APPENDIX N

Water Resources and Wetlands

N-1a. **Wetlands and Waterbodies Impacted by the Pacific Connector Pipeline (includes all wetlands within 400-foot survey corridor)**
N-1b. **Summary of Wetland Impacts by Fifth Field/HUC10 Watershed**
N-2. **High Value Wetlands Affected by the Pacific Connector Pipeline Project**
N-3. **Waterbodies Crossed by the Pacific Connector Pipeline Project**
N-4. **Shallow Groundwater Areas Crossed by the Pacific Connector Pipeline Project**

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
Coast Range Ecoregion, Coos Sub-basin (HUC 17100304), Coos Bay-Frontal Pacific Ocean (HUC 1710030403) Fifth field Watershed [3], Coos County, Oregon															
J [9]	1.64R	Private	PEMA	Slope/Flats	1.52	51.92	86.53	0.13	1.39	0.00	1.52	0.00	Tidally influenced emergent wetland.	Likely	Likely
K [9]	1.71R	Private	PFOC	Slope/Flats	0.54	-	-	0.00	0.54	0.00	0.54	0.00	Tidally influenced forested wetland	Likely	Likely
NE026 Coos Bay	2.92R	State	E1UBL	Estuarine	119.88	12207.71 15.09 384.33 257.02 87.19	49.197.07 60.81 1548.85 1035.79 351.38	69.69 0.20 2.15 1.24 0.60	0.20 0.00 0.53 0.00 1.64	0.00	69.89 0.20 2.68 1.24 2.24	0.00	Coos Bay	Likely	Likely
GSI-26	4.97R	Private	R4	Riverine F/T	0.10	4.85	12.93	0.01	0.00	0.00	0.01	0.00	Snowmelt, ephemeral drainage	Unlikely	Unlikely
SS-003-008 Trib to Kentuck Slough	6.27R	Private	R4SB	N/A	0.15	20.17	53.85	0.05	0.05	0.00	0.10	0.00	Intermittent channeled ditch	Unlikely	Unlikely
GW-27(EE-4 and EE4A) Trib to Kentuck Slough	6.27R	Private	PEM	Slope	4.99	500.29	846.75	1.11	1.75	0.00	2.86	0.00	Large wet pasture adjacent to Kentuck Slough – includes wetland ditched drainage swale –Trib to Kentuck Slough (EE004)	Likely	Likely
GSP28 (EE-5) Kentuck Slough [5]	6.33R	State	R2	Riverine F/T	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Kentuck Slough – approximately 60' wide Conventional Bore Crossing	Likely	Likely
NW-117 (EE-6A) &Trib to Coos Bay (EE-6)	6.39R	Private	PEM	Flats	5.16	592.70	998.23	1.08	1.85	0.00	2.93	0.00	Off-site determination south of Kentuck Slough. Slough sedge and reed canarygrass dominate – includes ditched drainage – Trib to Coos Bay	Likely	Likely
W1-02	6.47R	Private	PFO	Slope/Flats	0.35	98.08	163.79	0.15	0.00	0.00	0.15	0.07	Spring fed wetland dominated by skunk cabbage.	Likely	Likely
S1-03 Trib. to Willanch Slough	8.17	Private	R2UB	Riverine F/T	0.06	-	-	0.00	0.00	0.00	0.00	0.00	Seep fed perennial stream likely originating higher on mountain side.	Likely	Likely
GDX-29 (EE-8) Trib to Willanch Slough	8.24R	Private	R4SB	Riverine	0.12	-	-	0.00	0.00	0.00	0.00	0.00	Roadside tributary to Willanch Slough. 2' wide, 3' deep with silt/gravel substrate	Likely	Likely
Willanch Slough (EE-7)	8.27R	Private	R2	Riverine F/T	0.20	23.87	63.65	0.06	0.00	0.00	0.06	0.00	Access denied – small tributary within pasture/hayfield lacking effect riparian vegetation	Likely	Likely
W1-04	8.33R	Private	PEM	Depressional	0.77	179.88	299.80	0.36	0.02	0.00	0.38	0.00	Wetland in floodplain of Willanch Slough.	Likely	Likely
GDX-30 Trib to Willanch Slough	8.48R	Private	R4SB	N/A	0.18	13.42	35.79	0.03	0.00	0,00	0.03	0.00	Incised tributary to Willanch Slough	Likely	Likely

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Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
GSI-31 Trib to Willanch Slough	8.49R	Private	R4SB	Riverine F/T	0.15	-	-	0.00	0.00	0.00	0.00	0.00	Intermittent stream in steep valley bottom. Flows into GDX030	Likely	Likely
SS-100-002 Trib to Cooston Channel (Echo Creek)	10.22R	Private	R4SB	Riverine F/T	0.69	84.01	224.03	0.17	0.00	0.00	0.17	0.00	Small headwater tributary - intermittent	Likely	Likely
SS-100-003 Trib to Coos River	10.79R	Private	R4SB	Riverine F/T	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Intermittent headwater tributary.	Likely	Likely
WW-100-001	11.01R	Private	PEMA	Slope/Flats	3.37	597.89	996.48	1.20	0.88	0.00	2.08	0.00	Freshwater Emergent Wetland	Likely	Likely
BSP-119 Coos River [5]	11.13R	State	R2OWN	Riverine F/T	4.79	-	-	0.00	0.00	0.00	0.00	0.00	Coos River, ~650' wide HDD Crossing	Likely	Likely
WW-222-002	11.26R	Private	PEMAd	Slope/Flats	0.30	42.11	70.18	0.07	0.06	0.00	0.13	0.00	Depressional herbaceous wetland	Likely	Likely
SS-222-002	11.29	Private	R4UB1Cx	Riverine F/T	0.08	-	-	0.00	0.00	0.00	0.00	0.00	30-40' wide trapezoidal ditch; drains agricultural field	Likely	Likely
WW-222-003	11.35R	Private	PEMAd	Slope/Flats	0.26	151.67	252.78	0.17	0.02	0.00	0.19	0.00	Depressional herbaceous wetland	Likely	Likely
SS-100-004 Vogel Creek	11.52R	Private	R2UBHx	Riverine F/T	0.69	39.47	105.25	0.08	0.00	0.00	0.08	0.00	45-foot wide perennial waterbody	Likely	Likely
SS-100-005 Vogel Creek	11.58R	Private	R2UBHx	Riverine F/T	0.05	-	-	0.00	0.05	0.00	0.05	0.00	small 10-foot wide ditched waterbody	Likely	Likely
WW-100-002	11.76R	Private	PEMA/ R2UBHx	Slope/Flats	37.71	4,119.57	4695.35	8.93	5.44	0.00	14.37	0.00	Freshwater Emergent Wetland	Likely	Likely
SS-100-006 Tributary to Coos River	11.77R	Private	R2UBHx	Riverine F/T	0.11	12.03	32.08	0.03	0.00	0.00	0.03	0.00	Small ditched tributary in pasture	Likely	Likely
SS-100-007 Tributary to Lillian Creek	11.91R	Private	R2UBHx	Riverine F/T	0.26	8.38	22.35	0.02	<0.01	0.00	0.02	0.00	Small, ditched perennial triburary	Likely	Likely
SS-222-001	11.97R	Private	R4SBx	NA	0.02	3.03	8.08	0.01	0.00	0.00	0.01	0.00	3' wide intermittent ditch	Likely	Likely
SS-100-002A Lillian Creek	12.07R	Private	R2UBHx	Riverine F/T	0.69	75.18	200.48	0.17	0.00	0.00	0.17	0.00	80-foot wide trapezoidal channeled waterbody	Likely	Likely
SS-100-008 Tributary to Coos River	12.22R	Private	R2UBHx	Riverine F/T	0.13	18.16	48.43	0.04	0.00	0.00	0.04	0.00	small ditched tributary in pasture.	Likely	Likely
Station equation added with the incorporation of WC-1A-2A (i.e., MP 12.39R = MP 8.59)															
BSP-112 Tributary to Coos River	8.37	Private	R2UB3Hx	Riverine F/T	0.01	-	-	0.00	0.00	0.00	0.00	0.00	30-40' wide trapezoidal ditch, drains agricultural field	Likely	Likely
BW-111	8.58	Private	PEMC	Slope/Flats	7.02	745.23	1242.05	1.74	0.80	0.00	2.54	0.00	Agricultural field wetland	Likely	Likely
BDX-109 Tributary to Coos River	8.67	Private	R4UB3Cx	N/A	0.10	5.72	15.25	0.01	0.00	0.00	0.01	0.00	25' drainage ditch associated with BW110	Likely	Likely
BW110	8.71	Private	PFOC	Slope/Flats	2.39	405.26	675.43	0.85	0.00	0.00	0.85	0.28	Forested alder/willow wetland		

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BDX-109A Tributary to Coos River	8.73	Private	R4UB3Cx	N/A	0.03	4.45	11.87	0.01	0.00	0.00	0.01	0.00	Headwater wetland overflow that is ditched upstream and downstream of Wetland BW110	Likely	Likely
BSP-104 Trib. to Catching Slough	9.02	Private	R2UB3H	Riverine F/T	0.02	2.33	6.21	0.01	0.00	0.00	0.01	0.00	2' wide, V-shaped ditch dominated by blackberry	Likely	Likely
BW-106	9.18	Private	PFOC	Slope/Flats	0.12	-	-	0.00	0.00	0.00	0.00	0.00	Sedge-dominated wetland with alder overstory	Likely	Likely
BSP-105 Trib. to Catching Slough	9.19	Private	R2UB3H	Riverine F/T	0.02	2.83	7.55	0.01	0.00	0.00	0.01	0.00	2-3' wide, forested, trapezoidal channel	Likely	Likely
BW-108	9.20	Private	PFOC	Slope/Flats	0.26	-	-	<0.01	0.00	0.00	<0.01	0.00	Alder-forested wetland	Likely	Likely
DSI-3 Trib. to Catching Slough	9.33	Private	R4UB3C	Riverine F/T	0.09	11.72	31.25	0.02	0.00	0.00	0.02	0.00	12-25' wide at TOB; 8-20' deep	Likely	Likely
DW-1 Trib. to Catching Slough	9.45	Private	PFO/PSS/PEMC	Slope/Flats	0.18	20.14	33.57	0.04	0.00	0.00	0.04	0.01	Swale feature with alder and thimbleberry	Likely	Likely
DSP-2 Trib. to Catching Slough	9.51	Private	R3SB1H	Riverine F/T	0.05	4.20	11.20	0.01	0.00	0.00	0.01	0.00	Deep draw, small perennial stream	Likely	Likely
SS-222-005	10.04	Private	R2UB3H	Riverine F/T	0.02	-	-	0.01	0.00	0.00	0.01	0.00	4' wide spring fed stream. Connects to SS-222-003	Likely	Likely
SS-222-003	10.05	Private	R4SBx	Riverine F/T	0.14	10.36	27.63	0.02	0.01	0.00	0.03	0.00	3-4' wide trapezoidal ditched to Monkey Ranch Gulch	Likely	Likely
SS-222-004	10.11	Private	R2UB3H	Riverine F/T	0.15	-	-	0.00	0.00	0.00	0.00	0.00	11' wide 1'deep ditch drains wetland ww-222-004	Likely	Likely
WW-222-004	10.13	Private	PEM	Slope/Flats	3.89	761.08	1268.47	1.60	0.26	0.00	1.86	0.00	Emergent Pasture connected to NW016 through culvert	Likely	Likely
DA5X Monkey Gulch	10.20	Private	R2UBHx	N/A	0.18	9.68	25.81	0.02	0.00	0.00	0.02	0.00	5-6' wide trapezoidal ditch channel Monkey Ranch Gulch	Likely	Likely
NW-16	10.25	Private	PEMC	Slope/Flats	4.69	604.21	1007.02	1.29	0.34	0.00	1.63	0.00	Connected to BW89 and BW86	Likely	Likely
BW-89	10.26	Private	PEMC	Slope/Flats	0.04	-	-	0.00	0.00	0.00	0.00	0.00	Grazed pasture wetland	Likely	Likely
BSP-88 Stock Slough	10.32	Private	R2UBHx	Riverine F/T	0.17	15.67	41.79	0.03	0.00	0.00	0.03	0.00	Bermed perennial stream, 10-30' wide	Likely	Likely
BDX-87 Trib. to Stock Slough	10.34	Private	R4UB3Cx	N/A	0.06	11.30	23.44	0.02	0.00	0.00	0.02	0.00	2-3' wide trapezoidal, excavated, unvegetated ditch	Likely	Likely
BW-86	10.38	Private	PEMC	Slope/Flats	5.75	716.69	1194.48	1.51	0.89	0.00	2.40	0.00	Pasture wetland	Likely	Likely
BL-84 Pasture Pond	10.40	Private	PUBYx	N/A	0.01	-	-	0.00	0.00	0.00	0.00	0.00	2-3' deep excavated pasture pond	Likely	Likely
BW-85	10.95	Private	PEMC	Slope/Flats	6.69	706.97	1178.28	1.57	1.74	0.00	3.31	0.00	Agricultural field wetland, active pasture	Likely	Likely

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BDX-83	10.96	Private	R4UB1Cx	N/A	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	V-shaped seasonal ditch	Likely	Likely
BDX-81	10.98	Private	R4UB1Cx	N/A	0.08	14.95	39.87	0.04	0.00	0.00	0.04	0.00	V-shaped seasonal ditch	Likely	Likely
BDX-82	10.98	Private	R4UB1Cx	N/A	0.01	2.11	5.63	0.00	0.00	0.00	0.00	0.00	V-shaped seasonal ditch	Likely	Likely
BDX-80	11.03	Private	R4UB1Cx	N/A	0.01	1.48	3.95	0.00	0.00	0.00	0.00	0.00	1' wide, 1' deep, V-shaped ditch	Likely	Likely
BSP-79 Catching Slough [5]	11.11	Private	R2OWN	Riverine F/T	2.39	0.00 [5]	0.00	0.00	0.00	0.00	0.00	0.00	Catching Slough, 200' wide. Conventional Bored Crossing	Likely	Likely
BW-117	11.22	Private	PEMC	Slope/Flats	12.79	1331.34	2218.90	2.92	1.85	0.00	4.77	0.00	Grazed agricultural wetland	Likely	Likely
BDX-118	11.29	Private	R4UB1Cx	N/A	0.09	9.24	24.64	0.02	0.00	0.00	0.02	0.00	30-40' wide trapezoidal ditch; drains agricultural field	Likely	Likely
BDX-116	11.39	Private	R4UB1Cx	N/A	0.18	18.41	49.09	0.04	0.00	0.00	0.04	0.00	15' wide ditch at toe of slope drains agricultural field	Likely	Likely
BW-115	11.47	Private	PFOC	Slope/Flats	0.04	-	-	0.00	0.00	0.00	0.00	0.00	Red alder dominated wetland	Likely	Likely
BSP-114 Trib. to Catching Slough	11.47	Private	R3UB3H	Riverine F/T	0.01	2.02	5.39	0.00	0.00	0.00	0.00	0.00	2' wide, V-shaped channel; upper portion intermittent	Likely	Likely
BSP-103 Trib. to Catching Slough	11.78	Private	R2UB3H	Riverine F/T	0.03	3.07	8.19	0.01	0.00	0.00	0.01	0.00	2-4' wide forested, trapezoidal channel	Likely	Likely
BSP-101 Trib. to Catching Slough	11.84	Private	R2UB3H	Riverine F/T	0.01	1.22	3.25	0.00	0.00	0.00	0.00	0.00	1' wide trapezoidal perennial stream	Likely	Likely
BW-102	11.85	Private	PFOC	Slope/Flats	0.11	-	-	0.00	0.00	0.00	0.00	0.00	Forested wetland connected to BSP101 and BSP103	Likely	Likely
BSP-100 Trib. to Catching Slough	11.87	Private	R2UB3H	Riverine F/T	0.04	4.76	12.69	0.01	0.00	0.00	0.01	0.00	Forested, U-shaped perennial stream	Likely	Likely
NSI-41 Trib. to Catching Slough	12.05	Private	R4SBC	Riverine F/T	0.01	1.21	3.23	0.00	0.00	0.00	0.00	0.00	Small intermittent headwater tributary	Likely	Likely
NSI-92 Trib. to Catching Slough	12.27	Private	R4SBC	Riverine F/T	0.04	4.99	13.31	0.01	0.00	0.00	0.01	0.00	Small intermittent headwater tributary	Likely	Likely
NSI-93 Trib. to Catching Slough	12.31	Private	R4SBC	Riverine F/T	0.04	4.00	10.67	0.01	0.00	0.00	0.01	0.00	Small intermittent headwater tributary	Likely	Likely
NSI-94 Trib. to Catching Slough	12.39	Private	R4SBC	Riverine F/T	0.02	-	-	0.00	0.00	0.00	0.00	0.00	Small intermittent headwater tributary	Likely	Likely
NSI-95 Trib. to Catching Slough	12.39	Private	R4SBC	Riverine F/T	0.06	6.76	18.03	0.02	0.00	0.00	0.02	0.00	Small intermittent headwater tributary	Likely	Likely

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NSI-96 Trib. to Catching Slough	12.40	Private	R4SBC	Riverine F/T	0.02	-	-	0.00	0.00	0.00	0.00	0.00	Small intermittent headwater waterbody	Likely	Likely
NSI-97 Trib. to Catching Slough	12.45	Private	R4SBC	Riverine F/T	0.05	5.54	14.77	0.01	0.00	0.00	0.01	0.00	Small intermittent headwater tributary	Likely	Likely
NSI-98 Trib. to Catching Slough	12.52	Private	R4SBC	Riverine F/T	0.04	6.14	16.37	0.01	0.00	0.00	0.01	0.00	Small intermittent headwater tributary near BSP220	Likely	Likely
BSP-120 Trib. to Ross Slough	12.66	Private	R2SB3C	Riverine F/T	0.07	-	-	0.03	0.00	0.00	0.03	0.00	Spring-fed stream similar to BSP121	Likely	Likely
BSP-121 Trib. to Ross Slough	12.68	Private	R2SB3C	Riverine F/T	0.01	-	-	0.01	0.00	0.00	0.01	0.00	2' wide, V-shaped seep fed stream; 3% gradient	Likely	Likely
BSP-122 Trib. to Ross Slough	12.83	Private	R2SB3C	Riverine F/T	0.07	5.19	13.84	0.02	0.00	0.00	0.02	0.00	Spring-fed stream, flowing water	Likely	Likely
BSP-123 Trib. to Ross Slough	12.83	Private	R2SB3C	Riverine F/T	0.01	-	-	0.00	0.00	0.00	0.00	0.00	-15' wide, trapezoidal channel; 3% gradient	Likely	Likely
BSP-124 Trib. to Ross Slough	12.83	Private	R2SB3C	Riverine F/T	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Similar to BSP123	Likely	Likely
BSP-125 Trib. to Ross Slough	12.90	Private	R2SB3C	Riverine F/T	0.06	6.07	16.19	0.02	0.00	0.00	0.02	0.00	Spring-fed perennial drainage similar to BSP123	Likely	Likely
CSP-31 Trib. to Ross Slough	12.97	Private	R3UB1F	Riverine F/T	0.04	4.21	11.23	0.01	0.00	0.00	0.01	0.00	4' wide, 2-3" deep flow, 2-5% gradient	Likely	Likely
CSP-30 Trib. to Ross Slough	13.01	Private	R3UB1F	Riverine F/T	0.04	3.00	8.00	0.01	0.00	0.00	0.01	0.00	3' wide, 1-2" deep; 2-5% gradient	Likely	Likely
CSP-29 Trib. to Ross Slough	13.11	Private	R3UB1F	Riverine F/T	0.06	5.19	13.84	0.01	0.00	0.00	0.01	0.00	4' wide, 2-3" deep; 2-5% gradient	Likely	Likely
CSP-28 Ross Slough	13.55	Private	R3UB1F	Riverine F/T	0.05	4.85	12.93	0.01	0.00	0.00	0.01	0.00	4' wide, 2-3" deep, 2-5% gradient	Likely	Likely
CSP-27 Trib. to Ross Slough	13.61	Private	R3UB1F	Riverine F/T	0.03	3.00	8.00	0.01	0.00	0.00	0.01	0.00	5' wide, 2-3" deep slow water; 2-5% gradient	Likely	Likely
CSP-26 Trib. to Ross Slough	13.70	Private	R3UB1F	Riverine F/T	0.03	5.78	15.41	0.01	0.00	0.00	0.01	0.00	2' wide, 2-3" deep; 5-10% gradient	Likely	Likely
EDX-78 Boone Creek	15.71	Private	R3SBH	Riverine F/T	0.03	4.64	12.37	0.01	0.01	0.00	0.02	0.00	Boone Creek	Likely	Likely
EW-79	15.74	Private	PEMC	Slope/Flats	2.99	276.12	460.20	0.54	0.64	0.00	1.18	0.00	Agricultural wetland adjacent to Boone Creek	Likely	Likely
EDX-80 Trib. to Boone Creek	15.77	Private	R3WBH	Riverine F/T	0.05	4.10	10.93	0.01	0.00	0.00	0.01	0.00	Drainage ditch to Boone Creek	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
CSI-38 Trib. to Boone Creek	16.13	Private	R4SB3C	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	1' wide, <1" water depth	Likely	Likely
CSI-37 Trib. to Boone Creek	16.35	Private	R4SB3C	Slope/Flats	0.01	2.15	5.73	0.01	0.00	0.00	0.01	0.00	1' wide, 1" water depth	Likely	Likely
CSP-36 Trib. to Boone Creek	16.36	Private	R3UB1F	Riverine F/T	0.04	4.10	10.93	0.01	0.00	0.00	0.01	0.00	4' wide, 2-3" deep	Likely	Likely
CSI-35 Trib. to Boone Creek	16.39	Private	R4SB3C	Slope/Flats	0.03	3.26	8.69	0.01	0.00	0.00	0.01	0.00	1' wide, V-shaped channel, <1" water depth	Likely	Likely
CW-25	16.53	Private	PEMC	Slope/Flats	0.07	24.44	40.73	0.03	0.00	0.00	0.03	0.00	Small seep/spring wetland within Douglas fir forest	Likely	Likely
CSP-24 Trib. to Catching Creek	16.56	Private	R3UB1F	Riverine F/T	0.02	1.53	4.08	0.00	0.00	0.00	0.00	0.00	1.5' wide at OHWM, <2" deep; channel within ravine	Likely	Likely
CSP-23 Trib. to Catching Creek	16.62	Private	R3UB1F	Riverine F/T	0.03	3.08	8.21	0.01	0.00	0.00	0.01	0.00	3' wide at OHWM, <2" deep, slow water	Likely	Likely
CSP-22 Trib. to Catching Creek	16.71	Private	R3UB1F	Riverine F/T	0.02	2.34	6.24	0.00	0.00	0.00	0.00	0.00	2' wide, <1" deep	Likely	Likely
CSP-21 Trib. to Catching Creek	16.73	Private	R3UB1F	Riverine F/T	0.05	5.01	13.36	0.01	0.00	0.00	0.01	0.00	Ave.5' wide at OHWM, <2" deep; within ravine	Likely	Likely
CSP-20 Trib. to Catching Creek	16.78	Private	R3UB1F	Riverine F/T	0.04	5.81	15.49	0.01	0.00	0.00	0.01	0.00	Tributary to CSP18	Likely	Likely
CSP-19 Trib. to Catching Creek	16.82	Private	R3UB1F	Riverine F/T	0.03	3.00	8.00	0.01	0.00	0.00	0.01	0.00	3' wide at OHWM, U-shaped channel, <2" water depth	Likely	Likely
CSP-18 Trib. to Catching Creek	16.85	Private	R3UB1F	Riverine F/T	0.05	8.46	22.56	0.02	0.00	0.00	0.02	0.00	5' wide at OHWM, U-shaped channel, 0.5' water depth	Likely	Likely
Trib to Catching Creek (BLM 17.42)	17.42	BLM – Coos Bay District	R4SB	Riverine F/T	0.01	3.51	9.36	0.00	0.00	0.00	0.00	0.00	1' wide V-shaped intermittent stream fed by road drainage	Likely	Likely
CSP-33 Catching Creek	17.47	Private	R3UB1F	Riverine F/T	0.23	4.25	11.33	0.01	0.00	0.00	0.01	0.00	1' wide, 2-5% gradient; spring-fed stream	Likely	Likely
					Total	**25,436.19**	**71407.64**	**100.45**	**20.96**	**0.00**	**121.41**	**0.36**			
Coast Range Ecoregion, Coquille Sub-basin (HUC 17100305), Coquille River (HUC 1710030505) Fifth field Watershed [3], Coos County, Oregon															
CSP-32 Trib. to Cunningham Creek	17.87	Private	R3UB1F	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	1' wide, 2-5% gradient; spring-fed stream	Likely	Likely
BSP-92 Trib. to Cunningham Creek	18.20	Private	R3UB1H	Riverine F/T	0.02	2.33	6.21	0.00	0.00	0.00	0.00	0.00	2' wide perennial tributary	Likely	Likely

TABLE N-1a

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Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
BSP-93 Trib. to Cunningham Creek	18.28	Private	R2UB3H	Riverine F/T	0.01	1.35	3.60	0.00	0.00	0.00	0.00	0.00	1' wide headwater tributary	Likely	Likely
BSI-94 Trib. to Cunningham Creek	18.28	Private	R2UB3H	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	1' wide headwater tributary	Likely	Likely
BSP-95 Trib. to Cunningham Creek	18.33	Private	R2UB3H	Riverine F/T	0.01	1.38	3.68	0.00	0.00	0.00	0.00	0.00	Forested, V-shaped perennial stream	Likely	Likely
BSI-96 Trib. to Cunningham Creek	18.48	Private	R4SB3C	Riverine F/T	0.01	1.08	2.88	0.00	0.00	0.00	0.00	0.00	Broad V-Shaped, disturbed channel	Likely	Likely
NSP-42 Cunningham Creek	18.93	Private	R3SB1H	Riverine F/T	0.27	37.68	100.48	0.06	0.00	0.00	0.06	0.00	Cunningham Creek	Likely	Likely
NSP-43 Trib. to Cunningham Creek	19.06	Private	R3SB1H	Riverine F/T	0.26	24.58	65.55	0.06	0.00	0.00	0.06	0.00	Tributary to Cunningham Creek	Likely	Likely
					Total	**68.40**	**182.40**	**0.12**	**0.00**	**0.00**	**0.12**	**0.00**			
Coast Range Ecoregion, Coquille Sub-basin (HUC 17100305), North Fork Coquille River (HUC 1710030504) Fifth field Watershed [3], Coos County, Oregon															
ESI-28 Trib. to Steele Creek	20.34	BLM – Coos Bay District	R3SB1H	Riverine F/T	0.05	6.83	18.21	0.02	0.01	0.00	0.03	0.00	2-3' wide v-shaped channel, 6' deep, in 30 year old PSME forest, tributary to Steele Creek	Likely	Likely
ESI-28 Trib. to Steele Creek	20.59	BLM – Coos Bay District	R3SB1H	Riverine F/T	0.14	4.66	12.43	0.01	0.00	0.00	0.01	0.00	2-3' wide v-shaped channel, 6' deep, in 30 year old PSME forest, tributary to Steele Creek	Likely	Likely
DA-6 Trib. to Steele Creek	20.72	Private	R4SB	Riverine F/T	0.03	3.01	8.03	0.01	0.00	0.00	0.01	0.00	Small 1-3' wide headwater Stream Assumed	Likely	Likely
DA-7 Trib. to Steele Creek	20.79	Private	R4SB	Riverine F/T	0.01	1.51	4.03	0.00	0.00	0.00	0.00	0.00	Small 1-3' wide headwater Stream Assumed	Likely	Likely
DA-8 Trib. to Steele Creek	20.95	Private	R4SB	Riverine F/T	0.02	3.32	8.85	0.01	0.00	0.00	0.01	0.00	Small 1-3' wide headwater Stream Assumed	Likely	Likely
NSP-15 Steele Creek	21.10	Private	R3SB1H	Riverine F/T	0.26	12.10	32.27	0.03	0.00	0.00	0.03	0.00	Steele Creek, within forested area	Likely	Likely
DA-9 Trib. to Steele Creek	21.15	Private	R4SB	Riverine F/T	0.01	1.50	4.00	0.00	0.00	0.00	0.00	0.00	Small 1-3' wide headwater Stream Assumed	Likely	Likely
ESI-29 Trib. to Steele Creek	21.36	BLM – Coos Bay District	R3SB1H	Riverine F/T	0.04	3.13	8.35	0.01	0.00	0.0	0.00	0.00	3' wide incised intermittent stream in 30-40 year old PSME forest, tributary to Steele Creek.	Likely	Likely
DA-10X	22.72	Private	R4SBx	Riverine F/T	0.02	1.63	4.35	0.00	0.00	0.00	0.00	0.00	3' wide ditch	Likely	Likely

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Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
NW-40	22.78	Private	PEMC	Slope/Flats	0.18	22.59	37.65	0.05	0.01	0.00	0.06	0.00	Wetland	Likely	Likely
BSP-207 North Fork Coquille River	23.06	Private	R2UBH	Riverine F/T	0.20	20.66	55.09	0.04	0.00	0.00	0.04	0.00	N. Fork Coquille River, only flagged north bank, no access; 20' wide	Likely	Likely
CW-10	23.38	BLM - Coos Bay District	PFOC	Slope/Flats	0.62	173.67	289.45	0.38	0.00	0.00	0.38	0.12	Red alder dominated low area	Likely	Likely
BSI-137 Trib. to Middle Creek	27.01	BLM - Coos Bay District	R4SB3C	Riverine F/T	0.01	12.70	33.87	0.01	0.00	0.00	0.01	0.00	3-7' wide, parallel to BSI 136, ~10% gradient at top	Likely	Likely
BW-134	27.02	BLM - Coos Bay District	PEMC	Slope/Flats	0.06	-	-	0.03	0.00	0.00	0.03	0.00	Flat area; intermittent stream outfalls from wetland	Likely	Likely
BSP-133 Middle Creek	27.04	BLM - Coos Bay District	R2SB4H	Riverine F/T	0.46	64.99	173.31	0.13	0.00	0.00	0.13	0.00	Middle Creek-steep banks, 30-60' wide,< 2% gradient	Likely	Likely
BSI-135 Trib. to Middle Creek	27.03	BLM - Coos Bay District	R4SB3C	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Narrow intermittent drainage that starts at BW134, steep at top	Likely	Likely
					Total	**332.30**	**689.89**	**0.73**	**0.02**	**0.00**	**0.75**	**0.12**			
Coast Range Ecoregion, Coquille Sub-basin (HUC 17100305), East Fork Coquille River (HUC 1710030503) Fifth field Watershed [3], Coos County, Oregon															
BSP077 Trib. to E. Fork Coquille	28.86	Private	R3SB1F	Riverine F/T	0.14	19.36	51.63	0.03	0.00	0.00	0.03	0.00	Forested 1-8' wide stream; 30-40% gradient	Likely	Likely
NSI-99 Trib. to E. Fork Coquille	29.18	Private	R4UBC	Riverine F/T	0.06	7.48	19.95	0.02	0.00	0.00	0.02	0.00	Connects (extension of) BSI073	Likely	Likely
BSI-73 Trib. to E. Fork Coquille	29.48	Private	R3SB1H	Riverine F/T	0.09	13.47	35.95	0.02	0.00	0.00	0.02	0.00	1-5' wide intermittent feeder stream to BSP074.	Likely	Likely
BW-72	29.52	Private	PEMC	Slope/Flats	0.85	32.90	54.83	0.23	0.00	0.00	0.23	0.00	Pasture wetland fed by hillside seeps	Likely	Likely
BSI-76 Trib. to E. Fork Coquille	29.53	Private	R4SB1C	N/A	0.08	14.55	38.80	0.02	0.00	0.00	0.02	0.00	Intermittent stream connected to BSP74 outside corridor	Likely	Likely
BSP-71 East Fork Coquille River	29.88	Private	R3OWH	Riverine F/T	0.60	61.91	165.09	0.15	0.00	0.00	0.15	0.00	East Fork Coquille River	Likely	Likely
SS-003-007 Trib. to E. Fork Coquille	30.22	Private	R3SB3	Riverine F/T	0.29	21.81	45.24	0.05	0.00	0.00	0.05	0.00	3' wide ditch; drains agricultural field	Likely	Likely
BSI-70 Trib. to E. Fork Coquille	31.64	BLM - Coos Bay District	R4UB1C	Riverine F/T	0.01	1.16	3.09	0.00	0.00	0.00	0.00	0.00	1' wide, flows subsurface in areas	Likely	Likely
BSI-58 Trib. to E. Fork Coquille	32.40	Private	R4UB4C	Riverine F/T	0.13	-	-	0.00	0.00	0.00	0.00	0.00	1-2' wide, 20-40% gradient	Likely	Likely
BSP-57 Elk Creek	32.40	Private	R3RB2H	Riverine F/T	0.05	17.61	46.96	0.03	0.00	0.00	0.03	0.00	3-10' wide, 1-5% gradient stream at base of canyon	Likely	Likely
BSP-55 Trib. to Elk Creek	32.44	Private	R3SB1H	Riverine F/T	0.05	9.61	25.63	0.01	0.00	0.00	0.01	0.00	Elk Creek; 1-5% gradient; 1-5' wide	Likely	Likely

