

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundary	Upstream reach boundary	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD					LAMPREY		Last Survey Date
							Live counts				Redds / mile	Redds / mile		
							Total	Marked	Not- marked	Un- known				
Necanicum River				3		2.1								
Mainstem				3		2.1								
Little Muddy Cr	2	Mouth	Headwaters		16	0.72	0	0	0	0	0.0	0.0	08-May-19	
Bergsvik Cr	1	Joe Cr	Little Joe Cr		21	0.81	4	0	1	3	9.9	25.9	08-May-19	
Little Joe Cr	1	Mouth	Little Joe Cr, Trib A		17	0.52	0	0	0	0	0.0	0.0	08-May-19	
Nehalem River				25		25.3								
Mainstem				22		21.4								
Foley Cr	1	E Foley Cr	Crystal Cr		17	1.02	3	0	1	2	20.6	2.9	06-May-19	
Alder Cr	1	Mouth	Cedar Cr		17	0.43	0	0	0	0	0.0	0.0	08-May-19	
E Humbug Cr	1	E Humbug Cr, Trib 2	E Humbug Cr, Trib 3		11	0.20	0	0	0	0	0.0	0.0	01-Mar-19	
George Cr	1	Mouth	Headwaters		19	0.44	1	0	0	1	0.0	0.0	08-May-19	
Beneke Cr	2	Gilmore Cr	Walker Cr		19	1.21	2	0	1	1	15.7	10.7	16-May-19	
Hamilton Cr	1	Hamilton Cr, Trib A	Headwaters		18	0.61	0	0	0	0	3.3	0.0	08-May-19	
Sager Cr	1	Sager Cr, Trib A	Headwaters		18	1.20	0	0	0	0	0.0	0.0	16-May-19	
Deep Cr	7	Lane Cr	Deep Cr, Trib 1		17	0.35	0	0	0	0	0.0	0.0	16-May-19	
Nehalem R	2	Beaver Cr	Nehalem R, Unnamed Trib		5	2.31	0	0	0	0	0.0	22.9	09-May-19	
Nehalem R	1	Lundgren Cr	Battle Cr		6	1.91	0	0	0	0	0.0	6.8	09-May-19	
Battle Cr, Mud Fork	1	Mouth	Headwaters		16	0.49	0	0	0	0	0.0	0.0	07-May-19	
Deer Cr	1	Little Deer Cr	Deer Cr, Trib A		34	1.27	0	0	0	0	0.0	0.0	16-May-19	
Nehalem R	3	Deer Cr	Gus Cr		1	1.10	0	0	0	0	0.0	0.0	05-Mar-19	
Oak Ranch Cr	1	Archibald Cr	Oak Ranch Cr, Trib A		17	1.51	0	0	0	0	13.2	1.3	07-May-19	
Nehalem R	1	Fall Cr	Crooked Cr		5	0.88	0	0	0	0	0.0	6.8	09-May-19	
Crooked Cr	2	Mouth	Headwaters		18	1.19	0	0	0	0	0.0	0.0	16-May-19	
Nehalem R, E Fk	1	E Fk Nehalem, Unnamed Trib A	E Fk Nehalem, Trib B		17	0.93	0	0	0	0	1.1	1.1	07-May-19	
Nehalem R	1	Knickerson Cr	Coon Cr		5	1.53	0	0	0	0	2.0	30.1	09-May-19	
Dell Cr	1	Mouth	Headwaters		16	0.95	0	0	0	0	0.0	0.0	07-May-19	
Cedar Cr	1	Cedar Cr, Trib A	Headwaters		17	0.55	0	0	0	0	0.0	0.0	07-May-19	
Robinson Cr, Trib A	1	Mouth	Headwaters		16	0.58	0	0	0	0	0.0	0.0	07-May-19	
Wolf Cr	1	Wolf Cr, N Fk	Headwaters		16	0.71	1	0	1	0	18.3	2.8	07-May-19	
Salmonberry River				1		1.6								
Salmonberry R	1	Wolf Cr	Pennoyer Cr		7	1.57	4	0	4	0	31.8	4.5	14-May-19	

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundary	Upstream reach boundary	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD				Redds / mile	LAMPREY	
							Live counts					Redds / mile	Last Survey Date
							Total	Marked	Not- marked	Un- known			
Rock Creek				2		2.3							
Rock Cr	1	Fall Cr	Ginger Cr		7	1.29	1	0	1	0	15.5	4.7	13-May-19
Rock Cr, S Fk	2	Bear Cr	Headwaters		17	1.03	0	0	0	0	0.0	0.0	13-May-19
Miami River				1		1.2							
Mainstem				1		1.2							
Miami R	1	Prouty Cr	Diamond Cr		17	1.21	3	0	0	3	14.9	14.9	06-May-19
Kilchis River				3		2.4							
Mainstem				3		2.4							
Kilchis R	1	Washout Cr	Sharp Cr		7	1.42	8	0	5	3	28.2	38.0	06-May-19
Purcell Cr	1	Mouth	Headwaters		17	0.35	0	0	0	0	0.0	0.0	06-May-19
Kilchis R, N Fk	1	Schroeder Cr	Headwaters		17	0.62	1	0	1	0	9.7	6.5	06-May-19
Wilson River				6		2.9							
Mainstem				4		2.1							
Jordan Cr	4	Jordan Cr, S Fk	Jordan Cr, Trib A		18	0.92	0	0	0	0	22.8	16.3	15-May-19
Cedar Cr	1	Cedar Cr, Trib A	Cedar Cr, N Fk		18	0.47	2	0	0	2	38.3	6.4	15-May-19
Ben Smith Cr	1	Mouth	Ben Smith Cr, Trib A		18	0.38	0	0	0	0	13.2	5.3	15-May-19
Elk Cr	2	Elk Cr, W Fk	Headwaters		17	0.35	2	0	2	0	11.4	20.0	15-May-19
South Fork				2		0.8							
Wilson R, S Fk	3	Wilson R, S Fk, Trib A	Wilson R, S Fk, Trib B		13	0.51	4	0	0	4	9.8	0.0	14-Mar-19
Wilson R, S Fk	1	Wilson R, S Fk, Trib B	Headwaters		18	0.28	1	0	1	0	21.4	0.0	15-May-19
Trask River				4		2.9							
North Fork				1		0.8							
Clear Cr, #1 (Hembre Cr)	2	Mouth	Headwaters		18	0.77	0	0	0	0	1.3	0.0	15-May-19
South Fork				3		2.2							
Boundary Cr	1	Mouth	Headquarters Camp Cr		17	0.60	0	0	0	0	18.3	0.0	15-May-19
Joyce Cr	2	Mouth	Headwaters		17	0.80	0	0	0	0	8.7	0.0	15-May-19
Bill Cr	2	Mouth	Headwaters		17	0.77	0	0	0	0	1.3	0.0	15-May-19
Tillamook River				1		0.4							
Mainstem				1		0.4							
Munson Cr	1	Munson Cr, Trib B	Headwaters		17	0.43	0	0	0	0	0.0	0.0	14-May-19
Nestucca River				37		29.6							
Mainstem And Bay				21		19.7							

