	A	3	chinook F-CH	coho-D	coho-D	July 15 to August 15
Wetland Ditch S-82	1464.73	I	2	MN	Flume	A	3 (1)	chinook F-CH	Unknown	Unknown	
Wetland Ditch S-83	1464.72	I	7	MN	Open Cut	A	N/A (1)				
Tinling Creek S-84	1464.59	P	25	Inter	Flume	A	3 (1)	chinook F-CH	chum-S coho-S	chum-S coho-S	
Wetland Ditch S-85	1464.50	I	5	MN	Open Cut	A	N/A (1)				
Wetland Ditch S-85	1464.24	I	6	MN	Open Cut	A	N/A (1)				
Wetland Ditch S-86A	1463.75	I	6	MN	Open Cut	A	N/A (1)				
Wetland Ditch S-86B	1463.74	I	6	MN	Open Cut	A	N/A (1)				
Wetland Ditch S-87	1463.50	I	3	MN	Open Cut	A	N/A (1)				
Tributary to Black Slough S-88	1463.26	I	2	MN	Open Cut	A	5 (1)				
Wetland Ditch S-89A	1463.01	I	<10	MN	Flume	A	3 (1)	chinook F-CH	coho-D	coho-D	
Wetland Ditch S-89B	1463.00	I	<10	MN	Open Cut	A	N/A (1)				
Tributary to South Fork Nooksack River S-91	1461.90	P	<10	MN	Flume	A	3	chinook F-CH	chinook-Pr coho-Pr	chinook-Pr coho-Pr	
Mt. Vernon Loop – Skagit County (No waterbodies crossed in Skagit County)											
Mt. Vernon Loop - Snohomish County											
Pilchuck Creek MV-7	1428.62	P	75	Inter	Open Cut	A	1	chinook F-CH	bull trout-Pr chinook-S	chinook-S coho-R pink-S	July 1 to August 31
Tributary to Pilchuck Creek (Ditch) MV-8	1428.60	I	4	MN	Open Cut	A	5				
Tributary to Pilchuck Creek MV-8.1	1428.49	I	1	MN	Open Cut	A	5				
Armstrong Creek MV-11	1425.62	P	4	MN	Flume	A	2	chinook F-CH	bull trout-Pr chinook-Po	chinook-Po coho-S pink-S	

Waterbody Name and Identification Number\	Approximate Milepost	Flow Type [1]	Crossing Width (feet)	FERC Stream Type	Proposed Crossing Technique	State Water Quality Classification [2]	Washington Department of Natural Resources Stream Type [3]	Listed Species' Critical Habitat Present and Status [4]	Listed Species Present (Documentation [5])	Species with EFH Present [5]	Recommended Dates for In-Stream Construction [6]
North Fork Stillaguamish River MV-14	1424.26	P	275	MJ	HDD	A	1	bull trout P-CH chinook F-CH	bull trout-R chinook-S	chinook-S coho-R pink-S	July 1 to August 15
South Fork Stillaguamish River MV-15	1423.84	P	200	MJ	HDD	A	1	bull trout P-CH chinook F-CH	bull trout-R chinook-S	chinook-S coho-R pink-S	
Eagle Creek MV-16	1423.46	P	<10	MN	HDD	A	3 (1)	chinook F-CH		coho-D	
Wetland Ditch MV-17	1422.96	I	3	MN	Open Cut	A	N/A (1)				
Wetland Ditch MV-18	1422.79	I	<10	MN	Open Cut	A	N/A (1)				
Tributary to South Fork Stillaguamish River MV-20	1422.24	I	2	MN	Open Cut	A	5				
Tributary to South Fork Stillaguamish River MV-23	1421.94	I	1	MN	Open Cut	A	5				
Wetland Ditch MV-24	1421.85	I	2	MN	Open Cut	A	N/A				
Tributary to South Fork Stillaguamish River MV-27	1421.33	P	4	MN	Flume	A	3	chinook F-CH		coho-S	
Olson Lake MV-32A&B	1419.33	P	1,500	MJ	Push/Pull	AA	2	chinook F-CH		coho-Pr	
Tributary to Star Creek (Ditch) MV-44	1415.98	I	1	MN	Open Cut	A	5				
Upland Ditch MV-45	1415.88	I	3	MN	Open Cut	A	N/A				
Upland Ditch MV-47A	1415.53	I	1.5	MN	Open Cut	A	N/A				
Upland Ditch MV-47B	1415.52	I	1	MN	Open Cut	A	N/A				
Star Creek MV-49.1	1415.31	P	4	MN	Flume	A	3	chinook F-CH		coho-S	
Tributary to Little Pilchuck Creek MV-50	1414.45	I	1	MN	Open Cut	A	5				July 1 to August 31