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BW-56 Trib. to Elk Creek	32.44	Private	PEMC	Slope/Flats	0.04	-	-	0.00	0.00	0.00	0.00	0.00	Wet depression at confluence of BSP55 and BSI53	Likely	Likely
BSI-53 Trib. to Elk Creek	32.47	Private	R4SB1C	Riverine F/T	0.04	-	-	0.00	0.00	0.00	0.00	0.00	Seep/runoff fed stream; 1-5' wide; 5-20% gradient	Likely	Likely
BSI-59 Trib. to Elk Creek	32.48	BLM - Coos Bay District/Private	R4UB4C	Riverine F/T	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Continues upslope from BSI58 beyond culvert under road	Likely	Likely
WW-222-008	32.52	Private	PUB	Depressional	0.10	-	-	0.00	0.00	0.00	0.00	0.00	Pond, feeds BSP055	Likely	Likely
BSP-49 Trib. to Elk Creek	32.99	Private	R3SB1C	Riverine F/T	0.06	2.34	6.24	0.01	0.00	0.00	0.01	0.00	10' average width; 2-3% gradient	Likely	Likely
BSP-50 Trib. to Elk Creek	33.02	Private	R3SB1C	Riverine F/T	0.01	-	-	0.00	0.00	0.00	0.00	0.00	2' average width; 2% gradient, trapezoidal channel, seep	Likely	Likely
CW-6	34.45	Private	PEMC	Slope/Flats	0.02	3.56	5.93	0.01	0.00	0.00	0.01	0.00	Similar to CW4, adjacent to Elk Creek	Likely	Likely
CSP-5 S. Fork Elk Creek	34.46	Private	R3SB1H	Riverine F/T	0.16	17.72	47.25	0.04	0.00	0.00	0.04	0.00	Elk Creek; 10-15' wetted width; <2% gradient	Likely	Likely
CW-4	34.46	Private	PEMC	Slope/Flats	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Fringe wetland associated with Elk Creek	Likely	Likely
BSI-251 Trib. to S. Fork Elk Creek	35.51	BLM - Coos Bay District	R4UB1J	Riverine F/T	0.05	4.00	10.67	0.01	0.00	0.00	0.01	0.00	Small 4' wide intermittent headwater tributary	Likely	Likely
					Total	**227.48**	**557.26**	**0.63**	**0.00**	**0.00**	**0.63**	**0.00**			
Coast Range Ecoregion, Coquille Sub-basin (HUC 17100305), Middle Fork Coquille River (HUC 1710030501) Fifth field Watershed [3], Coos County, Oregon															
BLM 35.87/ (CSP-2) Trib.to Big Creek	35.87	BLM - Coos Bay District	R4SB	Riverine F/T	0.01	1.50	4.00	0.00	0.00	0.00	0.00	0.00	Small intermittent headwater tributary, Crossing occurs within Elk Creek Road (BLM 28-11-29-0) and flows through a 12" culvert which will be replaced.	Likely	Likely
BLM 36.48 Trib. to Big Creek	36.48	BLM - Coos Bay District	R4SB	Riverine F/T	0.02	2.26	6.03	0.00	0.00	0.00	0.00	0.00	Small intermittent headwater tributary	Likely	Likely
GSI-25/BSI-253	36.54	BLM - Coos Bay District	R4UB1J	Riverine F/T	0.06	6.00	16.00	0.01	0.00	0.00	0.01	0.00	Intermittent stream, 4' average width	Likely	Likely
BLM 36.85 Trib. to Big Creek	36.85	BLM - Coos Bay District	R4SB	Riverine F/T	0.01	1.50	4.00	0.00	0.00	0.00	0.00	0.00	Small intermittent headwater tributary, Crossing occurs within Elk Creek Road (BLM 28-11-29-0) and flows through a 12-18" culvert which will be replaced.	Likely	Likely
BSI-252 Trib. to Big Creek	36.92	BLM - Coos Bay District	R4UB1J	Riverine F/T	0.03	3.00	8.00	0.01	0.00	0.00	0.01	0.00	Intermittent stream, 3' average width	Likely	Likely
ESI-19 Trib. to Big Creek	37.33	BLM - Coos Bay District	R4UB1J	Riverine F/T	0.06	6.72	17.92	0.01	0.00	0.00	0.01	0.00	Small 3' wide intermittent headwater tributary	Likely	Likely
ESP-20 Trib. to Big Creek	37.35	BLM - Coos Bay District	R3UB1H	Riverine F/T	0.15	10.97	29.25	0.03	0.00	0.00	0.03	0.00	10-15' wide broad U-shaped channel with cobble/silt substrate	Likely	Likely

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CW-1	43.63	Private	PEM/R4UB1Cx	N/A	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Small wet ditch west of logging road; wetland vegetation	Likely	Likely
BSP041 Upper Rock Creek	44.21	Private	R3UB1C	Riverine F/T	0.27	40.80	108.80	0.07	0.00	0.00	0.07	0.00	Unnamed perennial stream	Likely	Likely
CW-7	44.27	Private	PEMC	Slope/Flat	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Depressional area east of Rock Creek	Likely	Likely
					Total	**72.75**	**194.00**	**0.13**	**0.00**	**0.00**	**0.13**	**0.00**			
Klamath Mountains Ecoregion, Coquille Sub-basin (HUC 17100305), Middle Fork Coquille River (HUC 1710030501) Fifth field Watershed [3], Douglas County, Oregon															
S3-07 BW-38 (W3-01)	46.56	Private	PFO1	Riverine Imp.	0.06	39.58	65.97	0.08	0.00	0.00	0.08	0.03	Riverine impounding wetland adjacent to road, in clearcut	Likely	Likely
S3-06	48.21	Private	R4UB1	Riverine F/T	0.02	4.61	12.29	0.02	0.00	0.00	0.02	0.00	Roadside ditch, mostly vegetated.	Likely	Likely
BSP-257 Deep Creek	48.27	BLM - Roseburg District	R3UB1H	Riverine F/T	0.78	85.30	227.47	0.17	0.00	0.00	0.17	0.00	Broad perennial stream	Likely	Likely
W3-02	48.28	Private	PEM	Slope/Flat	0.06	-	-	0.00	0.00	0.00	0.00	0.00	PEM wetland in low topographic feature. Extends to southeast, off ROW.	Likely	Likely
BW-37	49.35	Private	PEM	Slope/Flat	0.04	-	-	0.00	0.00	0.00	0.00	0.00	Small emergent wetland adjacent to BW036 on bench 8-10' higher than BSP34	Likely	Likely
BSI-33 Trib to Wildcat Creek	49.38	Private	R4UB1C	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	2' wide, 4-6' deep ditch that flows into BSP34; 0-1% grade	Likely	Likely
BSP-34 Wildcat Creek	49.38	Private	R3RB2C	Riverine F/T	0.10	-	-	0.00	0.00	0.00	0.00	-	Wildcat Creek	Likely	Likely
BDX-32	49.94	Private	R4UB1Cx	N/A	0.04	-	-	0.00	0.00	0.00	0.00	-	1-5' wide U-shaped drainage ditch perpendicular to BDX31	Likely	Likely
BDX-31	50.02	Private	R4UB1Cx	N/A	0.03	3.50	9.33	0.01	0.00	0.00	0.01	0.00	3-5' wide trapezoidal drainage ditch along farm fence line	Likely	Likely
BSP-30 Middle Fork Coquille River	50.28	Private	R2OWH	Riverine F/T	0.38	45.14	120.37	0.08	0.00	0.00	0.08	0.00	Middle Fork Coquille River; 1-3% gradient, 15-25' wide	Likely	Likely
GDX-36 BSI-66/67 Trib. to Middle Fork Coquille	50.45	Private	R4UB3C	Riverine F/T	0.07	2.63	7.01	0.01	0.00	0.00	0.01	0.00	BSI066 Up to 1' wide. BSI067 continues to the rerouted alignment. 2-3' wide channel with upland forest species.	Likely	Likely
GSI-37/BSP-61 Trib. to Middle Fork Coquille	50.71	Private	R4UB1	Riverine F/T	0.07	5.60	14.93	0.01	0.00	0.00	0.01	0.00	3-10' wide stream in forest. Gravel substrate with 2-6" deep water	Likely	Likely
GSI-38 Trib to Middle Fork Coquille	51.02	BLM - Roseburg District	R4	Riverine F/T	0.06	4.02	10.72	0.01	0.00	0.00	0.01	0.00	Ephemeral drainage, no defined channel with vine maple and lady fern	Unlikely	Unlikely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
SS-222-006 Unnamed Stream	51.71	Private	R4UB	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Narrow ephemeral drainage, fed by upstream wetland outside of corridor..	Likely	Likely
GW-39	52.23	Private	PUB	Depressional	0.01	-	-	0.00	0.01	0.00	0.01	0.00	Small pond in borrow pit, likely man-made and isolated. Contains bentgrass, soft rush, and pennyroyal with some willows	Unlikely	Unlikely
					Total	**190.38**	**468.09**	**0.39**	**0.01**	**0.00**	**0.40**	**0.03**			
Klamath Mountains Ecoregion, South Umpqua Sub-basin (HUC 17100302), Olalla Creek-Lookingglass Cr (HUC 1710030212) Fifth field Watershed [3], Douglas County, Oregon															
BSI-202 Trib. to Shields Creek	55.90	Private	R4SB3C	Riverine F/T	0.38	55.38	147.68	0.14	0.00	0.00	0.14	0.00	Small ephemeral drainage in heavily grazed pasture	Likely	Likely
BSI-203 Trib. to Shields Creek	55.94	Private	R4SB3C	Riverine F/T	0.10	8.03	21.41	0.02	0.00	0.00	0.02	0.00	Intermittent stream, portions of which are grazed	Likely	Likely
BW-164	55.98	Private	PEMC	Slope/Flats	0.03	-	-	0.00	0.00	0.00	0.00	0.00	Depressional swale dominated by pennyroyal	Likely	Likely
DA-13 Trib to Shields Creek	56.28	Private	R4SB	Riverine F/T	0.01	1.50	4.00	0.00	0.00	0.00	0.00	0.00	Access denied – Waterbody assumed PNW Hydrography small 3-4' wide intermittent tributary	Likely	Likely
DA-14 Trib to Shields Creek	56.34	Private	R4SB	Riverine F/T	0.01	1.55	4.13	0.00	0.00	0.00	0.00	0.00	Access denied – Waterbody assumed PNW Hydrography small 3-4' wide intermittent tributary	Likely	Likely
DA-15 Trib to Shields Creek	56.69	Private	PFO	Slope/Flats	3.93	420.83	701.38	0.72	0.24	0.00	0.96	0.29	Access denied - Ash dominated wetland	Likely	Likely
BW-160	56.75	Private	PFOC	Slope/Flats	0.28	86.55	144.25	0.14	0.13	0.00	0.27	0.06	Adjacent to BW161, separated by a gravel road	Likely	Likely
BW-161	56.78	Private	PFOC	Slope/Flats	0.57	71.16	118.60	0.09	0.10	0.00	0.19	0.05	Ash dominated wetland	Likely	Likely
BW-162	56.83	Private	PFO/PEMC	Slope/Flats	0.42	98.88	164.80	0.24	0.00	0.00	0.24	0.07	Spring-fed wetland with forested and emergent portions	Likely	Likely
BW-163	56.97	Private	PFO/PEMC	Slope/Flats	2.73	573.75	956.25	1.20	0.13	0.00	1.33	0.40	Continuation of BW162 on east side of driveway	Likely	Likely
BSI-139	57.02	Private	R4SB1C	Riverine F/T	0.02	-	-	0.00	0.00	0.00	0.00	0.00	Narrow int drain that joins BSI 138; < 2% gradient	Likely	Likely
BSI-140 Trib. Olalla Creek	57.11	Private	R4SB1C	Riverine F/T	0.04	4.52	12.05	0.01	0.00	0.00	0.01	0.00	Narrow intermittent drain that joins BSI 138; <2% gradient	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
BSI-140 Trib. Olalla Creek	57.14	Private	R4SB1C	Riverine F/T	0.03	2.01	5.36	0.00	0.00	0.00	0.00	0.00	Narrow intermittent drain that joins BSI 138; <2% gradient	Likely	Likely
BW-142	57.18	Private	PEMC	Slope/Flats	0.34	143.57	239.28	0.24	0.02	0.00	0.26	0.00	Seep-fed wetland on gentle slope above BW141	Likely	Likely
BW-141	57.25	Private	PEMC	Slope/Flats	1.10	-	-	0.00	0.02	0.00	0.02	0.00	Depressional area in field, compacted soils	Likely	Likely
BSI-138 Trib. to Olalla Creek	57.31	Private	R4SB1C	Riverine F/T	0.15	5.03	13.41	0.01	0.00	0.00	0.01	0.00	2-10' wide, <2% gradient, incised channel	Likely	Likely
BDX-143	57.35	Private	R4UB1Cx	N/a	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Roadside ditch, <1' wide; <2% gradient	Likely	Likely
BW-144	57.41	Private	PEMC	Slope/Flats	0.50	-	-	0.00	0.00	0.00	0.00	0.00	Slight depressional feature in agricultural field	Likely	Likely
BW-145	57.46	Private	PEMC	Slope/Flats	0.04	-	-	0.03	0.00	0.00	0.03	0.00	Very small swale, connected to BW146	Likely	Likely
BW-146	57.48	Private	PEMC	Slope/Flats	0.13	-	-	0.00	0.00	0.00	0.00	0.00	Adjacent to ash swale, low corner of field	Likely	Likely
BSI-147/EE-12 Trib. to Olalla Creek	57.84	Private	R4SB3C	Riverine F/T	0.04	4.26	11.36	0.01	0.00	0.00	0.01	0.00	3-12' (average 4') wide, incised. Banks to 5' high. Cobble/gravel	Likely	Likely
BDX-148	57.97	Private	R4UB3Cx	N/A	0.01	1.20	3.20	0.00	0.00	0.00	0.00	0.00	1' wide irrigation canal	Likely	Likely
BW-150	58.07	Private	PEMC	Slope/Flats	1.19	87.58	145.97	0.26	0.03	0.00	0.29	0.00	Along edge of corridor, connects to BSI151	Likely	Likely
BSI-151 Trib. to Olalla Creek	58.20	Private	R4SB3C	Riverine F/T	0.03	3.06	8.16	0.01	0.00	0.00	0.01	0.00	2-3' wide, <5% gradient, U-shaped channel	Likely	Likely
BDX-157	58.30	Private	R4UB3Cx	Riverine F/T	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Irrigation ditch		
BSP-152 Olalla Creek	58.35	Private	R2SB3H	Riverine F/T	0.06	-	-	0.00	0.00	0.00	0.00	0.00	Olalla Creek	Likely	Likely
BW-158	58.42	Private	PEMC	Slope/Flats	1.57	240.51	400.85	0.54	0.05	0.00	0.59	0.00	Low area receives hydrology from irrigation	Likely	Likely
BW-156	58.49	Private	PEMC	Slope/Flats	0.10	-	-	0.00	0.00	0.00	0.00	0.00	Bowl-shaped depression adjacent to Olalla Creek	Likely	Likely
BDX-157	58.51	Private	R4UB3Cx	N/A	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Irrigation ditch, dissipates in an saturated upland area	Likely	Likely
BSP-159 Trib. to Olalla Creek	58.55	Private	R2SB1H	Riverine F/T	0.19	10.60	28.27	0.03	0.00	0.00	0.03	0.00	Overflow channel of Olalla Creek, ends abruptly in a pool	Likely	Likely
BSP-155 Olalla Creek	58.78	Private	R2SB1H	Riverine F/T	1.82	77.90	207.73	0.17	0.00	0.00	0.17	0.00	Olalla Creek; <5% gradient, 50' wide at TOB	Likely	Likely
BW-154	58.98	Private	PEMC	Slope/Flats	1.43	222.59	370.98	0.51	0.05	0.00	0.56	0.00	100' west of BDX153, similar to BW146	Likely	Likely
BDX-153	59.02	Private	R4UB1Cx	N/A	0.04	3.49	9.31	0.01	0.00	0.00	0.01	0.00	2-4' wide, 2-3' deep ditch	Likely	Likely
BSI-132 Trib. to Olalla Creek	59.29	Private	R4SB3C	Riverine F/T	0.09	8.65	23.07	0.02	0.00	0.00	0.02	0.00	Mostly <2% gradient, deeply incised, 2-8' wide	Likely	Likely
BW-131	59.53	Private	PEMC	Slope/Flats	0.07	-	-	0.00	0.00	0.00	0.00	0.00	Hillside wetland fed by culvert under log road	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
BW-130	59.56	Private	PEMC	Slope/Flats	0.04	-	-	0.04	0.00	0.00	0.04	0.00	Small seep wetland at farm road cut and below	Likely	Likely
BSI-129 Trib. to Olalla Creek	59.65	Private	R4SB3C	Riverine F/T	0.15	18.72	49.92	0.03	0.00	0.00	0.03	0.00	< 2% gradient, cobble/gravel, 6-12' wide, mostly dry	Likely	Likely
BW-128	59.85	Private	PEMC	Slope/Flats	0.28	-	-	0.00	0.00	0.00	0.00	0.00	Seep wetland within swale/bowl-shaped depression	Likely	Likely
BW-127	59.93	Private	PEMC	Slope/Flats	1.06	120.18	200.30	0.25	0.03	0.00	0.28	0.00	Seep-fed subtle swale, connects to BW126; heavily grazed	Likely	Likely
BW-126	60.01	Private	PEMC	Slope/Flats	0.06	7.04	11.73	0.01	0.00	0.00	0.01	0.00	Swale-like wetland dominated by pennyroyal	Likely	Likely
NSP-14 Trib. to McNabb Creek	60.13	Private	R3SB1H	Riverine F/T	0.06	6.01	16.03	0.01	0.00	0.00	0.01	0.00	Forested tributary to McNabb Creek	Likely	Likely
NSP-13 McNabb Creek	60.48	Private	R3SB1H	Riverine F/T	0.13	10.96	29.23	0.03	0.00	0.00	0.03	0.00	McNabb Creek	Likely	Likely
					Total	**2295.51**	**4048.71**	**4.77**	**0.80**	**0.00**	**5.57**	**0.87**			
Klamath Mountains Ecoregion, South Umpqua Sub-basin (HUC 17100302), Clark Branch-South Umpqua River (HUC 1710030211) Fifth field Watershed [3], Douglas County, Oregon															
BSP-240 Kent Creek	63.97	Private	R2UB1H	Riverine F/T	0.45	61.66	164.43	0.12	0.00	0.00	0.12	0.00	Kent Creek, broad stream	Likely	Likely
BSI-241 Trib. to Kent Creek	63.97	Private	R4UB1J	Riverine F/T	0.03	-	-	0.01	0.00	0.00	0.01	0.00	Tributary to Kent Creek	Likely	Likely
S2-08 Trib. to Rice Creek	65.70	Private	R4UB1J	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Ephemeral drainage thickly vegetated.		
BSP-227 Rice Creek	65.76	Private	R3SB1H	Riverine F/T	0.35	84.56	225.49	0.09	0.00	0.00	0.09	0.00	Rice Creek	Likely	Likely
BW-229	65.83	Private	PEMC	Slope/Flats	0.01	17.51	29.18	0.01	0.00	0.00	0.01	0.00	Small, emergent wetland near road	Likely	Likely
BSI-228 Trib to Rice Creek	65.83	Private	R4SB1J	Riverine F/T	0.01	-	-	0.00	0.00	0.00	0.00	0.00	1' wide tributary to Rice Creek	Likely	Likely
BSI-230 Trib. to Willis Creek	66.87	Private	R4SB1J	Riverine F/T	0.06	-	-	0.02	0.01	0.00	0.03	0.00	2' wide intermittent tributary to BSP-168	Likely	Likely
BSP-168 Willis Creek	66.95	Private	R3SB1C	Riverine F/T	0.69	58.30	155.47	0.14	0.00	0.00	0.14	0.00	Willis Creek, 30-50' wide	Likely	Likely
BSI-169 Trib. to Willis Creek	67.00	Private	R4SB3J	Riverine F/T	0.04	3.38	9.01	0.01	0.00	0.00	0.01	0.00	Intermittent tributary to Willis Creek, confluence at MP 65.45	Likely	Likely
SS-005-004	68.97	Private	R4	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Intermittent stream. Inaccessible due to blackberry thickets	Likely	Likely
SS-005-003	68.98	Private	R4	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Intermittent stream. Inaccessible due to blackberry thickets	Likely	Likely
SS-005-005	69.01	Private	R4	Riverine F/T	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Intermittent stream. Inaccessible due to blackberry thickets	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
SS-005-002	69.09	Private	R4	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Intermittent stream. Inaccessible due to blackberry thickets	Likely	Likely
SS-100-011 Trib. to S. Umpqua	69.10	Private	R4	Riverine F/T	0.02	-	-	0.00	0.00	0.00	0.00	0.00	Intermittent stream	Likely	Likely
WW-004-005	69.25	Private	PEM	Slope/Flats	0.19	20.09	33.48	0.02	0.00	0.00	0.02	0.00	Seep fed wetland in floodplain of stream.	Likely	Likely
SS-100-012 Trib. to S. Umpqua	69.29	Private	R4	Riverine F/T	0.06	5.46	14.56	0.01	0.00	0.00	0.01	0.00	Perennial stream	Likely	Likely
SS-100-013 Trib. to S. Umpqua	69.35	Private	R4	Riverine F/T	0.10	10.49	27.97	0.02	0.00	0.00	0.02	0.00	Perennial stream	Likely	Likely
SS-100-014 Trib. to S. Umpqua	69.57	Private	R4	Riverine F/T	0.36	13.00	37.67	0.02	0.02	0.00	0.04	0.00	2'to 3' foot wide headwater tributary	Likely	Likely
WW-005-001	70.74	Private	PEM	Slope/Flats	0.03	-	-	0.00	0.00	0.00	0.00	0.00	Wetland on hillslope, possibly spring fed. Flows to stock pond and intermittent stream.	Likely	Likely
H5-01	70.75	Private	PEM	Slope/Flats	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Wetland	Likely	Likely
SS-999-001	70.79	Private	R4	Riverine F/T	0.08	-	-	0.00	0.00	0.00	0.00	0.00	small intermittent tributary	Likely	Likely
WW-005-002	71.08	Private	PEM	Slope/Flats	0.1	-	-	0.02	0.27	0.00	0.29	0.00	Wetland on hillslope.	Likely	Likely
SS-100-015 Trib. to S. Umpqua	71.08	Private	R4	Riverine F/T	0.15	26.73	71.28	0.08	0.07	0.00	0.15	0.00	Small intermittent tributary	Likely	Likely
WW-005-003	71.12	Private	PEM	Slope/Flats	0.01	-	-	0.01	0.00	0.00	0.01	0.00	Wetland is located in a small man made diversion ditch, approximately 3-4' deep.	Likely	Likely
BSP-26 South Umpqua River [5]	71.30	Private	R3OWH	Riverine F/T	1.82	- [5]	- [5]	0.00	0.03	0.00	0.03	0.00	South Umpqua River Direct Pipe Crossing	Likely	Likely
SS-005-007	71.34	Private	R4	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Intermittent stream, obscured by blackberry thickets.	Likely	Likely
WW-100-004	71.37	Private	PSS1C	Slope/Flats	0.20	-	-	0.00	0.20	0.00	0.20	0.00	Wetland	Likely	Likely
SS-100-016 Trib. to S. Umpqua	71.37	Private	R4	Riverine F/T	0.01	-	-	0.00	0.00	0.01	0.01	0.00	Intermittent stream	Likely	Likely
WW-005-004	71.41	Private	PEM	Slope/Flats	0.12	-	-	0.01	0.00	0.00	0.01	0.00	Wetland on hillslope, likely spring fed	Likely	Likely
EDX-02	71.42	Private	R4	Riverine F/T	0.06	6.98	11.63	0.01	0.00	0.00	0.01	0.00	Ditch	Likely	Likely
SS-100-017 Trib. to S. Umpqua	71.69	Private	R4	Riverine F/T	0.05	-	-	0.01	0.00	0.00	0.01	0.00	Small intermittent headwater tributary	Likely	Likely
WW-005-005	72.76	Private	PEM	Slope/Flats	0.04	-	-	0.00	0.00	0.00	0.00	0.00	Wetland in natural depression surrounded by steep topography	Likely	Likely
SS-100-019 Trib. to S. Umpqua	72.96	Private	R4	R4UB3Cx	0.05	4.28	11.41	0.01	0.00	0.00	0.01	0.00	2'to 3' foot wide headwater tributary	Likely	Likely
SS-100-020 Trib. to S. Umpqua	73.41	Private	R4UB3Cx	R4UB3Cx	0.07	9.77	26.05	0.03	0.00	0.00	0.03	0.00	Intermittent stream.	Likely	Likely
SS-100-021 Trib. to S. Umpqua	73.48	Private	R4SBA	Riverine F/T	0.12	22.74	60.64	0.04	0.00	0.00	0.04	0.00	2'to 3' foot wide headwater tributary	Likely	Likely
WW-005-007	73.49	Private	PSS	Slope/Flats	0.03	-	-	0.00	0.00	0.00	0.00	0.00	Shrub dominated wetland	Likely	Likely

