ODFW PROGRESS REPORT Series



Oregon Department of Fish and Wildlife

2017 Oregon Chub Investigations

Project Numbers: F16AC00392 (USFWS) & W9127N-14-2-0008-0004 (USACE)

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ANNUAL PROGRESS REPORT FISH RESEARCH PROJECT OREGON

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SUMMARY

Oregon Chub *Oregonichthys crameri,* a small minnow endemic to the Willamette Valley, was listed as endangered under the federal Endangered Species Act (ESA) in 1993. Factors implicated in the decline of this species included changes in flow regimes and habitat characteristics resulting from the construction of flood control dams, revetments, channelization, diking, and the drainage of wetlands. The Oregon Chub was further affected by predation and competition by nonnative species such as Largemouth Bass *Micropterus salmoides*, crappies *Pomoxis* sp., sunfishes *Lepomis* sp., bullheads *Ameiurus* sp., and Western Mosquitofish *Gambusia affinis*. In February 2015, Oregon Chub became the first fish removed (delisted) from the ESA due to recovery (Federal Register 2015).

Prior to the delisting, the U.S. Fish and Wildlife Service (USFWS) led a multiagency group that developed the Post-Delisting Monitoring Plan (PDM) for the Oregon Chub (U.S. Fish and Wildlife Service 2014). This document provides monitoring guidance for Oregon Chub to track changes in distribution, abundance, habitat conditions, and threats after delisting. Monitoring through the PDM will extend, at a minimum, for 9 years. The PDM identifies three Recovery Areas that cover the range of Oregon Chub populations: Santiam, Mainstem Willamette, and Middle Fork Willamette. One Recovery Area will be sampled each year and each Recovery Area will be sampled three times during the PDM period. This monitoring program will consist of the following three components: 1) population abundance and distribution monitoring, 2) monitoring the distribution of co-occurring nonnative species, and 3) habitat monitoring. The PDM identifies circumstances that will trigger increased monitoring or potentially lead to a status review under the ESA, and circumstances when there are no longer concerns for Oregon Chub and the PDM requirements have been fulfilled. The PDM continues the monitoring program that was initiated in 1991 to evaluate the status and implement the research and recovery objectives listed in the Oregon Chub Recovery Plan (U.S. Fish and Wildlife Service 1998). In addition, we sampled locations in other basins included in our ongoing floodplain study or that were of management or conservation interest.

In 2017, we sampled a total of 142 locations, 41 of which we visited for the first time. We discovered two new populations of Oregon Chub in the Middle Fork Willamette Recovery Area. We confirmed the continued existence of Oregon Chub at 69 locations, including 56 naturally occurring and 13 introduced populations. We obtained abundance estimates for 33 naturally occurring populations and 8 introduced populations of Oregon Chub that were located throughout the Willamette basin. We documented 29 populations of Oregon Chub ≥500 individuals; 7 of these populations were in the Santiam Recovery Area, 7 in the Mainstem Willamette Recovery Area, and 15 in the Middle Fork Willamette Recovery Area. We documented nonnative fish at 49% of all occupied Oregon Chub habitats sampled in 2017. Our results confirm that habitat conditions continue to support populations of Oregon Chub in habitats hydrologically connected to mainstem rivers in each Recovery Area. Our results suggest that Oregon Chub remain secure in the areas sampled without the protection of the ESA based on criteria established by the PDM.

INTRODUCTION

Oregon Chub are endemic to the Willamette River drainage of western Oregon (Markle et al. 1991). This species was formerly distributed throughout the Willamette River Valley (Snyder 1908) in off-channel habitats such as beaver ponds, oxbows, backwater sloughs, and flooded marshes. These habitats usually have little or no water flow, have silty and organic substrate, and have an abundance of aquatic vegetation and cover for concealment and spawning. In the past 100 years off-channel habitats have disappeared because of changes in seasonal flows resulting from the construction of dams throughout the basin, channelization of the Willamette River and its tributaries, and agricultural practices. This loss of habitat, combined with the introduction of nonnative fish species to the Willamette Valley, resulted in a restricted distribution and sharp decline in Oregon Chub abundance and a determination of "endangered" status under the federal endangered species act in 1993 (Markle and Pearsons 1990; Rhew 1993).

Since 1991, the Oregon Department of Fish and Wildlife - Native Fish Investigations Program (ODFW) has evaluated the status and implemented the research and recovery objectives listed in the Oregon Chub Recovery Plan (U.S. Fish and Wildlife Service 1998; Bangs et al. 2014a). In 2009, ODFW initiated an additional, ongoing study to assess the effects of flow and temperature modifications and proposed reconnection of floodplain habitats on Oregon Chub and other floodplain fishes (Bangs et al. 2014b). Through the coordinated efforts of a multiagency working group, with the aid of private landowners and other non-governmental organizations, the status of the Oregon Chub has dramatically improved (Scheerer et al. 2007, Bangs et al. 2014a). The USFWS downlisted the Oregon Chub to "threatened" status in 2010 (Federal Register 2010), and in February 2015 Oregon Chub became the first fish delisted from the ESA due to recovery (Federal Register 2015).

Prior to delisting the Oregon Chub, the USFWS led a multiagency group that developed the Post-Delisting Monitoring Plan (PDM) for the Oregon Chub (U.S. Fish and Wildlife Service 2015). This document builds upon the success of the Recovery Plan for the Oregon Chub by incorporating the information gained while the species was listed. The PDM period will extend, at a minimum, for nine years to 2023. The PDM identifies three Recovery Areas that cover the range of Oregon Chub populations: Santiam, Mainstem Willamette, and Middle Fork Willamette. One Recovery Area will be sampled each year and each Recovery Area will be sampled three times during the PDM period (Table 1).

Table 1. Frequency of sampling in each Recovery Area from 2015 through 2023.

		Cycle 1			Cycle 2		-	Cycle 3	
Recovery Area	2015	2016	2017	2018	2019	2020	2021	2022	2023
Santiam	X			Х			X		
Mainstem Willamette		X			X			Х	
Middle Fork Willamette			Χ			Χ			Χ

The PDM provides monitoring guidance for Oregon Chub following delisting to track changes in distribution, abundance, habitat conditions, and threats. Section 5 of the PDM identifies circumstances that will trigger increased monitoring and identifies circumstances when there are no longer concerns for Oregon Chub and the PDM requirements have been fulfilled. The triggers for concluding the PDM are:

I. Population Abundance and Distribution Triggers

- There are at least 25 populations with population abundance ≥500 individuals each; and
- 2. At least 5 populations with ≥500 individuals each exist in each of the three Recovery Areas; and

II. Nonnative Species Triggers

- 1. Fewer than 80 percent of all habitats occupied by Oregon Chub contain competitive or predatory nonnative species; and
- 2. New competitive or predatory nonnative species are absent or distributed in less than 30 percent of Oregon Chub habitat within each individual Recovery Area; and

III. Habitat Status Triggers

1. The U.S. Army Corps of Engineers does not conduct additional complete reservoir drawdowns upstream of Oregon Chub populations, or, if complete reservoir drawdowns occur, no significant adverse changes to the fish community or habitat are caused; and

- 2. At least 50 percent of the hydrologically connected Oregon Chub habitats in a subbasin continue to have sufficient habitat quality to support Oregon Chub populations; and
- A 50-year interval flood event does not occur in the basins containing Oregon
 Chub or a 50-year interval flood event does occur, but does not cause a decline
 in Oregon Chub populations or habitat, or a significant increase in the
 distribution of nonnative fish.

This report summarizes the surveys conducted in 2017 and evaluates the status of Oregon Chub relative to the triggers listed for conclusion of the PDM. In addition, we discuss the history of, and additional opportunities for, introductions of Oregon Chub into new habitats.

METHODS

The PDM defines the three Recovery Areas for the Oregon Chub: Santiam, Middle Fork Willamette, and Mainstem Willamette. The Santiam and Middle Fork Willamette recovery areas include all locations within the Santiam River basin and Middle Fork Willamette River basin, respectively. The Mainstem Willamette Recovery Area includes the remainder of the Willamette River basin, including the Luckiamute River, Mary's River, McKenzie River, and Molalla River tributaries. In 2017, we focused our monitoring on the Middle Fork Willamette Recovery Area. In addition, we sampled locations in other basins included in our ongoing floodplain study or that were of management or conservation interest. We conducted surveys at 142 locations in the Willamette River drainage. We sampled off-channel habitats using baited minnow traps, seines, dip nets, hoop nets, and boat electrofishing. Minnow traps were cylindrical, were 46 cm long and 23 cm in diameter, and were constructed of 3.2 mm wire mesh. Seines were 1 m tall and 5 m long and constructed of 6.4 mm mesh. Dip nets were constructed of 6.4 mm mesh (stretch measure). Hoop nets consisted of 4 hoops measuring 61 cm in diameter, were 3.1 m long, had two 0.6 m tall by 7.6 m long wings, and were constructed of 1.3 cm mesh (stretch measure). Boat electrofishing was conducted using either a Smith-Root 5,000 W generator powered pulsator (model 5.0 GPP) or a Midwest Lake Electrofishing Systems Infinity control box powered by a 3,000 W generator. The hoop nets had two wings measuring 0.6 m tall by 7.6 m long with 1.3 cm stretched mesh. We identified and enumerated all fish captured. We recorded the presence and life stage of amphibian and reptile species that we encountered.

We recorded biotic and abiotic characteristics at each location including substrate type, percent of wetted surface area with aquatic vegetation, mean and maximum depth, water temperature, and total wetted surface area. Substrate was categorized as percent fines (<1/16th mm), sand (1/16th-2 mm), gravel (3-64 mm), cobble (65-256 mm), boulder (>256 mm), and bedrock. We photographed and assigned a unique map code to each new location.

We used minnow traps to obtain mark-recapture population estimates for all fish species, when possible. We baited the traps with one third slice of bread and fished them for three to 18 hours. We measured the total length (TL) of a subsample (n=50) of the Oregon Chub that we collected in the traps. We marked all fish with a partial caudal fin clip and returned them to the water. On the second day, if the ratio of unmarked to recaptured fish exceeded 10:1, we repeated this procedure and marked all unmarked fish captured on the second day. We typically marked fish until a minimum of 15 percent of the population was marked, based on previous population estimates. We estimated population abundance using a single-sample mark-recapture model (Ricker 1975). To calculate population abundance, we used the total number of marked fish, and the catch and recaptures from the last sample date. We calculated 95% confidence intervals using a Poisson approximation (Ricker 1975). Our minnow traps were unable to catch fish smaller than ≈30 mm (TL); these fish were assumed to be young-of-the-year (Scheerer and McDonald 2003) and were not included in the abundance estimates. In addition, in habitats that have at least periodic open-water connection to adjacent waterbodies, we checked each captured Oregon Chub for a VIE tag, which were implanted during previous studies for tracking movement among populations (Bangs et al. 2013). At the Hospital Impoundment Pond, we obtained the population abundance estimate during a fish salvage effort. For this population, we calculated the population abundance and 95% confidence intervals using a two-sample removal estimate as described by Seber and Le Cren (1967).

We defined a population as a group of Oregon Chub that occupies a single, defined waterbody. If there was an open-water connection and the potential for frequent movement of chub between adjacent sloughs or ponds, then we considered adjacent locations to be part of a single population. At locations where abundance estimates were obtained in 2016 (Bangs and Meeuwig 2017) and 2017, we compared the 95% confidence intervals. If the ranges of each 95% confidence intervals did not overlap, we defined these changes in abundance as significant.

RESULTS

Detailed descriptions of habitat characteristics and the fish species present at each of the 142 locations sampled in 2017 (Figure 1) are presented in **APPENDIX A**.

We estimated the abundance of Oregon Chub at 41 locations, and confirmed the continued presence of Oregon Chub at 69 locations (Tables 2 and 3). We estimated the population abundance of Oregon Chub at 9 locations in the Santiam River Recovery Area, There were 7 populations in the Santiam Recovery Area with ≥500 Oregon Chub. We were unable to capture Oregon Chub at Santiam I-5 Side Channels, where Oregon Chub were captured in 2016. We noted significant increases in Oregon Chub abundance at Geren Island North Channel, Stayton Public Works Pond, South Stayton Pond, and Pioneer Park Pond. We noted a significant decline in Oregon Chub abundance at Chahalpam Slough.

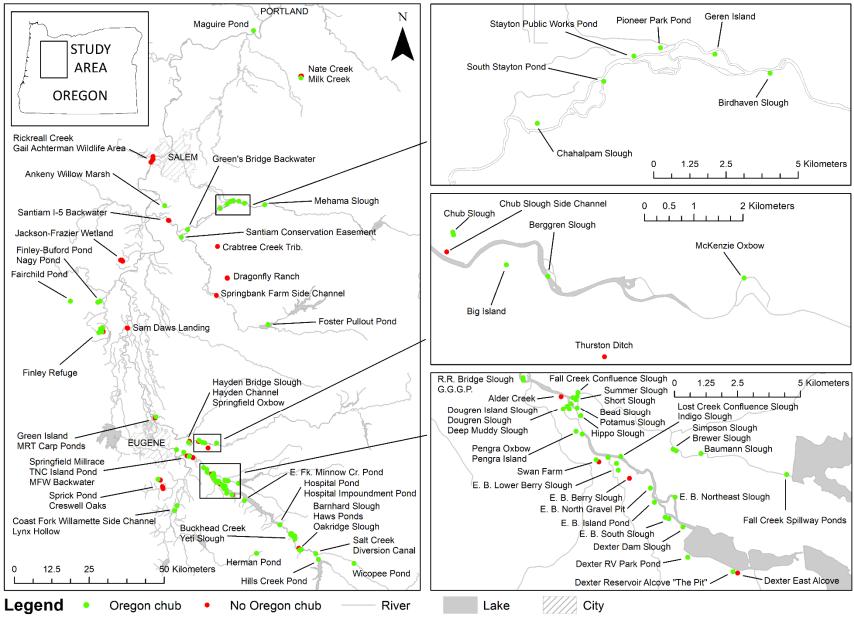


Figure 1. Survey locations for Oregon Chub in the Willamette River basin in 2017. Green circles indicate locations where Oregon Chub were detected during sampling. Red circles indicate locations where Oregon Chub were not detected during sampling. Overlapping symbols represent multiple locations occurring at or near the same survey location.

Table 2. Oregon Chub population abundance estimates from 2013-2017, listed by Recovery Area. Basins: CFW= Coast Fork Willamette, FALL= Fall Creek, LONG = Long Tom, LUCK= Luckiamute, MARY= Mary's, MCK= McKenzie, MFW= Middle Fork Willamette, MILL= Mill Creek, MOL= Molalla, MS= Mainstem Willamette and tributaries, MOL= Molalla, NS= North Santiam, SANT= Mainstem Santiam, SS= South Santiam. We also included a summary of data prior to 2013, including the years when we first discovered or introduced each population and the ranges of abundance. Abundance was calculated using a mark-recapture model, except where numbers are shown in bold, which only represent the number of fish captured. Location names in bold italics are locations where Oregon Chub were introduced. The numbers of fish stocked at introduction locations are shown in parentheses.

		·	First				Year		
Recovery		Location	discovered/	Range through					
Area	Basin	name	introduced	2012	2013	2014	2015	2016	2017
Mainstem	MS	Ankeny Willow Marsh	2004	500 – 96,810	47,920	19,340	16,930	15,730	11,410
Willamette	MCK	Big Island	2002	190 – 1,240	1,160	860	2,160	820	2,550
	MARY	Finely Beaver Pond	2010	310 – 1,340	1,600	37	10	200	1,990
	MCK	McKenzie Oxbow	2009	2,420 – 3,550	6,180	9,030	3,700	430	1,830
	MCK	Berggren Slough	2009	520 – 920	610	290	750	1,090	950
	MARY	Finley-Buford Pond	2011	460	1,010	503	800	740	770
	MOL	Maguire Pond	2015	0			(510)		650
	CFW	Coast Fork Willamette Side Channels	2002	16 – 190	60	240	240	700	410
	MARY	Finley Gray Creek Swamp	1993	230 – 2,350	1,370	5	5	220	(65) 270
	MARY	Finley Field-22 Pond	2017						(150)
	MCK	Chub (Ezell) Slough	2005	6 – 140			65	140	131
	MCK	Springfield Oxbow	2012	4				53	96
	MARY	Fairchild Pond	2015				(150)	650	65
	CFW	Sprick Pond	2008	12 - 700	610	500		(75) 1,190	(41)
	MARY	Nagy (Williams-Murphy) Pond	2011	7	1,080	500	0	0	(37)
	MARY	Finley Display Pond	1998	60 – 1,750	120	530	5	130	13
	CFW	Lynx Hollow Side Channels	2005	0 - 4	4	0	0	40	5
	MOL	Milk Creek	2014			1			1
	MCK	Green Island	2007	0 – 12	3	2	22	0	1
	CFW	Herman Pond	2002	0 - 420	150				1
	CFW	Camas Swale	1992	0 – 2				0	0
	MS	Dunn Wetland	1997	200 – 47,350	6,440	14,600	1,000	20,859	
	MOL	Ellis Slough	2014			1,100	6,580	7,510	
	MCK	Shetzline Pond	2002	120 – 9,270	3,240	4,330		3,820	
	LUCK	McCrae Reservoir	2013		(29)	(14) 0	208	(9) 260	
	MCK	Russell Pond	2001	340 - 2,780	130	360		220	
	MCK	Vickery Park Slough	2011	22 - 60	12	80		110	
	LUCK	Jont Creek	2012	90	370	140	4	90	
	MS	Camous Creek	1993	5	56	22		42	
	MOL	Labedz Slough	2013		29	90	100	30	
	MARY	Schmedding Beaver Creek Swamp	2015				(150)	30	
	MS	Dry Muddy Creek	1994	500	52	34	2	28	

Table 2 (continued).