Waterbody Name and Identification Number\	Approximate Milepost	Flow Type [1]	Crossing Width (feet)	FERC Stream Type	Proposed Crossing Technique	State Water Quality Classification [2]	Washington Department of Natural Resources Stream Type [3]	Listed Species' Critical Habitat Present and Status [4]	Listed Species Present (Documentation [5])	Species with EFH Present [5]	Recommended Dates for In-Stream Construction [6]
Upland Ditch MV-50.1	1414.10	I	4	MN	Open Cut	A	N/A				July 1 to August 31
Upland Ditch MV-51	1414.00	I	1	MN	Open Cut	A	N/A				
Upland Ditch MV-53A	1413.67	I	3	MN	Open Cut	A	N/A				
Upland Ditch MV-53B	1413.66	I	3	MN	Open Cut	A	N/A				
Upland Ditch MV-54	1413.10	I	4	MN	Open Cut	A	N/A				
Tributary to Little Pilchuck Creek MV-55	1412.12	P	4	MN	Flume	A	3	chinook F-CH		coho-S	
Tributary to Little Pilchuck Creek MV-57	1411.94	I	1	MN	Open Cut	A	5				
Upland Ditch MV-59	1411.77	I	1	MN	Open Cut	A	N/A				
Upland Ditch MV-59.1	1411.58	I	3	MN	Open Cut	A	N/A				
Little Pilchuck Creek MV-62	1411.06	P	20	Inter	Flume	A	1	chinook F-CH		coho-S	
Little Pilchuck Creek MV-63	1410.52	P	20	Inter	Flume	A	1	chinook F-CH	bull trout-R	coho-S	
Upland Ditch MV-64	1410.33	I	2	MN	Open Cut	A	N/A				
Catharine Creek MV-66	1409.59	P	<10	MN	Flume	A	1	chinook F-CH	bull trout-R	coho-S	
Snohomish Loop - Snohomish County											
Tributary to Paradise Lake/ Bear Creek SN-2	1393.77	P	8	MN	Flume	A	3	chinook F-CH			July 1 to August 15
Upland Ditch SN-2.1	1393.76	I	3	MN	Open Cut	A	N/A				
Upland Ditch SN-3.2A	1393.47	I	3	MN	Open Cut	A	N/A				
Upland Ditch SN-3.2B	1393.47	I	3	MN	Open Cut	A	N/A				
Tributary to Paradise Lake/Bear Creek SN-4	1393.32	P	<10	MN	Flume	AA	3	chinook F-CH			

Waterbody Name and Identification Number\	Approximate Milepost	Flow Type [1]	Crossing Width (feet)	FERC Stream Type	Proposed Crossing Technique	State Water Quality Classification [2]	Washington Department of Natural Resources Stream Type [3]	Listed Species' Critical Habitat Present and Status [4]	Listed Species Present (Documentation [5])	Species with EFH Present [5]	Recommended Dates for In-Stream Construction [6]
Tributary to Paradise Lake/Bear Creek SN-6	1393.11	P	6	MN	Flume	AA	3	chinook F-CH			July 1 to August 15
Snohomish Loop - King County											
Tributary to Paradise Lake/Bear Creek SN-6	1393.07	I	2	MN	Flume	AA	3	chinook F-CH		Unknown	July 1 to August 15
Tributary to Paradise Lake/Bear Creek SN-7	1392.95	P	3	MN	Flume	AA	3	chinook F-CH		coho-S	
Tributary to Paradise Lake/Bear Creek SN-21	1391.24	P	<10	MN	Flume	AA	3	chinook F-CH		coho-S	
Struve Creek SN-22	1390.15	P	14	Inter	Flume	A	3	chinook F-CH		coho-R	July 1 to August 15
Colin Creek SN-24	1389.40	P	14	Inter	Span	A	3	chinook F-CH		coho-S	
Snohomish Loop - City of Redmond											
Tributary to Seidel Creek SN-28A,B	1388.64	P	<10	MN	Flume	A	3				July 1 to August 15
Tributary to Seidel Creek SN-29	1388.51	P	<10	MN	Flume	A	3				
Tributary to Bear Creek SN-32	1387.73	I	2	MN	Open Cut	A	5				
Snohomish Loop - King County											
Tributary to Evans Creek SN-37	1385.80	P	>10	Inter	Flume	A	4				July 1 to August 15
Tributary to Evans Creek SN-38	1385.79	P	<10 Existing 26" Culvert	MN	Flume	A	4				
Tributary to Evans Creek Wetland SN-39.2	1385.58	I	<10	MN	Not Crossed	A	5				
Tributary to Evans Creek SN-39.3	1385.51	I	<1 Culverted	MN	Open Cut	A	5				
Upland Ditch SN-40.2	1384.95	I	3	MN	Open Cut	A	N/A				
Evans Creek SN-42	1383.66	P	950	MJ	Push/Pull	A	3	chinook F-CH		coho-S	
Tributary to Evans Creek SN-43	1383.41	P	>10	Inter	Flume	A	3	chinook F-CH			