TABLE N-1a

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Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
WW-005-006	73.60	Private	PEM	Slope/Flats	0.50	8.19	13.65	0.06	0.00	0.00	0.06	0.00	Wetland in mostly old channel with small PSS component. Narrow part ransected by road	Likely	Likely
SS-005-010	73.63	Private	R3SB3	Riverine F/T	0.03	4.18	11.15	0.01	0.00	0.00	0.01	0.00	3' wide perennial stream	Likely	Likely
WW-004-004	73.75	Private	PEM	Slope/Flats	0.27	80.48	134.13	0.07	0.00	0.00	0.07	0.00	Rush dominated wetland.	Likely	Likely
SS-004-003	74.02	Private	R3	Riverine F/T	0.05	6.85	18.27	0.02	<0.01	0.00	0.02	0.00	Perennial stream adjoining wetland WW-005-006	Likely	Likely
WW-100-005	74.03	Private	PEM	Slope/Flats	0.21	23.14	38.57	0.05	0.00	0.00	0.05	0.00	Wetland	Likely	Likely
WW-004-002	74.03	Private	PEM	Slope/Flats	0.03	-	-	0.00	0.00	0.00	0.00	0.00	Wetland fed by stream SS-004-002	Likely	Likely
SS-100-022 Trib. to Richardson Creek	74.03	Private	R4	Riverine F/T	0.02	-	-	0.00	0.00	0.00	0.00	0.00	2'to 3' foot wide headwater tributary	Likely	Likely
SS-004-001	74.06	Private	R4	NA	0.03	5.49	14.64	0.01	0.00	0.00	0.01	0.00	Channelized ditch to stock pond area	Likely	Likely
WW-100-006	74.16	Private	PEM1A	Slope/Flats	2.25	370.17	616.95	0.81	0.00	0.00	0.81	0.00	Wetland	Likely	Likely
					Total	**843.45**	**1725.63**	**1.72**	**0.60**	**0.01**	**2.33**	**0.00**			
Klamath Mountains Ecoregion, South Umpqua Sub-basin (HUC 17100302), Myrtle Creek (HUC 1710030210) Fifth field Watershed [3], Douglas County, Oregon															
BSP-1 Bilger Creek	76.38	Private	PFO1A	Riverine F/T	0.06	6.30	16.80	0.01	0.00	0.00	0.01	<0.01	Bilger Creek	Likely	Likely
BW-2	76.69	Private	PEMC	Slope/Flats	0.13	36.47	60.78	0.08	0.03	0.00	0.11	0.00	Wet meadow	Likely	Likely
BW-258	77.62	Private	PEMC	Slope/Flats	0.48	489.50	82.50	0.08	0.00	0.00	0.08	0.00	Seep/spring fed wetland	Likely	Likely
BW-4	77.63	Private	PEMC	Slope/Flats	0.02	-	-	0.00	0.00	0.00	0.00	0.00	Seep/spring fed wetland	Likely	Likely
BW-5	77.66	Private	PEMC	Slope/Flats	0.05	46.88	78.13	0.05	0.00	0.00	0.05	0.00	Seep/spring fed wetland	Likely	Likely
BSP-6 Little Lick	77.71	Private	PSS1C	Riverine F/T	0.25	7.86	20.96	0.02	0.00	0.00	0.02	<0.01	Little Lick Creek, heavily vegetated	Likely	Likely
BW-7	77.86	Private	PEMC	Slope/Flats	0.03	-	-	0.00	0.00	0.00	0.00	0.00	Adjacent to Little Lick Creek	Likely	Likely
BSI-8 Trib. to Little Lick Creek	77.93	Private	R3SB1H	Riverine F/T	0.06	11.68	31.15	0.03	0.01	0.00	0.04	0.00	Tributary to Little Lick Creek	Likely	Likely
BL-9	77.94	Private	PUB3C	Depressional	0.03	-	-	0.00	0.00	0.00	0.00	0.00	Pond in tributary to Little Lick Creek	Likely	Likely
BSI-10 Trib. to Little Lick Creek	78.02	Private	R4SB3C	Riverine F/T	0.03	2.01	5..36	0.00	0.02	0.00	0.02	0.00	Tributary to Little Lick Creek	Likely	Likely
BW-11	78.05	Private	PEMC	Slope/Flats	0.09	63.54	105.97	0.09	0.00	0.00	0.09	0.00	Seep/spring fed wetland	Likely	Likely
BSI-12	78.29	Private	R4SB3C	Riverine F/T	0.05	-	-	0.00	0.00	0.00	0.00	0.00	Tributary to Little Lick Creek (same as BSI010)	Likely	Likely
NSP-37 North Myrtle Creek	79.12	Private	R3SB1H	Riverine F/T	0.31	47.99	127.97	0.08	0.00	0.00	0.08	0.00	Myrtle Creek	Likely	Likely
NSP-38 Trib. to North Myrtle Creek	79.15	Private	R3SB1H	Riverine F/T	0.08	8.00	21.33	0.02	0.02	0.00	0.04	0.00	Tributary to NSP37 (Myrtle Creek)	Likely	Likely
BSP-172 South Myrtle Creek	81.19	Private	R3OWH	Riverine F/T	0.57	65.61	174.96	0.12	0.00	0.00	0.12	0.00	South Myrtle Creek	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
BSP259 Trib. to S. Myrtle Creek	81.38	Private	R4SB3J	Riverine F/T	0.02	1.71	4.56	0.00	0.00	0.00	0.00	0.00	Trib. to S. Myrtle Creek	Likely	Likely
BW-173	81.39	Private	PEMC	Slope/Flats	0.05	-	-	0.02	0.00	0.00	0.02	0.00	Seasonal emergent wetland	Likely	Likely
SS-100-023 Trib. to S. Myrtle Creek	81.45	Private	R4SBA	Riverine F/T	0.31	-	-	0.00	0.11[6]	0.00	0.11[6]	0.00	Small intermittent tributary	Likely	Likely
SS-100-024 Trib. to S. Myrtle Creek	81.78	Private	R4	Riverine F/T	0.2	-	-	0.00	0.00	0.00	0.00	0.00	Headwater tributary Intermittent	Likely	Likely
					Total	**787.55**	**725.11**	**0.60**	**0.19**	**0.00**	**0.79**	**0.00**			
Klamath Mountains Ecoregion, South Umpqua Sub-basin (HUC 17100302), Days Creek-South Umpqua River (HUC 1710030205) Fifth field Watershed [3, 4], Douglas County, Oregon															
BSP-226 Wood Creek	84.17	Private	R3SBH	Riverine F/T	0.08	8.22	21.92	0.02	0.00	0.00	0.02	0.00	Wood Creek	Likely	Likely
EW-24	84.23	Private	PEMC	Slope/Flats	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Small wetland at base of slope between slope and roadbed	Likely	Likely
EW-25	84.23	Private	PEMC	Slope/Flats	0.03	-	-	0.00	0.03	0.00	0.03	0.00	Unnamed tributary to Woods Creek with PEM features	Likely	Likely
EW-26	84.23	Private	PEMC	Slope/Flats	0.01	-	-	0.00	0.01	0.00	0.01	0.00	Small, slightly depressional wetland at base of slope.	Likely	Likely
BSI-236 Trib. to Fate Creek	88.20	Private	R4SB1J	Riverine F/T	0.03	6.07	16.19	0.02	0.01	0.00	0.03	0.00	Intermittent stream, flows into BW237	Likely	Likely
BW-239	88.22	Private	PEMC	Slope/Flats	0.13	-	-	0.00	0.00	0.00	0.00	0.00	Emergent wetland associated with BSI238	Likely	Likely
BW-237	88.24	Private	PEMC/PSSC	Slope/Flats	0.06	-	-	0.00	0.00	0.00	0.00	0.00	Emergent/scrub-shrub wetland associated with BSI238	Likely	Likely
BSI-238 Trib. to Fate Creek	88.24	Private	R4SB1J	Riverine F/T	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Forested drainage along roadside	Likely	Likely
BSP-232 Fate Creek	88.48	Private	R3SB1H	Riverine F/T	0.19	12.11	32.29	0.03	0.00	0.00	0.03	0.00	Fate Creek, flows into Days Creek	Likely	Likely
BSP-233 Days Creek	88.60	Private	R3SB1H	Riverine F/T	1.00	58.99	157.31	0.10	0.00	0.01	0.11	0.00	Days Creek	Likely	Likely
					Total	**85.39**	**227.71**	**0.17**	**0.05**	**0.01**	**0.23**	**0.00**			
Cascades Ecoregion, South Umpqua Sub-basin (HUC 17100302), Days Creek-South Umpqua River (HUC 1710030205) Fifth field Watershed [3, 4], Douglas County, Oregon															
ASP303 Saint John Creek	92.62	Private	R3RB2H	Riverine F/T	0.14	14.72	39.25	0.03	0.00	0.00	0.03	0.00	St. John's Creek	Likely	Likely
AW-197	94.51	Private	PEMC	Slope/Flats	1.06	233.72	389.53	0.31	0.03	0.00	0.34	0.00	Pennyroyal dominated seasonal wetland	Likely	Likely
H3-01	94.60	Private	L2	Lacustrine	1.95	-	-	0.00	0.00	0.00	0.00	0.00	Pond	Likely	Likely
H3-02	94.60	Private	L2	Lacustrine	1.32	-	-	0.00	0.00	0.00	0.00	0.00	Pond	Likely	Likely
H3-03	94.60	Private	L2	Lacustrine	0.13	-	-	0.00	0.00	0.00	0.00	0.00	Pond	Likely	Likely
ASP-196 South Umpqua River	94.74	Private	R2OWH	Riverine F/T	0.90	97.65	260.40	0.21	0.36	0.00	0.58	0.00	S. Umpqua River, ~160' wide, 1% gradient	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
ASI-193 Trib. to S. Umpqua River	94.85	Private	R4SB3C	Riverine F/T	0.18	15.28	40.75	0.03	0.00	0.00	0.03	0.00	Tributary to S. Umpqua River, 5-10' wide, 5% gradient	Likely	Likely
AW-195	94.88	Private	PEMC	Slope/Flats	0.13	98.47	164.12	0.11	0.01	0.00	0.12	0.00	Adjacent and similar to AW194, connects to ASI193	Likely	Likely
AW-194	94.96	Private	PEMC	Slope/Flats	0.46	2.50	4.17	0.06	0.03	0.00	0.09	0.00	Adjacent to ASI193	Likely	Likely
ASI191 (ASI-193) Trib. to S. Umpqua River	95.03	Private	R4SB3C	Riverine F/T	0.15	10.74	28.64	0.02	0.00	0.00	0.02	0.00	Tributary to S. Umpqua River, 5-10' wide, 5% gradient	Likely	Likely
ASI-190 Trib. to S. Umpqua River	98.46	BLM - Roseburg District	R4SB1	Riverine F/T	0.09	9.20	24.53	0.02	0.00	0.00	0.02	0.00	v-shaped ditch, 2-4' wide, 25-70% gradient	Likely	Likely
					Total	**482.28**	**951.39**	**0.79**	**0.43**	**0.00**	**1.22**	**0.00**			
Cascades Ecoregion, South Umpqua Sub-basin (HUC 17100302), Upper Cow Creek (HUC 1710030206) Fifth field Watershed [3], Douglas County, Oregon															
WWW-003-005	102.21	BLM - Roseburg District	PEM	Slope/Flats	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Wetland on old road, in concave depression	Likely	Likely
CW-55	103.90	Private	PEMC	Slope/Flats	0.98	93.95	156.58	0.21	0.00	0.00	0.21	0.00	Swale-like depression south of centerline	Likely	Likely
CDX-50	105.39	Forest Service - Umpqua NF	R4UB3Cx	N/A	0.05	45.38	121.01	0.03	0.00	0.00	0.03	0.00	1-4' wide roadside ditch, 20% gradient; extends off-site	Likely	Likely
CDX-49	106.77	Forest Service - Umpqua NF	R4UB3Cx	N/A	0.01	-	-	0.00	0.00	0.00	0.00	0.00	1-2' wide, 2-5' bankfull; 5-10% gradient	Likely	Likely
CDX-47	108.08	Forest Service - Umpqua NF	R4UB3Cx	N/A	0.04	3.19	8.51	0.01	0.00	0.00	0.01	0.00	2' wide roadside ditch, 5-10% gradient; dissipates in forest	Likely	Likely
CDX-48	108.40	Forest Service - Umpqua NF	R4UB3Cx	N/A	0.02	7.12	18.99	0.01	0.00	0.00	0.01	0.00	2' wide roadside ditch; 10% gradient	Likely	Likely
GDX-15	109.13	Forest Service - Umpqua NF	R4	N/A	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Connects to GW014. 2' wide ditch – GW014 adjacent to ROW	Likely	Likely
GW-14/FS-HF-C WWW-111-001 Trib to East Fork Cow Creek	109.15 109.17	Forest Service - Umpqua NF	PSS/PEM	Slope	0.45	47.21	114.86	0.11	0.05	0.00	0.16	<0.01	Seep wetland with shrubs, crosses road and continues on. USFS considers this wetland as a perennial stream.	Likely	Likely
FS-HF-D	109.25	Forest Service - Umpqua NF	R4	Riverine F/T	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Intermittent stream on FS land	Likely	Likely
FS-HF-E	109.29	Forest Service - Umpqua NF	PEM	Slope	0.03	-	-	0.00	0.00	0.00	0.00	0.00	Skunk cabbage seep wetland on FS land	Likely	Likely
GW-17	109.32	Forest Service - Umpqua NF	PFO	Slope	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Forested wetland seep	Likely	Likely
GSI-16/FS-HF-F Trib. to East Fork Cow Creek	109.33	Forest Service - Umpqua NF	R4	Riverine F/T	0.06	6.43	17.15	0.01	0.00	0.00	0.01	0.00	3' wide intermittent stream	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
GW-18/FS-HF-L	109.43	Forest Service - Umpqua NF	PEM	Slope	0.05	-	-	0.00	0.00	0.00	0.00	0.00	Wetland Seep	Likely	Likely
GW-21/FS-HF-H	109.47	Forest Service - Umpqua NF	PEM	Slope	0.28	-	-	0.01	0.00	0.00	0.01	0.00	Emergent wetland seep, connects to GSP019	Likely	Likely
GSP-19/FS-HF-G/ASP-297 East Fork Cow Creek	109.47	Forest Service - Umpqua NF	R3UB1	Riverine F/T	0.26	34.44	91.84	0.06	0.00	0.00	0.06	0.00	Cow Creek – 28' wide, broad, cobbles, boulders, 2' wide	Likely	Likely
GW-20	109.49	Forest Service - Umpqua NF	PEM	Slope	0.05	-	-	0.00	0.00	0.00	0.00	0.00	Emergent wetland seep	Likely	Likely
GSP-22/FS-HF-M/ASP-297 Trib. to East Fork Cow Creek	109.69	Forest Service - Umpqua NF	R2	Riverine F/T	0.04	-	-	0.00	0.01	0.00	0.01	0.00	Same as previous feature ASP297. Cow Creek - 20' wide	Likely	Likely
FS-HF-J Trib. to East Fork Cow Creek	109.69	Forest Service - Umpqua NF	R4	Riverine F/T	0.07	10.27	27.39	0.02	0.00	0.00	0.02	0.00	Perennial stream on FS land, - Willow dominated wetland	Likely	Likely
FS-HF-M Trib. to East Fork Cow Creek	109.69	Forest Service - Umpqua NF	R4	Riverine F/T	0.02	-	-	0.00	0.00	0.00	0.00	0.00	Perennial stream on FS land	Likely	Likely
FS-HF-K Trib. to East Fork Cow Creek	109.78	Forest Service - Umpqua NF	R4	Riverine F/T	0.09	4.36	11.63	0.01	0.00	0.00	0.01	0.00	Perennial stream on FS land, Willow dominated wetland	Likely	Likely
					Total	**252.35**	**567.96**	**0.48**	**0.06**	**0.00**	**0.54**	**0.00**			
Cascades Ecoregion, South Umpqua Sub-basin (HUC 17100302), Upper Cow Creek (HUC 1710030206) Fifth field Watershed [3], Jackson County, Oregon															
ESI-68/FS-HF-N Trib. to East Fork Cow Creek	110.98	Forest Service - Umpqua NF	R4SB1H	Riverine F/T	0.14	13.97	37.25	0.02	0.02	0.00	0.04	0.00	Ephemeral drainage, U-shaped, cobble 1-2' wide	Unlikely	Unlikely
					Total	**13.97**	**37.25**	**0.02**	**0.02**	**0.00**	**0.04**	**0.00**			
Cascades Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Trail Creek (HUC 1710030706) Fifth field Watershed [3], Jackson County, Oregon															
ESI-68 Trib. to W. Fork Trail Creek	110.57	Forest Service - Umpqua NF	R4SB1H	Riverine F/T	0.01	-	-	0.00	0.01	0.00	0.01	0.00	Ephemeral drainage from snowmelt, broad u-shaped cobble 1-2' wide.	Unlikely	Unlikely
EW-69 Trib to W. Fork Trail Creek	110.57	Forest Service - Umpqua NF	PUB3C	Slope/Flats	0.07	-	-	0.00	0.07	0.00	0.07	0.00	1-2' deep pond in borrow pit.	Likely	Likely
ASP-202 West Fork Trail Creek	118.89	Private	R2SB1H	Riverine F/T	0.33	24.29	64.77	0.04	0.00	0.00	0.04	0.00	Trail Creek; 30-40' wide, 2-3% gradient	Likely	Likely
DA-16 Trib to Trail Creek	119.90	Private	R4SB	R4SB1H	0.04	-	-	0.01	0.00	0.00	0.01	0.00	Intermittent tributary to Trail Creek. Standing water in few small isolated ponds.	Likely	Likely
NSP-11 Canyon Creek	120.45	BLM - Medford District	R4SB1H	Riverine F/T	0.05	6.61	17.63	0.01	0.00	0.00	0.01	0.00	Canyon Creek	Likely	Likely
AW-204	120.83	Private	PEMC	Slope/Flats	0.35	27.89	46.48	0.05	0.00	0.00	0.05	0.00	Spikerush dominated emergent wetland near Canyon Creek	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
AL-203	120.86	Private	PUBYx	Depressional	0.09	-	-	0.00	0.00	0.00	0.00	0.00	Spring fed stock pond adjacent to Canyon Creek	Likely	Likely
ASI-205 Trib. to Trail Creek	120.92	Private	R4UBC	Riverine F/T	0.09	6.39	17.04	0.01	0.00	0.00	0.01	0.00	4-6' wide, U-shaped channel; 4-5% gradient	Likely	Likely
ASI-206 Trib. to Trail Creek	121.58	Private	R4UBC	Riverine F/T	0.19	4.61	12.29	0.05	0.00	0.00	0.05	0.00	4-20' wide (average 8'), U-shaped channel; 3% gradient	Likely	Likely
					Total	**69.79**	**158.21**	**0.17**	**0.08**	**0.00**	**0.25**	**0.00**			
Cascades Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Shady Cove-Rogue River (HUC 1710030707) Fifth field Watershed [3], Jackson County, Oregon															
ESI-71 Trib. to Cricket Creek	121.87	Private	R4SB1C	Riverine F/T	<0.01	-	-	0.00	<0.01	0.00	0.00	0.00	1' wide ephemeral tributary to Cricket Creek	Likely	Likely
ESI-70 Trib. to Cricket Creek	121.89	Private	R4SB1C	Riverine F/T	0.31	-	-	0.00	0.28	0.00	0.28	0.00	Cricket Creek – average 7' wide, cobble/gravels substrate	Likely	Likely
ESI072 Trib. to Cricket Creek	121.93	Private	R4SB1C	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	2' wide ephemeral tributary to Cricket Creek	Likely	Likely
ESI-73 Trib. to Cricket Creek	121.94	Private	R4SB1C	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	2' wide ephemeral tributary to Cricket Creek	Likely	Likely
ESI-74 Trib. to Cricket Creek	122.09	Private	R4SB1C	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	1-2' wide ephemeral tributary to Cricket Creek	Likely	Likely
ASP-235 Rogue River [5]	122.65	Private	R3UBH	Riverine F/T	1.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Rogue River; > 150' wide, <2% gradient; cobble, gravel, sand; with bank HDD Crossing	Likely	Likely
ASI-223 Trib. to Indian Creek	125.91	Private	R4UB1C	Riverine F/T	0.05	5.43	14.48	0.01	0.00	0.00	0.01	0.00	Seasonal Creek, U-shaped channel, 2-4' wide.	Likely	Likely
ASI-222 Trib. to Indian Creek	125.98	Private	R4UB1C	Riverine F/T	0.05	5.64	15.04	0.01	0.00	0.00	0.01	0.00	Seasonal Creek, U-shaped channel	Likely	Likely
RS-4 Trib. to Indian Creek	126.50	BLM - Medford District	R4UB1C	Riverine F/T	0.02	3.02	8.05	0.00	0.00	0.00	0.00	0.00	1-2' wide intermittent drainage – BLM designated	Likely	Likely
ASI-220 Trib. to Indian Creek	126.52	BLM - Medford District	R4UB1C	Riverine F/T	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Seasonal Creek, U-shaped channel, 1-2' wide; 15% gradient	Likely	Likely
ASI-221 Trib. to Indian Creek	126.59	BLM - Medford District	R4UB1C	Riverine F/T	0.02	4.24	11.31	0.01	0.00	0.00	0.01	0.00	Seasonal Creek, U-shaped channel, 4' wide, 6-10% gradient	Likely	Likely
RS-3 Trib. to Indian Creek	126.59	BLM - Medford District	R4UB1C	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	1-2' wide intermittent drainage	Likely	Likely
ASI-311 Trib. to Indian Creek	126.65	Private	R4UB1C	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	0.5-1.0' wide seasonal stream	Likely	Likely
ADX-287	127.29	Private	R4UB3Cx	N/A	0.04	-	-	0.00	0.00	0.00	0.00	0.00	Trap-shaped	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
AL-284	127.29	Private	PUBx	Lacustrine	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Stock Pond		
ADX-286	127.29	Private	R4UB3Cx	Riverine F/T	<0.00	-	-	0.00	0.00	0.00	0.00	0.00	Trap-shaped	Likely	Likely
ADX-285	127.35	Private	R4UB3Cx	Riverine F/T	0.05	6.10	16.27	0.01	0.01	0.00	0.02	0.00	Trap-shaped	Likely	Likely
RS-5	127.61	BLM – Medford District	Riverine F/T	R4UB1C	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	1' wide intermittent drainage – BLM designated	Likely	Likely
ASP-307 Deer Creek	128.49	Private	R3SB1H	Riverine F/T	0.33	28.52	76.05	0.07	0.00	0.00	0.07	0.00	40-50' wide perennial stream	Likely	Likely
ADX-279	128.53	Private	R4UB3Cx	N/A	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Trap-shaped	Likely	Likely
AW-278 Indian Creek	128.63	Private	PEMC/R3UB3	Slope/Flats	2.20	139.85	212.58	0.30	0.04	0.00	0.34	0.00	Herb wetland/perennial stream; continues as AW-308	Likely	Likely
ASP-310 Trib. to Indian Creek	128.70	Private	R3SB1H	Riverine F/T	0.05	5.22	13.92	0.01	0.00	0.01	0.02	0.00	At eastern edge of AW309	Likely	Likely
AW-309 Trib. to Indian Creek	128.89	BLM - Medford District	PFOC	Slope/Flats	0.27	30.00	80.00	0.07	0.00	0.00	0.07	0.02	Forested wetland/stream	Likely	Likely
ASI-400 Trib. to Indian Creek	129.13	BLM - Medford District	R4	Riverine F/T	0.01	1.42	3.79	0.00	0.00	0.00	0.00	0.00	Small 3-4' wide intermittent headwater tributary	Likely	Likely
ASI-306 Trib. to Indian Creek	129.21	BLM - Medford District	R4	Riverine F/T	<0.00	-	-	0.00	0.00	0.00	0.00	0.00	Small 3-4' wide intermittent headwater trib.	Likely	Likely
ASI277 Trib. to Indian Creek	129.46	Private	R4UB1C	Riverine F/T	0.02	4.04	10.77	0.01	0.00	0.00	0.01	0.00	Small 3-4' wide intermittent headwater tributary.	Likely	Likely
				Total		**233.48**	**462.26**	**0.50**	**0.33**	**0.01**	**0.84**	**0.02**			
Cascades Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Big Butte Creek (HUC 1710030704) Fifth field Watershed [3], Jackson County, Oregon															
AW-245	130.81	Private	PSSC/R4SB1C	Riverine F/T	0.03	-	-	0.00	0.03	0.00	0.03	0.00	Separated from wetland AW244 by culvert	Likely	Likely
AW-244	130.83	Private	PSSC/R4SB1C	Riverine F/T	0.38	131.83	351.55	0.24	0.01	0.00	0.25	0.03	Wetland with small stream running through middle	Likely	Likely
ASI-246 Trib. to Neil Creek	130.89	Private	PEMC	Slope/Flats	0.02	2.54	6.77	0.01	0.00	0.00	0.01	0.00	Swale feature, - culvert. Continues off site	Likely	Likely
AW-247	131.12	Private	PUBYx	Depressional	0.02	-	-	0.00	0.00	0.00	0.00	0.00	Spring fed stock pond. Appears man made; 1' deep	Likely	Likely
AW-248	131.26	Private	PEMC	Slope/Flats	0.17	69.65	116.08	0.09	0.00	0.00	0.09	0.00	Spring fed wetland on hillside. Slope 3-5%.	Likely	Likely
ASI250 Trib. to Neil Creek	131.55	BLM - Medford District	R4UB1C	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	1-3' wide, U-shaped channel; >10% gradient, tributary to ASI249	Likely	Likely
ASI-251 Trib. to Neil Creek	131.72	BLM - Medford District	R4UB1C	Riverine F/T	0.03	-	-	0.00	0.00	0.00	0.00	0.00	1-3' wide, U-shaped channel; >10% gradient, tributary to ASI249	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
ADX-253	132.03	Private	R4UB3x	N/A	0.02	1.58	4.21	0.00	0.00	0.00	0.00	0.00	Irrigation ditch, U-shaped with two shallow deeper ditches running parallel	Likely	Likely
W2-02	132.08	Private	PEMC	Slope/Flats	0.22	19.05	31.75	0.04	0.01	0.00	0.05	0.00	Wetland on valley floor, potentially along previous alignment of Neil Creek.	Likely	Likely
ASP-252 Neil Creek	132.11	Private	R4SB1C	Riverine F/T	0.15	6.47	17.25	0.01	0.00	0.00	0.01	0.00	Incised perennial stream used for irrigation. OHWM 3-5' wide, 1' deep.	Likely	Likely
EDX-75	132.26	Private	R4UB3x	N/A	0.16	15.12	40.32	0.03	0.00	0.00	0.03	0.00	3' wide, silt/mud substrate, drainage swale with wetland characteristics	Likely	Likely
AW-243	132.43	Private	PEMC	Slope/Flats	7.78	286.66	477.77	0.57	0.40	0.01[8]	0.98	0.00	Bisected by two ditches, connected to AW242 across road	Likely	Likely
W5-01	132.54	Private	PEMC	Slope/Flats	2.61	290.72	484.53	0.66	0.37	0.00	1.03	0.00	Wetland	Likely	Likely
AW-242	132.48	Private	PEMC	Slope/Flats	0.70	66.70	111.17	0.11	0.00	0.00	0.11	0.00	Grazed wet meadow connected to ASP241	Likely	Likely
ASI-265/NSI-10 Quartz Creek	132.75	Private	R4SB1C	Riverine F/T	0.01	2.36	6.29	0.00	0.00	0.00	0.00	0.00	Tributary to stream in AW264; U-shaped channel, ~1' wide; Quartz Creek	Likely	Likely
AW-264 (S5-02) Trib. to Quartz Creek	132.77	Private	PFO/R4SB1C	Riverine F/T	0.57	40.44	73.69	0.09	0.00	0.00	0.09	0.03	Wetland with perennial stream running through it	Likely	Likely
AW-263	133.09	Private	PEMC	Slope/Flats	4.74	497.68	829.47	1.00	0.00	0.00	1.00	0.00	Large, spring fed, slope wetland; continues off site	Likely	Likely
ASP-241 Trib. to Quartz Creek	133.35	BLM - Medford District	R3UB3H	Riverine F/T	0.69	44.80	119.47	0.12	0.10	0.00	0.22	0.00	Braided channels; at edge of corridor	Likely	Likely
ASP-240 Medford Aqueduct (Ditch 3) [5]	133.38	BLM - Medford District	R3UB3x	Riverine F/T	0.34	0.00 [5]	0.00 [5]	0.00 [5]	0.00	0.00	0.00 [5]	0.00	Medford Aqueduct Conventional Bored Crossing	Likely	Likely
AW-239	133.92	Private	PSSC	Slope/Flats	0.24	159.25	265.42	0.18	0.00	0.00	0.18	0.04	Scrub-shrub wetland dominated by spiraea and rose.	Likely	Likely
					Total	**1634.85**	**2935.74**	**3.15**	**0.92**	**0.01[8]**	**4.08**	**0.10**			
Cascades Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Little Butte Creek (HUC 1710030708) Fifth field Watershed [3], Jackson County, Oregon															
ASI-207 Whiskey Creek	137.48	Private	R4UB3C	Riverine F/T	0.10	10.37	27.65	0.02	0.00	0.00	0.02	0.00	Whiskey Creek; 4-6% gradient; 2' deep, U-shaped channel	Likely	Likely
ASI-208 Trib. to Lick Creek	138.26	Private	R4UB3C	Riverine F/T	0.10	10.37	27.65	0.02	0.01	0.00	0.03	0.00	10-12' wide, V-shaped channel; 6-8% gradient	Likely	Likely
ASI-210 Trib. to Lick Creek	138.50	Private	R4UB1C	Riverine F/T	0.04	1.72	4.59	0.00	0.00	0.00	0.00	0.00	6-10' wide, U-shaped channel; >10% gradient	Likely	Likely

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Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
AW-209	138.50	Private	PEMC	Slope/Flats	0.24	63.32	105.53	0.13	0.00	0.00	0.13	0.00	Connected to ASI210; narrow, linear heavily vegetated swale	Likely	Likely
ASI-211 Trib. to Lick Creek	138.71	Private	R4UB1C	Riverine F/T	0.07	7.22	19.25	0.01	0.00	0.00	0.01	0.00	12-15' wide, U-shaped channel; 4-6% gradient	Likely	Likely
AW-212	138.71	Private	PEMC	Slope/Flats	0.25	12.93	21.55	0.04	0.00	0.00	0.04	0.00	Linear feature, similar to AW209; adjacent to ASI211	Likely	Likely
AW-213	139.07	Private	PEMC	Slope/Flats	0.27	27.33	45.55	0.05	0.00	0.00	0.05	0.00	Similar to AW212	Likely	Likely
ASI-214 Trib. to Lick Creek	139.15	Private	R4UB1C	Riverine F/T	0.08	6.99	18.64	0.02	0.00	0.00	0.02	0.00	4-6' wide, U-shaped channel; 6-7% gradient	Likely	Likely
AL-215 Stock Pond	139.17	Private	PUBYx	Depressional	0.06	54.30	144.80	0.06	0.00	0.00	0.06	0.00	Small stock pond ~ 1' deep.	Likely	Likely
ASI-216 Trib. to Lick Creek	139.19	Private	R4SB1C	Riverine F/T	0.06	10.31	27.49	0.02	0.00	0.00	0.02	0.00	6-8' wide, U-shaped channel; 6-8% gradient	Likely	Likely
ASI-216 Trib. to Lick Creek	139.21	Private	R4SB1C	Riverine F/T	0.08	13.05	34.80	0.02	0.00	0.00	0.02	0.00	10' wide, U-shaped channel; 5% gradient	Likely	Likely
ASI-217 Trib. to Lick Creek	139.39	Private	R4SB1C	Riverine F/T	0.09	15.84	42.24	0.03	0.00	0.00	0.03	0.00	10' wide, U-shaped channel; 5% gradient	Likely	Likely
AW-218	139.45	Private	PEMC	Slope/Flats	0.20	-	-	0.05	0.00	0.00	0.05	0.00	Low area between two hillslopes	Likely	Likely
AW-225	139.56	Private	PEMC	Slope/Flats	1.74	128.13	215.55	0.19	0.00	0.00	0.19	0.00	Linear swale fed by seeps/streams	Likely	Likely
ASI-226 Trib. to Lick Creek	139.59	Private	R4SB1C	Riverine F/T	0.04	6.59	17.57	0.01	0.00	0.00	0.01	0.00	Meandering creek, 1-2' wide, U-shaped channel; flows into AW225	Likely	Likely
ASI-227 Trib. to Lick Creek	139.63	Private	R4SB1C	Riverine F/T	0.06	10.91	29.09	0.02	0.00	0.00	0.02	0.00	Meandering creek, 1-2' wide, U-shaped channel; flows into AW225	Likely	Likely
ASI-228 Trib. to Lick Creek	139.68	Private	R4EMC	Riverine F/T	0.19	31.75	84.67	0.08	0.00	0.00	0.08	0.00	<0.5' deep, 1-2' wide poorly defined channel	Likely	Likely
ASI-229 Trib. to Lick Creek	139.72	Private	R4EMC	Riverine F/T	0.12	-	-	0.03	0.00	0.00	0.03	0.00	1' deep, 1.5' wide poorly defined channel	Likely	Likely
AW-230	139.75	Private	PEMC	Slope/Flats	0.06	9.62	16.03	0.02	0.00	0.00	0.02	0.00	Swale feature, partially channelized	Likely	Likely
AW-231	139.78	Private	PEMC	Slope/Flats	0.76	-	-	0.09	0.00	0.00	0.09	0.00	Emergent wetland with some blackberry, extends off-site	Likely	Likely
ASI-232 Trib. to Lick Creek	139.83	Private	R4SB1C	Riverine F/T	0.01	1.27	3.39	0.00	0.00	0.00	0.00	0.00	1-1.5' wide dry channel	Likely	Likely
ASI-233 Lick Creek	140.26	BLM - Medford District	R4SB1C	Riverine F/T	0.09	12.91	34.43	0.02	0.00	0.00	0.02	0.00	Lick Creek, 10-20' wide, U-shaped channel	Likely	Likely
ADX-234	140.31	BLM - Medford District	R4SB1C	Riverine F/T	0.03	2.93	7.81	0.01	0.00	0.00	0.01	0.00	3' wide at OHWM, V-shaped channel	Likely	Likely
ASI-189 Trib. to Lick Creek	140.58	Private	R4SB1	Riverine F/T	0.02	2.62	6.99	0.01	0.00	0.00	0.01	0.00	1-2' wide intermittent stream	Likely	Likely
ADX-186	140.91	BLM - Medford District	R4SB1	Riverine F/T	0.04	3.70	9.87	0.01	0.00	0.00	0.01	0.00	Rocky, intermittent stream	Likely	Likely