			First				Year		
Recovery		Location	discovered/	Range through					
Area	Basin	name	introduced	2012	2013	2014	2015	2016	2017
Mainstem	MCK	Cedar Creek	2012	170	25			26	
Willamette	MCK	Hendrick's Bridge Slough	2011	70	22	39		3	
	MS	Muddy Creek	2007	0-3	46	2		2	
	MCK	Brick Slough	2016					2	
	MCK	Bovine Slough	2016					1	
	MARY	Finley Cheadle Pond	2002	20 – 3,520	160	370		0	
	MCK	Ellison Pond and Slough	2012	1	9			0	
	MS	Dunawi Creek	2012	5	0			0	
	MOL	Feyrer Park Slough	2013		1	0	0		
	MS	St. Paul Ponds	2008	2 – 510	440	53	dry		
	MOL	Wagonwheel Park	2014			25			
	MS	Jampolsky Wetlands	2004	500 – 8,320	0				
	MCK	Grant Farm Channel	2012	8					
	MS	Bull Run Creek	2005	0 – 2					
	MS	Little Muddy Creek tributary	2004	0-5					
Santiam	NS	Geren Island North Channel	1996	210 – 8,660	2,280	1,370	610	770	1,640
	NS	Stayton Public Works Pond	1998	0 - 1,100	1,530	260	22	300	1,300
	NS	South Stayton Pond	2006	54 – 6,230	1,100	1,370	620	610	1,020
	NS	Mehama Slough	2010	15 – 1,240	1,380	2,800	1,030	1,240	910
	NS	Foster Pullout Pond	1999	85 – 2,640	3,410	2,420	5,050	970	900
	NS	Pioneer Park Pond	1997	0 - 2,710	1,630	3,880	2,220	280	600
	NS	Birdhaven Slough	2014			5350	5,980	3780	500
	NS	Santiam Conservation Easement	1994	0 – 1,250	310	300	930	920	490
	NS	Green's Bridge Slough	1993	0 - 610	670	510	690	170	70
	NS	Chahalpam (Gray) Slough	1995	0 - 700	2430	2200	680	90	10
	SANT	Santiam I-5 Side Channels	1997	2 – 350	420	30	3	1	0
	NS	Budeau North Pond	2010	310 – 5,730	8,350		11,260	480	
	NS	Budeau South Pond	2010	312 – 4,160	2,810		6,180	(200) 0	
	SS	Rummel Pond	2016					(92)	
	NS	Boomer Slough	2014			6	0	Ò	
	NS	Koenig Slough	2011	443 – 2,410	1,780		1,640		
	NS	North Stayton Pond	2010	300 – 4,370	3,720	50	1,090		
	NS	Buell-Miller Slough	2010	2 – 710	, 760		730		
	NS	Taloali Slough	2013		4		581		
	NS	Stout Creek	2013		39	54	420		
	NS	Eck Slough	2015				43		
	NS	Hatch Side Channels	2015				33		

Table 2 (continued).

			First				Year		
Recovery		Location	discovered/	Range through					
Area	Basin	name	introduced	2012	2013	2014	2015	2016	2017
Santiam	NS	Harris Slough	2011	18 – 80	30	30	19		
	NS	Trexler Farm Ponds	2013		53	28	4		
	NS	Alder Creek	2015				1		
	NS	Logan Slough	1997	0 – 1	0		0		
	NS	Foster Reservoir	2014			9			
	SS	Hospital Slough	2009	10					
	NS	Cold Creek Slough	2011	0 – 59					
	NS	Menear's Bend	2000						
Middle Fork	MFW	Wicopee Pond	1988	0 – 5,620	4,380	35		20	6,610
Willamette	MFW	Elijah Bristow South Slough	2008	1 – 880	280	750	1,550	1,510	4,690
	MFW	Elijah Bristow North Gravel Pit	2011	0 – 60	450	510	1,870	3,440	4,360
	MFW	Buckhead Creek	1992	2 – 7,140	4,600	1,794			3,170
	MFW	East Fork Minnow Creek Pond	1993	1,340 - 8,770	1,340	1,890			2,660
	MFW	Elijah Bristow Island Pond	2003	420 - 2,780	2,250	890	3,950	6,380	2,480
	MFW	Hospital Pond	1993	690 – 5,040	1,360	2,640	870	1,410	2,340
	MFW	Shady Dell Pond	1993	1,600 - 7,250	2,890	2			1,980
	MFW	Haws Enhancement Pond	2009	1 - 3,150	790	1,800	3,220	1,040	1,950
	MFW	Dexter Reservoir RV Alcove - DEX3	1992	15 – 3,310	3,550	3,960	6,550	6,900	1,460
	MFW	Dougren Slough	2008	1 – 1,730	522	958	1,150	2,470	1,080
	MFW	Yeti Slough	2014		1,060	1,059			985
	MFW	Lost Creek Slough	2012	13	21	42	500		710
	MFW	Fall Creek Spillway Ponds	1996	480 – 7,770	9,110	9,900	13,400	6,610	670
	MFW	Dexter Reservoir Alcove - PIT1	1992	40 - 1,440	2,590	870	1,740	2,100	590
	MFW	Haws Pond	2005	120 - 810	510	510	210	1,190	440
	MFW	Elijah Bristow Northeast Slough	1999	210 - 1,340	890	1,030	1,360	710	410
	MFW	Dexter Dam Slough	2009	510 – 920	1,090	2,120	900	1,050	380
	MFW	Hills Creek Pond	2010	1,127 - 23,000	14,610	1,950	330	500	310
	MFW	Hospital Impoundment Pond	1995	0 - 80	1	0	0	158	300
	MFW	Potamus Slough	2016					15	250
	MFW	Dougren Island Slough	2011	34 - 280	1,700	323	110		231
	MFW	Pengra Island Slough	2003	40 – 200	40	60	110	440	230
	MFW	Elijah Bristow Berry Slough	1993	1,190 - 8,130	1,170	510	330	3	100
	MFW	Bead Slough	2016	•	•			17	75
	MFW	Swan Farm	2015				140		34
	MFW	Campers Cove	2017						33
	MFW	Jasper Railroad Bridge Slough	2009	0 – 80	0	8	0	20	30
	MFW	Indigo Slough	2017						27

Table 2 (continued).

			First				Year		
Recovery		Location	discovered/	Range through					,
Area	Basin	name	introduced	2012	2013	2014	2015	2016	2017
Middle Fork	MFW	Deep Muddy Slough	2009	0 – 40	10	29	90	50	21
Willamette	MFW	Hippo Slough	2015				9		20
	FALL	Brewer Slough	2013		1	40	20	0	10
	MFW	Salt Creek Diversion Canal	2012	150	2				9
	MFW	Summer Side Channel	2016					4	7
	MFW	Short Slough	2016					2	6
	MFW	Green Grass Gravel Pit	2012	24	7	3	0	0	5
	MFW	Springfield Millrace Slough	2009	0 – 8					5
	MFW	Oakridge Slough	1994	0 - 480	3	0		5	2
	FALL	Simpson Slough	2012	1	0	1	2	13	2
	FALL	Baumann Slough	2012	1	0	90	20	1	1
	FALL	Fall Creek Confluence Slough	2012	5	1	3	1	0	1
	MFW	Jasper Park Slough	1994	0 – 3					1
	MFW	Pengra Oxbow Slough	2008	1 – 80	160	100	2	8	1
	MFW	Dexter East Alcove	1992	0 - 40					0
	MFW	TNC Island Slough	2012	2					0
	MFW	Barnhard Slough	2000	0 – 7	0	0	0	0	0
	FALL	Fall Creek	2016					1	
	MFW	Elijah Bristow Large Gravel Pit	1992	0 – 8	0				
	MFW	Elijah Bristow Small Gravel Pit	1992	0-31	0				
	MFW	Rattlesnake Creek	1992	0 – 5	0				
	MFW	Lookout Point Reservoir	2012	1					
	MFW	Pudding Creek	2011	0 - 1					
	MFW	East Ferrin Pond	1994	0 – 7,160					
	MFW	Wallace Slough	1997	0 – 3					
	MFW	Dexter Reservoir	2002	1					
	MFW	West Ferrin Pond	1992	0 – 525					

Table 3. 2017 Oregon Chub abundance estimates and 95% confidence limits. Locations are grouped by Recovery Area and drainage. Note: the Mainstem Willamette Recovery Area contains multiple river drainages.

Contains multiple river dramages.		95% Confi	dence limits
Location	Estimate	Lower	Upper
Mainstem Wi	llamette Recovery Area		
Coast Fork Willamette River Drainage			
Coast Fork Side Channels	410	300	570
Mainstem Willamette River Drainage			
Ankeny Willow Marsh	11,410	8,650	15,030
Mary's River Drainage			
Finley Beaver Pond	1,990	1,250	3,120
Finley Gray Creek Swamp	270	210	350
McKenzie River Drainage			
Big Island	2,550	2,060	3,140
McKenzie Oxbow	1,730	1,220	2,450
Berggren Slough	950	800	1,120
Molalla River Drainage			
Maguire Pond	650	520	810
Santiam F	River Recovery Area		
Geren Island North Channel	1,640	1,480	1,820
Stayton Public Works Pond	1,300	1,100	1,530
South Stayton Pond	1,020	860	1,210
Mehama Slough	910	790	1,050
Foster Pullout Pond	900	790	1,030
Pioneer Park Pond	600	490	740
Santiam Conservation Easement	490	230	940
Green's Bridge Slough	70	40	110
Chahalpam Slough	10	1	20

Table 3 continued on next page

Table 3 (continued).

		95% Confid	dence limits
Location	Estimate	Lower	Upper
Middle Fork W	/illamette Recovery Are	a	
Wicopee Pond	6,610	5,720	7,630
Elijah Bristow South Slough	4,690	3,670	5,990
Elijah Bristow North Gravel Pond	4,360	3,420	5,540
Buckhead Creek	3,170	2,440	4,170
East Fork Minnow Creek Pond	2,660	2,470	2,860
Elijah Bristow Island Pond	2,450	1,750	3,410
Hospital Pond	2,340	2,160	2,530
Shady Dell Pond	1,980	1,750	2,230
Haws Enhancement Pond	1,950	1,780	2,140
Dexter Reservoir Alcove "DEX3"	1,460	970	2,180
Dougren Slough	1,080	970	1,210
Lost Creek Confluence Slough	710	560	890
Fall Creek Spillway Ponds	670	460	970
Dexter Reservoir Alcove "PIT1"	590	410	840
Haws Pond	440	270	720
Elijah Bristow Northeast Slough	410	330	500
Dexter Dam Slough	380	320	460
Hills Creek Pond	310	90	530
Hospital Impoundment Pond	303	300	305
Pengra Island Slough	230	190	270
Elijah Bristow Berry Slough	100	50	170
Jasper Railroad Bridge Slough	30	20	60
Hippo Slough	20	10	40
Brewer Slough	10	1	20

We estimated the abundance of Oregon Chub at 8 locations in the Mainstem Willamette River Recovery Area. There were 7 populations in the Mainstem Willamette Recovery Area with ≥500 Oregon Chub. We noted significant increases in Oregon Chub abundance at Big Island, Finley Beaver Pond, and McKenzie Oxbow.

We estimated the abundance of Oregon Chub at 24 locations in the Middle Fork Willamette River Recovery Area. There were 15 populations in the Middle Fork Willamette drainage with ≥500 Oregon Chub. We noted significant increases in Oregon Chub abundance at East Fork Minnow Creek Pond, Elijah Bristow Island Pond, Elijah Bristow South Slough, Haws Enhancement Pond, Hospital Pond, and Wicopee Pond. We noted significant declines in Oregon Chub abundance at Dexter Dam Slough, Dexter Reservoir Alcove "PIT1", Dexter Reservoir RV Alcove "DEX3", Dougren Slough, Elijah Bristow Northeast Slough, Fall Creek Spillway Ponds, Haws Pond, Pengra Island Slough, and Shady Dell Pond. We discovered two new naturally occurring Oregon Chub populations at Campers Cove and Indigo Slough in the Middle Fork Willamette River basin. We were unable to document Oregon Chub at TNC Island Pond.

DISCUSSION

Status of Naturally Occurring Populations

In 2017, we documented 21 naturally occurring populations of Oregon Chub with ≥500 individuals in the Willamette River basin; five of these populations in the Mainstem Willamette Recovery Area, five in the Santiam Recovery Area, and 12 in the Middle Fork Willamette Recovery Area. Additionally, 13 naturally occurring Oregon Chub populations, comprised of 500 or more individuals, have been previously documented across the range of Oregon Chub (Bangs and Meeuwig 2017), but were not included in our 2017 sampling effort. There are five unsampled populations in the Santiam Recovery Area and eight in the Mainstem Willamette Recovery Area. Despite finding Oregon Chub in a greater extent of their historic range, we have not found Oregon Chub populations in some areas where they were documented historically, such as downstream of Willamette Falls near the mouth of the Clackamas River, in mainstem Willamette River sloughs and backwaters, or in the Long Tom River and Calapooia River basins.

In recent years we have documented a number of newly discovered populations in habitats that have frequent hydrologic connectivity to adjacent rivers, and in 2017 we discovered Oregon Chub in two new hydrologically connected locations. In addition, we captured Oregon chub at four hydrologically connected locations where Oregon chub had been present in the past, but were not observed during our previous visit. However, we were unable to capture Oregon Chub in two hydrologically connected locations where they were present in 2016. Two-thirds (72 out of 109) of the locations containing Oregon Chub are hydrologically connected habitats.

Status of Introduced Populations and Habitat Restoration Projects

One of the key components to the successful recovery of the Oregon Chub was the implementation of a program to introduce Oregon Chub into suitable habitats within its historic range. Since 1988, 29 introductions have been attempted, and 23 new populations have been established (Table 4). In addition, several habitat restoration projects have been completed to increase the quantity of habitat or enhance the suitability of habitat for Oregon Chub.

In 2017, we documented eight introduced Oregon Chub populations with 500 or more individuals; three of these populations in the Mainstem Recovery Area, two in the Santiam Recovery Area, and three in the Middle Fork Willamette Recovery Area. We introduced Oregon Chub into Finley Field-22 Pond in the Mainstem Recovery Area. We reestablished the Oregon Chub population at Nagy (Williams-Murphy) Pond in the Mainstem Recovery area. We supplemented Sprick Pond in the Mainstem Willamette Recovery Area with an additional 41 Oregon Chub.

In 2016, we were unable to capture Oregon Chub at Nagy (Williams-Murphy) Pond. The floating aquatic fern water velvet (*Azolla* spp.), common but normally ephemeral in Willamette Basin ponds, formed a perennial colony rooted to and stabilized by a layer of floating organic detritus. The water velvet colony had persisted for at least two years, and no submergent aquatic vegetation was present in the pond. Although the mechanism is unknown, we speculated that water velvet may have caused the extirpation of the submergent aquatic vegetation and Oregon Chub population. From November 2017 through January 2017, the landowners removed the water velvet with a seine and tractor, and cleared smaller areas with hand tools. Water velvet did not recolonize the pond in 2017. Following the recolonization of the pond by submergent aquatic vegetation, we reestablished the Oregon Chub population through translocation of 36 fish from Finley-Buford Pond.

The structure that maintains water elevation at Finley Display Pond failed in winter 2017; USFWS William L. Finley National Wildlife Refuge managers and biologists made emergency repairs to prevent the complete drainage of the pond, but determined that the structure was unrepairable. We worked with refuge staff to translocate 13 Oregon Chub from Finley Display Pond to Finley Field-22 Pond, and supplemented the introduction with additional Oregon chub from Finley Beaver Pond (n=100) and Finley-Buford Pond (n=37).

Oregon Chub introduction guidelines for establishing new populations recommend that we transfer a minimum of 500 fish, but only remove a maximum of 10% from a donor population annually to minimize impacts to the donor population. When donor populations total <5,000 fish, it takes us multiple years to achieve this target. In addition, the guidelines also state that donor stocks should be from the same subbasin as the introduction location, whenever possible.

Table 4. Oregon Chub introduction and habitat restoration locations, donor populations, ownership of the locations, numbers of fish introduced, and year of first introduction. There were no Oregon Chub introductions between 1988 and 1996. Ownership codes: ACOE= U.S. Army Corps of Engineers, USFS= U.S. Forest Service, ODFW= Oregon Department of Fish and Wildlife, and USFWS= U.S. Fish and Wildlife Service.

, , , , , ,	attinent of Fish and Whalie, and Osi W			Number	Total
				moved in	number
Basin	Location	Ownership	Donor site (introduced populations)	2017	moved
Molalla River	Maguire Pond	private	Ellis Slough		500
			Labedz Slough		10
Luckiamute River	McCrae Reservoir	private	Jont Creek		51
Santiam River	Budeau North Pond	private	South Stayton Pond		310
	Budeau South Pond	private	South Stayton Pond		312
			Budeau North Pond		200
	Foster Pullout Pond	ACOE	Geren Island		500
	Menear's Bend	ACOE	Geren Island		41
	North Stayton Pond	ODFW	South Stayton Pond		620
	Rummel Pond	private	Santiam Conservation Easement		92
	South Stayton Pond	ODFW	Stayton Public Works Pond		73
			Geren Island		232
			Pioneer Park Slough		134
Mainstem Willamette	Ankeny Willow Marsh	USFWS	Dunn Wetland		500
			Jampolsky Wetlands ^a		1,525
	Dunn Wetland	private	Geren Island		200
			Elijah Bristow Berry Slough		300
			Shady Dell		73
	Fairchild Pond	private	Finley-Buford Pond		150
	Finley Beaver Pond ^b	USFWS			
	Finley-Buford Pond	private	Finley Gray Creek Swamp		150
	•		Finley Beaver Pond		10
	Finley Cheadle Pond	USFWS	Finley Gray Creek Swamp		470
	•		Finley Display Pond		50
	Finley Display Pond	USFWS	Finley Gray Creek Swamp		500
	Finley Field-22 Pond	USFWS	Finley Beaver Pond	100	100
	-		Finley-Buford Pond	37	37
			Finley Display Pond	13	13
	Jampolsky Wetlands	private	Dunn Wetland		500
	Nagy Pond	private	Finley-Buford Pond	37	69
		•	Finley Gray Creek Swamp		182

Table 4 (continued).

				Number moved in	Total number
Basin	Location	Ownership	Donor site (introduced populations)	2017	moved
	Schmedding Beaver Creek Swamp	private	Finley-Buford Pond		150
	St. Paul Ponds	ODFW	Big Island		195
McKenzie River	Ellison Pond	private	McKenzie Oxbow		110
	Russell Pond	private	Buckhead Creek		500
			St. Paul Ponds		53
	Shetzline North Pond	private	Shetzline Pond		60
Middle Fork Willamette River	East Ferrin Pond	USFS	East Fork Minnow Pond		576
	Fall Creek Spillway Ponds	ACOE	East Fork Minnow Pond		350
			Shady Dell		150
	Haws Enhancement Pond	private	Haws Pond		133
	Hills Creek Pond	ACOE	Dexter Alcove "PIT1"		507
			Dexter Reservoir RV Alcove "DEX3"		620
	Hospital Imound. Pond ^b	ACOE			
	Lower Buckhead Ponds ^b	USFS			
	West Ferrin Pond	USFS	Shady Dell Pond		525
	Wicopee Pond	USFS	Dexter Reservoir Alcove "PIT1"		50
			Salt Creek Diversion Canal		128
Coast Fork Willamette River	Herman Pond	USFS	Buckhead Creek		400
	Sprick Pond	private	Coast Fork Side Channels	41	178
			Lynx Hollow		3

^aWe removed Oregon Chub from Jampolsky Wetlands in 2007 at the landowner's request. These introductions originated from the same donor source.

^bThese sites are habitat enhancement projects where no Oregon Chub were introduced. Oregon Chub colonized these sites naturally.

Distribution of Nonnative Species

We confirmed the presence of nonnative fish species in 36 locations containing Oregon Chub in 2017. Nonnative fish were captured at 40% (8 of 20), 80% (8 of 10), and 47% (20 of 43) of the locations containing Oregon Chub in the Mainstem Willamette, Santiam, and Middle Fork Willamette recovery areas, respectively. Combined with data from previous years, nonnative fish are present in 34% (13 of 38), 72% (18 of 25) and 50% (23 of 46) of the locations containing Oregon Chub in the Mainstem Willamette, Santiam, and Middle Fork Willamette recovery areas, respectively. Across all recovery areas and combining data from previous years, nonnative fish are present in 50% (54 of 109) of known Oregon Chub habitats.