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundry	Upstream reach boundry	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD				LAMPREY		Last Survey Date
							Live counts				Redds / mile	Redds / mile	
							Total	Marked	Not- marked	Un- known			
Foland Cr	1	Foland Cr, W Fk	Headwaters		7	0.69	0	0	0	0	0.0	0.0	09-May-19
Nestucca R	3	Foland Cr	Wolfe Cr		8	0.91	0	0	0	0	0.0	0.0	14-May-19
Wolfe Cr	1	Swab Cr	Wolfe Cr, Trib A		8	0.98	0	0	0	0	0.0	0.0	08-May-19
Tony Cr	2	Mouth	Headwaters		18	0.91	1	1	0	0	3.3	0.0	07-May-19
Nestucca R	1	Tony Cr	Boulder Cr		7	1.17	3	1	0	2	11.1	4.3	14-May-19
Nestucca R	1	Boulder Cr	Bays Cr		8	1.23	0	0	0	0	4.9	5.7	14-May-19
Nestucca R	2	Alder Cr	Moon Cr		8	0.87	0	0	0	0	19.5	5.7	14-May-19
East Cr	1	East Cr, Trib B	East Cr, Trib C		18	1.68	1	0	1	0	10.1	1.2	08-May-19
East Cr	2	East Cr, Trib D	Headwaters		15	0.42	0	0	0	0	2.4	4.8	08-May-19
East Cr	3	East Cr, Trib D	Headwaters		14	0.60	0	0	0	0	0.0	0.0	08-May-19
Moon Cr	1	Moon Cr, Trib E	Moon Cr, Trib F		6	1.09	2	0	2	0	22.9	1.8	02-May-19
Nestucca R	2	Limestone Cr	Norris Cr		6	1.35	5	1	3	1	17.8	7.4	14-May-19
Powder Cr	1	Mouth	Powder Cr, Left Br		34	0.94	0	0	0	0	19.1	0.0	16-May-19
Powder Cr	1	Powder Cr, Left Br	Powder Cr, Dahl Fk		30	0.83	2	0	2	0	69.9	0.0	15-May-19
Beulah Cr	1	Mouth	Headwaters		6	0.96	2	0	2	0	2.1	2.1	02-May-19
Testament Cr	2	Mouth	Headwaters		8	1.32	0	0	0	0	15.2	0.0	16-May-19
Bear Cr	1	Mouth	Bear Cr, Trib E		18	1.29	2	0	1	1	19.4	1.6	16-May-19
Bear Cr	5	Mouth	Bear Cr, Trib E		8	0.23	0	0	0	0	0.0	0.0	07-May-19
Elk Cr	1	Mouth	Elk Cr, Trib A		16	0.52	1	0	1	0	21.2	0.0	16-May-19
Nestucca R	1	Fan Cr	Bald Mtn Cr		10	1.11	6	2	0	4	21.6	3.6	16-May-19
Nestucca R	1	Ginger Cr	Cedar Cr		12	0.61	1	0	0	1	1.6	0.0	16-May-19
Three Rivers				4	2.8								
Pollard Cr	1	Mouth	Headwaters		9	1.08	0	0	0	0	0.9	0.0	09-May-19
Buck Cr	2	Mouth	Headwaters		16	0.51	0	0	0	0	0.0	0.0	09-May-19
Three Rivers	1	Alder Cr	Crazy Cr		15	0.46	6	0	2	4	32.6	2.2	09-May-19
Crazy Cr	1	Mouth	Headwaters		18	0.71	0	0	0	0	8.5	0.0	15-May-19
Beaver Creek				4	2.8								
Beaver Cr	2	Mouth	E Beaver Cr		30	0.92	6	2	0	4	34.8	19.6	13-May-19
E Beaver Cr	2	Wildcat Cr	E Beaver Cr, Trib C		19	0.29	0	0	0	0	31.0	0.0	07-May-19
E Beaver Cr	7	Wildcat Cr	E Beaver Cr, Trib C		18	0.92	1	0	1	0	15.2	3.3	07-May-19
E Beaver Cr	9	Wildcat Cr	E Beaver Cr, Trib C		9	0.63	0	0	0	0	3.2	0.0	07-May-19
Little Nestucca				8	4.4								
Fall Cr	1	Mouth	Fall Cr, Trib A		10	0.85	0	0	0	0	0.0	0.0	13-May-19
Fall Cr, Trib A	1	Mouth	Headwaters		17	0.57	0	0	0	0	0.0	0.0	13-May-19