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EW-77	141.01	Private	PEMC	Slope/Flats	0.13	-	-	0.00	0.13	0.00	0.13	0.00	Herbaceous wetland at base of Star Lake Reservoir	Likely	Likely
EW-78 (EW082)	141.01	Private	PEMC	Slope/Flats	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Herbaceous wetland at base of Star Lake Reservoir.	Likely	Likely
EW-76	141.01	Private	PEMC	Slope/Flats	0.10	-	-	0.00	0.10	0.00	0.10	0.00	Herbaceous wetland at base of Star Lake Reservoir	Likely	Likely
ASI-187 Trib. to Salt Creek	141.17	BLM - Medford District	R4SB1	Riverine F/T	0.03	2.51	6.69	0.01	0.00	0.00	0.01	0.00	1-2' wide intermittent stream with little vegetation	Likely	Likely
ASI-188 Trib. to Salt Creek	141.44	BLM - Medford District	R4SB1	Riverine F/T	0.10	5.10	13.60	0.01	0.00	0.00	0.01	0.00	3-4' average width, U-shaped channel, 8% gradient	Likely	Likely
RS-17 Trib. to Salt Creek	141.49	BLM - Medford District	R4SB3C	Riverine F/T	0.02	4.01	10.69	0.01	0.00	0.00	0.01	0.00	1-2' wide intermittent drainage	Likely	Likely
ESI-30 Trib. to Salt Creek	141.95	Private	R4SB1	Riverine F/T	0.06	6.25	16.67	0.01	0.00	0.00	0.01	0.00	3' wide intermittent stream, trap-shaped, cobble substrate; QUsp, TODI, CAQU	Likely	Likely
EDX-32 Trib. to Salt Creek	142.28	Private	R4SB3Cx	Riverine F/T	0.03	3.02	8.05	0.01	0.00	0.00	0.01	0.00	Pasture stream, likely excavated	Likely	Likely
ESI-31 Trib. to Salt Creek	142.32	Private	R4SB3Cx	Riverine F/T	0.21	13.44	35.84	0.03	0.00	0.00	0.03	0.00	3' wide, trap-shaped, intermittent stream; cobble substrate, JUEF	Likely	Likely
EW-33	142.45	Private	PEMC	Slope/Flats	9.93	764.76	1274.60	2.16	0.67	0.00	2.83	0.00	Large PEM complex, associated with floodplain of Salt Creek	Likely	Likely
ESP-34 Salt Creek	142.57	Private	R3SB3H	Riverine F/T	0.39	41.32	110.19	0.07	0.00	0.00	0.07	0.00	Salt Creek, flows through NW3	Likely	Likely
EW-35	142.61	Private	PEMC	Slope/Flats	3.67	408.16	680.27	0.90	0.34	0.00	1.24	0.00	Large PEM complex, associated with floodplain of Salt Creek	Likely	Likely
EDX-36	142.65	Private	R4SB3Cx	N/A	0.01	1.05	2.80	0.00	0.00	0.00	0.00	0.00	Pasture Ditch	Likely	Likely
ESI-37 Trib. to Salt Creek	143.12	Private	R4SB3C	Riverine F/T	0.18	4.84	12.91	0.01	0.01	0.00	0.02	0.00	4' wide, U-shaped, cobble substrate; QUsp, Ceanothus sp, upland grasses	Likely	Likely
ESI-38 Trib. to Long Branch Creek	143.51	Private	R4SB3C	Riverine F/T	0.03	2.21	5.89	0.00	0.00	0.00	0.00	0.00	2' wide, V-shaped, cobble/silt substrate, no veg in channel	Likely	Likely
ESI-39 Trib. to Long Branch Creek	143.74	Private	R4SB3C	Riverine F/T	0.03	3.26	8.69	0.01	0.00	0.00	0.01	0.00	Small 3' wide intermittent headwater tributary	Likely	Likely
EL-41	143.76	Private	PEMKx	Slope/Flats	0.04	-	-	0.00	0.04	0.00	0.04	0.00	Stock pond.	Unlikely	Unlikely
ESI-38 Trib. to Long Branch Creek	143.76	Private	R4SB3C	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	2' wide, V-shaped, cobble/silt substrate, no veg in channel		

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ESI-40 Trib. to Long Branch Creek	143.77	Private	R4SB3C	Riverine F/T	0.02	5.05	13.47	0.01	0.00	0.00	0.01	0.00	Tributary/irrigation ditch to stock pond	Likely	Likely
Long Branch Creek ESI-38	144.11	Private	R4SB3C	Riverine F/T	0.02	2.04	5.44	0.00	0.00	0.00	0.00	0.00	2' wide, V-shaped, cobble/silt substrate, no veg in channel	Likely	Likely
EDX-42	144.14	Private	R4UBx	N/A	0.08	8.20	21.87	0.02	0.00	0.00	0.02	0.00	Irrigation ditch	Likely	Unlikely
GSP-5/ESP-48 Trib. to S. Fork Long Branch	144.70	Private	R4	Riverine F/T	0.12	7.09	18.91	0.02	0.02	0.00	0.04	0.00	3' wide extension of ESI048 Intermittent drainage	Likely	Likely
GSI-6/ESP-59 South Fork Long Branch	145.27	Private	R4SBC	Riverine F/T	0.07	7.12	18.99	0.02	0.00	0.00	0.02	0.00	3' wide extension of ESI048	Likely	Likely
EDX-60	145.28	Private	R4UBx	N/A	0.06	-	-	0.00	0.00	0.00	0.00	0.00	2-4' wide ditch	Likely	Unlikely
NDX-56	145.30	Private	R4UBx	Riverine F/T	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Irrigation ditch	Likely	Unlikely
NDX-107	145.32	Private	R4UBx	N/A	0.02	3.65	9.73	0.01	0.00	0.00	0.01	0.00	Near possible vernal pool complex	Likely	Unlikely
EW-62	145.50	Private	PEMC	Slope/Flats	0.05	-	-	0.00	0.00	0.00	0.00	0.00	Passture wetland associated with ESI061	Likely	Likely
ESI-61 Trib. to S. Fork Long Branch	145.54	Private	R4SBC	Riverine F/T	0.10	13.66	34.43	0.03	0.04	0.00	0.07	0.00	1' wide, U-shaped, cobble substrate; RUDI, FRLA, pasture veg	Likely	Likely
EW-63	145.55	Private	PEMC/PSSC	Slope/Flats	0.05	1.68	2.80	0.01	0.04	0.00	0.05	<0.01	emergent wetland associated with ESI061	Likely	Likely
EDX-64	145.57	Private	R4UBx	N/A	0.01	2.04	5.44	0.00	0.00	0.00	0.00	0.00	Linear, 2' wide ditch along Highway 140, V-shaped; CANE, DIFU	Unlikely	Unlikely
EW-67	145.63	Private	PEMC	Slope/Flats	1.82	266.36	443.93	0.62	0.63	0.00	1.25	0.00	Emergent wetland, associated with surround ditches and ESP-66	Likely	Likely
ESP-66 North Fork Little Butte Creek	145.69	Private	R3SB3H	Riverine F/T	0.55	48.77	130.05	0.10	0.00	0.00	0.10	0.00	North Fork Little Butte Creek	Likely	Likely
EDX-57	145.91	Private	R4UBx	N/A	0.18	-	-	0.00	0.00	0.00	0.00	0.00	Roadside ditch, 2' wide, 2' deep, associated with Little Butte Cr	Likely	Likely
ESI-56 Trib. to N. Fork Little Butte	146.05	Private	R4SBC	Riverine F/T	0.16	17.49	46.64	0.03	0.00	0.00	0.03	0.00	4' wide, U-shaped, cobble substrate; QUsp, water control structure	Likely	Likely
ESI-55 Trib. to N. Fork Little Butte	146.38	Private	R4SBC	Riverine F/T	0.03	3.36	8.96	0.01	0.00	0.00	0.01	0.00	Connected to EW054; 2' wide, U-shaped, cobble substrate; RUDI, TODI, QUGA	Likely	Likely
EW-54	146.40	Private	PEMC	Slope/Flats	0.07	-	-	0.00	0.00	0.00	0.00	0.00	Connected to ESI055	Likely	Likely
EW-53	146.69	Private	PEMC	Slope/Flats	0.10	-	-	0.00	0.00	0.00	0.00	0.00	Connected to ESI052	Likely	Likely
ESI-52 Trib. to N. Fork Little Butte	146.75	Private	R4SBC	Riverine F/T	0.05	-	-	0.00	0.00	0.00	0.00	0.00	3' wide, U-shaped channel; QUGA, RUDI, TODI, PIPO adjacent	Likely	Likely
EDX-51	146.80	Private	R4UBx	N/A	0.06	9.38	25.01	0.02	0.00	0.00	0.02	0.00	6' wide irrigation canal along road	Likely	Unlikely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
AW-185	152.20	BLM - Medford District	PFOC	Slope/Flats	0.17	-	-	0.00	0.00	0.00	0.01	0.00	Forested stream bank with wetland characteristics	Likely	Likely
AL-169 Stock Pond	152.33	BLM - Medford District	PUBFx	Depressional	0.16	-	-	0.00	0.00	0.00	0.00	0.00	3' deep stock pond w/ wetland species; 6' max depth	Unlikely	Unlikely
					Total	**2100.00**	**3917.70**	**5.09**	**2.03**	**0.00**	**7.12**	**0.00**			
Eastern Slopes Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Little Butte Creek (HUC 1710030708) Fifth field Watershed [3, 4], Jackson County, Oregon															
ASP-165 South Fork Little Butte Creek	162.45	Forest Service - Rogue River-Shady Cove NF	R3SB1H	Riverine F/T	0.49	12.54	33.44	0.03	0.00	0.00	0.03	0.00	2-30' wide, U-shaped, 1% gradient, braided channels	Likely	Likely
ASI-164	164.99	Forest Service – Rogue River-Shady Cove NF	R4UB1C	Riverine F/T	0.14	-	-	0.00	0.00	0.00	0.00	0.00	2-30' wide w/ braided channels, wetland/upland islands	Likely	Likely
ESI-76 (ESI084) Daley Creek	166.21	Forest Service - Rogue River-Shady Cove NF	R4UBC	Riverine F/T	0.36	29.36	78.29	0.10	0.00	0.00	0.10	0.00	30-40' wide braided channel, coble/gravel substrate, trib. to Daley Creek.	Likely	Likely
					Total	**41.90**	**111.73**	**0.13**	**0.00**	**0.00**	**0.13**	**0.00**			
Eastern Slopes Ecoregion, Upper Klamath R. Sub-basin (HUC 18010206), Spencer Creek (HUC 1801020601) Fifth field Watershed [3, 4], Klamath County, Oregon															
EW-85 Spencer Creek	171.07	Forest Service - Fremont-Winema NF	PEMC	Slope/Flats	1.51	154.82	262.05	0.27	0.00	0.00	0.27	0.00	Wetland swale, culverted under road	Likely	Likely
AW-184	171.23	Forest Service - Fremont-Winema NF	PEM/PSSC	Slope/Flats	0.52	-	-	0.00	0.00	0.00	0.00	0.00	Large wetland complex south of Clover Creek Rd.	Likely	Likely
GSP-7 Trib. to Spencer Creek	171.57	Forest Service - Fremont-Winema NF/Private	R2	Riverine F/T	0.13	10.72	28.59	0.04	0.00	0.00	0.04	0.00	2' wide stream that fans out into a wetland/stream complex	Likely	Likely
ESI106a Trib. to Spencer Creek	173.74	Forest Service - Fremont-Winema NF	R4SB2	Riverine F/T	0.40	8.17	21.79	0.02	0.00	0.00	0.02	0.00	4' wide, snowmelt ephemeral stream	Likely	Likely
ESI-69/GSI-10 Trib. to Spencer Creek	176.55	BLM – Lakeview District	R4SB2	Riverine F/T	0.03	2.02	5.39	0.01	0.00	0.00	0.01	0.00	1' wide intermittent, shrubbed stream Extension of ESI069' - wide, 2' deep	Likely	Likely
Clover Creek EW-103/GSI-11	177.76	Private	R4SB2/PEMC/PSSC	Riverine F/T	2.35	123.95	211.72	0.33	0.00	0.00	0.33	0.05	2' wide stream with associated wetland. Extension of EW103	Likely	Likely
GW012	179.50	Private	PEM	Slope	0.03	-	-	0.00	0.00	0.00	0.00	0.00	Seasonal snowmelt wetland	Likely	Likely
					Total	**299.68**	**529.54**	**0.67**	**0.00**	**0.00**	**0.67**	**0.05**			
Eastern Slopes Ecoregion, Upper Klamath R. Sub-basin (HUC 18010206), John C Boyle Reservoir-Klamath River (HUC 1801020602) Fifth field Watershed [3], Klamath County, Oregon															

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
EL-94	184.90	Private	PUBx	Lacustrine	0.32	-	-	0.00	0.00	0.00	0.00	0.00	Stock Pond		
ESI-97 Trib. to Klamath River	186.61	Private	R4SB2C	Riverine F/T	0.03	7.17	19.12	0.02	0.00	0.00	0.02	0.00	Boulders, cobbles 2-5' wide, <1' deep	Likely	Likely
EL-96	186.61	Private	PUBx	Lacustrine	0.11	-	-	0.00	0.00	0.00	0.00	0.00	Stock pond adjacent to EW101. Salix and sprirea dominate	Unlikely	Likely
ESI-99 Trib. to Klamath River	186.65	Private	R4SB2C	Riverine F/T	0.02	2.64	7.04	0.01	0.00	0.00	0.01	0.00	Small intermittent stream 3? wide, feeds pond	Likely	Likely
ESI-100 Trib. to Klamath River	186.74	Private	R4SB2C	Riverine F/T	0.06	10.66	28.43	0.04	0.00	0.00	0.04	0.00	Small intermittent stream 2' wide, feeds pond	Likely	Likely
WW-003-004	186.88	Private	R4EM2	Riverine F/T	0.40	-	-	0.00	0.00	0.00	0.00	0.00	Wetland located south of Clover Creek Rd. Pit is located in a slight depression, where water drains from road.	Likely	Likely
					Total	**20.47**	**54.59**	**0.07**	**0.00**	**0.00**	**0.07**	**0.00**			
Eastern Slopes Ecoregion, Lost River Sub-basin (HUC 18010204), Lake Ewauna-Klamath River (HUC 1801020412) Fifth field Watershed [3], Klamath County, Oregon															
ASI-13/SS-100-025 Trib. to Klamath River	188.90	Private	R4EM2	Riverine F/T	0.03	3.15	8.40	0.01	0.00	0.00	0.01	0.00	Main channel (ave 4' wide) & side channel (ave 3')	Likely	Likely
W2-03	191.47	Private	PEMC	Slope/Flats	0.06	3.45	5.75	0.01	0.00	0.00	0.01	0.00	Wetland in roadside ditch.	Likely	Likely
ADX-63	192.67	Private	R4UB3Cx	N/A	1.35	17.08	45.55	0.13	0.12	0.00	0.25	0.00	<1% gradient irrigation ditch, fingerlings present	Likely	Unlikely
W2-06	192.20	Private	PEMC	Slope/Flats	13.88	1873.51	3122.52	4.67	0.49	0.00	5.16	0.00	Wetland edged by man man made dike at north boundary.	Likely	Likely
S2-03	191.90	Private	R2UB	Riverine F/T	0.04	-	-	0.00	0.00	0.00	0.00	0.00	Ditch/Dyke draining wetland W2-06.	Likely	Likely
AW-60	192.42	Private	PEMC	Slope/Flats	0.64	-	-	0.04	0.26	0.00	0.30	0.00	Wetland pasture near irrigation canal	Likely	Likely
NDX-69	192.63	Private	R4UB3x	N/A	0.08	-	-	0.00	0.00	0.00	0.00	0.00	Irrigation ditch, continues off-site to the east and south	Likely	Likely
AW-64	192.67	Private	PEMC	Slope/Flats	0.15	-	-	0.00	0.00	0.00	0.00	0.00	Irrigated pasture wetland	Likely	Likely
AW-65	192.71	Private	PEMC	Slope/Flats	0.82	239.73	399.55	0.42	0.40	0.00	0.82	0.00	Irrigated pasture wetland	Likely	Likely
NDX-66	192.81	Private	R4UB3x	N/A	2.03	-	-	0.00	0.19	0.00	0.19	0.00	Large irrigation ditch along road	Likely	Likely
AW-66	192.86	Private	PEMC	Slope/Flats	4.84	509.58	849.30	1.24	0.91	0.00	2.15	0.00	Irrigated pasture wetland	Likely	Likely
NW-71	192.89	Private	PEMC	Slope/Flats	1.17	-	-	0.00	0.25	0.00	0.25	0.00	Irrigated pasture wetland, continues off-site to the south	Likely	Likely
ADX-67	192.99	Private	R4UB3x	N/A	0.33	18.74	49.97	0.04	0.21	0.00	0.25	0.00	12' average width, <1% gradient, u-shaped ditch	Likely	Likely
AW-68	193.03	Private	PEMC	Slope/Flats	2.17	366.18	610.30	0.79	0.53	0.00	1.32	0.00	Pasture wetland within harvested hayfield	Likely	Likely
ADX-69	193.07	Private	R4UB3x	N/A	0.14	20.59	54.91	0.04	0.04	0.00	0.08	0.00	12' average width, <1% gradient, trapezoidal ditch	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
AW-71	193.17	Private	PEMC	Slope/Flats	0.30	162.46	270.77	0.28	0.02	0.00	0.30	0.00	Slight depression in alfalfa field, similar to AW70	Likely	Likely
NW-72	193.21	Private	PEMC	Slope/Flats	1.26	-	-	0.00	0.50	0.00	0.50	0.00	Irrigated pasture wetland, continues off-site to the south	Likely	Likely
AW-70	193.21	Private	PEMC	Slope/Flats	0.01	-	-	0.01	0.00	0.00	0.01	0.00	Pasture wetland within harvested hayfield	Likely	Likely
ADX-72	193.25	Private	R4UB3x	N/A	0.20	-	-	0.00	0.20	0.00	0.20	0.00	10' average width, <1% gradient, u-shaped ditch	Likely	Likely
NDX-73	193.39	Private	R4UB3x	N/A	0.02	-	-	0.00	0.00	0.00	0.00	0.00	Irrigation ditch, continues off-site to the south	Likely	Unlikely
ADX-73	193.47	Private	R4UB3x	N/A	0.20	-	-	0.00	0.20	0.00	0.20	0.00	10' average width, <1% gradient, u-shaped ditch	Likely	Likely
NW-74	193.51	Private	PEMC	Slope/Flats	0.82	-	-	0.00	0.26	0.00	0.26	0.00	Irrigated pasture wetland, continues off-site to the south	Likely	Likely
AW-74	194.44	Private	PEMC	Slope/Flats	2.99	539.52	599.20	1.19	0.87	0.00	2.06	0.00	Pasture wetland within harvested hayfield	Likely	Likely
NDX-75	194.51	Private	R4UB3x	N/A	0.14	-	-	0.00	0.00	0.00	0.00	0.00	Irrigation ditch	Likely	Unlikely
ADX-75	194.51	Private	R4UB3x	N/A	0.13	10.80	28.80	0.02	0.08	0.00	0.10	0.00	<1% gradient, u-shaped ditch	Likely	Likely
AW-76	194.57	Private	PEMC	Slope/Flats	2.16	490.20	817.00	1.01	1.18	0.00	2.19	0.00	Pasture wetland adjacent to canal	Likely	Likely
ADX-77	194.57	Private	R4UB3x	N/A	0.13	-	-	0.00	0.05	0.00	0.05	0.00	<1% gradient, u-shaped ditch	Likely	Unlikely
NDX-77	194.57	Private	R4UB3x	N/A	0.20	-	-	0.00	0.03	0.00	0.03	0.00	Irrigation ditch	Likely	Unlikely
NW-76	194.57	Private	PEMC	Slope/Flats	0.91	-	-	0.00	0.30	0.00	0.30	0.00	Irrigated pasture wetland, continues off-site to the south	Likely	Likely
ADX-78	194.64	Private	R4UB3x	N/A	1.06	104.62	278.99	0.33	0.31	0.00	0.64	0.00	Trapezoidal, <1% gradient irrigation ditch	Likely	Unlikely
NDX-78	194.67	Private	R4UB3x	N/A	0.27	-	-	0.00	0.00	0.00	0.00	0.00	Irrigation ditch	Likely	Unlikely
NDX-80	194.88	Private	R4UB3x	N/A	0.57	-	-	0.00	0.07	0.00	0.07	0.00	Irrigation ditch	Likely	Unlikely
NDX-81	194.90	Private	R4UB3x	N/A	0.02	-	-	0.00	0.00	0.00	0.00	0.00	Irrigation ditch, connected to NDX80; continues off-site to the south	Likely	Unlikely
ADX-81	194.92	Private	R4UB3x	N/A	0.10	-	-	0.00	0.08	0.00	0.08	0.00	<1% gradient, u-shaped drainage ditch	Likely	Unlikely
ADX-83	195.12	Private	R4UB3x	N/A	0.01	-	-	0.00	0.01	0.00	0.01	0.00	8' average width, u-shaped ditch, <1% gradient	Likely	Unlikely
AW-85	195.14	Private	PEMC	Slope/Flats	0.04	-	-	0.00	0.04	0.00	0.04	0.00	Wetland in hayfield, associated with adjacent ditch	Likely	Likely
ADX-84	195.18	Private	R4UB3x	N/A	0.06	-	-	0.00	0.06	0.00	0.06	0.00	<1% gradient, u-shaped ditch	Likely	Unlikely
ADX-86	195.24	Private	R4UB3x	N/A	0.01	-	-	0.00	0.01	0.00	0.01	0.00	<1% gradient, u-shaped ditch	Likely	Likely
NDX-82	195.28	Private	R4UB3x	N/A	0.42	-	-	0.00	0.02	0.00	0.02	0.00	Irrigation ditch, connected to NDX80	Likely	Unlikely

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ADX-87	195.32	Private	R4UB3x	N/A	0.13	-	-	0.00	0.13	0.00	0.13	0.00	<1% gradient, trapezoidal drainage ditch	Likely	Unlikely
AW-88	195.34	Private	PEMC	Slope/Flats	7.76	1285.95	2143.25	2.85	1.77	0.00	4.62	0.00	Wetland within hayfield	Likely	Likely
AW-21	195.45	Private	PEM/R4UB2x	Slope/Flats	0.01	-		0.00	0.01	0.00	0.01	0.00	Hydric portion of ditch dug through hydric soils	Likely	Likely
ADX-19	195.46	Private	R4UB2x	N/A	0.11	29.65	79.07	0.05	0.02	0.00	0.07	0.00	8' wide, 3' deep ditch	Likely	Unlikely
NDX-83	195.46	Private	R4UB3x	N/A	0.05	-	-	0.00	0.00	0.00	0.00	0.00	Irrigation ditch, continues off-site to the south	Likely	Unlikely
ADX-22	195.51	Private	R4UB2x		0.02	-	-	0.00	0.00	0.00	0.00	0.00	Connected to AW21	Likely	Likely
NDX-84	195.63	Private	R4UB3x	N/A	0.04	-	-	0.00	0.00	0.00	0.00	0.00	Roadside irrigation ditch	Likely	Unlikely
ADX-20	195.47	Private	R4UB2x	N/A	0.06	-	-	0.00	0.04	0.00	0.04	0.00	Wet ditch	Likely	Likely
GDX-4	195.67	Private	R4	N/a	0.06	25.90	69.07	0.05	0.01	0.00	0.06	0.00	5' wide ditch with pasture grasses	Likely	Likely
GDX-3	195.71	Private	R4	N/a	1.07	49.16	131.09	0.18	0.00	0.00	0.18	0.00	Connected to GDX001	Likely	Likely
GDX-1	195.80	Private	R4	N/a	0.50	45.88	122.35	0.10	0.10	0.00	0.20	0.00	7-8' wide ditch with pasture grass	Likely	Likely
GDX-2	195.91	Private	R4	N/a	0.26	11.38	30.35	0.03	0.06	0.00	0.09	0.00	3-10' wide irrigation ditch	Likely	Likely
AW-26	196.22	Private	PEM/R4UB2x	Slope/Flats	0.19	-	-	0.00	0.00	0.00	0.00	0.00	Complex of vegetated ditch segments & wetland swale	Likely	Likely
ADX-31	196.30	Private	R4UB2x	N/A	0.19	-	-	0.00	0.05	0.00	0.05	0.00	Drainage ditch	Likely	Unlikely
ADX-29	196.50	Private	R4UB2x	N/A	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Drainage ditch	Likely	Unlikely
NW-90	196.51	Private	PEMC	Slope/Flats	0.24	-	-	0.00	0.00	0.00	0.00	0.00	Irrigated wetland pasture	Likely	Likely
ADX-30	196.53	Private	R4UB2x	N/A	0.07	8.97	23.92	0.02	0.02	0.00	0.04	0.00	Irrigation ditch	Likely	Likely
NDX085	196.61	Private	R4UB3x	N/A	0.14	-	-	0.00	0.00	0.00	0.00	0.00	Roadside irrigation ditch	Likely	Unlikely
ADX-32	196.65	Private	R4UB2x	N/A	0.26	27.60	73.60	0.06	0.00	0.00	0.06	0.00	Large irrigation channel	Likely	Likely
ADX-36	196.76	Private	R4UB2x	N/A	0.04	8.71	23.23	0.02	0.01	0.00	0.03	0.00	Narrow irrigation ditch	Likely	Unlikely
AL-34 Weyerhaeuser Pond	196.78	Private	PUBKx	N/A	0.78	-	-	0.00	0.76	0.00	0.76	0.00	Triangular artificial pond with Weyerhaeuser logo island	Unlikely	Unlikely
ADX-38	196.78	Private	R4SBFx	N/A	0.02	3.11	8.29	0.01	0.00	0.00	0.01	0.00	Irrigation ditch	Likely	Unlikely
AW-37	196.79	Private	PEMAx	Slope/Flats	0.21	19.46	32.43	0.04	0.00	0.00	0.04	0.00	Wet ditch	Likely	Likely
NW-91	196.82	Private	PEMC	Slope/Flats	2.52	308.01	513.35	0.74	0.23	0.00	0.97	0.00	Irrigated pasture wetland	Likely	Likely
ADX-39	196.89	Private	R4SBFx	N/A	0.27	24.17	64.45	0.06	0.00	0.00	0.06	0.00	Irrigation ditch, connected to ADX38; 2' deep	Likely	Unlikely
ADX-40	197.08	Private	R4SBFx	N/A	0.11	11.86	31.63	0.03	0.00	0.00	0.03	0.00	Irrigation ditch	Likely	Unlikely
AW-41	197.09	Private	PEM/R4SBFx	Slope/Flats	0.16	11.59	19.32	0.03	0.00	0.00	0.03	0.00	Wet portion of abandoned ditch	Unlikely	Unlikely
AW-42	197.30	Private	PEMC	Slope/Flats	17.24	2176.47	3627.45	4.78	0.79	0.00	5.57	0.00	Irrigated pasture wetland	Likely	Unlikely
AW-43	197.80	Private	PEMC	Slope/Flats	4.12	409.07	681.78	0.98	0.19	0.00	1.17	0.00	Irrigated pasture wetland	Likely	Unlikely
AL-44	198.99	Private	PABGh	Lacustrine Fringe	0.52	-	-	0.02	0.03	0.00	0.05	0.00	Pond adjacent to the Klamath River	Likely	Likely
AW-45	199.25	Private	PEM/PSSCx	Slope/Flats	0.20	-	-	0.00	0.00	0.00	0.00	0.00	Adjacent to Klamath River	Likely	Likely
AW-90	199.27	State	PEMC	Slope/Flats	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Wetland within disturbed area	Likely	Likely
AW-89	199.28	State	PEMC	Slope/Flats	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Wetland within disturbed area	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
ASP-151 Klamath River [5]	199.38	State	L1UBHh	Riverine F/T	8.75	-	-	0.03	0.00	0.00	0.03	0.00	Klamath River/large irrigation channel HDD Crossing	Likely	Likely
AW-152	199.49	Private	PEM/PSS/R4UB3x	N/A	2.36	260.03	433.38	0.45	0.00	0.00	0.45	0.00	30' wide excavated channel with dense wetland vegetation	Likely	Likely
ADX-153	199.52	Private	R4UB3x	N/A	0.23	-	-	0.00	0.00	0.00	0.00	0.00	15' average width, excavated ditch	Likely	Likely
AW-154	199.54	Private	PEMC	Slope/Flats	0.17	-	-	0.02	0.00	0.00	0.02	0.00	Low area to west of cattail marsh	Likely	Likely
AW-155	199.55	Private	PEMC	Slope/Flats	0.40	49.10	81.83	0.09	0.00	0.00	0.09	0.00	Depressional area west of Highway 97	Likely	Likely
AW-156	199.59	Private	PEMC	Slope/Flats	0.73	92.16	153.60	0.16	0.03	0.00	0.19	0.00	Similar to AW155, on east side of Highway 97	Likely	Likely
AW-157	199.59	Private	PEMC/R4UB3x	N/A	0.12	14.12	23.53	0.03	0.03	0.00	0.06	0.00	Wet ditch associated with AW159	Likely	Likely
AW-158	199.60	Private	PEMC/R4UB3x	N/A	0.04	5.78	9.63	0.01	0.02	0.00	0.03	0.00	Wet ditch associated with AW159	Likely	Likely
AW-159	199.69	Private	PEMC	Slope/Flats	0.48	-	-	0.00	0.00	0.00	0.00	0.00	Wetland ditches and pasture depressional areas	Likely	Likely
AW160	199.77	Private	PEMC/R4UB3x	N/A	0.08	8.85	14.75	0.03	0.05	0.00	0.08	0.00	Wet ditch associated with AW159	Likely	Likely
AW-312	200.03	Private	PEMC	Slope/Flats	3.44	408.88	681.47	0.94	0.76	0.00	1.70	0.00	Should be labeled BW161	Likely	Likely
AW-255	200.06	Private	PEMC	Slope/Flats	7.38	764.48	1274.13	1.65	0.59	0.00	2.24	0.00	Irrigated livestock pasture surrounded by lg. Irrigation ditch	Likely	Likely
ADX-293	200.31 200.41	Private	R2UB3Hy	Slope/Flats	0.84	-	-	0.52	0.00	0.00	0.52	0.00	Trap-shaped canal	Likely	Unlikely
ADX-294	200.54	Private	R2UB3Hy	Slope/Flats	0.31	33.45	89.20	0.07	0.00	0.00	0.07	0.00	Trap-shaped canal	Likely	Unlikely
ADX-295	200.55	Private	R2UB3Hy	Slope/Flats	0.03	-	-	0.00	0.00	0.00	0.00	0.00	Trap-shaped canal	Likely	Unlikely
ADX-92	200.65	Private	R4UB3x	N/A	0.42	-	-	0.00	0.00	0.00	0.00	0.00	Trapezoidal irrigation ditch, <1% gradient	Likely	Unlikely
AW-93	201.39	Private	PEMC	Slope/Flats	9.00	1007.10	1678.50	2.20	0.38	0.00	2.58	0.00	Irrigated hay field wetland	Likely	Likely
ADX-94	201.49	Private	R4UB3x	N/A	0.08	10.10	26.93	0.02	0.01	0.00	0.03	0.00	Trapezoidal drainage ditch, <1% gradient	Likely	Likely
AW-95	201.51	Private	PEMC	Slope/Flats	1.47	172.03	286.72	0.42	0.02	0.00	0.44	0.00	Irrigated hay field wetland, similar to AW93	Likely	Likely
ADX-96	201.63	Private	R4UB3x	N/A	0.14	15.64	41.71	0.03	0.00	0.00	0.03	0.00	16' average width, u-shaped ditch, <1% gradient	Likely	Likely
ADX-97	203.90	Private	R4UB3x	NA	0.58	-	-	0.00	0.00	0.00	0.00	0.00	20' average width, trapezoidal ditch, <1% gradient	Likely	Likely
ADX-99	203.97	Private	R4UB3x	N/A	0.08	10.95	29.20	0.02	0.03	0.00	0.05	0.00	Ditch along County Highway 888	Likely	Unlikely
AW-98	203.94	Private	PEMC	Slope/Flats	0.11	-	-	0.00	0.05	0.00	0.05	0.00	Depressional wetland adjacent to ditch (ADX99)	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
ADX-100	204.12	Private	R4UB3x	N/A	0.61	43.99	117.31	0.09	0.00	0.00	0.09	0.00	20' average width, trapezoidal ditch, <1% gradient	Likely	Likely
ADX-101	204.33	Private	R4UB3x	N/A	0.15	12.91	34.43	0.03	0.00	0.00	0.03	0.00	15' average width, trapezoidal ditch, <1% gradient	Likely	Likely
AW-102	204.34	Private	PEMC	Slope/Flats	0.02	-	-	0.00	0.00	0.00	0.00	0.00	Emergent wetland adjacent to hayfield	Likely	Likely
ADX-103	204.50	Private	R4UB3x	N/A	0.66	-	-	0.00	0.00	0.00	0.00	0.00	20' average width, trapezoidal ditch, <1% gradient	Likely	Likely
ADX-104	204.74	Private	R4UB3x	N/A	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Contiguous to ADX103	Likely	Likely
ADX-105	204.74	Private	R4UB3x	N/A	0.30	17.76	47.36	0.05	0.00	0.00	0.05	0.00	20' average width, trapezoidal ditch, <1% gradient	Likely	Likely
ADX-106	204.91	Private	R4UB3x	N/A	0.07	7.31	19.49	0.02	0.01	0.00	0.03	0.00	3' average width, u-shaped ditch, <1% gradient	Likely	Unlikely
ADX-107	204.98	Private	R4UB3x	N/A	0.05	7.35	19.60	0.02	0.00	0.00	0.02	0.00	7' average width, u-shaped ditch, <1% gradient	Likely	Unlikely
AW-108	205.11	Private	PEMC	Slope/Flats	4.17	476.08	793.47	1.07	0.36	0.00	1.43	0.00	Irrigated pasture	Likely	Unlikely
ADX-109	205.40	Private	R4UB3x	N/A	0.20	27.55	73.47	0.05	0.00	0.00	0.05	0.00	20' average width, u-shaped ditch, <1% gradient	Likely	Likely
					Total	**12262.17**	**20745.35**	**28.30**	**14.25**	**0.00**	**42.55**	**0.00**			
Eastern Slopes Ecoregion, Lost River Sub-basin (HUC 18010204), Mills Creek-Lost River (HUC 1801020409) Fifth field Watershed [3], Klamath County, Oregon															
ADX-111	205.96	Private	R4UB3x	N/A	0.49	54.90	146.40	0.12	0.00	0.00	0.12	0.00	25-30' wide canal adjacent to ADX110 and 112	Likely	Likely
ADX-110	205.94	Private	R4UB3x	N/A	0.05	5.14	13.71	0.01	0.01	0.00	0.02	0.00	Maintained drainage ditch, 2-4' wide, 1-2" deep	Likely	Unlikely
ADX-112	205.97	Private	R4UB3x	N/A	0.39	54.90	146.40	0.09	0.03[6]	0.00	0.12	0.00	Wet ditch, may be jurisdictional	Likely	Unlikely
ADX-113	206.51	Private	R4UB3x	N/A	0.22	23.85	63.60	0.05	0.00	0.00	0.05	0.00	12' wide irrigation ditch connects to ADX111	Likely	Likely
AW-114	207.12	Private	PEM/R4UB3x	Slope/Flats	0.03	3.90	6.50	0.01	0.00	0.00	0.01	0.00	Wet portion of drainage ditch	Likely	Likely
ADX-115	207.26	Private	R4UB3x	N/A	0.48	53.20	141.87	0.11	0.00	0.00	0.11	0.00	Roadside drainage ditch, ~20' wide	Likely	Likely
ADX-116	207.40	Private	R4UB3x	N/A	0.29	32.80	87.47	0.07	0.00	0.00	0.07	0.00	Mostly unvegetated drainage ditch adjacent to ADX117	Likely	Unlikely
ADX-117	207.42	Private	R4UB3x	N/A	0.35	38.16	101.76	0.08	0.00	0.00	0.08	0.00	Adjacent to ADX116, eastern 50' contains wetland species	Likely	Unlikely
ADX-118	207.60	Private	R4UB3x	N/A	0.53	62.21	165.89	0.13	0.00	0.00	0.13	0.00	30' wide drainage ditch with steep banks.	Likely	Likely
ADX-119	207.99	Private	R4UB3x	N/A	0.91	34.26	91.36	0.07	0.00	0.00	0.07	0.00	30' wide drainage ditch with no vegetation on banks	Likely	Likely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
AW-122	208.01	Private	PEMC	Slope/Flats	0.04	-	-	0.00	0.00	0.00	0.00	0.00	Depressional area near farm road, actively irrigated	Likely	Likely
ADX-120	208.07	Private	R4UB3x	N/A	0.07	7.51	20.03	0.02	0.00	0.00	0.02	0.00	2' wide irrigation ditch	Likely	Unlikely
ADX-121	208.07	Private	R4UB3x	N/A	0.05	5.79	15.44	0.01	0.00	0.00	0.01	0.00	Associated with AW122	Likely	Likely
ADX-123	208.18	Private	R4UB3x	N/A	0.35	30.24	80.64	0.08	0.00	0.00	0.08	0.00	Deep drainage ditch with reed canary grass	Likely	Unlikely
ADX-124	208.23	Private	R4UB3x	N/A	0.07	8.23	21.95	0.02	0.03	0.00	0.05	0.00	3-5' wide ditch, 1' deep water with little vegetation	Likely	Unlikely
ADX-125	208.28	Private	R4UB3x	N/A	0.05	12.83	34.21	0.03	0.01	0.00	0.04	0.00	2' wide irrigation ditch, 8" deep water with little vegetation	Likely	Unlikely
ADX-126	208.29	Private	R4UB3x	N/A	0.07	15.15	40.40	0.03	0.00	0.00	0.03	0.00	2-2.5' wide irrigation ditch	Likely	Unlikely
ADX-128	208.78	Private	R4UB3x	N/A	0.15	16.48	43.95	0.04	0.00	0.00	0.04	0.00	Roadside drainage ditch with little vegetation	Likely	Unlikely
AW-127	208.79	Private	PEM/R4UB3x	N/A	0.12	12.60	21.00	0.03	0.00	0.00	0.03	0.00	Roadside drainage ditch with wetland characteristics	Likely	Unlikely
ADX-129	208.85	Private	R4UB3x	N/A	0.27	48.98	130.61	0.12	0.05	0.00	0.17	0.00	Roadside ditch, trapezoidal, <2% gradient, 10-12' wide	Likely	Likely
ADX-130	209.02	Private	R4UB3x	N/A	0.22	28.02	74.72	0.06	0.00	0.00	0.06	0.00	20' wide drainage ditch with no vegetation, 2' water	Likely	Likely
ADX-131	209.05	Private	R4UB3x	N/A	0.07	10.10	26.93	0.02	0.00	0.00	0.02	0.00	1-2' wide roadside drainage ditch	Likely	Unlikely
AW-132	209.14	Private	PEM/R4UB3x	N/A	0.17	13.42	22.37	0.03	0.00	0.00	0.03	0.00	5-8' wide roadside ditch overgrown with wetland species	Likely	Unlikely
ADX-133	209.15	Private	R4UB3x	N/A	0.02	2.56	6.83	0.01	0.00	0.00	0.01	0.00	1-2' wide ditch with wetland species	Likely	Unlikely
ADX-134	209.15	Private	R4UB3x	N/A	0.13	16.03	42.75	0.03	0.00	0.00	0.03	0.00	10-12' wide irrigation lateral drainage	Likely	Unlikely
ADX-135	209.16	Private	R4UB3x	N/A	0.07	7.99	21.31	0.02	0.00	0.00	0.02	0.00	15' wide irrigation lateral drainage, 2-3' deep water	Likely	Unlikely
ADX-141	209.46	Private	R4UB3x	N/A	0.07	7.38	19.68	0.01	0.00	0.00	0.01	0.00	8-10' wide, 4-5' deep	Likely	Unlikely
ADX-142	210.16	Private	R4UB3x	N/A	0.07	7.47	19.92	0.02	0.00	0.00	0.02	0.00	Roadside ditch, connects to other waters, 9-10' wide	Likely	Likely
ADX-143	210.26	Private	R4UB3x	N/A	0.18	17.90	47.73	0.04	0.00	0.00	0.04	0.00	Deep, steep sided ditch, 35' wide at top of bank	Likely	Likely
ADX-260	210.85	Private	R4UB3x	N/A	0.10	8.83	23.55	0.02	0.00	0.00	0.02	0.00	U-shaped irrigation ditch 2-5' deep, 2'wide	Likely	Unlikely
ADX-261	210.87	Private	R4UB3x	N/A	0.16	10.13	27.01	0.02	0.01	0.00	0.03	0.00	U-shaped irrigation ditch 2-5' deep, 2'wide	Likely	Unlikely
WW-003-002	211.19	Private	PEMC	Slope/Flats	0.05	8.42	14.03	0.02	0.00	0.00	0.02	0.00	Seasonally flooded wetland.	Likely	Unlikely
WW-003-001	211.20	Private	PEMC	Slope/Flats	0.09	11.92	19.87	0.02	0.01	0.00	0.03	0.00	Wetland located in lowest part of ditch that runs along south side of private drive.	Likely	Unlikely