In 2015 we discovered that Green Sunfish Lepomis cyanellus colonized one Oregon Chub population in the Mainstem Willamette (Green Island) and two in the Middle Fork Willamette (Deep Muddy Slough and Dougren Slough). In 2016, we confirmed the presence of Green Sunfish at six locations in the Mainstem Willamette Recovery Area (Coast Fork Willamette Side Channel, Green Island, Lynx Hollow, McKenzie Oxbow, Springfield Oxbow, and Vickery Park Slough) and one location in the Middle Fork Willamette Recovery Area (Dougren Slough). In 2017, we discovered Green Sunfish in an Oregon Chub habitat in the Santiam Recovery Area (Geren Island North Channel) for the first time, and confirmed the presence of Green Sunfish at four locations in the Mainstem Willamette Recovery Area (Berggren Slough, Coast Fork Willamette Side Channels, Green Island, and McKenzie Oxbow) and one location in the Middle Fork Willamette (Green Grass Gravel Pit). We are concerned about the potential for Green Sunfish piscivory on Oregon Chub because Green Sunfish has a larger gape than Bluegill and Pumpkinseed (Scott and Crossman 1979) and have been documented consuming Gila Chub Gila intermedia similar in size to young-of-the-year Oregon Chub (Dudley and Matter 2000). Determining the impacts of Green Sunfish may take sustained monitoring over a period of years, because of the high interannual variability of Oregon Chub population abundance.

Impacts of the 2015 Drought

In 2015, the Oregon Cascade Mountains had the lowest peak snowpack recorded in 35 years, and by late summer the Willamette basin had received <50% normal precipitation (personal comm., John Risley USGS). A number of Oregon Chub populations connected or adjacent to unregulated tributaries or fed through springs had greatly reduced water depth (Bangs et al. 2013, 2015). The impact of the 2015 drought was greatest in the Mary's River basin, and we observed very low water elevation at the two naturally occurring populations in the basin, Finley Gray Creek Swamp and Finley Beaver Pond, in October of 2015. We observed significant declines in population abundance from 2013 to 2016 at Finley Gray Creek Swamp and Finley Beaver Pond, and from 2015 to 2016 at Finley Display Pond. However, the impact of the drought appeared lessened at Oregon Chub populations adjacent to or downstream form U.S. Army Corps of Engineers (USACE) reservoirs. In 2017, we observed a significant increase in Oregon chub abundance at Finley Beaver Pond, and abundance in 2017 was similar to abundance estimates obtained before the drought. However, the Oregon Chub abundance at Finley Gray Creek Swamp remained low compared to estimates obtained before the drought;

the estimated abundance of co-occurring native fish species was similar to estimates obtained before the drought.

Other Research and Monitoring

In addition to the monitoring outlined above, ODFW has carried out research and monitoring of Oregon Chub funded by the USACE. A brief summary of these activities is included below.

Floodplain Study

In 2009, we initiated a floodplain monitoring study to assess factors that may allow Oregon Chub to co-exist with nonnative fishes in connected (non-isolated) habitats (Bangs et al. 2010; 2011; 2014b). During this multi-year study, we have been assessing the effects of flow and temperature regimes on the suitability of off-channel habitats for Oregon Chub (availability of aquatic vegetation and temperatures conducive for successful spawning) and effects of the timing, frequency, magnitude, and duration of connectivity on the composition of fish assemblages (native and nonnative) (Bangs et al. 2011b). We will use these data to assess the impacts of proposed floodplain restoration and reconnection projects on Oregon Chub populations and their habitats. We are working to determine the combination of flows, temperatures, connectivity, and habitat modifications that will favor native fishes, including Oregon Chub, over nonnative predatory and competitor fishes. Ideally, these data, when used by managers to enhance off-channel habitat conditions for Oregon Chub, will contribute to the long-term conservation of the species by minimizing the inherent residual threat posed by nonnative fishes in these habitats.

Oregon Chub Population Trends

The status of Oregon Chub has improved remarkably since we began our studies in 1991 (Figure 2). The rate of discovery of previously undocumented populations and establishing new populations via introductions has remained relatively consistent over the past decade, coinciding with the initialization of studies funded by USACE and completion of the Programmatic Safe Harbor Agreement for the Oregon Chub. Since the species was delisted in 2015, 22 new populations have been discovered or established, representing 20% of the total populations of Oregon Chub.

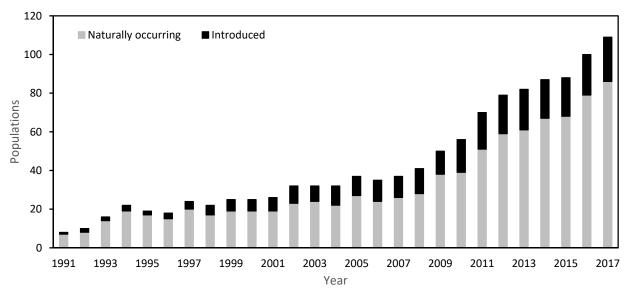


Figure 2. Number of known Oregon Chub populations, 1991-2017. Grey portions of the stacked bar graph represent the number of naturally occurring Oregon Chub populations. Black portions of the stacked bar graph represent the number of introduced Oregon Chub populations.

Status of Oregon Chub Relative to PDM Criteria

The PDM identifies triggers to increase monitoring and track the status of Oregon Chub based on population abundance and distribution, the distribution of nonnative species, and habitat status. In addition, the PDM identifies criteria to determine the conclusion of post-delisting monitoring when Oregon Chub monitoring is no longer necessary. There are currently 39 Oregon Chub populations with ≥500 individuals; 12 of these populations were in the Santiam Recovery Area, 12 in the Mainstem Willamette Recovery Area, and 15 in the Middle Fork Willamette Recovery Area. Nonnative fish are present in 50% of the habitats containing Oregon Chub. While we found a new nonnative predatory fish invading Oregon Chub habitats (i.e., Green Sunfish), its current distribution is limited to 4% of the Santiam Recovery Area, 13% of the Mainstem Willamette Recovery Area and 2% of the Middle Fork Willamette Recovery Area. There are currently 70 habitats that contain Oregon Chub and that are frequently connect to adjacent rivers. There have been no additional complete reservoir drawdowns or 50-year flood events, which are identified as triggers for additional monitoring by the PDM. Oregon Chub are currently exceeding the PDM fulfillment criteria and remain secure without the protection of the ESA.

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REFERENCES

- Bangs, B. L., P. D. Scheerer, and S.E. Jacobs. 2010. Effects of U.S. Army Corps of Engineers Willamette operations on Oregon chub and other floodplain fishes. Oregon Department of Fish and Wildlife Progress Report, Corvallis, OR.
- Bangs, B. L., P. D. Scheerer, S.A. Miller. 2011. Effects of U.S. Army Corps of Engineers Willamette Project operations on Oregon chub and other floodplain fishes (2009-2010). Oregon Department of Fish and Wildlife. Annual Progress Report, Corvallis.
- Bangs, B. L., P. D. Scheerer, S. Clements. 2013. 2013 Oregon chub investigations. Oregon Department of Fish and Wildlife. Fish Research Project EF-13, Annual Progress Report, Corvallis.
- Bangs, B. L., P. D. Scheerer, S. Clements. 2014a. 2014 Oregon chub investigations. Oregon Department of Fish and Wildlife. Fish Research Project EF-14, Annual Progress Report, Corvallis.
- Bangs, B. L., P. D. Scheerer, S. Clements. 2014b. Effects of U.S. Army Corps of Engineers Willamette Project project operations on Oregon chub and other floodplain fishes (2009-2012). Oregon Department of Fish and Wildlife. Annual Progress Report, Corvallis.
- Bangs, B. L., W.T. Neal, S. Clements. 2015. 2015 Oregon chub investigations. Oregon
 Department of Fish and Wildlife. Fish Research Project EF-15, Annual Progress Report,
 Corvallis.
- Bangs, B. L., and M. H. Meeuwig. 2017. 2016 Oregon chub investigations. Oregon Department of Fish and Wildlife. Fish Research Project EF-16, Annual Progress Report, Corvallis.
- Federal Register. 2010. Endangered and threatened wildlife and plants; reclassification of the Oregon chub From endangered to threatened; Final Rule. 75:21,179-21,189.
- Federal Register. 2015. Endangered and Threatened Wildlife and Plants; Removing the Oregon Chub from the List of Endangered and Threatened Wildlife. 80:9,125-9150.
- DeHaan, P. W., B. Adams, B. L. Bangs, and P. D. Scheerer. 2015. Connectivity and Gene Flow among Oregon Chub Populations In the Middle Fork Willamette River. Report submitted to the US Fish and Wildlife Service, Portland, OR.
- Dudley, R. K., and W. J. Matter. 2000. Effects of Small Green Sunfish (*Lepomis cyanellus*) on Recruitment of Gila Chub (*Gila intermedia*) in Sabino Creek, Arizona. The Southwestern Naturalist 45:24-29.

- Markle, D. F., and T. N. Pearsons. 1990. Petition to list the Oregon chub, *Oregonichthys crameri*, as an endangered species. Manuscript. Oregon State University, Corvallis.
- Markle, D. F., T. N. Pearsons, and D. T. Bills. 1991. Natural history of *Oregonichthys* (Pisces: Cyprinidae), with a description of a new species from the Umpqua River of Oregon. Copeia 1991(2):277-293.
- Rhew, R. 1993. Endangered and threatened wildlife and plants; determination of endangered status for the Oregon chub. Federal Register 58: 53800-53804.
- Ricker, W. E. 1975. Computation and interpretation of biological statistics of fish populations. Fisheries Research Board of Canada, Bulletin 191, Ottawa, Ontario.
- Scheerer, P. D., and P. J. McDonald. 2003. Age, growth, and timing of spawning of an endangered minnow, the Oregon chub (*Oregonichthys crameri*), in the Willamette basin, Oregon. Northwest Naturalist 84:68-79.
- Scheerer, P. D., P.S. Kavanagh, B. Bangs, and S. E. Jacobs. 2007. Oregon chub investigations.

 Oregon Department of Fish and Wildlife, Fish Research Project EF-07, Annual Progress Report, Salem.
- Scott, W. B., and E. J. Crossman. 1979. Freshwater fishes of Canada. Fisheries Research Board of Canada Bulletin 184. Ottawa. 966p.
- Seber, G. A. F., and E.D. Le Cren. 1967. Estimating population parameters from catches large relative to the population. Journal of Animal Ecology 36:631-643.
- Snyder, J. O. 1908. The fishes of the coastal streams of Oregon and northern California. Bulletin of the U.S. Bureau of Fisheries 27:153-189.
- U.S. Fish and Wildlife Service. 2014. Post-delisting Monitoring Plan for the Oregon chub (*Oregonichthys crameri*). Portland, Oregon. 43 p.
- U.S. Fish and Wildlife Service (Brown, C., R. Rhew, A. Bentivoglio, and P. D. Scheerer). 1998. Oregon Chub (*Oregonichthys crameri*) Recovery Plan. Portland, Oregon. 69+ p.

APPENDIX A

Fish species and habitat characteristics at 2017 Oregon Chub survey locations

Locations are sorted by subbasin then listed alphabetically by location name.

Vegetation types are expressed as a percentage of the total surface area of the locations. The sum of all vegetation types cannot exceed 100 percent.

² Salmonid codes: CO= Coho Salmon *Oncorhynchus kisutch*; CH= Chinook Salmon *O. tshawytscha*; CT= Cutthroat Trout *O. clarki*; RB= Rainbow Trout *O. mykiss*, ST= steelhead *O. mykiss*, TF= unknown trout fry.

Basin COAST FO Subbasin	ORK WILLAMETTE SIDE CHN ORK WILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	CF110 7/25/2017 498757	4857903
Surface Area (m2)	1344	Types of aquatic veget	ation ¹	
Average Depth (m)	0.25	Submergent		40
Maximum Depth (m)	1.5	Emergent		20
		Floating		5
Water Temperature (C)	24	Algae		10
Percent Silt / Organics	20	Total		75
Native Fish Species Col	llected:	Non-native Fish Specie	s Collected:	
Oregon Chub	410	Western Mosquitofis	h	1000
Cottids	170	Bullheads		
Speckled Dace	470	Common Carp		
Redside Shiners	54	Bluegills		2
Northern Pikeminnows	600	Largemouth Bass		
Largescale Suckers	90	Pumpkinseeds		
Sand Rollers	30	Crappies		
Threespine Stickleback	ks 19	Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey				
Chiselmouth		Othors		VD=6 ON- 4
NOTE: POP EST, CHU	JB THROUGHOUT, NN CRAWDAD	Other:		YP=6,GN=1
	, -			
·				
Site Name CRESWEL	L OAKS CAMAS SWALE	Map Code	COAKS7	
Site Name CRESWEL Basin COAST FC	ORK WILLAMETTE RIVER	Sampling Date	6/1/2017	
Site Name CRESWEL Basin COAST FO	ORK WILLAMETTE RIVER			4863546
Site Name CRESWEL Basin COAST FC	ORK WILLAMETTE RIVER	Sampling Date	6/1/2017 494128	4863546
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SV	ORK WILLAMETTE RIVER WALE	Sampling Date Location: Zone 10T	6/1/2017 494128	4863546
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SV Surface Area (m2) Average Depth (m)	ORK WILLAMETTE RIVER WALE 800	Sampling Date Location: Zone 10T Types of aquatic veget	6/1/2017 494128	
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SV Surface Area (m2) Average Depth (m) Maximum Depth (m)	ORK WILLAMETTE RIVER WALE 800 0.1 1.2	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent	6/1/2017 494128	10
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	800 0.1 1.2 16.1	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent	6/1/2017 494128	10 20
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	ORK WILLAMETTE RIVER WALE 800 0.1 1.2	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating	6/1/2017 494128	10 20 0
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SV Surface Area (m2) Average Depth (m)	800 0.1 1.2 16.1 40	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating Algae	6/1/2017 494128 ation ¹	10 20 0 0 30
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	800 0.1 1.2 16.1 40	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating Algae Total	6/1/2017 494128 ation ¹	10 20 0 0 30
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SI Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col	800 0.1 1.2 16.1 40	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating Algae Total Non-native Fish Specie	6/1/2017 494128 ation ¹	10 20 0 0 30
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SI Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub	800 0.1 1.2 16.1 40	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	6/1/2017 494128 ation ¹	10 20 0 0 30
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SI Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids	800 0.1 1.2 16.1 40	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	6/1/2017 494128 ation ¹	10 20 0 0 30
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace	800 0.1 1.2 16.1 40	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	6/1/2017 494128 ation ¹	10 20 0 0 30
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace Redside Shiners	800 0.1 1.2 16.1 40	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	6/1/2017 494128 ation ¹	10 20 0 0 30
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	800 0.1 1.2 16.1 40	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	6/1/2017 494128 ation ¹	10 20 0 0 30
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	800 0.1 1.2 16.1 40 Secretarian	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	6/1/2017 494128 ation ¹	10 20 0 0 30
Site Name CRESWEL Basin COAST FO Subbasin CAMAS SI Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	800 0.1 1.2 16.1 40 Secretarian	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	6/1/2017 494128 ation ¹	10 20 0 0 30
Site Name Basin COAST FO Subbasin CAMAS SI Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacl	800 0.1 1.2 16.1 40 Secretarian	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/1/2017 494128 ation ¹	10 20 0 0 30
Site Name Basin COAST FO Subbasin CAMAS SI Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Stickleback Salmonids 2	800 0.1 1.2 16.1 40 Secretarian	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/1/2017 494128 ation ¹	10 20 0 0 30

Basin	COAST FORK WILL	CAMAS SWALE TRIB AMETTE RIVER	Map Code Sampling Date	COAKS5 6/1/2017	
Subbasin	CAMAS SWALE		Location: Zone 10T	493916	4864254
Surface Area	a (m2)	450	Types of aquatic veget	ation ¹	
Average De	pth (m)	0.3	Submergent		30
Maximum D		1	Emergent		40
		•	Floating		0
Water Temp		17.3	Algae		0
Percent Silt	/ Organics	20	Total		70
Native Fish	Species Collected:		Non-native Fish Specie	s Collected	:
Oregon C	hub	0	Western Mosquitofis	h	
Cottids			Bullheads		
Speckled	Dace		Common Carp		
Redside S	Shiners		Bluegills		
	Pikeminnows	20	Largemouth Bass		
Largescal	e Suckers		Pumpkinseeds		
Sand Roll	lers		Crappies		
	ne Sticklebacks		Smallmouth Bass		
Salmonid	S ²		Banded Killifish		
Lamprey					
Chiselmo	uth		Others		
Chiseimo	dui				
	50 UP FROM MOUTH (CAMAS SWALE	Other:		
NOTE: 75	50 UP FROM MOUTH (
NOTE: 75	CRESWELL OAKS	CAMAS SWALE TRIB	Map Code	COAKS1	
NOTE: 75 Site Name Basin	CRESWELL OAKS COAST FORK WILL	CAMAS SWALE TRIB	Map Code Sampling Date	6/1/2017	
NOTE: 75 Site Name Basin	CRESWELL OAKS	CAMAS SWALE TRIB	Map Code		4866568
NOTE: 75 Site Name Basin Subbasin	CRESWELL OAKS COAST FORK WILL CAMAS SWALE	CAMAS SWALE TRIB	Map Code Sampling Date	6/1/2017 492826	4866568
NOTE: 75	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE	CAMAS SWALE TRIB AMETTE RIVER	Map Code Sampling Date Location: Zone 10T	6/1/2017 492826	4866568 5
NOTE: 75 Site Name Basin Subbasin Surface Area	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE a (m2) pth (m)	CAMAS SWALE TRIB AMETTE RIVER 200	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	6/1/2017 492826	
NOTE: 75 Site Name Basin Subbasin Surface Area Average De	CRESWELL OAKS COAST FORK WILL CAMAS SWALE a (m2) pth (m) epth (m)	200 0.2 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	6/1/2017 492826	5 10 0
NOTE: 75 Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE at (m2) pth (m) epth (m) perature (C)	200 0.2 0.5 13.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	6/1/2017 492826	5 10 0 5
NOTE: 75 Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE at (m2) pth (m) epth (m) perature (C)	200 0.2 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	6/1/2017 492826	5 10 0
NOTE: 75 Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE at (m2) pth (m) epth (m) perature (C)	200 0.2 0.5 13.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	6/1/2017 492826 ation ¹	5 10 0 5 20
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE) a (m2) pth (m) perth (m) perature (C) / Organics Species Collected:	200 0.2 0.5 13.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	6/1/2017 492826 ation ¹	5 10 0 5 20
Site Name Basin Subbasin Surface Area Average Del Maximum D Water Temp Percent Silt Native Fish	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE) a (m2) pth (m) perth (m) perature (C) / Organics Species Collected:	200 0.2 0.5 13.3 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	6/1/2017 492826 ation ¹	5 10 0 5 20
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C	CRESWELL OAKS COAST FORK WILL CAMAS SWALE a (m2) pth (m) eepth (m) erature (C) / Organics Species Collected:	200 0.2 0.5 13.3 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	6/1/2017 492826 ation ¹	5 10 0 5 20
Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids	CRESWELL OAKS COAST FORK WILL CAMAS SWALE a (m2) pth (m) eepth (m) erature (C) / Organics Species Collected:	200 0.2 0.5 13.3 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	6/1/2017 492826 ation ¹	5 10 0 5 20
Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	CRESWELL OAKS COAST FORK WILL CAMAS SWALE a (m2) pth (m) eepth (m) erature (C) / Organics Species Collected:	200 0.2 0.5 13.3 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	6/1/2017 492826 ation ¹	5 10 0 5 20
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	CRESWELL OAKS COAST FORK WILL CAMAS SWALE a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners	200 0.2 0.5 13.3 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	6/1/2017 492826 ation ¹	5 10 0 5 20
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon Cottids Speckled Redside S Northern	CRESWELL OAKS (COAST FORK WILL) CAMAS SWALE a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: chub Dace Shiners Pikeminnows le Suckers	200 0.2 0.5 13.3 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	6/1/2017 492826 ation ¹	5 10 0 5 20
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	CRESWELL OAKS (COAST FORK WILL) CAMAS SWALE a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: chub Dace Shiners Pikeminnows le Suckers	200 0.2 0.5 13.3 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	6/1/2017 492826 ation ¹	5 10 0 5 20
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE) a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: chub Dace Shiners Pikeminnows le Suckers lers le Sticklebacks	200 0.2 0.5 13.3 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	6/1/2017 492826 ation ¹	5 10 0 5 20
Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE) a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: chub Dace Shiners Pikeminnows le Suckers lers le Sticklebacks	200 0.2 0.5 13.3 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/1/2017 492826 ation ¹	5 10 0 5 20
Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir Salmonids	CRESWELL OAKS COAST FORK WILL CAMAS SWALE a (m2) pth (m) eepth (m) eerature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows te Suckers ters the Sticklebacks to 2 RT/ST	200 0.2 0.5 13.3 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/1/2017 492826 ation ¹	5 10 0 5 20