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundry	Upstream reach boundry	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD				Redds / mile	LAMPREY	
							Live counts					Redds / mile	Last Survey Date
							Total	Marked	Not- marked	Un- known			
Little Nestucca R, S Fk	1	Little Nestucca R, S Fk, Trib B	Kautz Cr		8	0.18	0	0	0	0	0.0	0.0	29-Jan-19
Little Nestucca R	3	Little Nestucca R, S Fk	Judson Cr		15	0.76	3	0	0	3	11.8	11.8	13-May-19
Little Nestucca R	1	Judson Cr	Small Cr		15	0.36	3	0	2	1	11.1	0.0	13-May-19
Little Nestucca R	1	Cedar Cr	Louie Cr		30	0.72	6	0	2	4	27.8	2.8	13-May-19
Sourgrass Cr, Trib A	1	Mouth	Headwaters		17	0.32	0	0	0	0	0.0	0.0	09-May-19
Little Nestucca R	1	Hiack Cr	Conklin Cr		8	0.64	3	3	0	0	10.9	3.1	09-May-19
Neskowin Creek					1	0.4							
Mainstem					1	0.4							
Butte Cr	1	Kiwanda Cr	Headwaters		4	0.38	0	0	0	0	0.0	0.0	25-Mar-19
Salmon River					2	1.4							
Mainstem And Bay					2	1.4							
Deer Cr	1	Mouth	Headwaters		17	0.95	0	0	0	0	1.1	0.0	04-Apr-19
Salmon R, Trib G	1	Mouth	Headwaters		16	0.49	0	0	0	0	2.0	0.0	13-May-19
Siletz River					9	8.2							
Mainstem					9	8.2							
Jaybird Cr	2	Mouth	Jaybird Cr, Trib B		16	1.13	0	0	0	0	0.0	0.0	16-May-19
Coon Cr	1	Mouth	Headwaters		18	0.86	0	0	0	0	0.0	0.0	16-May-19
Siletz R	3	Mill Cr	Siletz R, Trib 1		7	1.49	2	0	1	1	6.7	24.2	15-May-19
Sam Cr	3	Long Prairie Cr	Sam Cr, Trib A		19	0.90	0	0	0	0	1.1	0.0	08-May-19
Sam Cr	5	Long Prairie Cr	Sam Cr, Trib A		18	0.85	0	0	0	0	2.4	0.0	08-May-19
Sam Cr	1	Sam Cr, Trib A	Headwaters		18	0.73	0	0	0	0	4.1	0.0	08-May-19
Mill Cr, N Fk	1	Mouth	Mill Cr, N Fk, Trib A		18	0.53	4	0	1	3	43.4	0.0	08-May-19
Deer Cr	1	Mouth	Deer Cr, Trib A		18	0.19	3	0	2	1	31.6	0.0	08-May-19
Siletz R	1	Sunshine Cr	Holman Cr		7	1.49	15	0	3	12	33.6	12.1	15-May-19
Yaquina River					5	3.6							
Mainstem And Bay					1	0.9							
Humphrey Cr	2	Mouth	Headwaters		18	0.89	0	0	0	0	0.0	0.0	06-May-19
Elk Creek					4	2.7							
Elk Cr	1	Bull Cr	Deer Cr		8	1.42	11	0	3	8	8.5	0.7	06-May-19
Deer Cr	1	Cougar Cr	Deer Cr, Trib 1		20	0.43	0	0	0	0	4.7	0.0	06-May-19
Savage Cr	3	Mouth	Savage Cr, Trib B		16	0.30	1	0	1	0	63.3	0.0	06-May-19

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundry	Upstream reach boundry	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD				Redds / mile	LAMPREY	
							Live counts					Redds / mile	Last Survey Date
							Total	Marked	Not- marked	Un- known			
Spout Cr	1	Little Cr	Lake Cr		19	0.55	2	0	0	2	3.6	1.8	06-May-19
Alsea River				11		9.8							
Mainstem And Bay				4		3.9							
Canal Cr	1	Canal Cr, Trib A	Bear Cr		17	0.55	4	0	0	4	20.0	7.3	08-May-19
Alsea R	2	Digger Cr	Benner Cr		6	1.46	2	0	0	2	0.0	21.9	14-May-19
Benner Cr	1	Mouth	Headwaters		17	0.58	0	0	0	0	0.0	0.0	07-May-19
Alsea R	2	Sulmon Cr (Salmonberry Cr)	Maltby Cr		6	1.30	0	0	0	0	3.1	18.5	14-May-19
Drift Creek				2		1.9							
Trout Cr	3	Trout Cr, E Fk	Trout Cr, Trib D		16	0.52	1	0	1	0	17.3	0.0	08-May-19
Drift Cr	1	Boulder Cr	Gold Cr		3	1.40	1	0	0	1	15.7	1.4	25-Apr-19
Five Rivers				4		3.0							
Lobster Cr, E Fk	2	Mouth	Headwaters		8	1.30	0	0	0	0	23.1	1.5	14-May-19
Buck Cr	2	Bear Cr	Buck Cr, Trib B		16	0.38	0	0	0	0	10.5	2.6	07-May-19
Green R	1	Green R, Trib D	Green R, Trib E		16	0.64	0	0	0	0	4.7	0.0	07-May-19
Five Rivers	3	Summers Cr	Lord Cr		16	0.72	0	0	0	0	11.1	5.6	07-May-19
North Fork				1		0.9							
Crooked Cr	2	Ernest Cr	Zahn Cr		18	0.95	5	0	4	1	35.8	7.4	07-May-19
Yachats River				1		0.9							
Mainstem				1		0.9							
Yachats R	1	Grass Cr	Yachats R, Trib A		15	0.95	7	0	1	6	10.5	1.1	08-May-19
Cummins Cr				1		1.1							
Mainstem				1		1.1							
Cummins Cr	2	Little Cummins Cr	Headwaters		17	1.14	3	0	1	2	19.3	11.4	13-May-19
Tenmile Creek				1		1.0							
Mainstem				1		1.0							
Mill Cr	4	Mouth	Headwaters		32	1.03	0	0	0	0	0.0	0.0	13-May-19
Big Creek				1		1.1							
Mainstem & S Fk				1		1.1							
Big Cr	2	Mouth	Big Cr, Trib A		18	1.14	4	0	3	1	21.9	90.4	13-May-19
Cape Creek				1		1.0							
Mainstem				1		1.0							
Wapiti Cr	1	Wapiti Cr, Trib B	Headwaters		8	0.99	0	0	0	0	3.0	0.0	13-May-19
Siuslaw River				20		17.0							
Mainstem				10		10.6							