TABLE N-1a

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Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
NDX-29	211.32	Private	R4UB3Cx	N/A	0.15	18.13	48.35	0.04	0.00	0.00	0.04	0.00	Ditch	Likely	Unlikely
NDX-30	211.34	Private	R4UB3Cx	N/A	0.12	17.63	47.01	0.04	0.00	0.00	0.04	0.00	Ditch	Likely	Unlikely
SS-003-003	211.43	Private	R4UB3Cx		0.19	-	-	0.00	0.00	0.00	0.00	0.00	Ditch	Likely	Unlikely
NDX-92	211.52	Private	R4UB3Cx	N/A	0.09	8.60	22.93	0.02	0.00	0.00	0.02	0.00	Ditch	Likely	Likely
SS-003-004 (NDX 093)	211.53	Private			0.31	13.45	35.87	0.03	0.06	0.00	0.09	0.00	Ditch fed by culvert to west, from under highway 39	Likely	Unlikely
ADX-145	211.57	Private	R4UB3x	N/A	0.08	-	-	0.00	0.00	0.00	0.00	0.00	Irrigation ditch 2-4' wide	Likely	Unlikely
AW-144	211.61	Private	PUB3W	Slope/Flats	0.09	-	-	0.00	0.00	0.00	0.00	0.00	Wet ditch, 25' west of centerline	Likely	Likely
ADX146	211.64	Private	R4UB3x	N/A	0.01	-	-	0.00	0.00	0.00	0.00	0.00	Ditch	Likely	Unlikely
WW-003-003	211.67	Private	PEMC	Slope/Flats	0.33	-	-	0.00	0.03	0.00	0.03	0.00	Ditch wetland along north side of Cemetery Road. Eventually connects with Lost River via culverts and a ditch.	Likely	Unlikely
EDX-01	211.80	Private	R4UB3Cx	NA	0.05	-	-	0.00	0.00	0.00	0.00	0.00	Ditch	Likely	Unlikely
NSP-1 Lost River	212.07	State	R3UBH	Riverine F/T	0.73	73.65	196.40	0.16	0.05	0.00	0.22	0.00	Lost River	Likely	Likely
EW-86	212.51	Private	PEMC	Slope/Flats	0.64	91.43	152.38	0.23	0.29	0.01	0.53	0.00	Emergent wetland associated with Lost River	Likely	Likely
EDX-54 (EDX-89)	212.51	Private	R4UB3Cx	N/A	0.02	-	-	0.00	0.00	0.01	0.01	0.00	Canal connected to Lost River	Likely	Likely
EW-87	212.54	Private	PEMC	Slope/Flats	0.29	-	-	0.01	0.17	0.00	0.18	0.00	Emergent wetland associated with Lost River	Likely	Likely
ESI-52	212.55	Private	PUB3Cx	Depressional	0.09	-	-	0.00	0.00	0.00	0.00	0.00	2' wide, 6' deep	Likely	Likely
EDX-55 (EDX-90)	212.73	Private	R4UB3Cx	N/A	0.61	17.26	46.03	0.04	0.01	0.00	0.05	0.00	Canal connected to Lost River	Likely	Likely
ADX-313	213.25	Private	R4UB3Cx	N/A	0.07	8.39	22.37	0.01	0.00	0.00	0.01	0.00	10' wide at TOB, 6' at OHWM	Likely	Unlikely
ADX-314	213.26	Private	R4UB3Cx	N/A	0.23	22.36	59.63	0.04	0.00	0.00	0.04	0.00	U-shaped ditch; 10' higher than BDX4 and 6	Likely	Unlikely
ADX-315	213.27	Private	R4UB3Cx	N/A	0.07	7.54	20.11	0.01	0.00	0.00	0.01	0.00	10' wide at TOB, 6' at OHWM; native wetland species	Likely	Unlikely
ADX-316	213.28	Private	R4UB3Cx	N/A	0.02	2.69	7.17	0.00	0.00	0.00	0.00	0.00	2' side, 1' deep U-shaped ditch	Likely	Unlikely
ADX-317	213.43	Private	R4UB3Cx	N/A	0.19	11.02	29.39	0.03	0.00	0.00	0.03	0.00	10' wide at TOB, 4' at OHWM, V-shaped ditch	Likely	Unlikely
ADX-318	213.83	Private	R4UB3Cx	N/A	0.08	8.12	21.65	0.01	0.00	0.00	0.01	0.00	10' wide at TOB, 4' at OHWM, V-shaped ditch	Likely	Unlikely
ADX-318	213.87	Private	R4UB3Cx	N/A	0.16	18.79	50.11	0.03	0.00	0.00	0.03	0.00	10' wide at TOB, 4' at OHWM, V-shaped ditch	Likely	Unlikely
ADX-274	214.17	Private	R4UB3Cx	N/A	0.12	13.74	36.64	0.03	0.00	0.00	0.03	0.00	Ag. Ditch/canal dominated by Lemna sp.	Likely	Unlikely
ADX-275	214.18	Private	R4UB3Cx	N/A	0.98	42.14	112.37	0.09	0.00	0.00	0.09	0.00	Ag. Canal dominated by Typha latifolia, Alisma sp.	Likely	Unlikely

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands
BDX-10	214.34	Private	R4UB3Cx	N/A	<0.01	-	-	0.00	0.00	0.00	0.00	0.00	Ditch	Likely	Unlikely
ASI-51 Unnamed Creek	216.10	Private	PEMA	Riverine F/T	0.13	12.80	34.13	0.03	0.00	0.00	0.03	0.00	6' wide, 2-3% gradient, 1-2" flowing water, 2-3" deep pools	Likely	Likely
ASI-52 Unnamed Creek	216.11	Private	R4SB1	Riverine F/T	0.03	3.01	8.03	0.01	0.00	0.00	0.01	0.00	Ephemeral drainage, 3' average width	Likely	Unlikely
ASI-50 Unnamed Creek	216.30	Private	R4SBC	Riverine F/T	0.08	25.16	67.09	0.02	0.00	0.00	0.02	0.00	Seep/stream with v-shape in northern portion, some wetland	Likely	Likely
ASI-49 Unnamed Creek	216.44	Private	R4SBC	Riverine F/T	0.08	6.84	18.24	0.01	0.00	0.00	0.01	0.00	1-6' wide seep/stream; originates upslope of road off-site	Likely	Likely
AW-48	217.38	Private	PEMC	Slope/Flats	0.20	72.03	120.05	0.11	0.00	0.00	0.11	0.00	Depressional area beyond berm west of stock pond	Unlikely	Likely
AL-47	217.38	Private	PABGx	Lacustrine Fringe	0.29	-	-	0.00	0.00	0.00	0.00	0.00	Stock pond for cattle	Unlikely	Unlikely
ASI-136 Trib. to D Canal	218.09	Private	R4SB1x	Riverine F/T	0.18	13.23	35.28	0.03	0.00	0.00	0.03	0.00	4-25' wide ephemeral stream	Likely	Unlikely
ASI-137 Trib. to D Canal	218.46	Private	R4SB1x	Riverine F/T	0.03	3.06	8.16	0.01	0.00	0.00	0.01	0.00	1-8' (Ave 3') wide ephemeral stream	Likely	Unlikely
ASI-291 Trib. to D Canal	219.69	Private	R4UB3C	Riverine F/T	0.01	1.28	3.41	0.00	0.00	0.00	0.00	0.00	Intermittent stream	Likely	Likely
AW-292	219.69	Private	PEMC	Slope/Flats	0.05	-	-	0.02	0.00	0.00	0.02	0.00	Herb wetland	Likely	Likely
NL-116	219.70	Private	PABGx	Lacustrine F	0.71	0.00	-	0.00	0.68	0.00	0.68	0.00	Excavated pond	Unlikely	Unlikely
ASI-138 Unnamed Creek	221.77	Private	R4UB3	Riverine F/T	0.04	5.16	13.76	0.01	0.00	0.00	0.01	0.00	Intermittent/ephemeral stream with upland vegetation	Likely	Unlikely
EL-77 (EL091)	222.84	Private	PABGx	Lacustrine F	1.43	-	-	0.00	0.00	0.00	0.00	0.00	Pond, PSS vegetation along edge, willow ELPA.	Likely	Likely
ADX-139	223.20	Private	R4SB2x	N/A	0.08	7.55	20.13	0.02	0.00	0.00	0.02	0.00	Excavated drainage ditch with upland vegetation	Unlikely	Unlikely
ESI-50 Trib. to V Canal	224.95	Private	R4SB1	Riverine F/T	0.13	-	-	0.00	0.13[6]	0.00	0.13	0.00	5' wide, intermittent tributary to V Canal Need Description	Likely	Likely
ESI-51 (ESI-92) Trib. to V Canal	224.95	Private	R4SB1	Riverine F/T	0.02	-	-	0.00	0.02	0.00	0.02	0.00	3' wide, intermittent tributary to V Canal	Likely	Likely
ASI-140 Trib. to V Canal	225.07	Private	R4SB1	Riverine F/T	0.23	28.33	75.55	0.06	0.00	0.00	0.06	0.00	Widths vary from 6-20'	Likely	Likely
NW-112	226.78	Private	PEMC	Slope/Flats	4.58	637.31	1062.18	1.35	0.22	0.00	1.57	0.00	Possible agricultural wetland	Likely	Likely
NDX-111	227.29	Private	R4SB2x	N/A	0.51	9.78	26.08	0.02	0.00	0.00	0.02	0.00	Agricultural pond/channel and roadside ditch	Likely	Likely
AL-288	228.13	Private	PABGx	Lacustrine	0.19	-	-	0.00	0.19	0.00	0.19	0.00			
					Total	**1871.78**	**4140.39**	**3.96**	**2.00**	**0.02**	**5.98**	**0.00**			
					Total Wetland Impacts	**49,622.12**	**114,838.55**	**153.04**	**42.75**	**0.06**	**195.85**	**1.55**			

TABLE N-1a

Wetlands and Waterbodies Impacted by the PCGP Project (includes all wetlands within 400-foot survey corridor)

Wetland ID [1] (Waterbody [2])	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Excavated Volume at Crossing (cubic yds)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion[6] (or fill) (acres)	Wetland Description[7]	Regulated by the US Army Corps of Engineers	Regulated by the Oregon Department of State Lands

[1] Jones and Stokes Wetland Survey Waterbody Identification Number.
[2] Pacific Northwest Hydrography Database and Jones and Stokes Field Survey.
[3] USGS Hydrologic Unit Codes.
[4] Key Watershed.
[5] Impacts avoided by HDD,Direct Pipe or Conventional Bored Crossing Methods
[6] Includes acres of uncleared storage area, hydrostatic test water discharge, and rock source and disposal.
[7]Jones and Stokes survey description of wetland and waterbody.
[8] Acres of disturbance for associated with culverted crossing of PAR 132.46
[9] Wetlands delineated by David Evans and Associates within the Jordan Cove Energy Project (FERC Docket CP13-483-000) associated with the Linerboard Mill Site

TABLE N-1b

Summary of Wetland Impacts by Fifth Field/HUC10 Watershed

Ecoregion and Sub-basin[1]	HUC 10/Fifth field Watershed[1]	Approximate Milepost Range[2]	Miles Crossed	Cowardin Classification	Width of Crossing (feet)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion (or fill) (acres)
Coast Range Ecoregion Coos Subbasin (HUC 17100304)	Coos Bay Frontal (HUC 1710030403)	1.47 - 17.82	20.56	Estuarine	12951.34	73.88	2.37	0.00	76.25	0.00
				PEM	11402.11	24.25	17.93	0.00	42.18	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	523.48	1.04	0.54	0.00	1.58	0.36
				R	559.26	1.28	0.12	0.00	1.40	0.00
				PUB	0.00	0.00	0.00	0.00	<0.00	0.00
				Total	**24452.39**	**101.14**	**20.96**	**0.00**	**122.10**	**0.36**
Coast Range Ecoregion, Coquille Subbasin (HUC 17100305)	Coquille River (HUC 1710030505)	17.82 - 19.86	2.03	PEM	0.00	0.00	0.00	0.00	0.00	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	0.00	0.00	0.00	0.00	0.00	0.00
				R	68.40	0.12	0.00	0.00	0.12	0.00
				Total	**68.40**	**0.12**	**0.00**	**0.00**	**0.12**	**0.00**
Coast Range Ecoregion Coquille Subbasin (HUC 17100305)	North Fork Coquille River (HUC 1710030504)	19.86 - 28.13	8.29	PEM	22.59	0.08	0.01	0.00	0.09	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	173.67	0.38	0.00	0.00	0.38	0.12
				R	136.04	0.27	0.01	0.00	0.28	0.00
				Total	**332.30**	**0.73**	**0.02**	**0.00**	**0.75**	**0.12**
Coast Range Ecoregion Coquille Subbasin (HUC 17100305)	East Fork Coquille River (HUC 1710030503)	28.13 - 42.48	9.74	PEM	36.46	0.24	0.00	0.00	0.24	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	0.00	0.00	0.00	0.00	0.00	0.00
				R	191.02	0.39	0.00	0.00	0.39	0.00
				PUB	0.00	0.00	0.00	0.00	0.00	0.00
				Total	**227.48**	**0.63**	**0.00**	**0.00**	**0.63**	**0.00**
Coast Range Ecoregion Coquille Subbasin (HUC 17100305)	Middle Fork Coquille River (HUC 1710030501)	35.81 - 45.70	9.37	PEM	0.00	0.00	0.00	0.00	0.00	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	0.00	0.00	0.00	0.00	0.00	0.00
				R	72.75	0.13	0.00	0.00	0.13	0.00
				Total	**72.75**	**0.13**	**0.00**	**0.00**	**0.13**	**0.00**
Klamath Mountains Ecoregion Coquille Subbasin (HUC 17100305)	Middle Fork Coquille River (HUC 1710030501)	45.70 – 53.15	6.43	PEM	0.00	0.00	0.00	0.00	0.00	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	39.58	0.08	0.00	0.00	0.08	0.03
				R	150.80	0.31	0.00	0.00	0.31	0.00
				PUB	0.00	0.00	0.01	0.00	0.01	0.00
				Total	**190.38**	**0.39**	**0.01**	**0.00**	**0.40**	**0.03**
Klamath Mountains Ecoregion South Umpqua Subbasin (HUC 17100302)	Olalla Creek - Lookingglass Cr (HUC 1710030212)	53.15 - 61.29	8.76	PEM	821.47	1.88	0.20	0.00	2.08	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	1251.17	2.39	0.60	0.00	2.99	0.87
				R	222.87	0.50	0.00	0.00	0.50	0.00
				Total	**2295.51**	**4.77**	**0.80**	**0.00**	**5.57**	**0.87**

TABLE N-1b

Summary of Wetland Impacts by Fifth Field/HUC10 Watershed

Ecoregion and Sub-basin[1]	HUC 10/Fifth field Watershed[1]	Approximate Milepost Range[2]	Miles Crossed	Cowardin Classification	Width of Crossing (feet)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion (or fill) (acres)
Klamath Mountains Ecoregion South Umpqua Subbasin (HUC 17100302)	Clarks Branch -South Umpqua River (HUC 1710030211)	61.29 - 74.55	13.56	PEM	519.58	1.06	0.27	0.00	1.33	0.00
				PSS	0.00	0.00	0.20	0.00	0.20	0.00
				PFO	0.00	0.00	0.00	0.00	0.00	0.00
				R	323.87	0.66	0.13	0.01	0.80	0.00
				Total	**843.45**	**1.72**	**0.60**	**0.01**	**2.33**	**0.00**
Klamath Mountains Ecoregion South Umpqua Subbasin (HUC 17100302)	Myrtle Creek (HUC 1710030210)	74.55 – 82.71	8.76	PEM	636.39	0.32	0.03	0.00	0.35	0.00
				PSS	7.86	0.02	0.00	0.00	0.02	<0.01
				PFO	6.30	0.01	0.00	0.00	0.01	0.00
				R	137.00	0.25	0.16	0.00	0.41	0.00
				PUB	0.00	0.00	0.00	0.00	0.00	0.00
				Total	**787.55**	**0.60**	**0.19**	**0.00**	**0.79**	**<0.01**
Klamath Mountains Ecoregion South Umpqua Subbasin (HUC 17100302)	Days Creek - South Umpqua River (HUC 1710030205)	82.71 - 91.93	9.56	PEM	0.00	0.00	0.04	0.00	0.04	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	0.00	0.00	0.00	0.00	0.00	0.00
				R	85.39	0.17	0.01	0.01	0.19	0.00
				Total	**85.39**	**0.17**	**0.05**	**0.01**	**0.23**	**0.00**
Cascades Ecoregion South Umpqua Subbasin (HUC 17100302)	Days Creek - South Umpqua River (HUC 1710030205)	91.93 – 101.83	10.21	PEM	334.69	0.48	0.07	0.00	0.55	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	0.00	0.00	0.00	0.00	0.00	0.00
				R	147.59	0.31	0.36	0.00	0.67	0.00
				Total	**482.28**	**0.79**	**0.43**	**0.00**	**1.22**	**0.00**
Cascades Ecoregion South Umpqua Subbasin (HUC 17100302)	Upper Cow Creek (HUC 1710030206)	101.83-111.12	5.28	PEM	93.95	0.22	0.00	0.00	0.22	0.00
				PSS	47.21	0.11	0.05	0.00	0.16	<0.01
				PFO	0.00	0.00	0.00	0.00	0.00	0.00
				R	125.16	0.17	0.03	0.00	0.20	0.00
				Total	**266.32**	**0.50**	**0.08**	**0.00**	**0.58**	**<0.01**
Cascades Ecoregion Upper Rogue Subbasin (HUC 17100307)	Trail Creek (HUC 1710030706)	111.12 - 121.78	10.69	PEM	27.89	0.05	0.00	0.00	0.05	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	0.00	0.00	0.00	0.00	0.00	0.00
				R	41.90	0.12	0.01	0.00	0.13	0.00
				PUB	0.00	0.00	0.07	0.00	0.07	0.00
				Total	**69.79**	**0.17**	**0.08**	**0.00**	**0.25**	**0.00**
Cascades Ecoregion Upper Rogue Subbasin (HUC 17100307)	Shady Cove- Rogue River (HUC 1710030707)	121.78 – 130.16	8.10	PEM	139.85	0.30	0.04	0.00	0.34	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	30.00	0.07	0.00	0.00	0.07	0.02
				R	63.63	0.13	0.29	0.01	0.43	0.00
				Total	**233.48**	**0.50**	**0.33**	**0.01**	**0.84**	**0.02**
Cascades Ecoregion Upper Rogue Subbasin (HUC 17100307)	Big Butte Creek (HUC 1710030704)	129.54 - 135.04	5.08	PEM	1233.00	2.48	0.78	0.01	3.27	0.00
				PSS	291.08	0.42	0.04	0.00	0.46	0.07
				PFO	40.44	0.09	0.00	0.00	0.09	0.03
				R	70.33	0.16	0.10	0.00	0.26	0.00
				Total	**1634.85**	**3.21**	**0.92**	**0.01**	**4.08**	**0.10**

TABLE N-1b

Summary of Wetland Impacts by Fifth Field/HUC10 Watershed

Ecoregion and Sub-basin[1]	HUC 10/Fifth field Watershed[1]	Approximate Milepost Range[2]	Miles Crossed	Cowardin Classification	Width of Crossing (feet)	Acres of Construction ROW in Wetland	Acres of Temporary Extra Work Area in Wetland	Acres of Temporary Access Road in Wetland	Total Construction Disturbance in Wetland (acres)	Total Permanent Wetland Vegetation Type Conversion (or fill) (acres)
Cascades Ecoregion Upper Rogue Subbasin (HUC 17100307)	Little Butte Creek (HUC 1710030708)	135.04 - 153.30	18.52	PEM	1682.29	4.26	1.95	0.00	6.21	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	0.00	<0.01	0.00	0.00	<0.01	0.00
				R	363.41	0.77	0.08	0.00	0.85	0.00
				PUB	54.30	0.06	0.00	0.00	0.06	0.00
				Total	**2100.00**	**5.09**	**2.03**	**0.00**	**7.12**	**0.00**
Eastern Slopes Ecoregion Upper Rogue Subbasin (HUC 17100307)	Little Butte Creek (HUC 1710030708)	153.30 – 168.00	14.37	PEM	0.00	0.00	0.00	0.00	0.00	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	0.00	0.00	0.00	0.00	0.00	0.00
				R	41.90	0.13	0.00	0.00	0.13	0.00
				Total	**41.90**	**0.13**	**0.00**	**0.00**	**0.13**	**0.00**
Eastern Slopes Ecoregion Upper Klamath R. Subbasin (HUC 18010206)	Spencer Creek (HUC 1801020601)	168.00 – 183.02	15.13	PEM	154.82	0.27	0.00	0.00	0.27	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	0.00	0.00	0.00	0.00	0.00	0.00
				R	144.86	0.40	0.00	0.00	0.40	0.00
				Total	**299.65**	**0.67**	**0.00**	**0.00**	**0.67**	**0.05**
Eastern Slopes Ecoregion Upper Klamath R. Subbasin (HUC 18010206)	John C Boyle Res-Klamath River (HUC 1801020602)	183.02 – 188.41	5.38	PEM	0.00	0.00	0.00	0.00	0.00	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	0.00	0.00	0.00	0.00	0.00	0.00
				PUB	0.00	0.00	0.00	0.00	0.00	0.00
				R	20.47	0.07	0.00	0.00	0.07	0.00
				Total	**20.47**	**0.07**	**0.00**	**0.00**	**0.07**	**0.00**
Eastern Slopes Ecoregion Lost River Subbasin (HUC 18010204)	Lake Ewauna - Klamath River (HUC 1801020412)	188.41 - 205.59	16.06	PEM	11653.79	26.15	11.29	0.00	37.44	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	0.00	0.00	0.00	0.00	0.00	0.00
				R	608.38	2.10	2.17	0.00	4.27	0.00
				PUB	0.00	0.00	0.76	0.00	0.76	0.00
				PABGh	0.00	0.02	0.03	0.00	0.05	0.00
				L1	0.00	0.03	0.00	0.00	0.03	0.00
				Total	**12262.17**	**28.30**	**14.25**	**0.00**	**42.55**	**0.00**
Eastern Slopes Ecoregion Lost River Subbasin (HUC 18010204)	Mills Creek- Lost River (HUC 1801020409)	205.59 – 228.18	22.62	PEM	863.83	1.86	0.72	0.01	2.59	0.00
				PSS	0.00	0.00	0.00	0.00	0.00	0.00
				PFO	0.00	0.00	0.00	0.00	0.00	0.00
				R	1007.95	2.10	0.41	0.01	2.53	0.00
				PABGx	0.00	0.00	0.87	0.00	0.87	0.00
				PUB	0.00	0.00	0.00	0.00	0.00	0.00
				Total	**1871.78**	**3.96**	**2.00**	**0.02**	**5.98**	**0.00**
Total					**49,622.12**	**153.04**	**42.75**	**0.06**	**195.85**	**1.55**

[1] Subbasin and Fifth Field Watersheds/HUC 10 USGS Hydrologic Unit Codes
[2] Mileposts overlap between fifth field watersheds when alignment is located on the boundary between two adjacent watersheds.