Site Name Basin	COAST FORK WILL	CAMAS SWALE TRIB AMETTE RIVER	Map Code Sampling Date	COAKS2 6/1/2017	
Subbasin	CAMAS SWALE		Location: Zone 10T	493175	4866450
Surface Area	a (m2)	500	Types of aquatic veget	ation ¹	
Average Dep	oth (m)	0.2	Submergent		40
Maximum De		0.5	Emergent		50
			Floating		0
Water Temp		15	Algae		0
Percent Silt /	/ Organics	15	Total		90
Native Fish	Species Collected:		Non-native Fish Specie	s Collected	:
Oregon Cl	hub	0	Western Mosquitofis	h	
Cottids			Bullheads		
Speckled			Common Carp		
Redside S	Shiners		Bluegills		
	Pikeminnows		Largemouth Bass		
Largescal			Pumpkinseeds		
Sand Roll			Crappies		
	e Sticklebacks		Smallmouth Bass		
Salmonide	s ² RT/ST	2	Banded Killifish		
Lamprey					
Object of the same	ıth				
Chiselmou	aut		Other:		
	ERIES OF POOLS CRE	EATED BY HAB LOGS	Other:		
NOTE: SE	ERIES OF POOLS CRE				
NOTE: SE	ERIES OF POOLS CRE	CAMAS SWALE TRIB	Map Code	COAKS4	
NOTE: SE Site Name Basin	CRESWELL OAKS (CAMAS SWALE TRIB	Map Code Sampling Date	6/1/2017	
NOTE: SE Site Name Basin	ERIES OF POOLS CRE	CAMAS SWALE TRIB	Map Code		4866419
NOTE: SE Site Name Basin Subbasin	CRESWELL OAKS (COAST FORK WILL/ CAMAS SWALE	CAMAS SWALE TRIB	Map Code Sampling Date	6/1/2017 493225	
NOTE: SE	CRESWELL OAKS (COAST FORK WILLA CAMAS SWALE	CAMAS SWALE TRIB AMETTE RIVER	Map Code Sampling Date Location: Zone 10T	6/1/2017 493225	
NOTE: SE Site Name Basin Subbasin Surface Area	CRESWELL OAKS (COAST FORK WILLA CAMAS SWALE a (m2) oth (m)	CAMAS SWALE TRIB AMETTE RIVER 300	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	6/1/2017 493225	4866419
NOTE: SE Site Name Basin Subbasin Surface Area Average Dep Maximum De	CRESWELL OAKS (COAST FORK WILL) CAMAS SWALE a (m2) oth (m) epth (m)	CAMAS SWALE TRIB AMETTE RIVER 300 0.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	6/1/2017 493225	4866419 10 20 0
NOTE: SE Site Name Basin Subbasin Surface Area Average Dep Maximum De	CRESWELL OAKS (COAST FORK WILLA CAMAS SWALE a (m2) oth (m) epth (m) erature (C)	CAMAS SWALE TRIB AMETTE RIVER 300 0.3 0.8 16.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	6/1/2017 493225	4866419 10 20 0
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo	CRESWELL OAKS (COAST FORK WILL/ CAMAS SWALE a (m2) oth (m) epth (m) erature (C) / Organics	CAMAS SWALE TRIB AMETTE RIVER 300 0.3 0.8	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	6/1/2017 493225 ation ¹	10 20 0 0 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt /	CRESWELL OAKS (COAST FORK WILLA CAMAS SWALE) oth (m) epth (m) erature (C) / Organics Species Collected:	300 0.3 0.8 16.5 20	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	6/1/2017 493225 ation ¹	10 20 0 0 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl	CRESWELL OAKS (COAST FORK WILLA CAMAS SWALE) oth (m) epth (m) erature (C) / Organics Species Collected:	CAMAS SWALE TRIB AMETTE RIVER 300 0.3 0.8 16.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	6/1/2017 493225 ation ¹	10 20 0 0 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids	CRESWELL OAKS (COAST FORK WILL/CAMAS SWALE) a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	300 0.3 0.8 16.5 20	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	6/1/2017 493225 ation ¹	10 20 0 0 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids Speckled	CRESWELL OAKS (COAST FORK WILL) CAMAS SWALE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	300 0.3 0.8 16.5 20 0	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	6/1/2017 493225 ation ¹	10 20 0 0 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S	CRESWELL OAKS (COAST FORK WILL/CAMAS SWALE) a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners	300 0.3 0.8 16.5 20	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	6/1/2017 493225 ation ¹	10 20 0 0 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern	CRESWELL OAKS (COAST FORK WILLA CAMAS SWALE) a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows	300 0.3 0.8 16.5 20 0	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	6/1/2017 493225 ation ¹	10 20 0 0 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale	CRESWELL OAKS (COAST FORK WILLA CAMAS SWALE) a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	300 0.3 0.8 16.5 20 0	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	6/1/2017 493225 ation ¹	10 20 0 0 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle	CRESWELL OAKS (COAST FORK WILL/CAMAS SWALE) a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers	300 0.3 0.8 16.5 20 0	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	6/1/2017 493225 ation ¹	10 20 0 0 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	CRESWELL OAKS (COAST FORK WILL/CAMAS SWALE) a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	300 0.3 0.8 16.5 20 0	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/1/2017 493225 ation ¹	10 20 0 0 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle	CRESWELL OAKS (COAST FORK WILL/CAMAS SWALE) a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	300 0.3 0.8 16.5 20 0	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	6/1/2017 493225 ation ¹	10 20 0 0 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin Salmonids Lamprey	CRESWELL OAKS (COAST FORK WILL/CAMAS SWALE) a (m2) bth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks s 2	300 0.3 0.8 16.5 20 0	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/1/2017 493225 ation ¹	10 20 0 0 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	CRESWELL OAKS (COAST FORK WILL/CAMAS SWALE) a (m2) bth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks s 2	300 0.3 0.8 16.5 20 0	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/1/2017 493225 ation ¹	10 20 0 0 30

Site Name Basin Subbasin	CRESWELL OAKS COAST FORK WILL CAMAS SWALE	CAMAS SWALE TRIB AMETTE RIVER	Map Code Sampling Date Location: Zone 10T	COAKS6 6/1/2017 494100	4863623
Surface Area	a (m2)	600	Types of aquatic veget	ation ¹	
Average De	pth (m)	0.4	Submergent		50
Maximum D		1	Emergent		30
		•	Floating		0
Water Temp		17.2	Algae		0
Percent Silt	/ Organics	90	Total		80
Native Fish	Species Collected:		Non-native Fish Specie	es Collected	:
Oregon C	hub	0	Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled	Dace		Common Carp		
Redside S	Shiners		Bluegills		
Northern	Pikeminnows		Largemouth Bass		
Largescal	e Suckers		Pumpkinseeds		
Sand Roll	lers		Crappies		
Threespir	ne Sticklebacks		Smallmouth Bass		
Salmonid	S ²		Banded Killifish		
Lamprey					
Lampley					
Chiselmo	uth		Other:		GREEN=26
Chiselmo	uth EAR MOUTH, SMALL ⁻	TRIB ENTERS	Other:		GREEN=26
Chiselmo	EAR MOUTH, SMALL				
Chiselmon NOTE: NI Site Name	EAR MOUTH, SMALL	CAMAS SWALE TRIB	Map Code	COAKS3	
Chiselmon NOTE: NI Site Name Basin	CRESWELL OAKS O	CAMAS SWALE TRIB	Map Code Sampling Date	6/1/2017	
Chiselmon NOTE: NI Site Name Basin	EAR MOUTH, SMALL	CAMAS SWALE TRIB	Map Code		
Chiselmon NOTE: NI Site Name Basin Subbasin	EAR MOUTH, SMALL CRESWELL OAKS (COAST FORK WILL) CAMAS SWALE	CAMAS SWALE TRIB	Map Code Sampling Date	6/1/2017 493224	
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE	CAMAS SWALE TRIB AMETTE RIVER	Map Code Sampling Date Location: Zone 10T	6/1/2017 493224	
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE a (m2) pth (m)	CAMAS SWALE TRIB AMETTE RIVER 200	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	6/1/2017 493224	4866440
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average De	CRESWELL OAKS COAST FORK WILL CAMAS SWALE a (m2) pth (m) epth (m)	CAMAS SWALE TRIB AMETTE RIVER 200 0.3 0.6	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	6/1/2017 493224	4866440 10 40 0
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE a (m2) pth (m) epth (m) perature (C)	200 0.3 0.6 17.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	6/1/2017 493224	4866440 10 40 0 0
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE a (m2) pth (m) epth (m) perature (C)	CAMAS SWALE TRIB AMETTE RIVER 200 0.3 0.6	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	6/1/2017 493224	4866440 10 40 0
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE a (m2) pth (m) epth (m) perature (C)	200 0.3 0.6 17.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	6/1/2017 493224 ation ¹	4866440 10 40 0 0 50
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	CRESWELL OAKS COAST FORK WILL CAMAS SWALE a (m2) pth (m) perth (m) perature (C) / Organics Species Collected:	200 0.3 0.6 17.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	6/1/2017 493224 ation ¹	4866440 10 40 0 0 50
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average Del Maximum Di Water Temp Percent Silt Native Fish	CRESWELL OAKS COAST FORK WILL CAMAS SWALE a (m2) pth (m) perth (m) perature (C) / Organics Species Collected:	200 0.3 0.6 17.3 40	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	6/1/2017 493224 ation ¹	4866440 10 40 0 0 50
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled	CRESWELL OAKS COAST FORK WILL CAMAS SWALE a (m2) pth (m) eepth (m) erature (C) / Organics Species Collected:	200 0.3 0.6 17.3 40	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	6/1/2017 493224 ation ¹	4866440 10 40 0 0 50
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids	CRESWELL OAKS COAST FORK WILL CAMAS SWALE a (m2) pth (m) eepth (m) erature (C) / Organics Species Collected:	200 0.3 0.6 17.3 40	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	6/1/2017 493224 ation ¹	4866440 10 40 0 0 50
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon Cottids Speckled Redside S Northern	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE) a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows	200 0.3 0.6 17.3 40	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	6/1/2017 493224 ation ¹	4866440 10 40 0 0 50
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average Del Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal	CRESWELL OAKS (COAST FORK WILL) CAMAS SWALE a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers	200 0.3 0.6 17.3 40	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	6/1/2017 493224 ation ¹	4866440 10 40 0 0 50
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon Cottids Speckled Redside Selection	CRESWELL OAKS (COAST FORK WILL) CAMAS SWALE a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers	200 0.3 0.6 17.3 40	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	6/1/2017 493224 ation ¹	4866440 10 40 0 0 50
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average De Maximum Do Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE) a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers le Sticklebacks	200 0.3 0.6 17.3 40	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	6/1/2017 493224 ation ¹	4866440 10 40 0 0 50
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average De Maximum Do Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE) a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers le Sticklebacks	200 0.3 0.6 17.3 40	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	6/1/2017 493224 ation ¹	4866440 10 40 0 0 50
Chiselmon NOTE: NI Site Name Basin Subbasin Surface Area Average De Maximum Do Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir	CRESWELL OAKS (COAST FORK WILL CAMAS SWALE) a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers le Sticklebacks	200 0.3 0.6 17.3 40	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/1/2017 493224 ation ¹	4866440 10 40 0 0 50

Basin Subbasin	HERMAN POND COAST FORK WILL ROW RIVER	AMETTE RIVER	Map Code Sampling Date Location: Zone 10T	LAYNG1O 7/17/2017 525308 4842011
Surface Area	(m2)	800	Types of aquatic veget	ation ¹
Average Dept	th (m)	0.75	Submergent	20
Maximum De	pth (m)	1.5	Emergent	70
Water Tempe		14	Floating	10
			Algae	0
Percent Silt /	Organics	100	Total	100
Native Fish S	Species Collected:		Non-native Fish Specie	es Collected:
Oregon Ch	iub	1	Western Mosquitofis	sh
Cottids			Bullheads	
Speckled D	Dace		Common Carp	
Redside Sh	hiners		Bluegills	
Northern F	Pikeminnows		Largemouth Bass	
Largescale	Suckers		Pumpkinseeds	
Sand Rolle	ers		Crappies	
Threespine	e Sticklebacks		Smallmouth Bass	
Salmonids	2		Banded Killifish	
Lamprey				
Chiselmout	th		Otherm	
NOTE: US	FS PROPERTY, P/A		Other:	
NOIE. US	F3 FROFERTT, F/A			
	LYNX HOLLOW		Map Code	LYNX1N
Site Name	LYNX HOLLOW COAST FORK WILL	AMETTE RIVER	Map Code Sampling Date	LYNX1N 7/25/2017
Site Name Basin		AMETTE RIVER	•	
Site Name Basin Subbasin	COAST FORK WILL	AMETTE RIVER 4780	Sampling Date	7/25/2017 497993 4856243
Site Name Basin Subbasin Surface Area	COAST FORK WILL.		Sampling Date Location: Zone 10T	7/25/2017 497993 4856243
Site Name Basin Subbasin Surface Area Average Dept	(m2) th (m)	4780	Sampling Date Location: Zone 10T Types of aquatic veget	7/25/2017 497993 4856243 ation ¹
Site Name Basin Subbasin Surface Area Average Dept	(m2) th (m) pth (m)	4780 0.15 0.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/25/2017 497993 4856243 ation ¹
Site Name Basin Subbasin Surface Area Average Dept Maximum Dept Water Tempe	(m2) th (m) pth (m) erature (C)	4780 0.15 0.5 21	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	7/25/2017 497993 4856243 ation ¹ 60 10
Site Name Basin Subbasin Surface Area Average Dept Maximum Dept Water Tempe	(m2) th (m) pth (m) erature (C)	4780 0.15 0.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/25/2017 497993 4856243 ation ¹ 60 10 1
Site Name Basin Subbasin Surface Area Average Dept Maximum Dept Water Tempe Percent Silt /	(m2) th (m) pth (m) erature (C)	4780 0.15 0.5 21	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	7/25/2017 497993 4856243 ation ¹ 60 10 1 10 81
Site Name Basin Subbasin Surface Area Average Dept Maximum Dept Water Tempe Percent Silt /	(m2) th (m) pth (m) erature (C) Organics Species Collected:	4780 0.15 0.5 21	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	7/25/2017 497993 4856243 ation ¹ 60 10 1 10 81 es Collected:
Site Name Basin Subbasin Surface Area Average Dept Maximum De Water Tempe Percent Silt /	(m2) th (m) pth (m) erature (C) Organics Species Collected:	4780 0.15 0.5 21 80	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/25/2017 497993 4856243 ation ¹ 60 10 1 10 81 es Collected:
Site Name Basin Subbasin Surface Area Average Dept Maximum De Water Tempe Percent Silt / Native Fish S Oregon Ch	(m2) th (m) pth (m) erature (C) Organics Species Collected:	4780 0.15 0.5 21 80	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	7/25/2017 497993 4856243 ation ¹ 60 10 1 10 81 es Collected:
Site Name Basin Subbasin Surface Area Average Dept Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids	(m2) th (m) pth (m) erature (C) Organics Species Collected:	4780 0.15 0.5 21 80 5 6	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	7/25/2017 497993 4856243 ation ¹ 60 10 1 10 81 es Collected:
Site Name Basin Subbasin Surface Area Average Dept Maximum Dept Water Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled E Redside St	(m2) th (m) pth (m) erature (C) Organics Species Collected:	4780 0.15 0.5 21 80 5 6 42	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	7/25/2017 497993 4856243 ation ¹ 60 10 1 10 81
Site Name Basin Subbasin Surface Area Average Dept Maximum Dept Water Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled E Redside St	(m2) th (m) pth (m) prature (C) Organics Species Collected: nub Dace hiners Pikeminnows	4780 0.15 0.5 21 80 5 6 42	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	7/25/2017 497993 4856243 ation ¹ 60 10 1 10 81 es Collected:
Site Name Basin Subbasin Surface Area Average Dept Maximum Dept Water Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled E Redside St Northern F	(m2) th (m) pth (m) prature (C) Organics Species Collected: hub Dace hiners Pikeminnows	4780 0.15 0.5 21 80 5 6 42	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	7/25/2017 497993 4856243 ation ¹ 60 10 1 10 81
Site Name Basin Subbasin Surface Area Average Dept Maximum Dept Water Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled E Redside St Northern F Largescale Sand Rolle	(m2) th (m) pth (m) prature (C) Organics Species Collected: hub Dace hiners Pikeminnows	4780 0.15 0.5 21 80 5 6 42 14	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/25/2017 497993 4856243 ation ¹ 60 10 1 10 81 es Collected:
Site Name Basin Subbasin Surface Area Average Dept Maximum Dept Water Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled E Redside St Northern F Largescale Sand Rolle	(m2) th (m) pth (m) prature (C) Organics Species Collected: pub Dace hiners Pikeminnows e Suckers ers e Sticklebacks	4780 0.15 0.5 21 80 5 6 42 14 8	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/25/2017 497993 4856243 ation ¹ 60 10 1 10 81 es Collected:
Site Name Basin Subbasin Surface Area Average Dept Maximum De Water Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled D Redside St Northern F Largescale Sand Rolle Threespine	(m2) th (m) pth (m) prature (C) Organics Species Collected: pub Dace hiners Pikeminnows e Suckers ers e Sticklebacks	4780 0.15 0.5 21 80 5 6 42 14 8	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/25/2017 497993 4856243 ation ¹ 60 10 1 10 81 es Collected:
Site Name Basin Subbasin Surface Area Average Dept Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside St Northern F Largescale Sand Rolle Threespine Salmonids	(m2) th (m) pth (m) prature (C) Organics Species Collected: hub Dace hiners Pikeminnows Suckers ers e Sticklebacks	4780 0.15 0.5 21 80 5 6 42 14 8	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/25/2017 497993 4856243 ation ¹ 60 10 1 10 81 es Collected:

Site Name	SPRICK POND	LAMETTE DIVER	Map Code	SPRICK1J
Basin		LLAMETTE RIVER	Sampling Date	7/25/2017
Subbasin	CAMAS SWALE		Location: Zone 10T	492446 4866656
Surface Are	a (m2)	1020	Types of aquatic veget	tation ¹
Average De	pth (m)	1	Submergent	75
Maximum D	epth (m)	3	Emergent	15
Water Temp	perature (C)	21	Floating	0
		100	Algae	0
Percent Silt	/ Organics	100	Total	90
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:
Oregon C	Chub	41	Western Mosquitofis	sh
Cottids			Bullheads	
Speckled	Dace		Common Carp	
Redside S	Shiners		Bluegills	
Northern	Pikeminnows		Largemouth Bass	
Largesca	le Suckers		Pumpkinseeds	
Sand Rol	lers		Crappies	
Threespir	ne Sticklebacks		Smallmouth Bass	
Salmonid	S ²		Banded Killifish	
Lamprey				
Chiselmo	uth		Other:	
NOTE: R	FINTRO '17· 41 INTI	RODUCED FROM CFW	Other.	
	,			

LOWER WILLAMETTE RIVER BASIN

Basin LC	IKENY NWR-WILL DWER WILLAMETT IKENY		Map Code Sampling Date Location: Zone 10T	WM1O* 9/12/2017 494684	4958441
Surface Area (m²	2)	25120	Types of aquatic vegeta	ntion ¹	
Average Depth (ı	m)	0.6	Submergent		85
Maximum Depth	(m)	1.8	Emergent		5
Water Temperati		19	Floating		0
			Algae		10
Percent Silt / Org	anics	100	Total		100
Native Fish Spe	cies Collected:		Non-native Fish Species	s Collected	
Oregon Chub Cottids Speckled Dace Redside Shine Northern Pike Largescale Su Sand Rollers Threespine Sti Salmonids ² Lamprey	ers minnows ckers	11412 61	Western Mosquitofish Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass Banded Killifish	ח	10000
Chiselmouth	RSHIELD NEAR 10	00%, RED EAR SLIDER	Other:		
Chiselmouth NOTE: WATE	RSHIELD NEAR 10	00%, RED EAR SLIDER		MP1B	
Chiselmouth NOTE: WATE Site Name MA				MP1B 7/20/2017	
Chiselmouth NOTE: WATE Site Name MA	AGUIRE POND		Map Code		5017115
Chiselmouth NOTE: WATE Site Name MA Basin LC	AGUIRE POND OWER WILLAMETT		Map Code Sampling Date	7/20/2017 524293	
Chiselmouth NOTE: WATE Site Name MA Basin LC Subbasin	AGUIRE POND OWER WILLAMETT 2)	E RIVER	Map Code Sampling Date Location: Zone 10T	7/20/2017 524293	
Chiselmouth NOTE: WATE Site Name MA Basin LC Subbasin Surface Area (m2	AGUIRE POND OWER WILLAMETT 2) n)	E RIVER	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent	7/20/2017 524293	5017115 28 13
Chiselmouth NOTE: WATE Site Name M/ Basin LC Subbasin Surface Area (m/ Average Depth (n/ Maximum Depth	AGUIRE POND OWER WILLAMETT 2) m) (m)	E RIVER 844 1	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating	7/20/2017 524293	5017115 28 13 3
Chiselmouth NOTE: WATE Site Name M/Basin LC Subbasin Surface Area (m/2 Average Depth (I) Maximum Depth Water Temperate	AGUIRE POND OWER WILLAMETT 2) m) (m) ure (C)	844 1 4 22	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae	7/20/2017 524293	5017115 28 13 3 5
Chiselmouth NOTE: WATE Site Name M/Basin LC Subbasin Surface Area (m/2 Average Depth (n/2) Maximum Depth Water Temperatu Percent Silt / Org	AGUIRE POND OWER WILLAMETT 2) m) (m) ure (C) panics	844 1 4	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total	7/20/2017 524293 ation ¹	5017115 28 13 3 5 49
Chiselmouth NOTE: WATE Site Name M/Basin LC Subbasin Surface Area (m/Average Depth (n/Average Depth (n/A	AGUIRE POND OWER WILLAMETT 2) m) (m) ure (C) panics	844 1 4 22 100	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species	7/20/2017 524293 ation ¹	5017115 28 13 3 5 49
Chiselmouth NOTE: WATE Site Name M/Basin LC Subbasin Surface Area (m/Average Depth (n/Average Depth (n/A	AGUIRE POND OWER WILLAMETT 2) m) (m) ure (C) panics	844 1 4 22	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish	7/20/2017 524293 ation ¹	5017115 28 13 3 5 49
Chiselmouth NOTE: WATE Site Name M/Basin LC Subbasin Surface Area (m/A Average Depth (n/A Maximum Depth Water Temperatu Percent Silt / Org Native Fish Spe Oregon Chub Cottids	AGUIRE POND DWER WILLAMETT 2) m) (m) ure (C) panics cies Collected:	844 1 4 22 100	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads	7/20/2017 524293 ation ¹	5017115 28 13 3 5 49
Chiselmouth NOTE: WATE Site Name M/Basin LC Subbasin Surface Area (m/2 Average Depth (n Maximum Depth Water Temperatu Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dace	AGUIRE POND OWER WILLAMETT 2) m) (m) ure (C) panics cies Collected:	844 1 4 22 100	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp	7/20/2017 524293 ation ¹	5017115 28 13 3 5 49
Chiselmouth NOTE: WATE Site Name M/Basin LC Subbasin Surface Area (m/2 Average Depth (n/2) Maximum Depth Water Temperate Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dace Redside Shine	AGUIRE POND OWER WILLAMETT 2) m) (m) ure (C) nanics cies Collected:	844 1 4 22 100	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills	7/20/2017 524293 ation ¹	5017115 28 13 3 5 49
Chiselmouth NOTE: WATE Site Name M/Basin LC Subbasin Surface Area (m/2 Average Depth (n/2) Maximum Depth Water Temperate Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Daco Redside Shine Northern Pike	AGUIRE POND OWER WILLAMETT 2) m) (m) ure (C) panics cies Collected:	844 1 4 22 100	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills Largemouth Bass	7/20/2017 524293 ation ¹	5017115 28 13 3 5 49
Chiselmouth NOTE: WATE Site Name M/Basin LC Subbasin Surface Area (m/Average Depth (n/Average Depth (n/A	AGUIRE POND OWER WILLAMETT 2) m) (m) ure (C) panics cies Collected:	844 1 4 22 100	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/20/2017 524293 ation ¹	5017115 28 13 3 5 49
Chiselmouth NOTE: WATE Site Name M/Basin LC Subbasin Surface Area (m/Average Depth (n/Average Depth (n/A	AGUIRE POND DWER WILLAMETT 2) m) (m) ure (C) panics cies Collected:	844 1 4 22 100	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/20/2017 524293 ation ¹	5017115 28 13 3 5 49
Chiselmouth NOTE: WATE Site Name M/Basin LC Subbasin Surface Area (m/Average Depth (n/Average Depth (n/Av	AGUIRE POND DWER WILLAMETT 2) m) (m) ure (C) panics cies Collected:	844 1 4 22 100	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/20/2017 524293 ation ¹	5017115 28 13 3 5 49
Chiselmouth NOTE: WATE Site Name M/Basin LC Subbasin Surface Area (m/2 Average Depth (n/2 Maximum Depth Water Temperatu Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dacc Redside Shine Northern Pike Largescale Su Sand Rollers Threespine Sti Salmonids 2	AGUIRE POND DWER WILLAMETT 2) m) (m) ure (C) panics cies Collected:	844 1 4 22 100	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/20/2017 524293 ation ¹	5017115 28 13 3 5 49
Chiselmouth NOTE: WATE Site Name M/Basin LC Subbasin Surface Area (m/Average Depth (n/Average Depth (n/Av	AGUIRE POND DWER WILLAMETT 2) m) (m) ure (C) panics cies Collected:	844 1 4 22 100	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/20/2017 524293 ation ¹	5017115 28 13 3 5 49

MCKENZIE RIVER BASIN

Site Name Basin	MCKENZIE RIVER	SAKER) PROPERTY	Map Code Sampling Date	HUNS1-3 6/13/2017	
Subbasin			Location: Zone 10T	508015	4878764
Surface Area	(m2)	1800	Types of aquatic veget	ation 1	
Average Dept	h (m)	1	Submergent		40
Maximum Dep	oth (m)	2	Emergent		20
		- 15	Floating		0
Water Temper			Algae		15
Percent Silt / 0	Organics	20	Total		75
Native Fish S	pecies Collected:		Non-native Fish Specie	es Collected	:
Oregon Ch	ub	947	Western Mosquitofis	sh	
Cottids		6	Bullheads		1
Speckled D	ace	267	Common Carp		
Redside Sh	niners	269	Bluegills		1
Northern P	Pikeminnows	3	Largemouth Bass		
Largescale	Suckers	13	Pumpkinseeds		
Sand Roller	rs		Crappies		
Threespine	Sticklebacks	2465	Smallmouth Bass		
Salmonids ²	2		Banded Killifish		
1					
Lamprey					
Chiselmout	:h		Othern		D/C=4 CDN4
Chiselmout		2	Other:		R/S=1,GRN1
Chiselmout	P EST, VIE RED=12	2			R/S=1,GRN1
Chiselmout NOTE: POF	P EST, VIE RED=12		Map Code	BIG1-6P	R/S=1,GRN1
Chiselmout NOTE: POF Site Name Basin	P EST, VIE RED=12		Map Code Sampling Date	6/6/2017	
Chiselmout NOTE: POF Site Name Basin	P EST, VIE RED=12		Map Code		R/S=1,GRN1 4878997
Chiselmout NOTE: POF Site Name Basin Subbasin	P EST, VIE RED=12 BIG ISLAND MCKENZIE RIVER		Map Code Sampling Date	6/6/2017 507171	
Chiselmout	P EST, VIE RED=12 BIG ISLAND MCKENZIE RIVER (m2)		Map Code Sampling Date Location: Zone 10T	6/6/2017 507171	
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept	BIG ISLAND MCKENZIE RIVER (m2) h (m)	3180	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	6/6/2017 507171	4878997
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept Maximum Dep	BIG ISLAND MCKENZIE RIVER (m2) th (m) oth (m)	3180 1.5 3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	6/6/2017 507171	4878997
Chiselmout NOTE: POR Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Temper	BIG ISLAND MCKENZIE RIVER (m2) h (m) oth (m) rature (C)	3180 1.5 3 13	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	6/6/2017 507171	4878997 27 20
Chiselmout NOTE: POR Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Temper	BIG ISLAND MCKENZIE RIVER (m2) h (m) oth (m) rature (C)	3180 1.5 3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	6/6/2017 507171	4878997 27 20 1
Chiselmout NOTE: POR Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Temper Percent Silt / 0	BIG ISLAND MCKENZIE RIVER (m2) h (m) oth (m) rature (C)	3180 1.5 3 13	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	6/6/2017 507171	4878997 27 20 1 11 59
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Tempel Percent Silt / (Native Fish S Oregon Chi	BIG ISLAND MCKENZIE RIVER (m2) th (m) orth (m) rature (C) Organics Species Collected:	3180 1.5 3 13	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	6/6/2017 507171 ration ¹	4878997 27 20 1 11 59
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Tempel Percent Silt / (Native Fish S	BIG ISLAND MCKENZIE RIVER (m2) th (m) orth (m) rature (C) Organics Species Collected:	3180 1.5 3 13 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	6/6/2017 507171 ration ¹	4878997 27 20 1 11 59
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Tempel Percent Silt / (Native Fish S Oregon Chi	BIG ISLAND MCKENZIE RIVER (m2) th (m) oth (m) rature (C) Organics Species Collected: ub	3180 1.5 3 13 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	6/6/2017 507171 ration ¹	4878997 27 20 1 11 59
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Temper Percent Silt / 0 Native Fish S Oregon Chic Cottids	BIG ISLAND MCKENZIE RIVER (m2) th (m) poth (m) rature (C) Organics Species Collected: ub	3180 1.5 3 13 90 2547 57	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	6/6/2017 507171 ration ¹	4878997 27 20 1 11 59
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Temper Percent Silt / 0 Native Fish S Oregon Chi Cottids Speckled D Redside Sh	BIG ISLAND MCKENZIE RIVER (m2) th (m) poth (m) rature (C) Organics Species Collected: ub	3180 1.5 3 13 90 2547 57	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	6/6/2017 507171 ration ¹	4878997 27 20 1 11 59
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Temper Percent Silt / 0 Native Fish S Oregon Chi Cottids Speckled D Redside Sh	BIG ISLAND MCKENZIE RIVER (m2) th (m) orth (m) organics Species Collected: ub Dace niners	3180 1.5 3 13 90 2547 57 1364 1324	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	6/6/2017 507171 ration ¹	4878997 27 20 1 11 59
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Tempel Percent Silt / (Native Fish S Oregon Che Cottids Speckled D Redside Sh Northern P	BIG ISLAND MCKENZIE RIVER (m2) th (m) orth (m) orature (C) Organics Species Collected: ub Dace niners Pikeminnows Suckers	3180 1.5 3 13 90 2547 57 1364 1324	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	6/6/2017 507171 ration ¹	4878997 27 20 1 11 59
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept Maximum Dept Water Tempel Percent Silt / (Native Fish S Oregon Chi Cottids Speckled D Redside Sh Northern P Largescale Sand Rollel	BIG ISLAND MCKENZIE RIVER (m2) th (m) orth (m) orature (C) Organics Species Collected: ub Dace niners Pikeminnows Suckers	3180 1.5 3 13 90 2547 57 1364 1324	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	6/6/2017 507171 ration ¹	4878997 27 20 1 11 59
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept Maximum Dept Water Tempel Percent Silt / (Native Fish S Oregon Chi Cottids Speckled D Redside Sh Northern P Largescale Sand Rollel	BIG ISLAND MCKENZIE RIVER (m2) th (m) oth (m) orature (C) Organics Species Collected: ub Dace niners Pikeminnows Suckers rs	3180 1.5 3 13 90 2547 57 1364 1324 12	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	6/6/2017 507171 ration ¹	4878997 27 20 1 11 59
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Temper Percent Silt / 0 Native Fish S Oregon Chr Cottids Speckled D Redside Sh Northern P Largescale Sand Roller Threespine	BIG ISLAND MCKENZIE RIVER (m2) th (m) oth (m) orature (C) Organics Species Collected: ub Dace niners Pikeminnows Suckers rs	3180 1.5 3 13 90 2547 57 1364 1324 12 57	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/6/2017 507171 ration ¹	4878997 27 20 1 11 59

MCKENZIE RIVER BASIN

Basin MCKENZIE RIVE	NORTH SLOUGH ER	Map Code Sampling Date	EZELL1 -7/11/2017	,
Subbasin		Location: Zone 10T	506084	4879664
Surface Area (m2)	2000	Types of aquatic veget	ation ¹	
Average Depth (m)	0.7	Submergent		40
Maximum Depth (m)	1.25	Emergent		25
		Floating		25
Water Temperature (C)	18	Algae		10
Percent Silt / Organics	100	Total		100
Native Fish Species Collected	l:	Non-native Fish Specie	es Collected	:
Oregon Chub	46	Western Mosquitofis	sh	
Cottids	9	Bullheads		
Speckled Dace	951	Common Carp		
Redside Shiners	719	Bluegills		
Northern Pikeminnows	1	Largemouth Bass		
Largescale Suckers	2	Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks	138	Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey				
Chiselmouth		Otherwa		RSS/SD=45
		Other:		K33/3D-43
NOTE: MRT PROP P/A				
NOTE: MRT PROP., P/A				
Site Name CHUB (EZELL) \$		Map Code	EZELL4	
Site Name CHUB (EZELL) \$		Map Code Sampling Date	EZELL4 7/11/2017	
Site Name CHUB (EZELL) S Basin MCKENZIE RIVE		•		4879261
Site Name CHUB (EZELL) \$		Sampling Date	7/11/2017 505961	
Site Name CHUB (EZELL) S Basin MCKENZIE RIVE Subbasin	ER	Sampling Date Location: Zone 10T Types of aquatic veget	7/11/2017 505961	
Site Name CHUB (EZELL) S Basin MCKENZIE RIVE Subbasin Surface Area (m2) Average Depth (m)	ER	Sampling Date Location: Zone 10T	7/11/2017 505961	
Site Name CHUB (EZELL) S Basin MCKENZIE RIVE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	1000	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	7/11/2017 505961	
Site Name CHUB (EZELL) S Basin MCKENZIE RIVE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	ER	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/11/2017 505961	
Site Name CHUB (EZELL) S Basin MCKENZIE RIVE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	1000	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	7/11/2017 505961	
Site Name CHUB (EZELL) S Basin MCKENZIE RIVE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	1000 16	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	7/11/2017 505961 ration ¹	4879261
Site Name CHUB (EZELL) S Basin MCKENZIE RIVE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	1000 16	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	7/11/2017 505961 ration ¹	4879261
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected	1000 16	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/11/2017 505961 ration ¹	4879261
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub	1000 16 I:	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	7/11/2017 505961 ration ¹	4879261
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids	1000 16 1: 0 6	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	7/11/2017 505961 ration ¹	4879261
Site Name CHUB (EZELL) Seasin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace	1000 16 1: 0 6 26	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	7/11/2017 505961 ration ¹	4879261
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners	1000 16 1: 0 6 26	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	7/11/2017 505961 ration ¹	4879261
Site Name Basin CHUB (EZELL) S Basin MCKENZIE RIVE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	1000 16 1: 0 6 26 17	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	7/11/2017 505961 ration ¹	4879261
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	1000 16 1: 0 6 26 17	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/11/2017 505961 ration ¹	4879261
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	1000 16 16 1: 0 6 26 17	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/11/2017 505961 ration ¹	4879261
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	1000 16 16 1: 0 6 26 17	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/11/2017 505961 ration ¹	4879261