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundry	Upstream reach boundry	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD				LAMPREY		Last Survey Date
							Live counts				Redds / mile	Redds / mile	
							Total	Marked	Not- marked	Un- known			
Hadsall Cr	3	Hadsall Cr, Trib A	Hadsall Cr, Trib C		18	0.50	1	0	0	1	2.0	0.0	16-May-19
Knowles Cr	1	Dinner Cr	Hood Cr		18	0.91	1	0	0	1	1.1	3.3	16-May-19
Knowles Cr	1	Skate Cr	Knowles Cr, Trib N		12	0.39	0	0	0	0	0.0	0.0	02-Apr-19
Waite Cr, Trib A	1	Mouth	Waite Cr, Trib A, Trib 1		19	0.29	0	0	0	0	3.4	0.0	15-May-19
Esmond Cr	1	Esmond Cr, Trib A	Esmond Cr, Trib B		18	0.26	0	0	0	0	0.0	0.0	15-May-19
Siuslaw R	1	Fawn Cr	Pugh Cr		5	2.05	0	0	0	0	0.0	0.0	23-Apr-19
Clay Cr	1	Mouth	Headwaters		19	0.64	0	0	0	0	0.0	0.0	15-May-19
Siuslaw R	1	Luyne Cr	Siuslaw R, East Trib		5	4.35	0	0	0	0	0.0	0.0	23-Apr-19
Haight Cr	1	Haight Cr, Trib B	Shitten Cr		17	0.34	0	0	0	0	0.0	0.0	15-May-19
Russell Cr	1	Mouth	Russell Cr, Trib A		36	0.87	2	0	2	0	2.3	2.3	15-May-19
North Fork				1		0.4							
Porter Cr	1	Porter Cr, Trib B	Porter Cr, Trib C		18	0.42	4	0	4	0	11.9	0.0	16-May-19
Lake Creek				8		5.7							
Rogers Cr	1	Mouth	Rogers Cr, Trib A		17	0.66	0	0	0	0	28.8	0.0	13-May-19
Indian Cr, N Fk, Trib D	1	Mouth	Headwaters		16	0.48	0	0	0	0	0.0	0.0	07-May-19
Deadwood Cr, W Fk	2	Deadwood Cr, W Fk, Trib D	Headwaters		16	1.00	0	0	0	0	3.0	0.0	14-May-19
Panther Cr, N Fk	3	Mouth	Headwaters		16	0.87	0	0	0	0	3.4	0.0	09-May-19
Hula Cr	1	Mouth	Trib A		17	1.00	4	0	4	0	2.0	0.0	09-May-19
Congdon Cr	1	Mouth	Congdon Cr, Trib B		20	0.34	0	0	0	0	8.8	0.0	07-May-19
Pucker Cr	1	Pucker Cr, Trib A	Headwaters		15	0.29	0	0	0	0	3.4	0.0	07-May-19
Lake Cr	1	Lake Cr, Trib A	Lake Cr, Trib B		9	1.08	0	0	0	0	6.5	0.0	07-May-19
Wolf Creek				1		0.3							
Oat Cr, Trib C	1	Oat Cr, Trib C, Trib 1	Oat Cr, Trib C, Trib 2		19	0.29	0	0	0	0	0.0	0.0	08-May-19
Siltcoos River				1		0.1							
Woahink Lake				1		0.1							
Miller Cr	5	Mouth	Headwaters		7	0.14	0	0	0	0	0.0	0.0	16-May-19
Umpqua River				47		35.1							
Mainstem And Bay				8		6.5							
Wells Cr	1	Mouth	Wells Cr, Trib A		20	0.84	2	0	0	2	15.5	3.6	14-May-19
Weatherly Cr	2	Mouth	Weatherly Cr, Trib C		21	0.97	2	0	0	2	4.1	0.0	14-May-19
Lutsinger Cr	3	Mouth	Lutsinger Cr, Trib A		21	0.41	0	0	0	0	19.5	0.0	10-May-19

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundary	Upstream reach boundary	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD				LAMPREY		Last Survey Date
							Live counts				Redds / mile	Redds / mile	
							Total	Marked	Not- marked	Un- known			
Wolf Cr	1	Miner Cr	Rader Cr		20	1.03	1	0	1	0	11.7	0.0	09-May-19
Cougar Cr	1	Cougar Cr, Trib A	Cougar Cr, Trib B		15	1.32	0	0	0	0	3.0	0.0	06-May-19
Hubbard Cr	1	Bear Cr	Rock Cr		21	0.78	4	0	2	2	11.5	0.0	09-May-19
Mill Cr	1	Mill Cr, Trib A	Coles Valley Cr		20	0.61	0	0	0	0	0.0	0.0	19-Mar-19
Turkey Cr	1	Turkey Cr, Trib B	Headwaters		12	0.51	0	0	0	0	0.0	0.0	13-Mar-19
Smith River				12		9.0							
Smith R, N Fk	1	Paxton Cr	Smith R, N Fk, W Br		5	1.18	16	14	2	0	2.5	5.9	13-May-19
Spencer Cr, W Fk, Trib A	1	Mouth	Headwaters		18	0.48	0	0	0	0	4.2	0.0	02-May-19
Smith R, W Fk	1	Smith R, W Fk, Trib D	Smith R, W Fk, Trib E		8	0.40	1	0	1	0	0.0	0.0	03-Apr-19
Blackwell Cr	1	Mouth	Headwaters		19	0.83	0	0	0	0	1.2	0.0	02-May-19
S Sister Cr	1	Mouth	Jeff Cr		17	1.44	0	0	0	0	13.2	8.3	02-May-19
S Sister Cr	2	Mouth	Jeff Cr		16	0.95	0	0	0	0	4.2	0.0	23-Apr-19
S Sister Cr	1	Bum Cr	S Sister Cr, Trib A		18	0.78	2	0	2	0	10.3	0.0	02-May-19
N Sister Cr	2	Russell Cr	Herb Cr		17	0.84	6	0	1	5	23.8	4.8	02-May-19
Marsh Cr	1	Marsh Cr, Trib A	Headwaters		18	0.28	0	0	0	0	3.6	0.0	02-May-19
Mosetown Cr, E Fk, Trib A	1	Mosetown Cr, E Fk, Trib A, Trib 2	Headwaters		20	0.35	0	0	0	0	0.0	0.0	09-May-19
Smith R	1	Huckleberry Cr	Haney Cr		3	1.36	1	0	1	0	0.0	0.0	19-Mar-19
Sleezer Cr	1	Sleezer Cr, Trib A	Headwaters		19	0.10	0	0	0	0	40.0	0.0	10-May-19
Elk Creek				6		4.9							
Elk Cr	1	Brush Cr	Green Cr		6	1.16	0	0	0	0	0.0	0.0	22-Apr-19
Jack Cr	1	Mouth	Johnny Cr		24	0.65	0	0	0	0	0.0	0.0	22-Apr-19
Wehmeyer Cr	1	Wehmeyer Cr, Trib B	Headwaters		12	0.33	0	0	0	0	0.0	0.0	09-May-19
Curtis Cr	2	Lees Cr	Anlauf Cr		25	0.81	0	0	0	0	1.2	0.0	06-May-19
Bennet Cr	4	Mouth	Headwaters		24	0.73	0	0	0	0	0.0	0.0	06-May-19
Elk Cr	1	Lane Cr	Elk Cr, Trib A		18	1.26	0	0	0	0	0.0	0.0	22-Apr-19
South Umpqua				19		12.8							
Deer Cr	2	Ramp Cr	Damotta Br		26	0.65	0	0	0	0	0.0	0.0	14-May-19
Deer Cr, N Fk	1	Mouth	Deer Cr, N Fk, Trib A		25	0.15	0	0	0	0	0.0	6.7	14-May-19
Roberts Cr	1	Roberts Cr, Trib A	Roberts Cr, Trib B		27	0.74	0	0	0	0	4.1	0.0	08-May-19
Roberts Cr	8	Roberts Cr, Trib A	Roberts Cr, Trib B		26	0.12	0	0	0	0	0.0	0.0	08-May-19
Olalla Cr	3	Mouth	Tenmile Cr		2	1.29	0	0	0	0	0.0	0.0	06-Mar-19
Rice Cr	1	Rice Cr, Unnamed Cr	Porter Cr		26	0.85	1	0	1	0	1.2	0.0	08-May-19