Waterbody Name and Identification Number\	Approximate Milepost	Flow Type [1]	Crossing Width (feet)	FERC Stream Type	Proposed Crossing Technique	State Water Quality Classification [2]	Washington Department of Natural Resources Stream Type [3]	Listed Species' Critical Habitat Present and Status [4]	Listed Species Present (Documentation [5])	Species with EFH Present [5]	Recommended Dates for In-Stream Construction [6]
Ft. Lewis Loop - Pierce County											
Muck Creek FL-12	1332.35	P	20	Inter	Flume	A	2	chinook F-CH		coho-S	July 1 to September 15
South Creek FL-13	1332.11	I	25	Inter	Flume	A	2	chinook F-CH		coho-S	
Lacamas Creek FL-17	1328.71	P	15	Inter	Flume	A	3	chinook F-CH		coho-S	
Murray Creek FL-23	1327.92	P	3	MN	Flume	A	3	chinook F-CH		coho-Po	
Nisqually River FL-35A,B	1324.28	P	160	MJ	Open Cut	A	1	bull trout P-CH chinook F-CH	chinook-S	chinook-S coho-S pink-S	July 1 to August 31
Ft. Lewis Loop - Thurston County											
Centralia Canal FL-37	1323.85	P	40	Inter	Span	A	3	chinook F-CH			July 1 to September 15
Tributary to Yelm Creek (ditch) FL-43	1320.72	I	2	MN	Open Cut	A	5				
Upland Ditch FL-44.1A	1320.52	I	1	MN	Open Cut	A	N/A				
Upland Ditch FL-44.1B	1320.52	I	1	MN	Open Cut	A	N/A				
Tributary to Yelm Creek FL-45	1320.40	I	<10	MN	Open Cut	A	5				
Upland Ditch FL-45.1	1319.76	I	1	MN	Open Cut	A	N/A				
Upland Ditch FL-46	1319.58	I	3	MN	Open Cut	A	N/A				
Upland Ditch FL-46.1	1319.10	I	3	MN	Open Cut	A	N/A				
Upland Ditch FL-47.1A	1318.78	I	1	MN	Open Cut	A	N/A				
Upland Ditch FL-47.1B	1318.78	I	1	MN	Open Cut	A	N/A				

Waterbody Name and Identification Number\	Approximate Milepost	Flow Type [1]	Crossing Width (feet)	FERC Stream Type	Proposed Crossing Technique	State Water Quality Classification [2]	Washington Department of Natural Resources Stream Type [3]	Listed Species' Critical Habitat Present and Status [4]	Listed Species Present (Documentation [5])	Species with EFH Present [5]	Recommended Dates for In-Stream Construction [6]
Retirement of 26-Inch Facilities											
Portland Lateral Take–Off											
Tributary to East Fork Lewis River (Ditch) RF-1	1232.52	I	4	MN	Flume	A	3	chinook F-CH			July 1 to August 31

[1] Based on WDNR Type (Types 1 through 4 are perennial, Type 5 is intermittent).
[2] WAC Chapter 173-201A.
[3] Washington Department of Natural Resources. 2001. GIS Database Hydrolayer-Streamtype.
[4] P-CH is Proposed Critical Habitat for bull trout; F-CH is Former Critical Habitat for chinook salmon.
[5] ESA listed species and EFH species presence were identified from the SalmonScape component of the Salmon and Steelhead Habitat Inventory and Assessment Program (WDFW and NWIFC, 2004).
[6] Construction windows are based on the draft WDFW table: Allowable In-Water Work Windows.