Basin MCKENZIE RIVER Subbasin	JTH SLOUGH	Map Code Sampling Date Location: Zone 10T	EZELL2B 7/11/2017 506100 4879607
Surface Area (m2)	2504	Types of aquatic veget	ation ¹
Average Depth (m)	1	Submergent	20
Maximum Depth (m)	2	Emergent	50
		Floating	20
Water Temperature (C)	12	Algae	10
Percent Silt / Organics	100	Total	100
Native Fish Species Collected:		Non-native Fish Specie	s Collected:
Oregon Chub	85	Western Mosquitofis	h
Cottids	1	Bullheads	
Speckled Dace	44	Common Carp	
Redside Shiners	20	Bluegills	
Northern Pikeminnows		Largemouth Bass	
Largescale Suckers		Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks	380	Smallmouth Bass	
Salmonids ²		Banded Killifish	
Lamprey			
Chiselmouth		Other:	
NOTE: MRT PROP., P/A			
Site Name CREEN ISLAND CA	DD DONDS	Man Code	CDEENS SD
Site Name GREEN ISLAND CA Basin MCKENZIE RIVER	RP PONDS	Map Code	GREEN6-8D 7/13/2017
Basin MCKENZIE RIVER	RP PONDS	Map Code Sampling Date Location: Zone 10T	GREEN6-8D 7/13/2017 491580 4887208
	RP PONDS	Sampling Date	7/13/2017
Basin MCKENZIE RIVER Subbasin	RP PONDS 7500	Sampling Date	7/13/2017 491580 4887208
Basin MCKENZIE RIVER Subbasin Surface Area (m2)		Sampling Date Location: Zone 10T	7/13/2017 491580 4887208
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m)	7500	Sampling Date Location: Zone 10T Types of aquatic veget	7/13/2017 491580 4887208 ation ¹
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	7500 1.5 3	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/13/2017 491580 4887208 ation ¹
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	7500 1.5 3 23	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	7/13/2017 491580 4887208 ation ¹ 50 1 1 25
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	7500 1.5 3	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/13/2017 491580 4887208 ation ¹ 50 1 1
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	7500 1.5 3 23	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	7/13/2017 491580 4887208 ation ¹ 50 1 1 25 77
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	7500 1.5 3 23	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	7/13/2017 491580 4887208 ation ¹ 50 1 1 25 77 See Collected:
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	7500 1.5 3 23 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	7/13/2017 491580 4887208 ation ¹ 50 1 1 25 77 See Collected:
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	7500 1.5 3 23 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	7/13/2017 491580 4887208 ation ¹ 50 1 25 77 ss Collected: h 1000
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	7500 1.5 3 23 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	7/13/2017 491580 4887208 ation ¹ 50 1 1 25 77 See Collected:
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	7500 1.5 3 23 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	7/13/2017 491580 4887208 ation ¹ 50 1 25 77 ss Collected: h 1000
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	7500 1.5 3 23 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/13/2017 491580 4887208 ation ¹ 50 1 25 77 cs Collected: h 1000
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	7500 1.5 3 23 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/13/2017 491580 4887208 ation ¹ 50 1 25 77 cs Collected: h 1000
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	7500 1.5 3 23 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/13/2017 491580 4887208 ation ¹ 50 1 25 77 cs Collected: h 1000
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids ²	7500 1.5 3 23 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/13/2017 491580 4887208 ation ¹ 50 1 25 77 cs Collected: h 1000
Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	7500 1.5 3 23 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/13/2017 491580 4887208 ation ¹ 50 1 25 77 cs Collected: h 1000

Subbasin	ICKENZIE RIVER		Map Code Sampling Date	GREEN6 9/28/2017	
			Location: Zone 10T	491580	4887208
Surface Area (m	n2)	7500	Types of aquatic veget	ation ¹	
Average Depth	(m)	1.5	Submergent		50
Maximum Depth	n (m)	3	Emergent		1
			Floating		1
Water Tempera	• •	17	Algae		25
Percent Silt / Or	rganics	70	Total		77
Native Fish Sp	ecies Collected:		Non-native Fish Specie	es Collected	:
Oregon Chub)	0	Western Mosquitofis	sh	3
Cottids		2	Bullheads		1
Speckled Dad	ce		Common Carp		
Redside Shin	ners		Bluegills		65
Northern Pik	eminnows	2	Largemouth Bass		26
Largescale S	uckers	8	Pumpkinseeds		
Sand Rollers			Crappies		
Threespine S	ticklebacks		Smallmouth Bass		
Salmonids ²			Banded Killifish		
Lamprey		5			
Chiselmouth			Other:		GRN6 G/BG4
	DEEN ISLAND CAR				
	=	P S CHANNEL	Map Code	GREEN9	
Basin M	ICKENZIE RIVER	P S CHANNEL	Sampling Date	7/13/2017	7
_	=	P S CHANNEL	•		
Basin M	ICKENZIE RIVER	2000	Sampling Date	7/13/2017 491514	7
Basin M Subbasin	MCKENZIE RIVER		Sampling Date Location: Zone 10T	7/13/2017 491514	7
Basin M Subbasin Surface Area (m Average Depth	n2) (m)	2000	Sampling Date Location: Zone 10T Types of aquatic veget	7/13/2017 491514	7 4887121
Basin M Subbasin Surface Area (m Average Depth Maximum Depth	n2) (m) n (m)	2000 0.2 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	7/13/2017 491514	4887121 30
Basin M Subbasin Surface Area (n Average Depth Maximum Depth Water Tempera	n2) (m) n (m) ture (C)	2000 0.2 1.5 16	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	7/13/2017 491514	30 60
Basin M Subbasin Surface Area (n Average Depth Maximum Depth Water Tempera	n2) (m) n (m) ture (C)	2000 0.2 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/13/2017 491514	30 60 5
Basin M Subbasin Surface Area (m Average Depth Maximum Depth Water Tempera Percent Silt / Or	n2) (m) n (m) ture (C)	2000 0.2 1.5 16	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	7/13/2017 491514 ation ¹	30 60 5 1 96
Basin M Subbasin Surface Area (m Average Depth Maximum Depth Water Tempera Percent Silt / Or	n2) (m) n (m) ture (C) rganics ecies Collected:	2000 0.2 1.5 16	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	7/13/2017 491514 ation ¹	30 60 5 1 96
Basin M Subbasin Surface Area (m Average Depth Maximum Depth Water Tempera Percent Silt / Or Native Fish Spe	n2) (m) n (m) ture (C) rganics ecies Collected:	2000 0.2 1.5 16 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/13/2017 491514 ation ¹	30 60 5 1 96
Basin M Subbasin Surface Area (m Average Depth Maximum Depth Water Tempera Percent Silt / Or Native Fish Spe	n2) (m) n (m) ture (C) rganics ecies Collected:	2000 0.2 1.5 16 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	7/13/2017 491514 ation ¹	30 60 5 1 96
Basin M Subbasin Surface Area (m Average Depth Maximum Depth Water Tempera Percent Silt / Or Native Fish Spo Oregon Chub Cottids	n2) (m) n (m) ture (C) rganics ecies Collected:	2000 0.2 1.5 16 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	7/13/2017 491514 ation ¹	30 60 5 1 96
Basin M Subbasin Surface Area (m Average Depth Maximum Depth Water Tempera Percent Silt / Or Native Fish Spe Oregon Chub Cottids Speckled Dad	n2) (m) n (m) ture (C) rganics ecies Collected:	2000 0.2 1.5 16 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	7/13/2017 491514 ation ¹	30 60 5 1 96
Basin M Subbasin Surface Area (m Average Depth Maximum Depth Water Tempera Percent Silt / Or Native Fish Spe Cottids Speckled Dac Redside Shin	n2) (m) n (m) ture (C) rganics ecies Collected:	2000 0.2 1.5 16 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	7/13/2017 491514 ation ¹	30 60 5 1 96 :
Basin M Subbasin Surface Area (m Average Depth Maximum Depth Water Tempera Percent Silt / Or Native Fish Sport Cottids Speckled Data Redside Shin Northern Pik	n2) (m) ture (C) rganics ecies Collected: ce ners eminnows uckers	2000 0.2 1.5 16 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	7/13/2017 491514 ation ¹	30 60 5 1 96 :
Basin M Subbasin Surface Area (m Average Depth Maximum Depth Water Tempera Percent Silt / Or Native Fish Spr Oregon Chub Cottids Speckled Data Redside Shin Northern Pik Largescale S	n2) (m) n (m) ture (C) rganics ecies Collected: ce ners eminnows uckers	2000 0.2 1.5 16 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/13/2017 491514 ation ¹	30 60 5 1 96 :
Basin M Subbasin Surface Area (n Average Depth Maximum Depth Water Tempera Percent Silt / Or Native Fish Spooregon Chub Cottids Speckled Dac Redside Shin Northern Pik Largescale S Sand Rollers	n2) (m) n (m) ture (C) rganics ecies Collected: ce ners eminnows uckers	2000 0.2 1.5 16 10 0 2	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/13/2017 491514 ation ¹	30 60 5 1 96 :
Basin M Subbasin Surface Area (m Average Depth Maximum Depth Water Tempera Percent Silt / Or Native Fish Spo Cottids Speckled Dac Redside Shin Northern Pik Largescale S Sand Rollers Threespine S	n2) (m) n (m) ture (C) rganics ecies Collected: ce ners eminnows uckers	2000 0.2 1.5 16 10 0 2	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/13/2017 491514 ation ¹	30 60 5 1 96 :

Basin MCKEN Subbasin	I ISLAND MELEVIN CROSSING IZIE RIVER	Map Code Sampling Date Location: Zone 10T	GREEN5 6/15/2017 491804	
Surface Area (m2)	12000	Types of aquatic vege	tation ¹	
Average Depth (m)	0.5	Submergent		30
Maximum Depth (m)	2	Emergent		20
		Floating		5
Water Temperature (0		Algae		30
Percent Silt / Organics	85	Total		85
Native Fish Species	Collected:	Non-native Fish Speci	es Collected	:
Oregon Chub	1	Western Mosquitofi	sh	1000
Cottids		Bullheads		
Speckled Dace		Common Carp		
Redside Shiners		Bluegills		
Northern Pikeminn	ows	Largemouth Bass		
Largescale Suckers	5	Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklet	packs 900	Smallmouth Bass		
Salmonids ² CH	1	Banded Killifish		
Lamprey	•	Danded Killingii		
Chiselmouth				
Officelificati		Other:		GREEN=7
Site Name HAYDE	RIVER TRUST PROPERTY & PR	RIVATE Map Code	HAYBR1 6/13/2017	
Site Name HAYDE Basin MCKEN		RIVATE	HAYBR1 6/13/2017 502930	
Site Name HAYDE	N BRIDGE SLOUGH	Map Code Sampling Date	6/13/2017 502930	
Site Name HAYDE Basin MCKEN Subbasin	N BRIDGE SLOUGH IZIE RIVER	Map Code Sampling Date Location: Zone 10T	6/13/2017 502930	
Site Name HAYDE Basin MCKEN Subbasin Surface Area (m2) Average Depth (m)	N BRIDGE SLOUGH IZIE RIVER 720	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent	6/13/2017 502930	4879300
Site Name HAYDE Basin MCKEN Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	N BRIDGE SLOUGH IZIE RIVER 720 0.8 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating	6/13/2017 502930	4879300 40 15 0
Site Name HAYDE Basin MCKEN Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C	720 0.8 1.5 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae	6/13/2017 502930	40 15 0 20
Site Name HAYDE Basin MCKEN Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C Percent Silt / Organics	720 0.8 1.5 2) 12	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae Total	6/13/2017 502930 tation ¹	4879300 40 15 0 20 75
Site Name HAYDE Basin MCKEN Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C Percent Silt / Organics Native Fish Species	720 0.8 1.5 2) 12 Collected:	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae Total Non-native Fish Specie	6/13/2017 502930 tation ¹	4879300 40 15 0 20 75
Site Name HAYDE Basin MCKEN Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C Percent Silt / Organics Native Fish Species Oregon Chub	720 0.8 1.5 2) 12 6 20 Collected:	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae Total Non-native Fish Speci	6/13/2017 502930 tation ¹	4879300 40 15 0 20 75
Site Name HAYDE Basin MCKEN Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C Percent Silt / Organics Native Fish Species Oregon Chub Cottids	720 0.8 1.5 2) 12 Collected:	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae Total Non-native Fish Speci Western Mosquitofi Bullheads	6/13/2017 502930 tation ¹	4879300 40 15 0 20 75
Site Name HAYDE Basin MCKEN Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C Percent Silt / Organics Native Fish Species Oregon Chub Cottids Speckled Dace	720 0.8 1.5 2) 12 6 20 Collected:	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae Total Non-native Fish Speci Western Mosquitofi Bullheads Common Carp	6/13/2017 502930 tation ¹	4879300 40 15 0 20 75
Site Name HAYDE Basin MCKEN Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C Percent Silt / Organics Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners	720 0.8 1.5 2) 12 5 20 Collected:	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae Total Non-native Fish Speci Western Mosquitofi Bullheads Common Carp Bluegills	6/13/2017 502930 tation ¹	4879300 40 15 0 20 75
Site Name HAYDE Basin MCKEN Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C Percent Silt / Organics Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminn	720 0.8 1.5 3 Collected: 0 3	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae Total Non-native Fish Speci Western Mosquitofi Bullheads Common Carp Bluegills Largemouth Bass	6/13/2017 502930 tation ¹	4879300 40 15 0 20 75
Site Name HAYDE Basin MCKEN Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C Percent Silt / Organics Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners	720 0.8 1.5 3 Collected: 0 3	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae Total Non-native Fish Speci Western Mosquitofi Bullheads Common Carp Bluegills	6/13/2017 502930 tation ¹	4879300 40 15 0 20 75
Site Name HAYDE Basin MCKEN Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C Percent Silt / Organics Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminn	720 0.8 1.5 2) 12 3 Collected: 0 3	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae Total Non-native Fish Speci Western Mosquitofi Bullheads Common Carp Bluegills Largemouth Bass	6/13/2017 502930 tation ¹	4879300 40 15 0 20 75
Site Name HAYDE Basin MCKEN Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C Percent Silt / Organics Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminn Largescale Suckers	720 0.8 1.5 2) 20 Collected: 0 3	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae Total Non-native Fish Speci Western Mosquitofi Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	6/13/2017 502930 tation ¹	4879300 40 15 0 20 75
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (Component Silt / Organics Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminn Largescale Suckers Sand Rollers	720 0.8 1.5 2) 20 Collected: 0 3	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae Total Non-native Fish Speci Western Mosquitofi Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	6/13/2017 502930 tation ¹	4879300 40 15 0 20 75
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C Percent Silt / Organics Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminn Largescale Suckers Sand Rollers Threespine Sticklet	720 0.8 1.5 2) 12 3 Collected: 0 3	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae Total Non-native Fish Speci Western Mosquitofi Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/13/2017 502930 tation ¹	4879300 40 15 0 20 75
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C Percent Silt / Organics Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminn Largescale Suckers Sand Rollers Threespine Sticklet Salmonids ² UT	720 0.8 1.5 2) 12 3 Collected: 0 3	Map Code Sampling Date Location: Zone 10T Types of aquatic vege Submergent Emergent Floating Algae Total Non-native Fish Speci Western Mosquitofi Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/13/2017 502930 tation ¹	4879300 40 15 0 20 75

Site Name HAYDEN CHANNEL Basin MCKENZIE RIVER Subbasin		Map Code Sampling Date Location: Zone 10T	HAYBR2 6/13/2017 502790	4879212
Surface Area (m2)	1000	Types of aquatic veget	ation 1	
Average Depth (m)	0.6	Submergent		15
Maximum Depth (m)	1.5	Emergent		15
		Floating		0
Water Temperature (C)	12	Algae		10
Percent Silt / Organics	10	Total		40
Native Fish Species Collected:		Non-native Fish Specie	es Collected:	:
Oregon Chub	0	Western Mosquitofis	sh	
Cottids	1	Bullheads		
Speckled Dace	97	Common Carp		
Redside Shiners	26	Bluegills		
Northern Pikeminnows	7	Largemouth Bass		
Largescale Suckers	9	Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks	176	Smallmouth Bass		
Salmonids ² RT/ST	2	Banded Killifish		
Lamprey Chiselmouth				
Chiselmouth NOTE: NEAR SPFD OXBOW, FL	OAT, ACCESS DIFFIC			
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW	OAT, ACCESS DIFFIC	ULT Map Code	MOX1H	
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER	OAT, ACCESS DIFFIC	ULT Map Code Sampling Date	7/12/2017	
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER	OAT, ACCESS DIFFIC	ULT Map Code		4878728
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW	OAT, ACCESS DIFFIC	ULT Map Code Sampling Date	7/12/2017 511995	
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin		Map Code Sampling Date Location: Zone 10T	7/12/2017 511995	
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m)	22500	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	7/12/2017 511995	4878728
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	22500 0.5 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	7/12/2017 511995	4878728 63
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	22500 0.5 2 22	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	7/12/2017 511995	4878728 63 23
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	22500 0.5 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/12/2017 511995	4878728 63 23 1
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	22500 0.5 2 22	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	7/12/2017 511995 ration ¹	4878728 63 23 1 10 96
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	22500 0.5 2 22	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	7/12/2017 511995 ation ¹	4878728 63 23 1 10 96
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	22500 0.5 2 22 80	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/12/2017 511995 ation ¹	4878728 63 23 1 10 96
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	22500 0.5 2 22 80	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/12/2017 511995 ation ¹	4878728 63 23 1 10 96
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	22500 0.5 2 22 80 1727 8	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	7/12/2017 511995 ation ¹	4878728 63 23 1 10 96
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	22500 0.5 2 22 80 1727 8 13	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	7/12/2017 511995 ation ¹	4878728 63 23 1 10 96
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	22500 0.5 2 22 80 1727 8 13	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	7/12/2017 511995 ation ¹	4878728 63 23 1 10 96
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	22500 0.5 2 22 80 1727 8 13 11	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	7/12/2017 511995 ation ¹	4878728 63 23 1 10 96
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	22500 0.5 2 22 80 1727 8 13 11	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/12/2017 511995 ation ¹	4878728 63 23 1 10 96
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	22500 0.5 2 22 80 1727 8 13 11 10 25	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/12/2017 511995 ation ¹	4878728 63 23 1 10 96
Chiselmouth NOTE: NEAR SPFD OXBOW, FL Site Name MCKENZIE OXBOW Basin MCKENZIE RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	22500 0.5 2 22 80 1727 8 13 11 10 25	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/12/2017 511995 ation ¹	4878728 63 23 1 10 96