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundry	Upstream reach boundry	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD				LAMPREY		Last Survey Date
							Live counts				Redds / mile	Redds / mile	
							Total	Marked	Not- marked	Un- known			
Bilger Cr	3	Rock Cr	Headwaters		11	0.33	0	0	0	0	0.0	0.0	15-May-19
N Myrtle Cr	2	Little Lick	Big Lick		24	0.50	0	0	0	0	2.0	0.0	15-May-19
Riser Cr	1	Mouth	Headwaters		13	0.77	0	0	0	0	1.3	0.0	15-May-19
Elk Valley Cr, E Fk	1	Mouth	Headwaters		18	0.84	0	0	0	0	4.8	0.0	14-May-19
Wood Cr	2	Mouth	Headwaters		15	0.71	3	0	1	2	14.1	0.0	14-May-19
Cow Cr	2	Swamp Cr	Woodford Cr		3	0.38	0	0	0	0	0.0	0.0	06-Mar-19
Bull Run Cr	1	Little Bull Run Cr	Ramsey Cr		17	1.25	0	0	0	0	0.8	0.0	14-May-19
Clear Cr	2	Mouth	Headwaters		16	0.26	0	0	0	0	3.8	0.0	14-May-19
Days Cr	1	Perdue Cr	Gilbeaugh Cr		14	0.52	0	0	0	0	0.0	0.0	04-Apr-19
S Umpqua R	1	Shively Cr	Poole Cr		4	1.22	0	0	0	0	0.0	0.0	08-Mar-19
Black Canyon	2	Black Canyon Cr, Trib A	Black Canyon Cr, Trib B		8	0.63	0	0	0	0	0.0	0.0	15-May-19
Falcon Cr	1	Mouth	Abbott Cr		11	0.72	0	0	0	0	0.0	0.0	04-Apr-19
Boulder Cr	2	Mouth	Slick Cr		15	0.84	0	0	0	0	2.4	0.0	15-May-19
Calapooya Creek				2		1.9							
Calapooya Cr	2	Burke Cr	Coon Cr		5	1.29	0	0	0	0	0.0	0.0	19-Mar-19
Cabin Cr	1	Wheeler Canyon	Cabin Cr, Trib A		17	0.61	0	0	0	0	0.0	0.0	28-Mar-19
Coos River				17		16.1							
Mainstem				2		1.2							
Davis Cr	3	Mouth	Headwaters		1	0.43	0	0	0	0	0.0	0.0	03-Dec-18
Catching Cr	3	Boone Cr	Headwaters		21	0.73	0	0	0	0	0.0	0.0	13-May-19
Millicoma River				9		8.0							
Packard Cr	2	Packard Cr, Trib A	Headwaters		18	0.44	0	0	0	0	0.0	2.3	13-May-19
Woodruff Cr	2	Mouth	Woodruff Cr, Trib A		21	0.91	4	2	0	2	6.6	0.0	13-May-19
Millicoma R, E Fk	4	Marlow Cr	Hodges Cr		9	1.04	24	1	0	23	4.8	2.9	16-May-19
Millicoma R, E Fk	4	Matson Cr	Beulah Cr		36	0.93	6	0	2	4	21.5	36.6	16-May-19
Millicoma R, W Fk	1	Devils Elbow Cr	Daggett Cr		6	0.84	46	6	5	35	0.0	0.0	16-May-19
Deer Cr	2	Mouth	Deer Cr, Trib A		17	0.82	9	1	2	6	18.3	11.0	09-May-19
Millicoma R, W Fk	2	Knife Cr	Elk Cr		32	0.66	20	4	0	16	51.5	84.8	09-May-19
Elk Cr	3	Crane Cr	Elk Cr, Trib A		17	0.90	2	0	2	0	10.0	3.3	09-May-19
Fish Cr	1	Mouth	Fish Cr, Trib A		16	1.44	3	0	2	1	6.2	8.3	09-May-19
South Fork				6		7.0							
Wren Smith Cr	1	Mouth	Headwaters		22	1.27	0	0	0	0	0.0	0.0	13-May-19
Coos R, S Fk	2	Big Cr	Cox Cr		11	1.67	2	0	0	2	0.0	0.0	16-May-19