TABLE N-2

High Value Wetlands Affected by the Pacific Connector Pipeline Project

Wetland ID (Waterbody)	Milepost	Jurisdiction	Cowardin Classification	Dominant Oregon HGM	Acres Within Project Survey Corridor	Width of Crossing (feet)	Total Construction Disturbance in Wetland (acres)	High Quality/Value Wetland Justification
Coast Range Ecoregion, Coos Sub-basin (HUC 17100304), Coos Bay Frontal (HUC 1710030403) Fifth field Watershed [3], Coos County, Oregon								
NE026 Coos Bay	2.92R	State	E1UBL	Estuarine	119.88	12951.34	76.25	Estuarine salt marsh and tidal mudflats
BW110	8.71	Private	PFOC	Slope/Flats	2.39	405.26	0.85	Large forested wetland on edge of Coos River floodplain
Coast Range Ecoregion, Coquille Sub-basin (HUC 17100305), North Fork Coquille River (HUC 1710030504) Fifth field Watershed [3,] Coos County, Oregon								
CW010	23.38	BLM - Coos Bay District	PFOC	Slope/Flats	0.62	173.67	0.38	Forested slope wetland
Klamath Mountains Ecoregion, Coquille Sub-basin (HUC 17100305), Middle Fork Coquille River (HUC 1710030501) Fifth field Watershed [3], Douglas County, Oregon								
BSP257 Deep Creek	48.27	BLM - Roseburg District	R3UB1H	Riverine F/T	0.78	85.30	0.17	Perennial stream listed here because it is heavily vegetated with scrub-shrub and may include a wetland fringe.
Klamath Mountains Ecoregion, South Umpqua Sub-basin (HUC 17100302), Olalla Creek-Lookingglass Cr (HUC 1710030212) Fifth field Watershed [3], Douglas County, Oregon								
BW161	56.78	Private	PFOC	Slope/Flats	0.57	71.16	0.19	Ash-dominated wetland
BW162	56.83	Private	PFO/PEMC	Slope/Flats	0.42	98.88	0.24	Forested wetland – headwater
Klamath Mountains Ecoregion, South Umpqua Sub-basin (HUC 17100302), Myrtle Creek (HUC 1710030211)) Fifth field Watershed [3], Douglas County, Oregon								
BW258	77.62	Private	PEMC	Slope/Flats	0.48	49.50	0.08	Spring seep wetland that continues off-site
Cascades Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Rogue River-Shady Cove (HUC 1710030707)) Fifth field Watershed [3], Jackson County, Oregon								
AW309 Trib. to Indian Creek	128.89	BLM - Medford District	PFOC	Slope/Flats	0.27	30.00	0.07	Forested wetland/stream
Cascades Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Big Butte Creek (HUC 1710030704)) Fifth field Watershed [3], Jackson County, Oregon								
AW264	132.77	Private	PFO/R4SB1C	Riverine F/T	0.57	40.44	0.09	Wetland with perennial stream running through it
AW263	133.13	Private	PEMC	Slope/Flats	4.74	497.68	1.00	Large, spring fed, slope wetland; continues off site
Cascades Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Little Butte Creek (HUC 1710030708)) Fifth field Watershed [3], Jackson County, Oregon								
AW225	139.56	Private	PEMC	Slope/Flats	1.74	128.13	0.19	Linear swale fed by seeps/streams
EW033	142.45	Private	PEMC	Slope/Flats	9.93	764.76	2.83	Large PEM complex, associated with floodplain of Salt Creek. – irrigated
EW035	142.45	Private	PEMC	Slope/Flats	3.67	408.16	1.24	Large PEM complex, associated with floodplain of Salt Creek. - irrigated
AW185	152.20	BLM - Medford District	PFOC	Slope/Flats	0.17	0.00	0.01	Forested streambank with wetland characteristics
Eastern Slopes Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Little Butte Creek (HUC 1710030708)) Fifth field Watershed [3, 4], Jackson County, Oregon								
ESI076 (ESI084) Daley Creek	166.21	Forest Service - Rogue River-Shady Cove NF	R4UBC	Riverine F/T	0.36	29.36	0.10	30-40' wide braided channel, cobble/gravel substrate, trib. to Daley Creek.- riparian
Eastern Slopes Ecoregion, Upper Klamath R. Sub-basin (HUC 18010206), Spencer Creek (HUC 1801020601)) Fifth field Watershed [3, 4], Klamath County, Oregon								
Spencer Creek EW085	171.07	Forest Service - Fremont-Winema NF	PEMC	Slope/Flats	1.51	154.82	0.27	Scrub-shrub wetland swale, associated with Spencer Creek
Clover Creek EW103	177.76	Private	PEMC/PSSC	Slope/Flats	2.35	123.95	0.33	Scrub-shrub, seep wetland associated with Clover Creek

TABLE N-3

Waterbodies Crossed by the Pacific Connector Pipeline

Waterbody[1]	Approximate Pipeline Milepost	Waterbody ID[4]	PNWHF Waterbody Identification Number (LLID)[5] Jurisdiction	Width of Crossing (feet)	Excavated Volume at Crossing (yds)	Crossing Method[6] Scour Level[12]	FERC Classification[7]	Cowardin Classification	Stream Type	ODF or NWFP Stream Classification[8,9]	Oregon Department of Environmental Quality Water Quality Limited Streams[10]
Coast Range Ecoregion, Coos Sub-basin (HUC 17100304), Coos Bay-Frontal Pacific Ocean (HUC 1710030403) Fifth field Watershed[2], Coos County, Oregon											
Coos Bay	2.92R	NE-26	1243397433543 State	12,976.15	53,307.75[14]	Wet Open-Cut Level 1[13]	Major	E2EMP/N, E1UBL, E2USN, E1UBL,	Estuary	F	Fecal Coliform/Year-Round – Cat: 5
Trib. to Coos Bay	4.97R	GSI-26	1242017434500 Private	4.85	12.93	Dry Open-Cut	Minor	R4	Intermittent	N	
Trib. to Kentuck Slough	6.27R	EE-4/GW-27	1241795434269 Private	12.93	34.48	Dry Open-Cut	Intermediate	PEM	Intermittent	N	
Kentuck Slough	6.33R	EE-5/GSP-28	1242068434143 Private	-	-	Conventional Bore	Intermediate	R2	Perennial	F	Fecal Coliform/Year-Round – Cat: 5 (river mile 0-2.2) Dissolved Oxygen/Year-Round – Cat: 5 Habitat Modification Cat. 4C
Trib. to Coos Bay	6.39R	NW-117/EE06	1241902434209 Private	10.40	27.73	Dry Open-Cut	Major	PEM	Perennial	F	
Willanch Slough	8.27R	EE-7	1242083434031 Private	23.87	63.65	Dry Open-Cut	Intermediate	R2	Perennial	F	Fecal Coliform/Year-Round – Cat: 5 (river mile 0.7-2.8)
Trib. to Willanch Slough	8.48R	GDX-30	Private	13.42	35.79	Dry Open-Cut	Intermediate	R4	Intermittent	Unknown	
Trib. to Cooston Channel (Echo Creek)	10.22R	SS-100-002	1241722433697 Private	84.01	224.03	Dry Open-Cut	Intermediate	R4	Intermittent	F	Fecal Coliform/Year-Round – Cat: 5
Coos River	11.13R	BSP-119	1241999433842 State	-	-	HDD Level 1[13]	Major	R2OWN	Perennial	F	Fecal Coliform/Year-Round – Cat: 5
Vogel Creek	11.52R	SS-100-004	Private	39.47	105.25	Dry Open-Cut	Intermediate	R2UBHx	Perennial	F	
Vogel Creek	11.58R	SS-100-005	Private	-	-	Adjacent to centerline within ROW	N/A	R2UBHx	Perennial	F	
Trib. to Coos River	11.77R	SS-100-006	Private	12.03	32.08	Dry Open-Cut	Minor	R2UBHx	Perennial	Unknown	
Trib. to Lillian Creek	11.91R	SS-100-007	1241480433638 Private	8.38	22.35	Dry Open-Cut	Minor	R2UBHx	Perennial	Unknown	
Lillian Creek	12.07R	SS-100-002a	124153343362 Private	75.18	200.48	Dry Open-Cut	Intermediate	R2UBHx	Perennial	F	
Trib. to Coos River	12.22R	SS-100-008	1241545433620 Private	18.16	48.43	Dry Open-Cut	Intermediate	R2UBHx	Perennial	Unknown	
Station equation added with the incorporation of WC-1A-2A (i.e., MP 12.39R = MP 8.59)											
Trib. to Coos River	8.67	BDX-109	1241562433627 Private	5.72	15.25	Dry Open-Cut	Minor	R2UB3H	Intermittent	Unknown	
Trib. to Coos River	8.73	BDX-109a	1241562433627 Private	4.45	11.87	Dry Open-Cut	Minor	R2UB3H	Intermittent	Unknown	
Trib. to Catching Slough	9.02	BSP-104	1241704433522 Private	2.33	6.21	Dry Open-Cut	Minor	R2UB3H	Perennial	F	
Trib. to Catching Slough	9.19	BSP-105	1241675433517 Private	2.83	7.55	Dry Open-Cut	Minor	R2UB3H	Perennial	F	
Trib. to Catching Slough	9.33	DSI-3	1241489433510 Private	11.72	31.25	Dry Open-Cut	Intermediate	R4UB3C	Intermittent	Unknown	
Trib. to Catching Slough	9.51	DSP-2	1241530433517 Private	4.20	11.20	Dry Open-Cut (Streambed - bedrock	Minor	R3SB1H	Perennial	N	
Unnamed Stream	10.04	SS-222-005	Private	-	-	Adjacent to centerline within ROW	Minor	R2UB3H	Perennial	Unknown	
Monkey Gulch	10.20	DA-5X	Private	9.68	25.81	Dry Open-Cut	Minor	R2UBHx	Perennial	F	
Stock Slough	10.32	BSP-88	1241571433361 Private	15.67	41.79	Dry Open-Cut Level 113	Intermediate	R2UBHx	Perennial	F	Fecal Coliform/Year-Round – Cat: 5
Pasture Pond	10.40	BL-84	Private	-	-	Adjacent to centerline within ROW	NA	PUBYx	Stock Pond	N	
Trib. to Catching Slough	10.98	BDX-81	Private	14.95	39.87	Dry Open-Cut	Intermediate	R4UB1Cx	Intermittent	N	
Trib. to Catching Slough	11.03	BDX-80	Private	1.48	3.95	Dry Open-Cut	Minor	R4UB1Cx	Intermittent	N	
Catching Slough	11.11	BSP-79	1241572433284 Private	-	-	Conventional BoreLevel 113	Major	R2OWN	Perennial	F	Fecal Coliform/Year-Round – Cat: 5
Trib. to Catching Slough	11.29	BDX-118	1241553433277 Private	9.24	24.64	Dry Open-Cut	Minor	R4UB1Cx	Intermittent	F	
Trib. to Catching Slough	11.47	BSP-114	Private	2.02	5.39	Dry Open-Cut	Minor	R3UB3H	Perennial	Unknown	
Trib. to Catching Slough	11.78	BSP-103	1241608433185 Private	3.07	8.19	Dry Open-Cut	Minor	R2UB3H	Perennial	Unknown	

TABLE N-3

Waterbodies Crossed by the Pacific Connector Pipeline

Waterbody[1]	Approximate Pipeline Milepost	Waterbody ID[4]	PNWHF Waterbody Identification Number (LLID)[5] Jurisdiction	Width of Crossing (feet)	Excavated Volume at Crossing (yds)	Crossing Method[6] Scour Level[12]	FERC Classification[7]	Cowardin Classification	Stream Type	ODF or NWFP Stream Classification[8,9]	Oregon Department of Environmental Quality Water Quality Limited Streams[10]
Trib. to Catching Slough	11.84	BSP-101	1241655433196 Private	1.22	3.25	Dry Open-Cut	Minor	R2UB3H	Perennial	Unknown	
Trib. to Catching Slough	11.87	BSP-100	1241655433196 Private	4.76	12.69	Dry Open-Cut	Minor	R2UB3H	Perennial	N	
Trib. to Catching Slough	12.05	NSI-41	1241649433195 Private	1.21	3.23	Dry Open-Cut	Minor	R4SBC	Intermittent	N	
Trib. to Catching Slough	12.27	NSI-92	Private	4.99	13.31	Dry Open-Cut	Minor	R4SBC	Intermittent	Unknown	
Trib. to Catching Slough	12.31	NSI-93	Private	4.00	10.67	Dry Open-Cut	Minor	R4SBC	Intermittent	Unknown	
Trib. to Catching Slough	12.39	NSI-94	Private	-	-	Adjacent to centerline within ROW	Minor	R4SBC	Intermittent	None	
Trib. to Catching Slough	12.39	NSI-95	1241711433132 Private	6.76	18.03	Dry Open-Cut	Minor	R4SBC	Intermittent	None	
Trib. to Catching Slough	12.45	NSI-97	Private	5.54	14.77	Dry Open-Cut	Minor	R4SBC	Intermittent	None	
Trib. to Catching Slough	12.52	NSI-98	1241709433122 Private	6.14	16.37	Dry Open-Cut	Minor	R4SBC	Intermittent	None	
Trib. to Ross Slough	12.66	BSP-120	1241852433075 Private	-	-	Adjacent to centerline within ROW	Minor	R2SB3C	Perennial	Unknown	
Trib. to Ross Slough	12.68	BSP-121	1241852433075 Private	-	-	Adjacent to centerline within ROW	Minor	R2SB3C	Perennial	Unknown	
Trib. to Ross Slough	12.83	BSP-122	1241842433046 Private	5.19	13.84	Dry Open-Cut	Minor	R2SB3C	Perennial	None	
Trib. to Ross Slough	12.90	BSP-125	Private	6.07	16.19	Dry Open-Cut	Minor	R2SB3C	Perennial	Unknown	
Trib. to Ross Slough	12.97	CSP-31	Private	4.21	11.23	Dry Open-Cut	Minor	R3UB1F	Perennial	Unknown	
Trib. to Ross Slough	13.01	CSP-30	1241793433038 Private	3.00	8.00	Dry Open-Cut	Minor	R3UB1F	Perennial	Unknown	
Trib. to Ross Slough	13.11	CSP-29	1241778433044 Private	5.19	13.84	Dry Open-Cut	Minor	R3UB1F	Perennial	None	
Ross Slough	13.55	CSP-28	1241687433509 Private	4.85	12.93	Dry Open-Cut	Minor	R3UB1F	Perennial	Unknown	Temperature/Year-Round – Cat: 5 (rearing)
Trib. to Ross Slough	13.61	CSP-27	1241761432974 Private	3.00	8.00	Dry Open-Cut	Minor	R3UB1F	Perennial	None	
Trib. to Ross Slough	13.70	CSP-26	1241733432965 Private	5.78	15.41	Dry Open-Cut	Minor	R3UB1F	Perennial	None	
Boone Creek	15.71	EDX-78	1241532432789 Private	4.64	12.37	Dry Open-Cut Level 1	Minor	R3SBH	Perennial	F	
Trib. to Boone Creek	16.35	CSI-37	1241561432755 Private	2.15	5.73	Dry Open-Cut	Minor	R4SB3C	Intermittent	N	
Trib. to Boone Creek	16.36	CSP-36	1241561432755 Private	4.10	10.93	Dry Open-Cut	Minor	R3UB1F	Perennial	N	
Trib. to Boone Creek	16.39	CSI-35	1241598432687 Private	3.26	8.69	Dry Open-Cut	Minor	R4SB3C	Intermittent	N	
Trib. To Catching Creek	16.56	CSP-24	1241612432631 Private	1.53	4.08	Dry Open-Cut	Minor	R3UB1F	Perennial	Unknown	
Trib. To Catching Creek	16.62	CSP-23	1241604432619 Private	3.08	8.21	Dry Open-Cut	Minor	R3UB1F	Perennial	N	
Trib. To Catching Creek	16.71	CSP-22	1241594432613 Private	2.34	6.24	Dry Open-Cut	Minor	R3UB1F	Perennial	N	
Trib. To Catching Creek	16.73	CSP-21	1241596432612 Private	5.01	13.36	Dry Open-Cut	Minor	R3UB1F	Perennial	Unknown	
Trib. To Catching Creek	16.78	CSP-20	1241603432608 Private	5.81	15.49	Dry Open-Cut	Minor	R3UB1F	Perennial	N	
Trib. To Catching Creek	16.82	CSP-19	1241561432616 Private	3.00	8.00	Dry Open-Cut	Minor	R3UB1F	Perennial	F	
Trib. To Catching Creek	16.85	CSP-18	1241606432606 Private	8.46	22.56	Dry Open-Cut	Minor	R3UB1F	Perennial	N	
Trib. to Catching Creek	17.42	BLM-17.42	BLM – Coos Bay District	3.51	9.36	Dry Open-Cut	Minor	R4	Intermittent	I - Federal Land	
Catching Creek	17.47	CSP-33	1241452433077 Private	4.25	11.33	Dry Open-Cut	Minor	R3UB1F	Perennial	F	Fecal Coliform/Year-Round – Cat: 5
Coast Range Ecoregion, Coquille Sub-basin (HUC 17100305), Coquille River (HUC 1710030505) Fifth field Watershed 2, Coos County, Oregon											
Trib. To Cunningham Creek	18.20	BSP-92	1241387432420 Private	2.33	6.21	Dry Open-Cut	Minor	R3UB1H	Perennial	Unknown	
Trib. To Cunningham Creek	18.28	BSP-93	1241469432436 Private	1.35	3.60	Dry Open-Cut	Minor	R2UB3H	Perennial	Unknown	
Trib. To Cunningham Creek	18.33	BSP-95	1241458432440 Private	1.38	3.68	Dry Open-Cut	Minor	R2UB3H	Perennial	Unknown	
Trib. To Cunningham Creek	18.48	BSI-96	1241461432438 Private	1.08	2.88	Dry Open-Cut	Minor	R4SB3C	Intermittent	N	

TABLE N-3

Waterbodies Crossed by the Pacific Connector Pipeline

Waterbody[1]	Approximate Pipeline Milepost	Waterbody ID[4]	PNWHF Waterbody Identification Number (LLID)[5] Jurisdiction	Width of Crossing (feet)	Excavated Volume at Crossing (yds)	Crossing Method[6] Scour Level[12]	FERC Classification[7]	Cowardin Classification	Stream Type	ODF or NWFP Stream Classification[8,9]	Oregon Department of Environmental Quality Water Quality Limited Streams[10]
Cunningham Creek	18.93	NSP-42	1242026431787 Private	37.68	100.48	Dry Open-Cut (Streambed- bedrock)6 Level 1	Intermediate	R3SB1H	Perennial	F	Fecal Coliform/Year Round – Cat: 5 Dissolved Oxygen/Year Round – Cat: 5 Habitat Modification – Cat: 4C Flow Modification – Cat: 4C
Trib. To Cunningham Creek	19.06	NSP-43	1241375432355 Private	24.58	65.55	Dry Open-Cut (Streambed- bedrock)6	Intermediate	R3SB1H	Perennial	F	
Coast Range Ecoregion, Coquille Sub-basin (HUC 17100305), North Fork Coquille River (HUC 1710030504) Fifth field Watershed 2, Coos County, Oregon											
Trib. to Steele Creek	20.34	ESI-28	1241154432240BLM – Coos Bay District	6.83	18.21	Dry Open-Cut (Streambed – bedrock)6	Minor	R3SB1H	Intermittent	I - Federal Land	
Trib. to Steele Creek	20.59	ESI-28	1241154432240 Private	4.66	12.43	Dry Open-Cut (Streambed – bedrock)6	Minor	R3SB1H	Intermittent	I - Federal Land	
Trib. to Steele Creek	20.72	DA-6	1241088432232 Private	3.01	8.03	Dry Open-Cut	Minor	R4SB	Intermittent	None	
Trib. to Steele Creek	20.79	DA-7	1241077432223 Private	1.51	4.03	Dry Open-Cut	Minor	R4SB	Intermittent	None	
Trib. to Steele Creek	20.95	DA-8	Private	3.32	8.85	Dry Open-Cut	Minor	R4SB	Intermittent	None	
Steele Creek	21.10	NSP015	1240848432002 Private	12.10	32.27	Dry Open-Cut	Intermediate	R3SB1H	Perennial	F	
Trib. to Steele Creek	21.15	DA-9	Private	1.50	4.00	Dry Open-Cut	Minor	R4SB	Intermittent	Unknown	
Trib. to Steele Creek	21.36	ESI029	1241003432184BLM-Coos Bay District	-	-	Adjacent to centerline within ROW	Minor	R3SB1H	Intermittent	I - Federal Land	
North Fork Coquille River	23.06	BSP-207	1241417430804 Private	20.66	55.09	Dry Open-Cut Level 113	Intermediate	R2UBH	Perennial	Unknown	Biological Criteria/Year-Round – Cat: 5 Dissolved Oxygen/Year-Round – Cat: 5 (non-spawning)Temperature/Year-Round – Cat: 5 (non-spawning)Habitat Modification – Cat: 4C
Trib. to Middle Creek	27.01	BSI-137	1240268431779BLM- Coos Bay District	12.70	33.87	Dry Open-Cut	Intermediate	R4SB3C	Intermittent	I - Federal Land	
Trib. to Middle Creek	27.03	BSI-135	1240268431779BLM- Coos Bay District	-	-	Adjacent to centerline within ROW	Minor	R4SB3C	Intermittent	I - Federal Land	
Middle Creek	27.04	BSP-133	1240712431628BLM- Coos Bay District	64.99	173.31	Dry Open-Cut Level 2	Intermediate	R2SB4H	Perennial	F - Federal Land	Temperature/Year-Round– Cat: 5 (non-spawning)
Coast Range Ecoregion, Coquille Sub-basin (HUC 17100305), East Fork Coquille River (HUC 1710030503) Fifth field Watershed 2, Coos County, Oregon											
Trib. To E. Fork Coquille	28.86	BSP-77	1240014431632 Private	19.36	51.63	Dry Open-Cut (Streambed – bedrock)6 Level 1	Intermediate	R3SB1F	Perennial	F	
Trib. To E. Fork Coquille	29.18	NSI-99	1239937431584 Private	7.48	19.95	Dry Open-Cut	Minor	R4UBC	Intermittent	F	
Trib. to E. Fork Coquille	29.48	BSI-73	1241551433636 Private	13.47	35.92	Dry Open-Cut	Intermediate	R3SB1H	Intermittent	F	
Trib. To E. Fork Coquille	29.53	BSI-76	1239946431580 Private	14.55	38.80	Dry Open-Cut (Streambed – bedrock)6	Minor	R4SB1C	Intermittent	F	
East Fork Coquille River	29.88	BSP-71	1240773431063	61.91	165.09	Dry Open-Cut Level 113	Intermediate	R3OWH	Perennial	F	Temperature/Summer – Cat: 5 Habitat Modification – Cat: 4C
Trib. to E. Fork Coquille	30.22	SS-003-007	Private	23.56	62.83	Dry Open-Cut	Minor	R3SB3	Perennial	N	
Trib. To E. Fork Coquille	31.64	BSI-70	1239583431522BLM- Coos Bay District	1.16	3.09	Dry Open-Cut	Minor	R4UB1C	Intermittent	I - Federal Land	
Elk Creek	32.40	BSP-57	1240218431116 Private	17.61	46.96	Dry Open-Cut Level 113	Minor	R3RB2H	Perennial	F	Temperature/Year-Round – Cat: 5 (non-spawning)
Trib. To Elk Creek	32.44	BSP-55	1239513431370 Private	9.61	25.63	Dry Open-Cut (Streambed – bedrock)6	Minor	R3SB1H	Perennial	F	
Trib. To Elk Creek	32.99	BSP-49	1239524431250 Private	2.34	6.24	Dry Open-Cut	Minor	R3SB1C	Perennial	Unknown	
Trib. To Elk Creek	33.02	BSP-50	1239482431284 Private	-	-	Adjacent to centerline within ROW(Streambed – bedrock)6	Minor	R3SB1C	Perennial	Unknown	
South Fork Elk Creek	34.46	CSP-5	1239778431167 Private	17.72	47.25	Dry Open-Cut (Streambed – bedrock)6 Level 2	Intermediate	R3SB1H	Perennial	F	
Trib. To S. Fork Elk Creek	35.51	BSI-251	1239155431070BLM-Coos Bay District	4.00	10.67	Dry Open-Cut	Minor	R4UB1J	Intermittent	I - Federal Land	
Coast Range Ecoregion, Coquille Sub-basin (HUC 17100305), Middle Fork Coquille River (HUC 1710030501) Fifth field Watershed 2, Coos County, Oregon											
Trib. to Big Creek	35.87	BLM-35.87/CSP- 2	1239061430967BLM-Coos Bay District	1.50	4.00	Dry Open-Cut	Minor	R4SB	Intermittent	I - Federal Land	
Trib. To Big Creek	36.48	BLM 36.48	1238985431032BLM – Coos Bay District	2.26	6.03	Dry Open-Cut	Minor	R4SB	Intermittent	I - Federal Land	

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Waterbodies Crossed by the Pacific Connector Pipeline

Waterbody[1]	Approximate Pipeline Milepost	Waterbody ID[4]	PNWHF Waterbody Identification Number (LLID)[5] Jurisdiction	Width of Crossing (feet)	Excavated Volume at Crossing (yds)	Crossing Method[6] Scour Level[12]	FERC Classification[7]	Cowardin Classification	Stream Type	ODF or NWFP Stream Classification[8,9]	Oregon Department of Environmental Quality Water Quality Limited Streams[10]
Trib. To Big Creek	36.54	GSI025/BSI253	1238985431032BLM-Coos Bay District	6.00	16.00	Dry Open-Cut	Minor	R4UB1J	Intermittent	I - Federal Land	
Trib. To Big Creek	36.85	BLM 36.85	BLM-Coos Bay District	1.50	4.00	Dry Open-Cut	Minor	R4SB	Intermittent	I - Federal Land	
Trib. To Big Creek	36.92	BSI-252	1238901431044BLM-Coos Bay District	3.00	8.00	Dry Open-Cut	Minor	R4UB1J	Intermittent	I - Federal Land	
Trib. to Big Creek	37.33	ESI-19	1238846431056BLM-Coos Bay District	6.72	17.92	Dry Open-Cut	Minor	R4UB1J	Intermittent	I - Federal Land	
Trib. To Big Creek	37.35	ESP-20	1238856431054BLM-Coos Bay District	10.97	29.25	Dry Open-Cut Level 113	Intermediate	R3UB1H	Perennial	F - Federal Land	
Upper Rock Creek	44.21	BSP-41	1238692429883 Private	40.80	108.80	Dry Open-Cut Level 1	Intermediate	R3UB1C	Perennial	F	Temperature/Summer – Cat: 5 (non-spawning)Habitat Modification – Cat: 4C
Klamath Mountains Ecoregion, Coquille Sub-basin (HUC 17100305), Middle Fork Coquille River (HUC 1710030501) Fifth field Watershed 2, Douglas County, Oregon											
Tributary	46.56	S3-07	Private	5.36	14.29	Dry Open-Cut	Minor	R2UB	Perennial	N	
Trib. to Upper Rock Creek											
Deep Creek	48.27	BSP257	1237088430546BLM-Roseburg District	5.16	13.76	Dry Open-Cut	Intermediate	R3UB1H	Perennial	I - Federal Land	
Middle Fork Coquille River	50.28	BSP-30	1241173430339 Private	45.14	120.37	Dry Open-Cut (Streambed – bedrock)6 Level 113	Intermediate	R2OWH	Perennial	F	Dissolved Oxygen/Year-Round – Cat: 5E. Coli/Year Round – Cat: 5 Temperature/Summer – Cat: 5(non-spawning) Habitat Modification – Cat: 4C
Trib. to Middle Fork Coquille	50.45	GDX- 36/BSI066/67	1236800430537 Private	2.63	7.01	Dry Open-Cut	Minor	R4UB3C	Intermittent	N	
Belieu Creek	50.71	BSP061/GSI037	1236823430366 Private	5.60	14.93	Dry Open-Cut	Minor	R3UB3H	Perennial	F	
Trib. to Middle Fork Coquille	51.02	GSI-38	1236690430555BLM-Roseburg District	4.02	10.72	Dry Open-Cut	Intermediate	R4	Intermittent	I - Federal Land	
Unnamed Stream	51.71	SS-222-006	Private	--	-	Adjacent to centerline within ROW	Minor	R4UB	Intermittent	Unknown	
Klamath Mountains Ecoregion, South Umpqua Sub-basin (HUC 17100302), Olalla Creek-Lookingglass Creek (HUC 1710030212) Fifth field Watershed 2, Douglas County, Oregon											
Trib. to Shields Creek	55.90	BSI-202	1235858430773 Private	55.38	147.68	Dry Open-Cut Level 1	Intermediate	R4SB3C	Intermittent	Unknown	
Trib. to Shields Creek	55.94	BSI-203	1235796430789 Private	8.03	21.41	Dry Open-Cut	Minor	R4SB3C	Intermittent	Unknown	
Trib. to Shields Creek	56.28	DA-13	1235757430747 Private	1.50	4.00	Dry Open-Cut	Minor	R4SB	Intermittent	N	
Trib. to Shields Creek	56.34	DA-14	1235785430811 Private	1.55	4.13	Dry Open-Cut	Minor	R4SB	Intermittent	Unknown	
Trib. to Olalla Creek	57.11	BSI-140	1235535430633 Private	4.52	12.05	Dry Open-Cut (Streambed – bedrock)	Minor	R4SB1C	Intermittent	Unknown	
Trib. to Olalla Creek	57.14	BSI-140	1235535430633 Private	2.01	5.36	Dry Open-Cut (Streambed – bedrock)	Minor	R4SB1C	Intermittent	Unknown	
Trib. to Olalla Creek	57.31	BSI-138	1235535430633 Private	5.03	13.41	Dry Open-Cut	Minor	R4SB1C	Intermittent	F	
Trib to Olalla Creek	57.84	BSI-147/EE-12	1235479430651 Private	4.26	11.36	Dry Open-Cut	Minor		Intermittent	N	
Trib. to Olalla Creek	58.20	BSI-151	1235422430690 Private	3.06	8.16	Dry Open-Cut	Minor	R4SB1C	Intermittent	N	
Trib. to Olalla Creek	58.55	BSP-159	1235362430712 Private	10.60	28.27	Dry Open-Cut (Streambed – bedrock)6	Intermediate	R2SB1H	Perennial	N	
Olalla Creek	58.78	BSP-155	1234905431631 Private	77.90	207.73	Dry Open-Cut Level 2	Intermediate	R2SB1H	Perennial	F	Biological Criteria – Cat: 5 Temperature/Year Round – Cat: 4A Iron/Year-Round – Cat: 5Flow Modification – Cat: 4C
Trib. to Olalla Creek	59.29	BSI-132	1235250430793 Private	8.65	23.07	Dry Open-Cut	Minor	R4SB3C	Intermittent	F	
Trib. to Olalla Creek	59.65	BSI-129	1235231430834 Private	18.72	49.92	Dry Open-Cut	Intermediate	R4SB3C	Intermittent	F	
Trib. to McNabb Creek	60.13	NSP-14	1235104430875 Private	6.01	16.03	Dry Open-Cut (Streambed – bedrock)6	Minor	R3SB1H	Perennial	N	
McNabb Creek	60.48	NSP-13	1235187430921 Private	10.96	29.23	Dry Open-Cut (Streambed – bedrock)6 Level 1	Intermediate	R3SB1H	Perennial	F	
Klamath Mountains Ecoregion, South Umpqua Sub-basin (HUC 17100302), Clark Branch-South Umpqua River (HUC 1710030211) Fifth field Watershed 2, Douglas County, Oregon											
Kent Creek	63.97	BSP-240	1234390431042 Private	61.66	164.43	Dry Open-Cut Level 1	Intermediate	R2UB1H	Perennial	F	Flow Modification – Cat: 4C Habitat Modification – Cat: 4C
Trib. to Kent Creek	63.97	BSI-241	1234490430771 Private	-	-	Adjacent to centerline within ROW	Minor	R4UB1J	Intermittent	Unknown	