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundry	Upstream reach boundry	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD				LAMPREY		Last Survey Date
							Live counts				Redds / mile	Redds / mile	
							Total	Marked	Not- marked	Un- known			
Bottom Cr, N Fk 1		Mouth	Headwaters		16	1.08	2	0	1	1	4.6	13.0	07-May-19
Bottom Cr	1	Bottom Cr, Trib C	Headwaters		15	0.38	1	0	0	1	0.0	0.0	07-May-19
Cedar Cr	1	Gods Thumb Cr	Lake Cr		17	1.45	2	0	2	0	4.8	23.4	07-May-19
Williams R	1	Panther Cr	Fivemile Cr		7	1.10	2	0	2	0	4.5	3.6	07-May-19
Coquille River				23		21.9							
Mainstem And Bay				1		0.7							
Bear Cr	3	Monroe Cr	Little Bear Cr		19	0.66	0	0	0	0	7.6	3.0	07-May-19
North Fork				10		9.4							
Johns Cr	1	Johns Cr, Trib B	Johns Cr, Trib C		14	0.30	0	0	0	0	6.7	0.0	06-May-19
Middle Cr	3	Lawhorne Cr	Lost Cr		19	0.96	4	0	1	3	6.3	9.4	14-May-19
Middle Cr	2	Park Cr	Headwaters		16	0.69	2	0	0	2	1.4	2.9	14-May-19
Steele Cr	2	Steele Cr, Trib A	Headwaters		16	0.52	0	0	0	0	0.0	0.0	15-May-19
Coquille R, N Fk 1		Steele Cr	Evans Cr		7	1.66	0	0	0	0	0.0	21.7	08-May-19
Hudson Cr	2	Mouth	Headwaters		18	1.34	7	0	4	3	16.4	0.7	15-May-19
Hudson Cr	4	Mouth	Headwaters		17	1.26	0	0	0	0	0.8	0.0	15-May-19
Coquille R, N Fk 3		Hudson Cr	Moon Cr		19	1.05	6	5	1	0	34.3	7.6	14-May-19
Moon Cr	1	Mouth	Moon Cr, Trib A		16	1.06	30	7	9	14	41.5	16.0	14-May-19
Coquille R, N Fk, Trib Y	1	Mouth	Headwaters		15	0.53	3	0	2	1	18.9	1.9	15-May-19
East Fork				5		5.6							
Weekly Cr	2	Mouth	Trib A		15	0.28	0	0	0	0	3.6	0.0	06-May-19
Elk Cr, S Fk	1	Elk Cr, S Fk, Trib A	Headwaters		15	0.87	1	0	1	0	2.3	3.4	06-May-19
Coquille R, E Fk 2		Yankee Run	Hantz Cr		7	2.19	0	0	0	0	0.0	16.4	08-May-19
Steel Cr	1	Mouth	Headwaters		14	0.62	2	0	0	2	9.7	3.2	06-May-19
Coquille R, E Fk 2		Brummit Cr	Camas Cr		4	1.65	0	0	0	0	0.0	0.0	28-Mar-19
Middle Fork				4		4.7							
Coquille R, M Fk 1		Mouth	Indian Cr		4	1.49	0	0	0	0	0.0	59.7	08-May-19
Brownson Cr, W Fk	1	Mouth	Headwaters		15	0.79	2	0	2	0	5.1	1.3	13-May-19
Sandy Cr	2	Sandy Cr, Trib G	Headwaters		38	0.97	8	0	4	4	14.4	35.1	08-May-19
Coquille R, M Fk 3		Slide Cr	Rock Cr		4	1.42	1	0	0	1	0.0	14.8	08-May-19
South Fork				3		1.6							
Ward Cr	1	Ward Cr, Trib A	Headwaters		12	0.47	0	0	0	0	0.0	0.0	13-May-19
Salmon Cr	1	Two By Four Cr	Pyburn Cr		14	0.42	8	1	7	0	16.7	21.4	13-May-19
Rock Cr	1	Lake Cr	Sand Cr		14	0.68	8	0	3	5	5.9	8.8	13-May-19
Fourmile Cr				1		1.2							

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundry	Upstream reach boundry	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD				Redds / mile	LAMPREY	
							Live counts					Redds / mile	Last Survey Date
							Total	Marked	Not- marked	Un- known			
Mainstem				1		1.2							
Fourmile Cr	2	Oberg Cr	Fourmile Cr, N Fk		19	1.21	6	0	3	3	29.8	3.3	07-May-19
Floras Creek				4		3.8							
Mainstem				3		3.2							
Floras Cr	3	Floras Cr, Trib A	Floras Cr, Trib B		17	1.66	7	0	3	4	6.6	49.4	07-May-19
Floras Cr	4	Floras Cr, Trib B	Floras Cr, W Fk		17	0.84	3	0	2	1	7.1	35.7	06-May-19
Floras Cr	10	Floras Cr, Trib B	Floras Cr, W Fk		18	0.74	5	0	3	2	8.1	12.2	06-May-19
Floras Lake				1		0.6							
Boulder Cr	3	Floras Lake	Boulder Cr, Trib A		17	0.59	0	0	0	0	1.7	0.0	14-May-19
Sixes River				3		2.2							
Mainstem				3		2.2							
Sixes R	1	Elephant Rock Cr	Sixes R, S Fk		11	0.91	4	0	1	3	3.3	8.8	07-May-19
Sixes R	1	Sugar Cr	Sixes R, N Fk		19	0.80	2	0	2	0	8.7	15.0	06-May-19
Sixes R	1	Sixes R, N Fk	Hayes Cr		19	0.44	0	0	0	0	4.5	9.1	06-May-19
Westport Slough				2		1.8							
Mainstem				2		1.8							
Plympton Cr	2	Mouth	Headwaters		17	1.03	7	4	2	1	20.4	0.0	07-May-19
Tandy Cr	1	Mouth	Headwaters		17	0.74	0	0	0	0	0.0	0.0	07-May-19
Clatskanie River				20		17.4							
Mainstem				20		17.4							
Conyers Cr	1	Conyers Cr, Trib A	Roaring Cr		46	0.66	0	0	0	0	30.3	133.3	08-May-19
Conyers Cr	1	East Cr	Headwaters		23	1.21	0	0	0	0	1.7	8.3	08-May-19
Clatskanie R	1	Martin Cr	Merrill Cr		40	1.12	2	0	0	2	3.6	141.1	09-May-19
Perkins Cr	2	Mouth	Headwaters		20	0.96	0	0	0	0	0.0	0.0	07-May-19
Miller Cr	1	Mouth	Scout Lake Cr		22	1.02	0	0	0	0	3.9	0.0	08-May-19
Clatskanie R	1	Adam Cr	Division Cr		21	1.20	1	0	0	1	6.7	21.7	09-May-19
Carcus Cr	1	Mouth	Carcus Cr, W FK		19	1.37	1	0	1	0	12.4	43.8	14-May-19
Carcus Cr	2	Mouth	Carcus Cr, W FK		18	1.10	0	0	0	0	5.5	2.7	14-May-19
Carcus Cr	1	Carcus Cr, W FK	Lava Cr		40	1.64	0	0	0	0	7.3	0.0	14-May-19
Clatskanie R	1	Carcus Cr	Little Clatskanie R		19	0.86	2	0	2	0	5.8	66.3	09-May-19
Clatskanie R	2	Carcus Cr	Little Clatskanie R		19	0.72	0	0	0	0	13.9	31.9	09-May-19
Clatskanie R	5	Carcus Cr	Little Clatskanie R		18	1.09	1	0	1	0	3.7	0.0	06-May-19
Little Clatskanie R	2	Mouth	Headwaters		17	0.41	0	0	0	0	0.0	0.0	06-May-19