TABLE N-3

Waterbodies Crossed by the Pacific Connector Pipeline

Waterbody[1]	Approximate Pipeline Milepost	Waterbody ID[4]	PNWHF Waterbody Identification Number (LLID)[5] Jurisdiction	Width of Crossing (feet)	Excavated Volume at Crossing (yds)	Crossing Method[6] Scour Level[12]	FERC Classification[7]	Cowardin Classification	Stream Type	ODF or NWFP Stream Classification[8,9]	Oregon Department of Environmental Quality Water Quality Limited Streams[10]
Rice Creek	65.76	BSP-227	1234142430839 Private	84.56	225.49	Dry Open-Cut(Streambed – bedrock)6 Level 1	Major	R3SB1H	Perennial	F	Temperature/Summer - Cat: 4A (non-spawning)Habitat Modification – Cat: 4C Flow Modification – Cat: 4CE. Coli/Summer – Cat: 4A
Trib. to Willis Creek	66.87	BSI-230	1233983430694 Private	-	-	Adjacent to centerline within ROW(Streambed – bedrock)	Minor	R4SB1J	Intermittent	Unknown	
Willis Creek	66.95	BSP-168	1233989430788 Private	58.30	155.47	Dry Open-Cut (Streambed – bedrock)6Level 1	Intermediate	R3SB1C	Perennial	F	Flow Modification – Cat: 4C
Trib. to Willis Creek	67.00	BSI-169	1233982430692 Private	3.38	9.01	Dry Open-Cut (Streambed – bedrock)6	Intermediate	R4SB3J	Intermittent	N	
Trib. to South Umpqua River	69.10	SS-100-011	1233627430529 Private	-	-	Adjacent to centerline within ROW	N/A	R4	Intermittent	N	
Trib. to South Umpqua River	69.29	SS-100-012	1233689430651 Private	5.46	14.56	Dry Open-Cut	Intermediate	R4	Perennial	Unknown	
Trib. to South Umpqua River	69.35	SS-100-013	1233627430551 Private	10.49	27.97	Dry Open-Cut	Intermediate	R4	Perennial	Unknown	
Trib. to South Umpqua River	69.57	SS-100-014	1233609430544 Private	13.00	34.67	Dry Open-Cut	Minor	R	Intermittent	N	
Trib. to South Umpqua River	71.08	SS-100-015	1233304430548 Private	26.73	71.28	Dry Open-Cut	Intermediate	R4	Intermittent	N	
South Umpqua River	71.30	BSP-26	1234460432680 Private	-	-	Direct Pipe Level 213	Major	R3OWH	Perennial	F	Biological Criteria – Cat: 5 Dissolved Oxygen/Oct. 15-May 15 – Cat: 5 (spawning)Aquatic Weeds or Algae - Cat: 4A Dissolved Oxygen/Year-Round – Cat: 4A (non-spawning) Temperature/Year Round - Cat: 4A (non spawning)Chlorophyll a/Summer - Cat: 4A E Coli/Summer Cat: 4A pH/Summer - Cat: 4A Chlorine/Year-Round – Cat: 4B Flow Modification – Cat: 4C Habitat Modification – Cat: 4C
Trib. to South Umpqua River	71.37	SS-100-016	1233289430525 Private	-	-	Adjacent to centerline within ROW	N/A	R4	Intermittent	N	
Trib. to South Umpqua River	71.69	SS-100-017	1233289430525 Private	-	-	Adjacent to centerline within ROW	N/A	R4	Intermittent	N	
Trib. to South Umpqua River	72.96	SS-100-019	1233346430680 Private	4.28	11.41	Dry Open-Cut	Minor	R4	Intermittent	Unknown	
Trib. to South Umpqua River	73.41	SS-100-020	Private	9.77	26.05	Dry Open-Cut	Minor	R4UB3Cx	Intermittent	Unknown	
Trib. to South Umpqua River	73.48	SS-100-021	1232971430708 Private	22.74	60.64	Dry Open-Cut	Intermediate	R4SB	Intermittent	N	
Unnamed Stream	73.63	SS-005-010	Private	4.18	11.15	Dry Open-Cut	Minor	R3SB3	Perennial	Unknown	
Trib. to Richardson Creek	74.02	SS-004-003	1232925430775 Private	6.85	18.27	Dry Open-Cut	Minor	R3SB3	Perennial	Unknown	
Trib. to Richardson Creek	74.03	SS-100-022	Private	1.58	4.02	Dry Open-Cut	Minor	R4	Intermittent	N	
Klamath Mountains Ecoregion, South Umpqua Sub-basin (HUC 17100302), Myrtle Creek (HUC 1710030210) Fifth field Watershed 2, Douglas County, Oregon											
Bilger Creek	76.38	BSP-1	1232578430422 Private	6.30	16.80	Dry Open-Cut	Minor	PFO1A	Perennial	F	E. Coli/Year Round - Cat: 5 Dissolved Oxygen/Year Round – Cat: 5
Little Lick	77.71	BSP-6	1232235430457 Private	7.86	20.96	Dry Open-Cut Level 1	Minor	PSS1C	Perennial	F	
Trib. to Little Lick Creek	77.93	BSI-8	1232244430631 Private	11.68	31.15	Dry Open-Cut	Intermediate	R3SB1H	Intermittent	N	
Trib. to Little Lick Creek	78.02	BSI-10	1232239430620 Private	2.01	5.36	Dry Open-Cut	Minor	R4SB3C	Intermittent	N	
North Myrtle Creek	79.12	NSP-37	1232963430229 Private	47.99	127.97	Dry Open-Cut (Streambed – bedrock)6Level 213	Intermediate	R3SB1H	Perennial	F	Biological Criteria/Year-Round – Cat: 5 Dissolved Oxygen/Oct. 15-May 15 – Cat: 5Temperature/Year-Round. Cat: 4A (non-spawning)E Coli/Summer - Cat: 4A Habitat Modification – Cat: 4C Flow Modification – Cat: 4C

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Waterbody[1]	Approximate Pipeline Milepost	Waterbody ID[4]	PNWHF Waterbody Identification Number (LLID)[5] Jurisdiction	Width of Crossing (feet)	Excavated Volume at Crossing (yds)	Crossing Method[6] Scour Level[12]	FERC Classification[7]	Cowardin Classification	Stream Type	ODF or NWFP Stream Classification[8,9]	Oregon Department of Environmental Quality Water Quality Limited Streams[10]
Trib. to North Myrtle Creek	79.15	NSP-38	1232040430551 Private	8.00	21.33	Dry Open-Cut (Streambed – bedrock)6	Minor	R3SB1H	Perennial	F	
South Myrtle Creek	81.19	BSP-172	1232847430231 Private	65.61	174.96	Dry Open-Cut (Streambed – bedrock)6 Level 213	Intermediate	R3OWH	Perennial	F	E. Coli/Summer – Cat: 5 Dissolved Oxygen/Oct. 15 – May 15 –Cat: 5 Temperature/Year-Round -. Cat: 4A (non-spawning)Flow Modification – Cat: 4C
Trib. to S. Myrtle Creek	81.38	BSP-259	1231856430317	1.71	4.56	Dry Open-Cut	Minor	R3SB1H	Intermittent	Unknown	
Trib. to South Myrtle Creek	81.45	SS-100-023	Private	-	-	Adjacent to centerline within ROW	N/A	R4SBA	Intermittent	None	
Trib. to South Myrtle Creek	81.78	SS-100-024	Private	-	-	Adjacent to centerline within ROW	N/A	R4	Intermittent	Unknown	
Klamath Mountains Ecoregion, South Umpqua Sub-basin (HUC 17100302), Days Creek-South Umpqua River (HUC 1710030205) Fifth field Watershed 2, 3, Douglas County, Oregon											
Wood Creek	84.17	BSP-226	1231503429810 Private	8.22	21.92	Dry Open-Cut (Streambed- bedrock) 6Level 1 13	Minor	R3SBH	Perennial	Unknown	
Trib. to Fate Creek	88.20	BSI-236	1231019429928 Private	6.07	16.19	Dry Open-Cut (Streambed – bedrock)6	Minor	R4SB1J	Intermittent	N	
Fate Creek	88.48	BSP-232	1231028429873 Private	12.11	32.29	Dry Open-Cut (Streambed- bedrock) 6Level 1 13	Intermediate	R3SB1H	Perennial	F	Temperature/Year-Round – Cat: 4A (non-spawning)
Days Creek	88.60	BSP-233	1231699429713 Private	58.99	157.31	Dry Open-Cut(Streambed- bedrock) 6Level 1 13	Intermediate	R3SB1H	Perennial	F	Temperature/Year-Round – Cat: 4A (non-spawning)Habitat Modification – Cat: 4C Flow Modification – Cat: 4C
Cascades Ecoregion, South Umpqua Sub-basin (HUC 17100302), Days Creek-South Umpqua River (HUC 1710030205) Fifth field Watershed 2, 3, Douglas County, Oregon											
Saint John Creek	92.62	ASP-303	1230596429295 Private	14.72	39.25	Dry Open-CutLevel 1	Intermediate	R3RB2H	Perennial	F	Flow Modification – Cat: 4C
South Umpqua River	94.74	ASP-196	1234460432680 Private	97.65	260.40	Diverted Open- CutLevel 213	Major	R2OWH	Perennial	F	Dissolved Oxygen/October 15-May 15 – Cat: 5 (spawning)Temperature/Year-Round - Cat: 4A (non spawning) pH/Summer - Cat: 4A Flow Modification – Cat: 4C Habitat Modification – Cat: 4C
Trib. to South Umpqua River	94.85	ASI-193	1230382429323 Private	15.28	40.75	Dry Open-Cut	Intermediate	R4SB3C	Intermittent	N	
Trib. to South Umpqua River	95.03	ASI-193	1230382429323 Private	10.74	28.64	Dry Open-Cut	Intermediate	R4SB3C	Intermittent	N	
Trib. to South Umpqua River	98.46	ASI-190	1230197429036 BLM-Roseburg District	9.20	24.53	Dry Open-Cut (Streambed – bedrock)6	Minor	R4SB1	Intermittent	I - Federal Land	
Cascades Ecoregion, South Umpqua Sub-basin (HUC 17100302), Upper Cow Creek (HUC 1710030206) Fifth field Watershed 2, Douglas County, Oregon											
Trib. to East Fork Cow Creek	109.15	GW-14/FS-HF-C WWW-111-001	1229383427835 Forest Service – Umpqua NF	36.18	96.48	Dry Open-Cut	Intermediate	PSS	Perennial (FS – interpretation)	I - Federal Land	
Trib. to East Fork Cow Creek	109.33	GSI-16/FS-HF-F	1229369427819 Forest Service – Umpqua NF	6.43	17.15	Dry Open-Cut	Minor	R4	Intermittent	I - Federal Land	
East Fork Cow Creek	109.47	GSP-19/FS-HF-G/ASP-297	1229918428021 Forest Service – Umpqua NF	34.44	91.84	Dry Open-Cut (Streambed- bedrock) 6	Intermediate	R3UB1H	Perennial	F - Federal Land	
East Fork Cow Creek	109.69	GSP-22/FS-HF-MASP-297)	1229918428021 Forest Service – Umpqua NF	-	-	Adjacent to centerline within TEWA	Intermediate	R3UB1H	Perennial	F - Federal Land	
Trib. to East Fork Cow Creek	109.69	FS-HF-J	1229332427779 Forest Service – Umpqua NF	10.27	27.39	Dry Open-Cut	Minor	R3UB1H	Perennial	F - Federal Land	
Trib. to East Fork Cow Creek	109.78	FS-HF-K	1229332427781 Forest Service – Umpqua NF	4.36	11.63	Dry Open-Cut	Minor	R3UB1H	Perennial	F - Federal Land	
Cascades Ecoregion, South Umpqua Sub-basin (HUC 17100302), Upper Cow Creek (HUC 1710030206) Fifth field Watershed 2, Jackson County, Oregon											
Trib. to East Fork Cow Creek	110.98	ESI068/FS-HF-N	1229918428021 Forest Service – Umpqua NF	13.97	37.25	Dry Open-Cut	Intermediate	R4SB1H	Intermittent	I - Federal Land	
Cascades Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Trail Creek (HUC 1710030706)) Fifth field Watershed 2, Jackson County, Oregon											
Trib. to W. Fork Trail Creek	110.57	ESI-68	Forest Service – Umpqua NF	-	-	Adjacent to centerline within TEWA 110.73	Minor	R4SB1H	Intermittent	I - Federal Land	
West Fork Trail Creek	118.89	ASP-202	1228425426750 Private	24.29	64.77	Dry Open-Cut (Streambed – bedrock)6Level 1	Intermediate	R2SB1H	Perennial	F	Dissolved Oxygen/Summer – Cat: 5 Flow Modification – Cat: 4C
Trib. to Trail Creek	119.90	DA-16	1228364426705 Private	4.69	12.51	Dry Open-Cut	Minor	R4SB1H	Intermittent	N	
Canyon Creek	120.45	NSP-11	1228328426655 BLM-Medford District	6.61	17.63	Dry Open-Cut (Streambed – bedrock)6	Minor	R4SB1H	Perennial	F - Federal Land	

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Waterbody[1]	Approximate Pipeline Milepost	Waterbody ID[4]	PNWHF Waterbody Identification Number (LLID)[5] Jurisdiction	Width of Crossing (feet)	Excavated Volume at Crossing (yds)	Crossing Method[6] Scour Level[12]	FERC Classification[7]	Cowardin Classification	Stream Type	ODF or NWFP Stream Classification[8,9]	Oregon Department of Environmental Quality Water Quality Limited Streams[10]
						Level 1					
Trib. to Trail Creek	120.92	ASI-205	1228233426599 Private	6.39	17.04	Dry Open-Cut	Minor	R4UBC	Intermittent	N	
Trib. to Trail Creek	121.58	ASI-206	1228173426535 Private	4.61	12.29	Dry Open-Cut	Intermediate	R4UBC	Intermittent	*D or N	
Cascades Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Shady Cove-Rogue River (HUC 1710030707)) Fifth field Watershed 2, Jackson County, Oregon											
Trib. to Cricket Creek	121.87	ESI-71	1228054426435 Private	-	-	Adjacent to centerline within ROW	Minor	R4SB1C	Intermittent	N	
Trib. to Cricket Creek	121.89	ESI-70	1228054426435 Private	-	-	Adjacent to centerline within ROW	Minor	R4SB1C	Intermittent	N	
Trib. to Cricket Creek	121.93	ESI-72	1228054426435 Private	-	-	Adjacent to centerline within ROW	Minor	R4SB1C	Intermittent	N	
Trib. to Cricket Creek	121.94	ESI-73	1228054426435 Private	-	-	Adjacent to centerline within ROW	Minor	R4SB1C	Intermittent	N	
Trib. to Cricket Creek	122.09	ESI-74	1228054426435 Private	-	-	Adjacent to centerline within ROW	Minor	R4SB1C	Intermittent	N	
Rogue River	122.65	ASP-235	1244292424210 Private	-	-	HDD	Major	R3UBH	Perennial	F	pH/Summer – Cat: 5
Trib. to Indian Creek	125.91	ASI-223	1227634426166 Private	5.43	14.48	Dry Open-Cut	Minor	R4UB1C	Intermittent	N	
Trib. to Indian Creek	125.98	ASI-222	1227628426207 Private	5.64	15.04	Dry Open-Cut	Minor	R4UB1C	Intermittent	N	
Trib. to Indian Creek	126.50	RS-4	1227548426186 BLM-Medford District	3.02	8.05	Dry Open-Cut	Minor	R4UB1C	Intermittent	I - Federal Land	
Trib. to Indian Creek	126.59	ASI-221	1227834426001 BLM-Medford District	4.24	11.31	Dry Open-Cut	Minor	R4UB1C	Intermittent	I - Federal Land	
Deer Creek	128.49	ASP-307	1227449425936 Private	28.52	76.05	Dry Open-Cut (Streambed – bedrock)6	Intermediate	R3SB1H	Perennial	F	
Indian Creek	128.63	AW-278	1227370425935 Private	139.85	212.58	Dry Open-Cut Level 1	Minor	PEMC/R3SB1H	Perennial	F	
Trib. to Indian Creek	128.70	ASP-310	1227366425936 Private	5.22	13.92	Dry Open-Cut (Streambed – bedrock)6	Minor	R3SB1H	Perennial	F	
Trib. to Indian Creek	128.89	AW-309	BLM-Medford District	30.00	80.00	Dry Open-Cut	Intermediate	PFOC	Intermittent	I - Federal Land	
Trib to Indian Creek	129.13	ASI-400	1227225425992 BLM-Medford District	1.42	3.79	Dry Open-Cut	Minor	R4	Intermittent	I-Federal Land	
Trib. to Indian Creek	129.21	ASI-306	BLM-Medford District	-	-	Adjacent to centerline within ROW	Minor	R4	Intermittent	I-Federal Land	
Trib. to Indian Creek	129.46	ASI-277	1227196425923 Private	4.04	10.77	Dry Open-Cut	Minor	R4UB1C	Intermittent	Unknown	
Cascades Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Big Butte Creek (HUC 1710030704) Fifth field Watershed 2, Jackson County, Oregon											
Trib. to Neil Creek	130.81	AW-245	Private	-	-	Adjacent to centerline within ROW	Minor	PSSC/R4UB1C	Intermittent	N	
Trib. to Neil Creek	130.83	AW-244	1226986425909 Private	6.29	16.77	Dry Open-Cut (Streambed – bedrock)6	Major	PSSC/R4UB1C	Intermittent	N	
Trib. to Neil Creek	130.86	ASI-246	1226986425909 Private	2.54	6.77	Dry Open-Cut	Minor	PEMC	Intermittent	N	
Trib. to Neil Creek	131.72	ASI-251	1226826425841 BLM-Medford District	-	-	Adjacent to centerline within ROW	Minor	R4UB1C	Intermittent	I - Federal Land	
Neil Creek	132.12	ASP-252	1226711425881 Private	6.47	17.25	Dry Open-Cut(Streambed – bedrock) 6Level 1	Intermediate	R4SB1C	Perennial	F	
Quartz Creek	132.75	ASI-265/NSI-10	1226814425828 Private	2.36	6.29	Dry Open-Cut (Streambed – bedrock)6	Minor	R4SB1C	Intermittent	F	
Trib. to Quartz Creek	132.77	AW-264	Private	6.29	16.77	Dry Open-Cut(streambed – bedrock) 6	Intermediate	PFO/R4SB1C	Intermittent	N	
Trib. to Quartz Creek	133.35	ASP-241	1226739425651 BLM-Medford District	44.80	119.47	Dry Open-Cut	Intermediate	R3UB3H	Perennial	N - Federal Land	
Medford Aqueduct (Ditch 3)	133.38	ASP-240	1228043424382 BLM-Medford District	-	-	Conventional Bore	Intermediate	R3UB3x	Perennial	F - Federal Land	
Cascades Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Little Butte Creek (HUC 1710030708) Fifth field Watershed 2, Jackson County, Oregon											
Whiskey Creek	137.48	ASI-207	1226599424838 Private	10.37	27.65	Dry Open-Cut	Intermediate	R4UB3C	Intermittent	N	
Trib. to Lick Creek	138.26	ASI-208	1226422425032 Private	10.37	27.65	Dry Open-Cut	Intermediate	R4UB3C	Intermittent	F	
Trib. to Lick Creek	138.50	ASI-210	1226367425084 Private	1.72	4.59	Dry Open-Cut	Minor	R4UB1C	Intermittent	*D or N	
Trib. to Lick Creek	138.71	ASI-211	1226343425011 Private	7.22	19.25	Dry Open-Cut	Minor	R4UB1C	Intermittent	*D or N	
Trib. to Lick Creek	139.15	ASI-214	1226268425015 Private	6.99	18.64	Dry Open-Cut	Minor	R4UB1C	Intermittent	*D or N	
Stock Pond	139.17	AL-215	Private	54.30	144.80	Dry Open-Cut	NA	PUBYx	Stock Pond	N	
Trib. to Lick Creek	139.19	ASI-216	1226260425019 Private	10.31	27.49	Dry Open-Cut	Intermediate	R4SB1C	Intermittent	*D or N	
Trib. to Lick Creek	139.21	ASI-216	1226260425019 Private	13.05	34.80	Dry Open-Cut	Intermediate	R4SB1C	Intermittent	*D or N	
Trib. to Lick Creek	139.39	ASI-217	1226395424936 Private	15.84	42.24	Dry Open-Cut	Intermediate	R4SB1C	Intermittent	*D or N	
Trib. to Lick Creek	139.59	ASI-226	1226220424994 Private	6.59	17.57	Dry Open-Cut	Minor	R4SB1C	Intermittent	N	

TABLE N-3

Waterbodies Crossed by the Pacific Connector Pipeline

Waterbody[1]	Approximate Pipeline Milepost	Waterbody ID[4]	PNWHF Waterbody Identification Number (LLID)[5] Jurisdiction	Width of Crossing (feet)	Excavated Volume at Crossing (yds)	Crossing Method[6] Scour Level[12]	FERC Classification[7]	Cowardin Classification	Stream Type	ODF or NWFP Stream Classification[8,9]	Oregon Department of Environmental Quality Water Quality Limited Streams[10]
						(Streambed – bedrock)6					
Trib. to Lick Creek	139.63	ASI-227	1226220424994 Private	10.91	29.09	Dry Open-Cut (Streambed – bedrock) 6	Intermediate	R4SB1C	Intermittent	N	
Trib. to Lick Creek	139.68	ASI-228	1226220424994 Private	31.75	84.67	Dry Open-Cut	Intermediate	R4EMC	Intermittent	N	
Trib. to Lick Creek	139.72	ASI-229	1226220424994 Private	-	-	Adjacent to centerline within ROW	Minor	R4EMC	Intermittent	N	
Trib. to Lick Creek	139.83	ASI-232	1226295424937 Private	1.27	3.39	Dry Open-Cut	Minor	R4SB1C	Intermittent	N	
Lick Creek	140.26	ASI-233	1226975424638 BLM-Medford District	12.91	34.43	Dry Open-Cut Level 1	Intermediate	R4SB1C	Intermittent	I - Federal Land	Dissolved Oxygen/Summer – Cat: 5 Biological Criteria/Year-Round – Cat: 5 E Coli/Summer –. Cat: 4A
Trib. to Lick Creek	140.58	ASI-189	1226125424921 Private	2.62	6.99	Dry Open-Cut (Streambed – bedrock)6	Minor	R4SB1	Intermittent	N	
Trib. to Salt Creek	141.17	ASI-187	1226075424805 BLM-Medford District	2.51	6.69	Dry Open-Cut (Streambed – bedrock)6	Minor	R4SB1	Intermittent	I - Federal Land	
Trib. to Salt Creek	141.44	ASI-188	1226059424757 BLM-Medford District	5.10	13.60	Dry Open-Cut(Streambed – bedrock)6	Intermediate	R4SB1	Intermittent	I - Federal Land	
Trib. to Salt Creek	141.49	RS-17	1226059424757 BLM-Medford District	4.01	10.69	Dry Open-Cut	Minor	R4SB3C	Intermittent	I - Federal Land	
Trib. to Salt Creek	141.95	ESI-30	1226069424718 Private	6.25	16.67	Dry Open-Cut	Minor	R4SB3C	Intermittent	N	
Trib. to Salt Creek	142.32	ESI-31	1226114424647 Private	13.44	35.84	Dry Open-Cut	Intermediate	R4SB3Cx	Intermittent	NN	
Salt Creek	142.57	ESP-34	1226522424385 Private	41.32	110.19	Dry Open-Cut Level 1	Intermediate	R3SB3H	Perennial	F	E Coli/Year-Round – Cat: 4A
Trib. to Salt Creek	143.12	ESI-37	1226145424620 Private	4.84	12.91	Dry Open-Cut	Minor	R4SB3C	Intermittent	F	
Trib. to Long Branch Creek	143.51	ESI-38	1225948424477 Private	2.21	5.89	Dry Open-Cut	Minor	R4SB3C	Intermittent	N	
Trib. to Long Branch Creek	143.74	ESI-39	1225959424522 Private	3.26	8.69	Dry Open-Cut	Minor	R4SB3C	Intermittent	N	
Stock Pond	143.76	EL-41	Private	-	-	Adjacent to centerline within ROW	NA	PEMKx	Stock Pond	N	
Trib. to Long Branch Creek	143.76	ESI-38	1225948424477 Private	-	-	Adjacent to centerline within ROW	Minor	R4SB3C	Intermittent	N	
Trib. to Long Branch Creek	143.77	ESI-40	1225957424527 Private	5.05	13.47	Dry Open-Cut	Minor	R4SB3C	Intermittent	N	
Trib. to Long Branch Creek	144.11	ESI-38	1225948424477 Private	2.04	5.44	Dry Open-Cut	Minor	R4SB3C	Intermittent	F	
Trib. to S. Fork Long Branch	144.70	GSP-5/ESP-48	1225946424357 Private	7.09	18.91	Dry Open-Cut	Minor	R3SB3H	Perennial	F	
South Fork Long Branch Cr.	145.27	GSI-6/ESP-59	1226063424364 Private	7.12	18.99	Dry Open-Cut	Minor	R4SBC	Intermittent	Unknown	
Trib. to S. Fork Long Branch	145.54	ESI-61	1225996424261 Private	13.66	36.43	Dry Open-Cut	Intermediate	R4SBC	Intermittent	Unknown	
North Fork Little Butte Creek	145.69	ESP-66	1226154424196 Private	48.77	130.05	Dry Open-Cut Level 2	Intermediate	R3SB3H	Perennial	F	Temperature/Summer – Cat: 4A E.Coli/Year Round – Cat: 4A pH/Summer - Cat: 5
Trib. to N. Fork Little Butte	146.05	ESI-56	1225859424250 Private	17.49	46.64	Dry Open-Cut	Intermediate	R4SBC	Intermittent	F	
Trib. to N. Fork Little Butte	146.38	ESI-55	1225855424210 Private	3.36	8.96	Dry Open-Cut	Minor	R4SBC	Intermittent	N	
Stock Pond	152.33	AL-169	BLM-Medford District	-	-	Adjacent to TEWA 152.29-N	NA	PUBFx	Stock Pond	P -Federal Land	
Eastern Slopes Ecoregion, Upper Rogue Sub-basin (HUC 17100307), Little Butte Creek (HUC 1710030708) Fifth field Watershed 2, 3, Jackson County, Oregon											
South Fork Little Butte Creek	162.45	ASP-165	1226154424195 Forest Service- Rogue River-Siskiyou NF	12.54	33.44	Dry Open-Cut Level 1	Intermediate	R3SB1H	Perennial	F - Federal Land	Temperature/Summer - Cat: 4°Water Quality Limited not at point of crossing:E Coli/Summer – 4A Sedimentation – 5 Habitat Modification – 4C Flow Modification – 4C
Daley Creek	166.21	ESI-76	1223666423096 Forest Service- Rogue River-Siskiyou NF	29.36	78.29	Dry Open-Cut	Intermediate	R4UBC	Intermittent	I - Federal Land	
Eastern Slopes Ecoregion, Upper Klamath River Sub-basin (HUC 18010206), Spencer Creek (HUC 1801020601) Fifth field Watershed 2, 3, Klamath County, Oregon											
Spencer Creek	171.07	EW-85	1220277421487 Forest Service- Winema NF	4.02	10.72	Dry Open-Cut	Minor	PEMC	Intermittent	I - Federal Land	Biological Criteria – Cat: 5 Sedimentation – Cat: 5

TABLE N-3

Waterbodies Crossed by the Pacific Connector Pipeline

Waterbody[1]	Approximate Pipeline Milepost	Waterbody ID[4]	PNWHF Waterbody Identification Number (LLID)[5] Jurisdiction	Width of Crossing (feet)	Excavated Volume at Crossing (yds)	Crossing Method[6] Scour Level[12]	FERC Classification[7]	Cowardin Classification	Stream Type	ODF or NWFP Stream Classification[8,9]	Oregon Department of Environmental Quality Water Quality Limited Streams[10]
											Temperature/Year-Round – Cat: 5 Habitat Modification – Cat: 4C Flow Modification: Cat: 4C
Trib to Spencer Creek	171.57	GSP-7	1221988422850 Forest Service- Winema NF	10.72	28.59	Dry Open-Cut	Minor	R2	Perennial	N-Federal Land	
Trib. to Spencer Creek	173.74	ESI-106a	Forest Service- Winema NF	8.17	21.79	Dry Open-Cut	Minor	R4SBC	Intermittent	I - Federal Land	
Trib. to Spencer Creek	176.55	ESI-69/GSI-10	BLM-Lakeview District	2.02	5.39	Dry Open-Cut	Minor	R4SBC	Intermittent	I - Federal Land	
Clover Creek	177.76	EW103/GSI-11	1220820421968 Private	5.14	13.71	Dry Open-Cut Level 1	Minor	R4SB2/PEMC/P SSC	Intermittent	F	Sedimentation – Cat: 5 Habitat Modification – Cat: 4C
Eastern Slopes Ecoregion, Upper Klamath R. Sub-basin (HUC 18010206), John C Boyle Reservoir-Klamath River (HUC 1801020602) Fifth field Watershed 2, Klamath County, Oregon											
Trib. to Klamath River	186.61	ESI-97	1220000421555 Private	7.17	19.12	Dry Open-Cut	Minor	R4SB2C	Intermittent	Unknown	
Trib. to Klamath River	186.65	ESI-99	1220000421555 Private	2.64	7.04	Dry Open-Cut	Minor	R4SB2C	Intermittent	Unknown	
Trib. to Klamath River	186.74	ESI-100	1220000421555 Private	10.66	28.43	Dry Open-Cut	Intermediate	R4SB2C	Intermittent	Unknown	
Eastern Slopes Ecoregion, Lost River Sub-basin (HUC 18010204), Lake Ewauna-Klamath River (HUC 1801020412) Fifth field Watershed 2, Klamath County, Oregon											
Trib. To Klamath River	188.90	ASI-13 SS-100-025	1219145421230 Private	3.15	8.40	Dry Open-Cut	Minor	R4EM2	Intermittent	Unknown	
Weyerhaeuser Pond	196.78	AL-34	Private	-	-	Adjacent to centerline within ROW	NA	PUBKx	Industrial Pond	N	
Klamath River	199.38	ASP-151	1221913420005 State	-	-	HDDLevel 1	Major	L1UBHh	Perennial	F	Dissolved Oxygen/Year-Round – Cat: 5 (non-spawning)Ammonia/Year-Round – Cat: 5 Chlorophyll a/Summer – Cat: 5 pH/Summer – Cat: 5 Arsenic/Year-Round – Cat: 5 Habitat Modification – Cat: 4C Flow Modification – Cat: 4C
Eastern Slopes Ecoregion, Lost River Sub-basin (HUC 18010204), Mills Creek-Lost River (HUC 1801020409) Fifth field Watershed 2, Klamath County, Oregon											
Lost River	212.07	NSP-01	1212146420011 State	73.65	196.40	Dry Open-Cut Level 1	Major	R3UBH	Perennial	F	Dissolved Oxygen/Year-Round – Cat: 5 (non-spawning)Ammonia/Year-Round – Cat: 5 Chlorophyll a/Summer – Cat: 5 Arsenic/Year-Round – Cat: 5 E.Coli/Summer – Cat: 5 Temperature/Year-Round – Cat: 5 Habitat Modification – Cat: 4C Flow Modification – Cat: 4C
Unnamed Creek	216.10	ASI-51	1215715420597 Private	12.80	34.13	Dry Open-Cut	Intermediate	PEMA	Intermittent	Unknown	
Unnamed Creek	216.11	ASI-52	1215715420597 Private	3.01	8.03	Dry Open-Cut	Minor	R4SB1	Intermittent	Unknown	
Unnamed Creek	216.30	ASI-50	1215715420596 Private	25.16	67.09	Dry Open-Cut	Intermediate	R4SBC	Intermittent	Unknown	
Unnamed Creek	216.44	ASI-49	1215677420606 Private	6.84	18.24	Dry Open-Cut	Minor	R4SBC	Intermittent	Unknown	
Trib. to D Canal	218.09	ASI-136	1215371420655 Private	13.23	35.28	Dry Open-Cut	Intermediate	R4SB1x	Intermittent	Unknown	
Trib. to D Canal	218.46	ASI-137	1215384420611 Private	3.06	8.16	Dry Open-Cut (Streambed- bedrock)6	Minor	R4SB1x	Intermittent	Unknown	
Trib. to D Canal	219.69	ASI-291	1214908420305 Private	1.28	3.41	Dry Open-Cut Level 1	Minor	R4UB3C	Intermittent	Unknown	
Excavated Pond	219.70	NL-116	Private	-	-	Off ROW –Temp Extra Workspace	NA	PAGBx	Excavated pond	N	
Unnamed Creek	221.77	ASI138	1214569420610 Private	5.16	13.76	Dry Open-Cut	Minor	R4UB3	Intermittent	Unknown	
Pond	222.84	EL077	Private	-	-	Adjacent to centerline within ROW	NA	PAGBx	Pond	N	
Trib. to V Canal	224.95	ESI050	1214001420661 Private	-	-	Adjacent to centerline within ROW	Minor	R4SB1	Intermittent	Unknown	
Trib. to V Canal	224.95	ESI051	1214053420564 Private	-	-	Adjacent to centerline within ROW	Minor	R4SB1	Intermittent	Unknown	