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundry	Upstream reach boundry	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD				LAMPREY		Last Survey Date
							Live counts				Redds / mile	Redds / mile	
							Total	Marked	Not- marked	Un- known			
Clatskanie R	2	Little Clatskanie R	Clatskanie R, Trib A		18	1.00	0	0	0	0	1.0	0.0	06-May-19
Clatskanie R	3	Little Clatskanie R	Clatskanie R, Trib A		18	0.70	0	0	0	0	1.4	0.0	06-May-19
Clatskanie R	1	Clatskanie R, Trib A	Dribble Cr		18	0.60	0	0	0	0	1.7	0.0	06-May-19
Dribble Cr	1	Mouth	Headwaters		18	0.14	0	0	0	0	0.0	0.0	16-May-19
Clatskanie R	1	Dribble Cr	Clatskanie R, Trib 1		18	0.31	0	0	0	0	0.0	0.0	16-May-19
Clatskanie R, Trib 1	1	Mouth	Headwaters		18	0.99	0	0	0	0	0.0	0.0	16-May-19
Clatskanie R	1	Clatskanie R, Trib 1	Headwaters		18	0.31	0	0	0	0	0.0	0.0	16-May-19
Goble Creek				1		1.2							
Mainstem				1		1.2							
Goble Cr, Trib B 2		Mouth	Headwaters		20	1.19	0	0	0	0	0.0	0.0	15-May-19
Tide Creek				2		1.2							
Mainstem				2		1.2							
Merrill Cr, Trib A 3		Mouth	Headwaters		38	0.17	0	0	0	0	0.0	0.0	15-May-19
Merrill Cr	1	Merrill Cr, Trib A	Headwaters		18	1.02	0	0	0	0	0.0	0.0	15-May-19
Lower Willamette (Canb				20		15.1							
Mainstem				9		6.1							
Mt Scott Cr	2	Phillips Cr	Headwaters		22	1.12	0	0	0	0	0.0	0.0	15-May-19
Kellogg Cr	2	Mt Scott Cr	Headwaters		20	0.28	0	0	0	0	0.0	0.0	06-May-19
Nettle Cr	1	Mouth	Nettle Cr, Trib A		20	0.40	0	0	0	0	0.0	0.0	06-May-19
Tryon Cr	1	Nettle Cr	Park Cr		20	0.51	0	0	0	0	0.0	0.0	06-May-19
Abernathy Cr	1.1	Holcomb Cr	Thimble Cr		24	1.07	0	0	0	0	8.4	190.7	14-May-19
Thimble Cr	1	Mouth	Headwaters		21	0.48	0	0	0	0	0.0	0.0	07-May-19
Martin Cr	1	Mouth	Headwaters		24	0.66	0	0	0	0	0.0	0.0	09-May-19
Abernathy Cr	1	Root Cr	Headwaters		24	0.68	0	0	0	0	2.9	0.0	09-May-19
Abernathy Cr	2	Root Cr	Headwaters		24	0.85	0	0	0	0	0.0	0.0	09-May-19
Milton Creek				8		6.6							
Milton Cr	2	Scappoose Bay	Perry Cr		22	0.89	0	0	0	0	0.0	0.0	13-May-19
Milton Cr	2	Perry Cr	Dart Cr		22	0.70	0	0	0	0	0.0	0.0	13-May-19
Cox Cr	3	Mouth	Headwaters		18	0.36	0	0	0	0	0.0	0.0	13-May-19
Cox Cr	4	Mouth	Headwaters		18	0.99	0	0	0	0	0.0	0.0	13-May-19
Cox Cr	5	Mouth	Headwaters		18	1.39	0	0	0	0	0.0	0.0	13-May-19
Milton Cr	1	Cox Cr	Salmon R		44	0.66	0	0	0	0	0.0	0.0	13-May-19
Salmon R	2	Mouth	Headwaters		18	0.49	0	0	0	0	0.0	0.0	15-May-19

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundry	Upstream reach boundry	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD				LAMPREY		Last Survey Date
							Live counts				Redds / mile	Redds / mile	
							Total	Marked	Not- marked	Un- known			
Milton Cr	1	Apilton Cr	Headwaters		20	1.10	0	0	0	0	0.0	0.0	14-May-19
Johnson Creek				3		2.4							
Crystal Springs Cr	1	Mouth	Headwaters		19	0.98	1	0	1	0	4.1	0.0	06-May-19
Kelly Cr	2	Mouth	Headwaters		42	0.28	0	0	0	0	0.0	0.0	06-May-19
Johnson Cr	4	Kelly Cr	Headwaters		21	1.16	0	0	0	0	0.0	0.0	06-May-19
Scappoose Creek				2		0.5							
South Scappoose Creek				2		0.5							
Gourlay Cr, Trib B	1	Mouth	Headwaters		19	0.25	0	0	0	0	0.0	0.0	15-May-19
Gourlay Cr	1	Gourlay Cr, Trib B	Headwaters		19	0.28	0	0	0	0	0.0	0.0	15-May-19
Clackamas River				20		25.6							
Mainstem				9		15.3							
Clackamas R	3	Mouth	Rock Cr		20	1.92	4	0	0	4	3.1	19.8	15-May-19
	1	Rock Cr	Clear Cr		10	1.52	7	0	2	5	0.0	2.6	15-May-19
Richardson Cr	1	Mouth	Headwaters		12	1.57	0	0	0	0	0.0	0.0	14-Jan-19
Tickle Cr	4	Tickle Creek, Trib B	Tickle Creek, Trib C		21	1.01	0	0	0	0	6.9	0.0	07-May-19
Tickle Cr	1	Tickle Creek, Trib C	Headwaters		21	1.27	0	0	0	0	1.6	0.0	07-May-19
Clackamas R	2	Deep Cr	Goose Cr		9	1.48	2	0	0	2	0.0	0.0	08-May-19
Clackamas R	1	Goose Cr	Eagle Cr		9	1.95	0	0	0	0	0.0	0.0	08-May-19
Clackamas R	1	Eagle Cr	Dubois Cr		9	2.04	8	0	1	7	0.0	0.0	08-May-19
Clackamas R	3	Eagle Cr	Dubois Cr		9	2.52	4	0	0	4	0.0	0.0	08-May-19
Clear Creek				5		4.4							
Clear Cr	4	Bargfeld Cr	Little Clear Cr (Soap Cr)		23	0.48	0	0	0	0	6.3	25.0	09-May-19
Little Clear Cr (Soap Cr)	1	Mouth	Mosier Cr (Trestle Cr)		23	0.87	0	0	0	0	1.1	2.3	07-May-19
Little Clear Cr	1	Mosier Cr (Trestle Cr)	Headwaters		23	0.79	0	0	0	0	0.0	0.0	07-May-19
Clear Cr	3	Little Clear Cr (Soap Cr)	Clear Cr, Trib A2		22	1.08	1	0	0	1	7.4	20.4	09-May-19
Clear Cr	1	Little Cedar Cr	Little Clear Cr		23	1.15	0	0	0	0	6.1	0.0	06-May-19
Eagle Creek				6		5.9							
Eagle Cr	6	Currin Cr	Eagle Cr, N Fk		23	0.54	0	0	0	0	9.3	5.6	14-May-19
Suter Cr	1	Mouth	Headwaters		18	1.20	0	0	0	0	5.0	0.0	07-May-19
Trout Cr	2	Mouth	Headwaters		23	1.10	0	0	0	0	0.0	0.0	14-May-19
Eagle Cr	2	Eagle Cr, N Fk	Delph Cr		24	1.22	2	1	0	1	16.4	4.1	14-May-19
Delph Cr	2	Mouth	Delph Cr, Trib A		20	1.24	0	0	0	0	7.3	0.0	07-May-19