TABLE N-3

Waterbodies Crossed by the Pacific Connector Pipeline

Waterbody[1]	Approximate Pipeline Milepost	Waterbody ID[4]	PNWHF Waterbody Identification Number (LLID)[5] Jurisdiction	Width of Crossing (feet)	Excavated Volume at Crossing (yds)	Crossing Method[6] Scour Level[12]	FERC Classification[7]	Cowardin Classification	Stream Type	ODF or NWFP Stream Classification[8,9]	Oregon Department of Environmental Quality Water Quality Limited Streams[10]
Trib. to V Canal	225.07	ASI140	1214053420564 Private	28.33	75.55	Dry Open-Cut Level 1	Intermediate	R4SB1	Intermittent	Unknown	

[1] Pacific Northwest Hydrography Framework, National Hydrography Dataset, Jones and Stokes Field Surveys from 2006, 2007, and 2009, StreamNet, photo interpretation, and consultation with BLM and Forest Service
[2] USGS Hydrologic Unit Codes, from the WBD
[3] Key Watershed
[4] Jones and Stokes Wetland Survey Waterbody Identification Number
[5] Pacific Northwest Hydrography Framework Clearinghouse Waterbody longitude/latitude unique identifier number.
[6] Streambed bedrock based on Pacific Connector's Wetland and Waterbody delineation surveys (see Table C-3 in the Wetland Delineation Report, submitted as a stand alone report). Streambed bedrock may require special construction techniques to ensure pipeline design depth. Special construction techniques may include rock hammering, drilling and hammering, or blasting. The need for blasting would be determined by the contractor and would only be initiated after ODFW blasting permits are obtained.
[7] Minor waterbody includes all waterbodies less than or equal to 10 feet wide at the water's edge at the time of construction; intermediate waterbody includes all waterbodies greater than 10 feet wide but less than or equal to 100 feet wide at the water's edge at the time of construction; and major waterbody includes all waterbodies greater than 100 feet wide at the water's edge at the time of construction.
[8]Oregon Department of Forestry Classifications: F – Fish, D- Domestic, N- none, * Domestic use yet to be determined.
[9] Northwest Forest Plan Classifications: fish bearing streams (F), permanently flowing non-fish bearing streams (N), seasonally flowing or Intermittent streams (I), lakes and natural ponds (P)
[10] Source: Oregon Department of Environmental Quality, 2010 Integrated Report GIS coverage (Updated V3 – January 17, 2014). Cat: 4A – water quality Limited, TMDL approved, Cat: 4B – water quality limited, other control measures, Cat: 4C – water quality limited, not a pollutant, Cat: 5 – water quality limited, 303(d) list, TMDL needed.
[11] Water quality limited within one mile of crossing, not at point of crossing.
[12] Level 1 and 2 waterbodies have been identified; all others are Level 0. According to GeoEngineers 2007 Phase II Channel Migration and Scour Analysis for the PCGP Project, channel migration is defined as the lateral movement, over time, of an entire channel segment perpendicular to the direction of stream flow; channel avulsion is the sudden abandonment of an active channel for a newly created or previously abandoned channel located on the floodplain; channel widening is defined as erosion and subsequent recession of one or both stream banks that widens the channel without changing the channel location; streambed scour is erosion of the streambed resulting in the development of deep pools and/or the systematic lowering of the channel floor elevation.Level 0 = instreams not likely subject to migration, avulsion and/or scourLevel 1 = streams with a moderate potential for migration, avulsion and/or scour Level 2 = streams with a high potential for migration, avulsion and/or scour
[13] These 19 sites were evaluated during the Phase II analysis. They were field reviewed and analyzed for potential migration, avulsion and/or scour (see GeoEngineers 2007 Phase II Channel Migration and Scour Analysis submitted as a stand alone report in the September 2007FERC Certificate application).
[14] Based on 4.3 cubic yards per linear foot in the Bay. From Coastal Engineering's Modeling and Analysis Report.

TABLE N-4

Shallow Groundwater Areas Crossed by the Pacific Connector Pipeline Project a/

SSURGO Soil Mapping Unit Symbol	Beginning MP	Ending MP	Length Crossed (miles)	Season of High Groundwater	Typical Depth to Water Table (ft)
Sitka Spruce Belt b/					
61D	1.47	1.48	0.01	Oct-May	0->6ft.
61D	1.59	1.71	0.12	Oct-May	0->6ft.
3	1.71	1.74	0.03	Jan-Dec	0->6ft.
23	4.12	4.14	0.02	Jan-Dec	0->6ft.
12	4.14	4.16	0.02	Jan-Dec	0->6ft.
42	6.20	6.26	0.06	Nov-Apr	1.0->6ft
12	6.26	6.32	0.06	Jan-Dec	0->6ft.
12	6.34	6.45	0.11	Jan-Dec	0->6ft.
42	8.24	8.45	0.20	Nov-Apr	1.0->6ft
12	10.95	11.08	0.13	Jan-Dec	0->6ft.
41	11.18	11.35	0.17	Nov-Apr	1.0->6ft
12	11.35	11.61	0.26	Jan-Dec	0->6ft.
34	11.61	11.91	0.30	Nov-May	0->6ft.
12	11.91	12.39	0.48	Jan-Dec	0->6ft.
12	8.58	8.60	0.01	Jan-Dec	0->6ft.
34	8.60	8.66	0.06	Nov-May	0->6ft.
9	8.66	8.75	0.09	Oct-Apr	0->6ft.
41	10.03	10.04	0.01	Nov-Apr	1.0->6ft
12	10.04	10.13	0.09	Jan-Dec	0->6ft.
34	10.13	10.45	0.32	Nov-May	0->6ft.
34	10.36	10.41	0.05	Nov-May	0->6ft.
34	10.96	11.03	0.07	Nov-May	0->6ft.
12	11.03	11.09	0.06	Jan-Dec	0->6ft.
12	11.13	11.34	0.20	Jan-Dec	0->6ft.
12	11.34	11.39	0.05	Jan-Dec	0->6ft.
42	15.70	15.72	0.03	Nov-Apr	1.0->6ft
42	15.74	15.80	0.06	Nov-Apr	1.0->6ft
Northern Pacific Coast Range, Foothills, and Valleys b/					
47B	22.64	22.68	0.04	Oct-May	0->6ft.
10B	22.68	22.71	0.03	Nov-Mar	1.5->6ft
47B	22.71	22.87	0.16	Oct-May	0->6ft.
10A	22.87	23.04	0.17	Nov-Mar	1.5->6ft
10A	23.03	23.04	0.01	Nov-Mar	1.5->6ft
33	27.00	27.06	0.06	Nov-Apr	3.5->6ft
10A	27.09	27.13	0.04	Nov-Mar	1.5->6ft
47B	29.50	29.54	0.04	Oct-May	0->6ft.
10B	29.54	29.61	0.06	Nov-Mar	1.5->6ft
47B	29.61	29.64	0.04	Oct-May	0->6ft.
10B	29.64	29.80	0.16	Nov-Mar	1.5->6ft
10B	29.84	30.18	0.35	Nov-Mar	1.5->6ft
10B	30.08	30.28	0.20	Nov-Mar	1.5->6ft
Siskiyou-Trinity Area b/					
75C	48.29	48.39	0.11	Dec-April	1.5-3ft.
188D	49.31	49.41	0.10	Nov-May	0-2.5ft.
235C	49.41	49.57	0.16	Nov-April	1.5-3ft.
29A	49.86	50.10	0.24	Nov-May	0->6ft.
42B	50.10	50.34	0.24	Nov-May	1.5->6ft.
255C	50.34	50.51	0.17	Nov-May	4->6ft.
44A	50.68	50.76	0.08	Nov-May	0->6ft.
224B	50.76	50.78	0.03	Oct-June	0.5-5ft
235D	50.78	50.85	0.06	Nov-April	1.5-3ft.
151A	51.01	51.05	0.04	Nov-May	1.5->6ft.
152E	53.03	53.48	0.45	Nov-May	1.5->6ft.
152E	53.48	53.70	0.22	Nov-May	1.5->6ft.
202B	55.90	55.95	0.05	Nov-May	0.5->6ft.
255C	55.99	56.31	0.31	Nov-May	4->6ft.
235C	56.31	56.35	0.04	Nov-April	1.5-3ft.
255C	56.35	56.43	0.08	Nov-May	4->6ft.
235C	56.43	56.48	0.05	Nov-April	1.5-3ft.

TABLE N-4

Shallow Groundwater Areas Crossed by the Pacific Connector Pipeline Project a/

SSURGO Soil Mapping Unit Symbol	Beginning MP	Ending MP	Length Crossed (miles)	Season of High Groundwater	Typical Depth to Water Table (ft)
255C	56.48	56.57	0.09	Nov-May	4->6ft.
235C	56.57	56.58	0.02	Nov-April	1.5-3ft.
44A	56.58	57.05	0.46	Nov-May	0->6ft.
188D	57.05	57.15	0.10	Nov-May	0-2.5ft.
44A	57.15	57.29	0.15	Nov-May	0->6ft.
255C	57.47	57.55	0.08	Nov-May	4->6ft.
44A	58.01	58.06	0.05	Nov-May	0->6ft.
235D	58.96	59.27	0.30	Nov-April	1.5-3ft.
14C	59.41	59.60	0.18	Dec-June	1.0->6ft
75C	59.78	59.88	0.10	Dec-April	1.5-3ft.
75E	59.88	60.03	0.15	Dec-April	1.5-3ft.
175E	60.03	60.46	0.43	Nov-Apr	1.5-3ft.
188D	60.48	60.55	0.07	Nov-May	0-2.5ft.
175E	60.55	60.56	0.01	Nov-Apr	1.5-3ft.
175E	60.56	60.59	0.03	Nov-Apr	1.5-3ft.
175E	60.59	60.68	0.10	Nov-Apr	1.5-3ft.
174F	67.06	67.57	0.51	Nov-Apr	1.5-3ft.
174E	67.57	67.77	0.20	Nov-Apr	1.5-3ft.
174F	67.77	67.83	0.06	Nov-Apr	1.5-3ft.
174E	67.83	67.94	0.11	Nov-Apr	1.5-3ft.
174F	67.94	67.97	0.03	Nov-Apr	1.5-3ft.
174E	67.97	68.04	0.07	Nov-Apr	1.5-3ft.
174F	68.04	68.06	0.03	Nov-Apr	1.5-3ft.
174E	68.06	68.10	0.03	Nov-Apr	1.5-3ft.
174F	68.10	68.16	0.07	Nov-Apr	1.5-3ft.
174E	68.16	68.23	0.07	Nov-Apr	1.5-3ft.
174F	68.23	68.35	0.13	Nov-Apr	1.5-3ft.
175E	69.18	69.29	0.11	Nov-Apr	1.5-3ft.
175E	69.37	69.55	0.18	Nov-Apr	1.5-3ft.
187E	70.99	71.24	0.25	Dec-March	1.5-3ft.
235E	73.91	74.08	0.18	Nov-April	1.5-3ft.
185D	74.08	74.38	0.31	Dec-April	0-1ft.
42B	76.42	76.48	0.06	Nov-May	1.5->6ft.
44A	77.83	77.84	0.01	Nov-May	0->6ft.
235D	77.84	77.89	0.05	Nov-April	1.5-3ft.
44A	77.89	77.97	0.08	Nov-May	0->6ft.
202B	77.97	77.98	0.01	Nov-May	0.5->6ft.
235D	77.98	78.06	0.06	Nov-April	1.5-3ft.
224B	78.98	79.03	0.05	Oct-June	0.5-5ft
255C	81.55	81.67	0.12	Nov-May	4->6ft.
138F	85.81	86.46	0.65	Nov-May	2->6ft.
137F	86.46	86.49	0.03	Nov-May	2->6ft.
138F	86.49	86.81	0.33	Nov-May	2->6ft.
137F	86.85	86.94	0.08	Nov-May	2->6ft.
138F	87.25	88.11	0.85	Nov-May	2->6ft.
185D	88.11	88.15	0.04	Dec-April	0-1ft.
14D	88.15	88.17	0.02	Dec-June	1.0->6ft
185D	88.17	88.21	0.04	Dec-April	0-1ft.
14D	88.21	88.39	0.18	Dec-June	1.0->6ft
224B	88.39	88.50	0.11	Oct-June	0.5-5ft
14D	88.50	88.56	0.06	Dec-June	1.0->6ft
14D	88.73	88.80	0.07	Dec-June	1.0->6ft
188D	94.46	94.58	0.13	Nov-May	0-2.5ft.
188D	94.79	95.12	0.33	Nov-May	0-2.5ft.
64F	96.93	97.04	0.12	Nov-May	1.5->6ft.
64F	97.20	97.23	0.04	Nov-May	1.5->6ft.
138F	97.23	97.35	0.12	Nov-May	2->6ft.
64F	97.35	97.42	0.06	Nov-May	1.5->6ft.
138F	97.42	97.53	0.11	Nov-May	2->6ft.
64F	97.53	97.67	0.14	Nov-May	1.5->6ft.
138F	97.67	97.73	0.06	Nov-May	2->6ft.

TABLE N-4

Shallow Groundwater Areas Crossed by the Pacific Connector Pipeline Project a/

SSURGO Soil Mapping Unit Symbol	Beginning MP	Ending MP	Length Crossed (miles)	Season of High Groundwater	Typical Depth to Water Table (ft)
136E	97.73	97.85	0.13	Nov-May	2->6ft.
138F	97.85	98.05	0.20	Nov-May	2->6ft.
137F	98.05	98.14	0.08	Nov-May	2->6ft.
138F	98.14	98.16	0.02	Nov-May	2->6ft.
137F	98.16	98.18	0.02	Nov-May	2->6ft.
138F	98.18	98.42	0.24	Nov-May	2->6ft.
137F	98.42	98.64	0.20	Nov-May	2->6ft.
138F	98.86	98.94	0.07	Nov-May	2->6ft.
137F	98.94	99.08	0.14	Nov-May	2->6ft.
138F	99.19	99.32	0.12	Nov-May	2->6ft.
138F	99.83	100.39	0.55	Nov-May	2->6ft.
119F	115.15	115.62	0.47	Dec-March	0.5-1.6ft.
128B	118.84	118.91	0.07	Dec-April	3.0->6ft.
125F	119.57	119.76	0.19	Dec-March	0.5-1.6ft.
119F	119.86	119.95	0.09	Dec-March	0.5-1.6ft.
121E	119.95	120.15	0.20	Dec-March	0.5-1.6ft.
119F	120.15	120.28	0.12	Dec-March	0.5-1.6ft.
125F	120.27	120.45	0.18	Dec-March	0.5-1.6ft.
126F	120.45	120.70	0.25	Dec-March	0.5-1.6ft.
121E	120.70	121.09	0.39	Dec-March	0.5-1.6ft.
119F	121.09	121.12	0.03	Dec-March	0.5-1.6ft.
121E	121.12	121.19	0.06	Dec-March	0.5-1.6ft.
122E	121.19	121.26	0.08	Dec-March	0.5-1.6ft.
112F	121.26	121.34	0.08	Dec-March	0.5-1.6ft.
122E	121.34	121.52	0.18	Dec-March	0.5-1.6ft.
121E	121.52	121.61	0.09	Dec-March	0.5-1.6ft.
112F	121.61	121.65	0.04	Dec-March	0.5-1.6ft.
121E	121.65	121.69	0.04	Dec-March	0.5-1.6ft.
119F	121.69	121.85	0.16	Dec-March	0.5-1.6ft.
122E	121.85	121.86	0.01	Dec-March	0.5-1.6ft.
122E	121.87	122.00	0.13	Dec-March	0.5-1.6ft.
28D	122.00	122.18	0.18	Dec-April	3.0-3.5ft.
122E	122.18	122.24	0.06	Dec-March	0.5-1.6ft.
126F	122.24	122.30	0.06	Dec-March	0.5-1.6ft.
120C	122.30	122.49	0.19	Dec-March	0.5-1.6ft.
154	122.67	122.73	0.06	Jan-Dec	0->6ft.
122E	123.08	123.19	0.10	Dec-March	0.5-1.6ft.
126F	125.04	125.06	0.01	Dec-March	0.5-1.6ft.
28E	125.06	125.14	0.08	Dec-April	3.0-3.5ft.
126F	125.14	125.31	0.17	Dec-March	0.5-1.6ft.
126F	125.46	125.49	0.03	Dec-March	0.5-1.6ft.
112F	125.62	125.70	0.08	Dec-March	0.5-1.6ft.
122E	125.75	126.06	0.33	Dec-March	0.5-1.6ft.
112F	126.55	126.60	0.05	Dec-March	0.5-1.6ft.
112F	126.67	126.72	0.05	Dec-March	0.5-1.6ft.
112F	126.78	127.64	0.86	Dec-March	0.5-1.6ft.
122E	127.94	128.14	0.20	Dec-March	0.5-1.6ft.
122E	128.18	128.57	0.39	Dec-March	0.5-1.6ft.
125C	128.57	128.67	0.11	Dec-March	0.5-1.6ft.
122E	128.67	128.70	0.02	Dec-March	0.5-1.6ft.
118E	128.80	128.86	0.06	Dec-March	0.5-1.6ft.
122E	129.08	129.23	0.14	Dec-March	0.5-1.6ft.
118E	129.70	130.13	0.43	Dec-March	0.5-1.6ft.
118E	130.43	130.83	0.39	Dec-March	0.5-1.6ft.
125C	130.84	130.95	0.11	Dec-March	0.5-1.6ft.
125C	130.98	131.05	0.07	Dec-March	0.5-1.6ft.
125F	131.05	131.20	0.15	Dec-March	0.5-1.6ft.
126F	131.37	131.63	0.40	Dec-March	0.5-1.6ft.
112F	131.86	132.02	0.16		
125C	132.02	132.05	0.02	Dec-March	0.5-1.6ft.
76A	132.05	132.14	0.10	Dec-May	0->6.0ft.

TABLE N-4

Shallow Groundwater Areas Crossed by the Pacific Connector Pipeline Project a/

SSURGO Soil Mapping Unit Symbol	Beginning MP	Ending MP	Length Crossed (miles)	Season of High Groundwater	Typical Depth to Water Table (ft)
125F	132.14	132.32	0.17	Dec-March	0.5-1.6ft.
125C	132.32	132.49	0.17	Dec-March	0.5-1.6ft.
76A	132.49	132.54	0.05	Dec-May	0->6.0ft.
125C	132.54	132.99	0.49	Dec-March	0.5-1.6ft.
125F	132.99	133.23	0.24	Dec-March	0.5-1.6ft.
118E	133.36	133.69	0.33	Dec-March	0.5-1.6ft.
118E	133.75	133.98	0.23	Dec-March	0.5-1.6ft.
118E	134.05	134.16	0.10	Dec-March	0.5-1.6ft.
126F	134.41	134.47	0.06	Dec-March	0.5-1.6ft.
126F	134.68	134.80	0.12	Dec-March	0.5-1.6ft.
126F	134.84	134.94	0.10	Dec-March	0.5-1.6ft.
118E	134.94	135.58	0.64	Dec-March	0.5-1.6ft.
118E	136.79	136.83	0.05	Dec-March	0.5-1.6ft.
118E	137.18	137.28	0.10	Dec-March	0.5-1.6ft.
27D	137.28	137.45	0.17	Dec-April	3.0-3.5ft.
125F	137.48	137.52	0.05	Dec-March	0.5-1.6ft.
125F	137.54	137.61	0.07	Dec-March	0.5-1.6ft.
125F	137.62	137.77	0.15	Dec-March	0.5-1.6ft.
126F	137.94	138.25	0.31	Dec-March	0.5-1.6ft.
27D	138.25	138.39	0.14	Dec-April	3.0-3.5ft.
126F	138.39	138.49	0.10	Dec-March	0.5-1.6ft.
27D	138.49	138.50	0.01	Dec-April	3.0-3.5ft.
27D	138.53	138.56	0.04	Dec-April	3.0-3.5ft.
27D	138.60	139.90	1.29	Dec-April	3.0-3.5ft.
125F	139.90	140.12	0.22	Dec-March	0.5-1.6ft.
125F	140.29	140.48	0.19	Dec-March	0.5-1.6ft.
126F	141.51	141.55	0.03	Dec-March	0.5-1.6ft.
125F	141.55	141.90	0.36	Dec-March	0.5-1.6ft.
125F	142.15	142.28	0.14	Dec-March	0.5-1.6ft.
33C	142.28	142.55	0.27	Dec-April	0.5->6ft.
112F	142.70	142.94	0.24	Dec-March	0.5-1.6ft.
125F	143.11	143.55	0.44	Dec-March	0.5-1.6ft.
112F	143.55	144.01	0.46	Dec-March	0.5-1.6ft.
125F	144.01	144.13	0.12	Dec-March	0.5-1.6ft.
125F	144.10	144.37	0.27	Dec-March	0.5-1.6ft.
125F	144.42	144.49	0.07	Dec-March	0.5-1.6ft.
125F	144.58	144.64	0.06	Dec-March	0.5-1.6ft.
121E	144.79	144.85	0.06	Dec-March	0.5-1.6ft.
122E	144.85	145.18	0.33	Dec-March	0.5-1.6ft.
112F	145.18	145.25	0.07	Dec-March	0.5-1.6ft.
120C	145.25	145.36	0.12	Dec-March	0.5-1.6ft.
125F	145.36	145.41	0.05	Dec-March	0.5-1.6ft.
125C	145.41	145.52	0.11	Dec-March	0.5-1.6ft.
125C	145.14	145.27	0.13	Dec-March	0.5-1.6ft.
28D	145.27	145.33	0.06	Dec-April	3.0-3.5ft.
122E	145.45	145.50	0.05	Dec-March	0.5-1.6ft.
120C	145.50	145.54	0.04	Dec-March	0.5-1.6ft.
120C	145.54	145.55	0.01	Dec-March	0.5-1.6ft.
128B	145.55	145.85	0.29	Dec-April	3.0->6ft.
128B	145.85	146.00	0.15	Dec-April	3.0->6ft.
121E	146.00	146.07	0.07	Dec-March	0.5-1.6ft.
120C	146.07	146.10	0.03	Dec-March	0.5-1.6ft.
112F	146.10	146.23	0.13	Dec-March	0.5-1.6ft.
125F	146.23	146.31	0.09	Dec-March	0.5-1.6ft.
27B	146.31	146.38	0.07	Dec-April	3.0-3.5ft.
27B	146.38	146.78	0.39	Dec-April	3.0-3.5ft.
125F	146.78	146.86	0.08	Dec-March	0.5-1.6ft.
125F	146.86	147.29	0.43	Dec-March	0.5-1.6ft.
28D	147.68	147.75	0.07	Dec-April	3.0-3.5ft.
125F	147.75	148.16	0.41	Dec-March	0.5-1.6ft.
18C	152.94	152.99	0.05	Dec-April	1.0-3.5ft.

TABLE N-4

Shallow Groundwater Areas Crossed by the Pacific Connector Pipeline Project a/

SSURGO Soil Mapping Unit Symbol	Beginning MP	Ending MP	Length Crossed (miles)	Season of High Groundwater	Typical Depth to Water Table (ft)
28D	154.72	154.81	0.10	Dec-April	3.0-3.5ft.
6	162.43	162.50	0.07	--	--
Klamath and Shasta Valleys and Basins b/					
11	168.87	169.25	0.39	Spring	--
11	170.88	171.13	0.26	Spring	--
11	171.23	171.24	0.01	Spring	--
11	171.43	171.59	0.16	Spring	--
40	191.59	192.09	0.31	Jan-Dec	1.0->6ft.
91	192.09	192.17	0.06	Jan-Dec	0.0->6ft.
40	192.17	192.25	0.04	Jan-Dec	1.0->6ft.
28	192.25	192.26	0.01	Jan-Dec	1.0->6ft.
91	192.26	192.28	0.18	Jan-Dec	0.0->6ft.
28	193.42	193.48	0.06	Jan-Dec	1.0->6ft.
70	193.48	193.85	0.37	Jan-Dec	0.0->6ft.
40	193.85	193.94	0.09	Jan-Dec	1.0->6ft.
70	193.94	194.09	0.15	Jan-Dec	0.0->6ft.
53	194.09	194.32	0.22	Jan-Dec	0.0->6ft.
40	194.46	194.49	0.03	Jan-Dec	1.0->6ft.
53	194.49	194.68	0.19	Jan-Dec	0.0->6ft.
40	194.68	194.78	0.10	Jan-Dec	1.0->6ft.
38	194.85	194.87	0.02	March-Aug.	3.0->6ft.
40	194.87	194.87	0.01	Jan-Dec	1.0->6ft.
36	194.87	194.95	0.08	March-Sept.	2.5->6ft.
40	194.95	195.33	0.38	Jan-Dec	1.0->6ft.
78	195.33	195.44	0.11	Jan-Dec	0.0->6ft.
53	195.44	195.59	0.15	Jan-Dec	0.0->6ft.
40	195.59	195.68	0.09	Jan-Dec	1.0->6ft.
53	195.68	195.90	0.23	Jan-Dec	0.0->6ft.
28	195.90	196.61	0.71	Jan-Dec	1.0->6ft.
28	196.51	196.53	0.02	Jan-Dec	1.0->6ft.
53	196.53	196.64	0.10	Jan-Dec	0.0->6ft.
28	196.64	196.73	0.09	Jan-Dec	1.0->6ft.
53	196.73	196.78	0.05	Jan-Dec	0.0->6ft.
28	196.78	196.91	0.13	Jan-Dec	1.0->6ft.
40	196.91	197.19	0.27	Jan-Dec	1.0->6ft.
40	197.64	197.86	0.23	Jan-Dec	1.0->6ft.
40	197.86	198.02	0.16	Jan-Dec	1.0->6ft.
53	198.02	198.19	0.16	Jan-Dec	0.0->6ft.
40	198.58	198.59	0.01	Jan-Dec	1.0->6ft.
40	198.59	198.72	0.13	Jan-Dec	1.0->6ft.
40	199.05	199.13	0.08	Jan-Dec	1.0->6ft.
78	199.13	199.27	0.14	Jan-Dec	0.0->6ft.
78	199.27	199.28	0.01	Jan-Dec	0.0->6ft.
77	199.46	199.51	0.05	Jan-Dec	0.0->6ft.
77	199.52	199.59	0.08	Jan-Dec	0.0->6ft.
53	199.59	199.65	0.05	Jan-Dec	0.0->6ft.
38	199.65	199.93	0.28	March-Aug.	3.0->6ft.
53	199.93	199.97	0.04	Jan-Dec	0.0->6ft.
53	199.97	200.03	0.07	Jan-Dec	0.0->6ft.
38	200.03	200.29	0.25	March-Aug.	3.0->6ft.
62	200.29	200.53	0.24	Jan-Dec	1.0->6ft.
28	200.53	200.65	0.12	Jan-Dec	1.0->6ft.
28	200.65	201.44	0.79	Jan-Dec	1.0->6ft.
53	201.44	201.52	0.07	Jan-Dec	0.0->6ft.
28	201.52	201.72	0.20	Jan-Dec	1.0->6ft.
31	205.33	205.42	0.09	Jan-Dec	1.0->6ft.
31	206.75	206.77	0.02	Jan-Dec	1.0->6ft.
62	208.07	208.30	0.23	Jan-Dec	1.0->6ft.
31	208.34	208.42	0.08	Jan-Dec	1.0->6ft.
26	209.19	209.27	0.07	Jan-Dec	1.0->6ft.
25	209.27	209.53	0.27	Jan-Dec	1.0->6ft.

TABLE N-4

Shallow Groundwater Areas Crossed by the Pacific Connector Pipeline Project a/

SSURGO Soil Mapping Unit Symbol	Beginning MP	Ending MP	Length Crossed (miles)	Season of High Groundwater	Typical Depth to Water Table (ft)
31	209.53	209.62	0.09	Jan-Dec	1.0->6ft.
25	209.62	209.75	0.14	Jan-Dec	1.0->6ft.
31	209.75	209.96	0.21	Jan-Dec	1.0->6ft.
25	209.96	210.13	0.17	Jan-Dec	1.0->6ft.
36	212.00	212.04	0.05	March-Sept.	2.5->6ft.
36	212.28	212.33	0.04	March-Sept.	2.5->6ft.
36	212.53	212.55	0.02	March-Sept.	2.5->6ft.
31	213.36	213.50	0.15	Jan-Dec	1.0->6ft.
40	213.87	213.91	0.05	Jan-Dec	1.0->6ft.
63	213.91	214.05	0.14	Jan-Dec	1.0->6ft.

a/ Data are based on soil mapping units and only provide a general indication of where high water tables might be encountered.
b/ Defined areas based on Natural Resource Conservation Service Major Land Resource Areas, geographically associated areas based on climate, resources, and land use and used to assist in land use planning.
Source: NRCS (2014)