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundry	Upstream reach boundry	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD				Redds / mile	LAMPREY	
							Live counts					Redds / mile	Last Survey Date
							Total	Marked	Not- marked	Un- known			
Eagle Cr	1	Delph Cr	Eagle Cr, S Fk		24	0.61	1	0	1	0	37.7	11.5	14-May-19
Sandy River				20		24.1							
Mainstem				20		24.1							
Sandy R	1	Beaver Cr	Big Cr		18	1.57	0	0	0	0	0.0	0.0	09-May-19
Sandy R	2	Beaver Cr	Big Cr		19	1.62	4	0	1	3	10.5	3.7	09-May-19
Sandy R	3	Beaver Cr	Big Cr		19	1.31	5	0	0	5	3.1	0.0	09-May-19
Sandy R	4	Beaver Cr	Big Cr		19	1.65	1	0	0	1	0.0	0.0	09-May-19
Sandy R	2	Big Cr	Buck Cr		19	0.61	0	0	0	0	1.6	0.0	08-May-19
Buck Cr	1	Mouth	Headwaters		21	0.49	0	0	0	0	0.0	0.0	09-May-19
Sandy R	1	Gordon Cr	Trout Cr		25	0.46	1	0	0	1	10.9	28.3	09-May-19
Trout Cr	1	Mouth	Headwaters		22	0.16	0	0	0	0	0.0	6.3	09-May-19
Sandy R	1	Trout Cr	Bear Cr		19	2.00	3	0	0	3	1.0	0.0	08-May-19
Sandy R	1	Kotzman Cr	Cedar Cr		18	2.47	1	0	1	0	4.9	0.0	08-May-19
Sandy R	1	Cedar Cr	Badger Cr		18	2.18	7	0	3	4	38.4	0.0	08-May-19
Sandy R	5	Badger Cr	Whisky Cr		14	0.55	7	0	3	4	49.5	0.0	07-May-19
Sandy R	1	Spring Trib A	Alder Cr		28	0.81	0	0	0	0	19.8	0.0	07-May-19
Alder Cr	3	Mouth	Headwaters		16	1.12	0	0	0	0	2.7	0.0	14-May-19
Sandy R	1	Wildcat Cr	Spring Trib B		14	2.44	1	0	0	1	4.9	0.0	07-May-19
Sandy R	1	Zigzag Cr	Clear Cr		6	0.68	2	0	0	2	7.4	0.0	13-May-19
Clear Cr	1	Mouth	Little Clear Cr		23	0.87	0	0	0	0	9.2	0.0	13-May-19
Lost Cr	1	Cast Cr	Lost Cr, Trib A		23	1.10	0	0	0	0	0.0	0.0	13-May-19
Burnt Lake Cr ,Trib A	1	Mouth	Headwaters		21	1.38	0	0	0	0	0.0	0.0	07-May-19
Burnt Lake Cr	1	Burnt Lake Cr ,Trib A	Headwaters		21	0.66	0	0	0	0	0.0	0.0	07-May-19
Salmon River				4		4.1							
Mainstem				4		4.1							
Salmon R	2	Boulder Cr	Sixes Cr		24	1.59	2	0	1	1	17.0	0.0	13-May-19
Little Cheeney Cr	1	Mouth	Headwaters		22	0.54	0	0	0	0	0.0	0.0	09-May-19
Salmon R	2	Cheeney Cr	Salmon R, Trib A		25	1.04	0	0	0	0	2.9	0.0	09-May-19
Salmon R	2	Salmon R, Trib A	Salmon R, S Fk		44	0.90	2	0	0	2	0.0	0.0	09-May-19
Zigzag River				9		7.1							
Mainstem				5		3.3							
Henry Cr	1	Mouth	Caldwell Cr		24	1.04	0	0	0	0	8.7	0.0	13-May-19
Zigzag R	1	Henry Cr	Still Cr		23	0.30	0	0	0	0	3.3	0.0	06-May-19
Camp Cr	1	Mouth	Bruin Run Cr		24	0.64	0	0	0	0	1.6	0.0	13-May-19
Camp Cr	2	Wind Cr	Headwaters		24	0.62	0	0	0	0	0.0	0.0	13-May-19

2019 Provisional Summary of Winter Steelhead Spawning Surveys

Basin, Subbasin, Survey Reach	Seg- ment	Downstream reach boundry	Upstream reach boundry	No. Sur- veys	Times surveyed	Survey length (miles)	STEELHEAD					Redds / mile	LAMPREY Redds / mile	Last Survey Date
							Live counts							
							Total	Marked	Not- marked	Un- known				
Zigzag Cr	1	Lady Cr	Little Zigzag Canyon		21	0.70	0	0	0	0	0.0	0.0	13-May-19	
Still Creek				4		3.8								
Still Cr	3	Mouth	Cool Cr		44	1.13	0	0	0	0	38.9	0.0	14-May-19	
Cool Cr	1	Mouth	Headwaters		22	0.49	0	0	0	0	0.0	0.0	14-May-19	
Still Cr	1	Cool Cr	Still Cr, Trib A		22	1.07	0	0	0	0	12.1	0.0	14-May-19	
Still Cr	3	Still Cr, Trib A	Still Cr, Trib B		19	1.10	0	0	0	0	0.0	0.0	14-May-19	