Basin MCKENZIE R Subbasin	XBOW WILLOW SLOUGH VER	Map Code Sampling Date Location: Zone 10T	MOX2 7/12/2017 511995 4	878728
Surface Area (m2)	3000	Types of aquatic veget	ation ¹	
Average Depth (m)	0.5	Submergent		59
Maximum Depth (m)	1	Emergent		30
Water Temperature (C)	19	Floating		1
		Algae		10
Percent Silt / Organics	100	Total		100
Native Fish Species Collec	ted:	Non-native Fish Specie	es Collected:	
Oregon Chub	106	Western Mosquitofis	h	
Cottids		Bullheads		
Speckled Dace	22	Common Carp		
Redside Shiners		Bluegills		
Northern Pikeminnows		Largemouth Bass		
Largescale Suckers	1	Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks	24	Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey				
Chiselmouth		Other:		
NOTE: D/A WELLIDS/E	AST OF MCK OXBOW	Other:		
NOTE: P/A, WELL UPS/E	nor or more oxpore			
NOTE: P/A, WELL UPS/E Site Name SPRINGFIELI		Map Code	SO2C	
Site Name SPRINGFIELD	OOXBOW	Map Code Sampling Date	SO2C 6/13/2017	
Site Name SPRINGFIELI Basin MCKENZIE R	OOXBOW		6/13/2017	878935
Site Name SPRINGFIELD	OOXBOW	Sampling Date	6/13/2017 502631 4	878935
Site Name SPRINGFIELI Basin MCKENZIE R Subbasin	O OXBOW VER	Sampling Date Location: Zone 10T	6/13/2017 502631 4	1878935 50
Site Name Basin Subbasin Surface Area (m2)	O OXBOW IVER 2100	Sampling Date Location: Zone 10T Types of aquatic veget	6/13/2017 502631 4	
Site Name SPRINGFIELI Basin MCKENZIE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	2100 0.6 1.4	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	6/13/2017 502631 4	50
Site Name SPRINGFIELD Basin MCKENZIE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	2100 0.6 1.4 18	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	6/13/2017 502631 4	50 30
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	2100 0.6 1.4	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	6/13/2017 502631 4	50 30 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	2100 0.6 1.4 18 40	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	6/13/2017 502631 4 ation ¹	50 30 5 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	2100 0.6 1.4 18 40	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	6/13/2017 502631 4 ation ¹	50 30 5 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect	2100 0.6 1.4 18 40	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	6/13/2017 502631 4 ation ¹	50 30 5 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect Oregon Chub	2100 0.6 1.4 18 40	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	6/13/2017 502631 4 ation ¹	50 30 5 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect Oregon Chub Cottids	2100 0.6 1.4 18 40 ted:	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	6/13/2017 502631 4 ation ¹	50 30 5 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collec Oregon Chub Cottids Speckled Dace	2100 0.6 1.4 18 40 ted: 13 27 9	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	6/13/2017 502631 4 ation ¹	50 30 5 5
Site Name Basin MCKENZIE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collec Oregon Chub Cottids Speckled Dace Redside Shiners	2100 0.6 1.4 18 40 ted: 13 27 9 13	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	6/13/2017 502631 4 ation ¹	50 30 5 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collec Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	2100 0.6 1.4 18 40 ted: 13 27 9 13 14	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	6/13/2017 502631 4 ation ¹	50 30 5 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collec Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	2100 0.6 1.4 18 40 ted: 13 27 9 13 14	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	6/13/2017 502631 4 ation ¹	50 30 5 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collec Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	2100 0.6 1.4 18 40 ted: 13 27 9 13 14 13	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	6/13/2017 502631 4 ation ¹	50 30 5 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collec Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	2100 0.6 1.4 18 40 ted: 13 27 9 13 14 13	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/13/2017 502631 4 ation ¹	50 30 5 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collec Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids ² CH=1	2100 0.6 1.4 18 40 ted: 13 27 9 13 14 13	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/13/2017 502631 4 ation ¹	50 30 5 5

Surface Area (m2) Average Depth (m) Maximum Depth (m)	6000	Types of aquatic veget		
		Types of aquatic veget	ation ¹	
	1	Submergent		60
	2	Emergent		20
	16	Floating		5
Water Temperature (C)		Algae		10
Percent Silt / Organics	70	Total		95
Native Fish Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Chub	83	Western Mosquitofis	h	
Cottids	3	Bullheads		
Speckled Dace	4	Common Carp		
Redside Shiners		Bluegills		
Northern Pikeminnows		Largemouth Bass		
Largescale Suckers		Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks	254	Smallmouth Bass		
Salmonids ² CH=2	1	Banded Killifish		
Lamprey				
Chiselmouth		Other:		
NOTE: MRT PROP, FLOAT, E CH	HNL, P/A			
Site Name THIRCTON DITCH		Man Code	TDITCUA	
Site Name THURSTON DITCH Basin MCKENZIE RIVER		Map Code Sampling Date	TDITCH1 6/6/2017	
Subbasin		Location: Zone 10T	509163	4877122
Jubbasiii		Location. Zone 101	309103	4077122
Surface Area (m2)	900	Types of aquatic veget	ation ¹	
Average Depth (m)	0.2	Submergent		35
Maximum Depth (m)	0.5	Emergent		45
Water Temperature (C)	15	Floating		5
	95	Algae		5
Percent Silt / Organics	ອບ	Total		90
Native Fish Species Collected:		Non-native Fish Specie		1
Oregon Chub	0	Western Mosquitofis	sh	
Cottids		Bullheads		
Speckled Dace		Common Carp		
Redside Shiners		Bluegills		
Northern Pikeminnows		Largemouth Bass		
Largescale Suckers		Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks		Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey Chiselmouth				

Site Name ALDER CREEK Basin MIDDLE FORK WILL	AMETTE RIVER	Map Code Sampling Date	MFALDR1* 8/23/2017
Subbasin		Location: Zone 10T	510335 4868427
Surface Area (m2)	300	Types of aquatic veget	ation ¹
Average Depth (m)	0.5	Submergent	10
Maximum Depth (m)	1	Emergent	50
		Floating	10
Water Temperature (C)	15	Algae	10
Percent Silt / Organics	90	Total	80
Native Fish Species Collected:		Non-native Fish Specie	es Collected:
Oregon Chub	0	Western Mosquitofis	h
Cottids	4	Bullheads	
Speckled Dace	3	Common Carp	
Redside Shiners	1	Bluegills	
Northern Pikeminnows	1	Largemouth Bass	
Largescale Suckers		Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks	11	Smallmouth Bass	
Salmonids ²		Banded Killifish	
Lamprey			
Chiselmouth		045-	
Omeomican		Other:	
	E OE EALL OBEEK DIA		
NOTE: NEAR THE CONFLUENC	E OF FALL CREEK, P/A		
NOTE: NEAR THE CONFLUENC Site Name BARNHARD SLOUGH	H	Map Code	BARN1R
NOTE: NEAR THE CONFLUENC	H	Map Code Sampling Date	4/18/2017
NOTE: NEAR THE CONFLUENC Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILL	H	Map Code	
NOTE: NEAR THE CONFLUENC Site Name BARNHARD SLOUGH	H	Map Code Sampling Date	4/18/2017 539428 4843690
NOTE: NEAR THE CONFLUENC Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILLA Subbasin	H AMETTE RIVER	Map Code Sampling Date Location: Zone 10T	4/18/2017 539428 4843690
NOTE: NEAR THE CONFLUENCE Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m)	H AMETTE RIVER 1440 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	4/18/2017 539428 4843690 ation ¹
NOTE: NEAR THE CONFLUENCE Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	H AMETTE RIVER 1440 0.5 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	4/18/2017 539428 4843690 ation ¹
NOTE: NEAR THE CONFLUENCE Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	H AMETTE RIVER 1440 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	4/18/2017 539428 4843690 ation ¹ 40 30
NOTE: NEAR THE CONFLUENCE Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m)	H AMETTE RIVER 1440 0.5 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	4/18/2017 539428 4843690 ation ¹ 40 30 0
NOTE: NEAR THE CONFLUENCE Site Name Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	H AMETTE RIVER 1440 0.5 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	4/18/2017 539428 4843690 ation ¹ 40 30 0 10 80
NOTE: NEAR THE CONFLUENCE Site Name Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	H AMETTE RIVER 1440 0.5 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	4/18/2017 539428 4843690 ation ¹ 40 30 0 10 80 es Collected:
NOTE: NEAR THE CONFLUENCE Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	H AMETTE RIVER 1440 0.5 1 8 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	4/18/2017 539428 4843690 ation ¹ 40 30 0 10 80 es Collected:
NOTE: NEAR THE CONFLUENCE Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	H AMETTE RIVER 1440 0.5 1 8 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	4/18/2017 539428 4843690 ation ¹ 40 30 0 10 80 es Collected:
NOTE: NEAR THE CONFLUENCE Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	H AMETTE RIVER 1440 0.5 1 8 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	4/18/2017 539428 4843690 ation ¹ 40 30 0 10 80 es Collected:
NOTE: NEAR THE CONFLUENCE Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	HAMETTE RIVER 1440 0.5 1 8 90 0 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	4/18/2017 539428 4843690 ation ¹ 40 30 0 10 80 es Collected:
NOTE: NEAR THE CONFLUENCE Site Name Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	HAMETTE RIVER 1440 0.5 1 8 90 0 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	4/18/2017 539428 4843690 ation ¹ 40 30 0 10 80 es Collected:
NOTE: NEAR THE CONFLUENCE Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILLA Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	HAMETTE RIVER 1440 0.5 1 8 90 0 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	4/18/2017 539428 4843690 ation ¹ 40 30 0 10 80 es Collected:
NOTE: NEAR THE CONFLUENCE Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	HAMETTE RIVER 1440 0.5 1 8 90 0 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/18/2017 539428 4843690 ation ¹ 40 30 0 10 80 es Collected:
NOTE: NEAR THE CONFLUENCE Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	HAMETTE RIVER 1440 0.5 1 8 90 0 1 2 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/18/2017 539428 4843690 ation ¹ 40 30 0 10 80 es Collected:
NOTE: NEAR THE CONFLUENCE Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2 CT=2, RB=1	HAMETTE RIVER 1440 0.5 1 8 90 0 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/18/2017 539428 4843690 ation ¹ 40 30 0 10 80 es Collected:
NOTE: NEAR THE CONFLUENCE Site Name BARNHARD SLOUGH Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	HAMETTE RIVER 1440 0.5 1 8 90 0 1 2 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/18/2017 539428 4843690 ation ¹ 40 30 0 10 80 es Collected:

Subbasin	FALL CREEK				
			Location: Zone 10T	515887	4866148
Surface Area	(m2)	480	Types of aquatic vegetat	tion ¹	
Average Dept	h (m)	0.75	Submergent		30
Maximum Dep		1.5	Emergent		50
		12	Floating		1
Water Tempe			Algae		0
Percent Silt / (Organics	80	Total		81
Native Fish S	species Collected:		Non-native Fish Species	Collected	:
Oregon Ch	ub	1	Western Mosquitofish		3
Cottids		2	Bullheads		2
Speckled D	ace	131	Common Carp		
Redside Sh	niners	284	Bluegills		6
Northern P	Pikeminnows		Largemouth Bass		
Largescale	Suckers	7	Pumpkinseeds		
Sand Rolle	rs		Crappies		
Threespine	Sticklebacks		Smallmouth Bass		
Salmonids	2		Banded Killifish		
Lamprey		3			
Chiselmout	h		0.1		DIAMB
NOTE: HE	AVY SEDIMENTATIC	. N. I	Other:		P LAMP
Site Name	BEAD SLOUGH		Map Code	BEAD1A	
Basin 	MIDDLE FORK WILI	LAMETTE RIVER	Sampling Date	8/25/2017	
Subbasin			Location: Zone 10T	510921	4868306
Surface Area	(m2)	560	Types of aquatic vegetat	tion ¹	
Average Dept	h (m)	0.5	Submergent		30
Maximum Dep	oth (m)	1	Emergent		40
Water Tempe		18	Floating		10
•	• •		Algae		10
Percent Silt / (Organics	30	Total		90
Native Fish S	species Collected:		Non-native Fish Species	Collected	:
Oregon Ch	ub	75	Western Mosquitofish		500
Cottids		2	Bullheads		
Speckled D	ace	29	Common Carp		
Redside Sh	niners	2	Bluegills		9
Northern P	Pikeminnows	49	Largemouth Bass		
Largescale	Suckers	6	Pumpkinseeds		
Sand Rolle	rs		Crappies		
Threespine	Sticklebacks	1	Smallmouth Bass		
Salmonids	² RT	1	Banded Killifish		
Lamprey					
Northern P Largescale Sand Rolle Threespine Salmonids	Pikeminnows Suckers rs Sticklebacks	49 6 1	Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass		

Site Name Basin	MIDDLE FORK WIL		Map Code Sampling Date	BREW1E 9/25/2017	
Subbasin	FALL CREEK		Location: Zone 10T	514777	4866321
Surface Area	a (m2)	650	Types of aquatic veget	ation ¹	
Average Dep	oth (m)	0.25	Submergent		30
Maximum De	epth (m)	1.2	Emergent		15
Water Temp		12	Floating		0
			Algae		5
Percent Silt	/ Organics	40	Total		50
Native Fish	Species Collected:		Non-native Fish Specie	es Collected	:
Oregon C	hub	7	Western Mosquitofis	sh	
Cottids		3	Bullheads		1
Speckled	Dace	60	Common Carp		
Redside S	Shiners	1	Bluegills		1
Northern	Pikeminnows		Largemouth Bass		
Largescal	e Suckers	12	Pumpkinseeds		
Sand Roll	ers		Crappies		
	e Sticklebacks		Smallmouth Bass		
Salmonide	S ²		Banded Killifish		
Lamprey					
Chiselmo	uth		Other		
		UR. CHANNEL NARROW	Other:		
NOTE: PO	OP EST, SOME SCO	UR, CHANNEL NARROW			
NOTE: PO	DP EST, SOME SCO	K	Map Code	BCK9-12	
NOTE: PO	DP EST, SOME SCO BUCKHEAD CREE MIDDLE FORK WIL	K LLAMETTE RIVER	Map Code Sampling Date	5/11/2017	-
NOTE: PO	DP EST, SOME SCO	K LLAMETTE RIVER	Map Code		
NOTE: PO Site Name Basin Subbasin	DP EST, SOME SCO BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE	K LLAMETTE RIVER	Map Code Sampling Date	5/11/2017 538039	-
NOTE: PO Site Name Basin Subbasin	BUCKHEAD CREE MIDDLE FORK WII BUCKHEAD CREE	EK LLAMETTE RIVER K	Map Code Sampling Date Location: Zone 10T	5/11/2017 538039	-
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m)	LAMETTE RIVER K 11290	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	5/11/2017 538039	4847819
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m)	LAMETTE RIVER K 11290 1 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	5/11/2017 538039	4847819
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C)	11290 1 1.5 7.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	5/11/2017 538039	4847819 55 35
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C)	LAMETTE RIVER K 11290 1 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	5/11/2017 538039	4847819 55 35 5
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum Do Water Temp Percent Silt	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C)	11290 1 1.5 7.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	5/11/2017 538039 Tation ¹	4847819 55 35 5 5 100
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum Do Water Temp Percent Silt	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	11290 1 1.5 7.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	5/11/2017 538039 ation ¹	4847819 55 35 5 5 100
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum Do Water Temp Percent Silt	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	11290 1 1.5 7.5 60	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	5/11/2017 538039 ation ¹	4847819 55 35 5 5 100
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt Native Fish Oregon C	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	11290 1 1.5 7.5 60	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	5/11/2017 538039 ation ¹	4847819 55 35 5 5 100
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	11290 1 1.5 7.5 60 398 3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	5/11/2017 538039 ation ¹	4847819 55 35 5 5 100
NOTE: POSITE NAME Basin Subbasin Surface Area Average Dep Maximum Do Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace	11290 1 1.5 7.5 60 398 3 1023	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	5/11/2017 538039 ation ¹	4847819 55 35 5 5 100
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum Do Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners	11290 1 1.5 7.5 60 398 3 1023 854	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	5/11/2017 538039 ation ¹	4847819 55 35 5 5 100
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum Do Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	11290 1 1.5 7.5 60 398 3 1023 854 7	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	5/11/2017 538039 ation ¹	4847819 55 35 5 5 100
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum Dependent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	11290 1 1.5 7.5 60 398 3 1023 854 7	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	5/11/2017 538039 ation ¹	4847819 55 35 5 5 100
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum Dependent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ie Sticklebacks	11290 1 1.5 7.5 60 398 3 1023 854 7	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	5/11/2017 538039 ation ¹	4847819 55 35 5 5 100
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum Do Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ie Sticklebacks	11290 1 1.5 7.5 60 398 3 1023 854 7	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/11/2017 538039 ation ¹	4847819 55 35 5 5 100
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	BUCKHEAD CREE MIDDLE FORK WIL BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ers ers Sticklebacks s 2	11290 1 1.5 7.5 60 398 3 1023 854 7	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/11/2017 538039 ation ¹	4847819 55 35 5 5 100

Basin MIDDLE FORK WIL Subbasin	LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	CMPCOV1* 8/10/2017 508719 4869961
Surface Area (m2)	250	Types of aquatic veget	ation '
Average Depth (m)	0.5	Submergent	0
Maximum Depth (m)	1	Emergent	20
Water Temperature (C)	18	Floating	0
Percent Silt / Organics	70	Algae <i>Total</i>	0 20
Native Fish Species Collected:		Non-native Fish Specie	
•	22	•	
Oregon Chub	33	Western Mosquitofis	SIN .
Cottids	1	Bullheads	
Speckled Dace	2	Common Carp	
Redside Shiners	1	Bluegills	
Northern Pikeminnows	10	Largemouth Bass	
Largescale Suckers		Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks	2	Smallmouth Bass	
Salmonids ²		Banded Killifish	
Lamprey			
Chiselmouth		Other	
		Other:	
NOTE. DIA NEAD LUMBED CO	AT		
NOTE: P/A, NEAR LUMBER CO	O AT JASPER		
NOTE: P/A, NEAR LUMBER CO		Map Code	MF14I*
Site Name DEEP MUDDY SLO	DUGH	Map Code Sampling Date	MF14I* 8/16/2017
Site Name DEEP MUDDY SLO Basin MIDDLE FORK WIL	DUGH	•	
Site Name DEEP MUDDY SLO Basin MIDDLE FORK WIL	DUGH	Sampling Date Location: Zone 10T	8/16/2017 510661 4867933
Site Name DEEP MUDDY SLO	DUGH	Sampling Date	8/16/2017 510661 4867933
Site Name Basin MIDDLE FORK WIL Subbasin	D UGH LAMETTE RIVER	Sampling Date Location: Zone 10T	8/16/2017 510661 4867933
Site Name DEEP MUDDY SLO Basin MIDDLE FORK WIL Subbasin Surface Area (m2)	LAMETTE RIVER	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	8/16/2017 510661 4867933 ation ¹ 50 40
Site Name DEEP MUDDY SLO Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m)	DUGH LAMETTE RIVER 500 0.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	8/16/2017 510661 4867933 ation ¹ 50 40 0
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	500 0.5 0.8 13	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	8/16/2017 510661 4867933 ation ¹ 50 40 0 0
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	500 0.5 0.8	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	8/16/2017 510661 4867933 ation ¹ 50 40 0 0 90
Site Name Basin Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	500 0.5 0.8 13 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	8/16/2017 510661 4867933 ation ¹ 50 40 0 0 90 es Collected:
Site Name Basin Bubbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	500 0.5 0.8 13 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	8/16/2017 510661 4867933 ation ¹ 50 40 0 0 90 es Collected:
Site Name Basin Bubbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	500 0.5 0.8 13 90 21 66	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	8/16/2017 510661 4867933 ation ¹ 50 40 0 0 90 es Collected:
Site Name Basin Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	500 0.5 0.8 13 90 21 66 218	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	8/16/2017 510661 4867933 ation ¹ 50 40 0 0 90 es Collected:
Site Name Basin Bubbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	500 0.5 0.8 13 90 21 66	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	8/16/2017 510661 4867933 ation ¹ 50 40 0 0 90 es Collected:
Site Name Basin Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	500 0.5 0.8 13 90 21 66 218	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	8/16/2017 510661 4867933 ation ¹ 50 40 0 0 90 es Collected:
Site Name DEEP MUDDY SLO Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	500 0.5 0.8 13 90 21 66 218 63	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	8/16/2017 510661 4867933 ation ¹ 50 40 0 0 90 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	500 0.5 0.8 13 90 21 66 218 63	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	8/16/2017 510661 4867933 ation ¹ 50 40 0 0 90 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	500 0.5 0.8 13 90 21 66 218 63	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	8/16/2017 510661 4867933 ation ¹ 50 40 0 0 90 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	500 0.5 0.8 13 90 21 66 218 63	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	8/16/2017 510661 4867933 ation ¹ 50 40 0 0 90 es Collected:
Site Name Basin Bubbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	500 0.5 0.8 13 90 21 66 218 63	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/16/2017 510661 4867933 ation ¹ 50 40 0 0 90 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	500 0.5 0.8 13 90 21 66 218 63	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/16/2017 510661 4867933 ation ¹ 50 40 0 0 90 es Collected:

Basin Subbasin	MIDDLE FORK WIL	LLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	PIT1Y 4/12/2017	
Subbasin	DEXTER RESERV	OIR	Location: Zone 101	517160	4861467
Surface Are	a (m2)	1200	Types of aquatic veget	ation ¹	
Average De	pth (m)	0.2	Submergent		10
Maximum D	epth (m)	0.5	Emergent		10
Water Temp		10.5	Floating		0
			Algae		70
Percent Silt	/ Organics	90	Total		90
Native Fish	Species Collected:		Non-native Fish Specie	es Collected	:
Oregon C	hub	587	Western Mosquitofis	sh	
Cottids		1	Bullheads		
Speckled	Dace		Common Carp		
Redside S	Shiners	79	Bluegills		2
Northern	Pikeminnows	167	Largemouth Bass		
Largescal	le Suckers		Pumpkinseeds		
Sand Roll	lers		Crappies		
Threespir	ne Sticklebacks		Smallmouth Bass		
Salmonid	S ²		Banded Killifish		
Lamprey					
Chiselmo	uth		Other:		
NOTE: P	OP EST POOR RECA	AP LOW WATER	Other.		
NOTE: P	OP EST, POOR RECA	AP, LOW WATER	Other.		
	OP EST, POOR RECA		Map Code	EB26I*	
Site Name Basin	DEXTER DAM SLO	DUGH	Map Code Sampling Date	8/1/2017	
Site Name Basin	DEXTER DAM SLO	DUGH	Map Code		4863239
Site Name Basin Subbasin	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW	DUGH	Map Code Sampling Date	8/1/2017 515169	4863239
Site Name Basin Subbasin Surface Are	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW	DUGH LLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	8/1/2017 515169	4863239
Site Name Basin Subbasin Surface Are Average De	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m)	DUGH LLAMETTE RIVER 1800 0.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	8/1/2017 515169	
Site Name Basin Subbasin Surface Are Average De Maximum D	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m)	DUGH LLAMETTE RIVER 1800 0.3 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	8/1/2017 515169	20
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C)	DUGH LLAMETTE RIVER 1800 0.3 1 18	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	8/1/2017 515169	20 65
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C)	DUGH LLAMETTE RIVER 1800 0.3 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	8/1/2017 515169	20 65 1
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C)	DUGH LLAMETTE RIVER 1800 0.3 1 18	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	8/1/2017 515169 cation ¹	20 65 1 5
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	DUGH LLAMETTE RIVER 1800 0.3 1 18	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	8/1/2017 515169 Eation ¹	20 65 1 5
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	1800 0.3 1 18 18	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	8/1/2017 515169 Eation ¹	20 65 1 5
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	1800 0.3 1 18 85	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	8/1/2017 515169 Eation ¹	20 65 1 5 91
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace	1800 0.3 1 188 85	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	8/1/2017 515169 Eation ¹	20 65 1 5 91
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace	1800 0.3 1 188 85 384 380 120	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	8/1/2017 515169 Eation ¹	20 65 1 5 91 :
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners	1800 0.3 1 188 85 384 380 120 4	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	8/1/2017 515169 Eation ¹	20 65 1 5 91 :
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers	1800 0.3 1 188 85 384 380 120 4 33	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	8/1/2017 515169 Eation ¹	20 65 1 5 91 :
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers	1800 0.3 1 188 85 384 380 120 4 33	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	8/1/2017 515169 Eation ¹	20 65 1 5 91 :
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	1800 0.3 1 188 85 384 380 120 4 33	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	8/1/2017 515169 Eation ¹	20 65 1 5 91 : 4584 1 356
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	1800 0.3 1 188 85 384 380 120 4 33	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/1/2017 515169 Eation ¹	20 65 1 5 91 : 4584 1 356
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir Salmonid	DEXTER DAM SLO MIDDLE FORK WIL ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks s²	1800 0.3 1 188 85 384 380 120 4 33 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/1/2017 515169 Eation ¹	20 65 1 5 91 : 4584 1 356

Basin Basin		LLAMETTE RIVER	Map Code Sampling Date	DEX1N 4/19/2017
Subbasin	DEXTER RESERV	OIR	Location: Zone 10T	517346 4861408
Surface Area	a (m2)	80	Types of aquatic veget	ation ¹
Average Dep	oth (m)	1	Submergent	0
Maximum De		2	Emergent	5
			Floating	0
Nater Temp	• •	9	Algae	95
Percent Silt /	/ Organics	80	Total	100
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:
Oregon C	hub	0	Western Mosquitofis	sh
Cottids		1	Bullheads	
Speckled	Dace		Common Carp	
Redside S	Shiners	11	Bluegills	
Northern	Pikeminnows		Largemouth Bass	
Largescal	e Suckers		Pumpkinseeds	
Sand Roll	ers		Crappies	
Threespin	e Sticklebacks		Smallmouth Bass	
Salmonide	S ²		Banded Killifish	
Lamprey				
Chiselmou	uth		Othor	
			Other:	
JOTE: P/	A TRAIL NEAR PHILL	OFF TO CUI VERT		
NOTE: P/	A TRAIL NEAR PULL	LOFF TO CULVERT		
Site Name	DEXTER RV ALCO	OVE	Map Code	DEX3W
Site Name Basin	DEXTER RV ALCO	DVE LLAMETTE RIVER	Sampling Date	4/12/2017
	DEXTER RV ALCO	DVE LLAMETTE RIVER		
Site Name Basin	DEXTER RV ALCO MIDDLE FORK WI DEXTER RESERV	DVE LLAMETTE RIVER	Sampling Date	4/12/2017 515362 4862037
Site Name Basin Subbasin	DEXTER RV ALCO MIDDLE FORK WI DEXTER RESERV	DVE LLAMETTE RIVER OIR	Sampling Date Location: Zone 10T	4/12/2017 515362 4862037
Site Name Basin Subbasin Surface Area Average Dep	DEXTER RV ALCO MIDDLE FORK WII DEXTER RESERV a (m2) oth (m)	DVE LLAMETTE RIVER OIR 1650	Sampling Date Location: Zone 10T Types of aquatic veget	4/12/2017 515362 4862037 ation ¹
Site Name Sasin Subbasin Surface Area Average Dep	DEXTER RV ALCO MIDDLE FORK WII DEXTER RESERV a (m2) oth (m) epth (m)	DVE LLAMETTE RIVER OIR 1650 0.5 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	4/12/2017 515362 4862037 ation ¹
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp	DEXTER RV ALCO MIDDLE FORK WII DEXTER RESERV a (m2) oth (m) epth (m) erature (C)	DVE LLAMETTE RIVER OIR 1650 0.5 1 8.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	4/12/2017 515362 4862037 ation ¹ 40 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De	DEXTER RV ALCO MIDDLE FORK WII DEXTER RESERV a (m2) oth (m) epth (m) erature (C)	DVE LLAMETTE RIVER OIR 1650 0.5 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	4/12/2017 515362 4862037 ation ¹ 40 10 0
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt	DEXTER RV ALCO MIDDLE FORK WII DEXTER RESERV a (m2) oth (m) epth (m) erature (C)	DVE LLAMETTE RIVER OIR 1650 0.5 1 8.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	4/12/2017 515362 4862037 ation ¹ 40 10 0 30 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt	DEXTER RV ALCO MIDDLE FORK WILL DEXTER RESERV a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	DVE LLAMETTE RIVER OIR 1650 0.5 1 8.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	4/12/2017 515362 4862037 ation ¹ 40 10 0 30 80 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt A	DEXTER RV ALCO MIDDLE FORK WILL DEXTER RESERV a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	DVE LLAMETTE RIVER OIR 1650 0.5 1 8.5 100	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	4/12/2017 515362 4862037 ation ¹ 40 10 0 30 80 es Collected:
Site Name Sasin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt	DEXTER RV ALCO MIDDLE FORK WII DEXTER RESERV a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	1650 0.5 1 8.5 100	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	4/12/2017 515362 4862037 ation ¹ 40 10 0 30 80 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Native Fish Oregon Ci Cottids	DEXTER RV ALCO MIDDLE FORK WII DEXTER RESERV a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace	1650 0.5 1 8.5 100	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	4/12/2017 515362 4862037 ation ¹ 40 10 0 30 80 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S	DEXTER RV ALCO MIDDLE FORK WII DEXTER RESERV a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace	DVE LLAMETTE RIVER OIR 1650 0.5 1 8.5 100 1457 7	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	4/12/2017 515362 4862037 ation ¹ 40 10 0 30 80 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S	DEXTER RV ALCO MIDDLE FORK WII DEXTER RESERV a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows	DVE LLAMETTE RIVER OIR 1650 0.5 1 8.5 100 1457 7	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	4/12/2017 515362 4862037 ation ¹ 40 10 0 30 80 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S Northern	DEXTER RV ALCO MIDDLE FORK WILL DEXTER RESERV a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	DVE LLAMETTE RIVER OIR 1650 0.5 1 8.5 100 1457 7	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	4/12/2017 515362 4862037 ation ¹ 40 10 0 30 80 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	DEXTER RV ALCO MIDDLE FORK WILL DEXTER RESERV a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	DVE LLAMETTE RIVER OIR 1650 0.5 1 8.5 100 1457 7	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	4/12/2017 515362 4862037 ation ¹ 40 10 0 30 80 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	DEXTER RV ALCO MIDDLE FORK WILL DEXTER RESERV a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks	DVE LLAMETTE RIVER OIR 1650 0.5 1 8.5 100 1457 7	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/12/2017 515362 4862037 ation ¹ 40 10 0 30 80 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	DEXTER RV ALCO MIDDLE FORK WILL DEXTER RESERV a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks	DVE LLAMETTE RIVER OIR 1650 0.5 1 8.5 100 1457 7	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/12/2017 515362 4862037 ation ¹ 40 10 0 30 80 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon Ci Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	DEXTER RV ALCO MIDDLE FORK WII DEXTER RESERV a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers le Sticklebacks s 2	DVE LLAMETTE RIVER OIR 1650 0.5 1 8.5 100 1457 7	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/12/2017 515362 4862037 ation ¹ 40 10 0 30 80 es Collected:

Basin MIDDLE FORK WIL Subbasin	D SLOUGH LLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	MF16C* 8/23/2017 510720 4868147
Surface Area (m2)	400	Types of aquatic vegeta	ation ¹
Average Depth (m)	0.25	Submergent	25
Maximum Depth (m)	1	Emergent	40
Water Temperature (C)	17	Floating	25
		Algae	0
Percent Silt / Organics	100	Total	90
Native Fish Species Collected:		Non-native Fish Specie	s Collected:
Oregon Chub	231	Western Mosquitofis	h 5
Cottids	3	Bullheads	
Speckled Dace	5	Common Carp	
Redside Shiners	4	Bluegills	
Northern Pikeminnows	11	Largemouth Bass	
Largescale Suckers		Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks	64	Smallmouth Bass	
Salmonids ²		Banded Killifish	
Lamprey			
Chiselmouth		Other:	
		Other:	
Site Name DOUGREN SLOUG	SH	Map Code	MF15I*
Site Name DOUGREN SLOUG Basin MIDDLE FORK WIL	SH	Map Code Sampling Date Location: Zone 10T	MF15I* 8/14/2017 510579 4868037
Site Name DOUGREN SLOUG	SH	Sampling Date	8/14/2017 510579 4868037
Site Name DOUGREN SLOUG Basin MIDDLE FORK WII Subbasin Surface Area (m2)	EH LLAMETTE RIVER 1000	Sampling Date Location: Zone 10T Types of aquatic vegeta	8/14/2017 510579 4868037 ation ¹
Site Name DOUGREN SLOUG Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m)	LAMETTE RIVER 1000 0.75	Sampling Date Location: Zone 10T	8/14/2017 510579 4868037
Site Name DOUGREN SLOUG Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	LAMETTE RIVER 1000 0.75 1.5	Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent	8/14/2017 510579 4868037 ation ¹
Site Name DOUGREN SLOUG Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	1000 0.75 1.5 18	Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent	8/14/2017 510579 4868037 ation ¹ 50 30
Site Name DOUGREN SLOUG Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	LAMETTE RIVER 1000 0.75 1.5	Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating	8/14/2017 510579 4868037 ation ¹ 50 30 0
Site Name DOUGREN SLOUG Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	1000 0.75 1.5 18	Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae	8/14/2017 510579 4868037 ation ¹ 50 30 0 1 81
Site Name DOUGREN SLOUG Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	1000 0.75 1.5 18	Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total	8/14/2017 510579 4868037 ation ¹ 50 30 0 1 81 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	1000 0.75 1.5 18	Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie	8/14/2017 510579 4868037 ation ¹ 50 30 0 1 81 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	1000 0.75 1.5 18 10	Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	8/14/2017 510579 4868037 ation ¹ 50 30 0 1 81 es Collected:
Site Name DOUGREN SLOUG Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	1000 0.75 1.5 18 10	Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	8/14/2017 510579 4868037 ation ¹ 50 30 0 1 81 es Collected:
Site Name DOUGREN SLOUG Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	1000 0.75 1.5 18 10	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	8/14/2017 510579 4868037 ation ¹ 50 30 0 1 81 es Collected:
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	1000 0.75 1.5 18 10 878 7 403 2163	Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	8/14/2017 510579 4868037 ation ¹ 50 30 0 1 81 es Collected:
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	1000 0.75 1.5 18 10 878 7 403 2163 260	Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	8/14/2017 510579 4868037 ation ¹ 50 30 0 1 81 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	1000 0.75 1.5 18 10 878 7 403 2163 260	Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	8/14/2017 510579 4868037 ation ¹ 50 30 0 1 81 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	1000 0.75 1.5 18 10 878 7 403 2163 260 27	Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	8/14/2017 510579 4868037 ation ¹ 50 30 0 1 81 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	1000 0.75 1.5 18 10 878 7 403 2163 260 27	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/14/2017 510579 4868037 ation ¹ 50 30 0 1 81 es Collected:
Site Name Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids ² CT	1000 0.75 1.5 18 10 878 7 403 2163 260 27	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/14/2017 510579 4868037 ation 1 50 30 0 1 81 es Collected:

Basin MIDDLE FORK V Subbasin	UGH UPSTREAM VILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	MF17C* 8/14/2017 510415 4867932
Surface Area (m2)	1000	Types of aquatic veget	ation ¹
Average Depth (m)	0.8	Submergent	50
Maximum Depth (m)	2.4	Emergent	30
		Floating	0
Water Temperature (C)	17	Algae	1
Percent Silt / Organics	30	Total	81
Native Fish Species Collected	l:	Non-native Fish Specie	es Collected:
Oregon Chub	201	Western Mosquitofis	sh
Cottids		Bullheads	
Speckled Dace	31	Common Carp	
Redside Shiners	64	Bluegills	
Northern Pikeminnows	29	Largemouth Bass	
Largescale Suckers	1	Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks		Smallmouth Bass	
Salmonids ²		Banded Killifish	
Lamprey			
Chiselmouth			
	4	Other:	
NOTE: P/A, RED VIE CHUB:	=1		
	WER BERRY SLOUGH	Map Code	EB4C
Site Name E. BRISTOW LO		Map Code Sampling Date	EB4C 5/23/2017
Site Name E. BRISTOW LO Basin MIDDLE FORK V	WER BERRY SLOUGH VILLAMETTE RIVER		
Site Name Basin Subbasin E. BRISTOW LO MIDDLE FORK V ELIJAH BRISTOV	WER BERRY SLOUGH VILLAMETTE RIVER	Sampling Date	5/23/2017 512603 4865490
Site Name Basin Subbasin ELIJAH BRISTON Surface Area (m2)	WER BERRY SLOUGH VILLAMETTE RIVER W	Sampling Date Location: Zone 10T Types of aquatic veget	5/23/2017 512603 4865490
Site Name Basin Subbasin Subbasin Surface Area (m2) Average Depth (m)	WER BERRY SLOUGH VILLAMETTE RIVER V 4000 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	5/23/2017 512603 4865490 ation ¹
Site Name Basin Subbasin Subbasin ELIJAH BRISTON Surface Area (m2) Average Depth (m) Maximum Depth (m)	WER BERRY SLOUGH VILLAMETTE RIVER V 4000 1 2.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	5/23/2017 512603 4865490 ation ¹
Site Name Basin Subbasin Subbasin ELIJAH BRISTON Surface Area (m2) Average Depth (m) Maximum Depth (m)	WER BERRY SLOUGH VILLAMETTE RIVER V 4000 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	5/23/2017 512603 4865490 ation ¹ 10 15
Site Name Basin Basin Subbasin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	WER BERRY SLOUGH VILLAMETTE RIVER V 4000 1 2.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	5/23/2017 512603 4865490 ation ¹ 10 15 5
Site Name Basin Subbasin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	WER BERRY SLOUGH VILLAMETTE RIVER V 4000 1 2.5 17 94	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	5/23/2017 512603 4865490 ation ¹ 10 15 5 20 50
Site Name Basin Subbasin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	WER BERRY SLOUGH VILLAMETTE RIVER V 4000 1 2.5 17 94	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	5/23/2017 512603 4865490 ation ¹ 10 15 5 20 50 es Collected:
Site Name Basin MIDDLE FORK V Subbasin ELIJAH BRISTOV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected	WER BERRY SLOUGH VILLAMETTE RIVER V 4000 1 2.5 17 94	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	5/23/2017 512603 4865490 ation ¹ 10 15 5 20 50 es Collected:
Site Name Basin Subbasin Subbasin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub	WER BERRY SLOUGH VILLAMETTE RIVER V 4000 1 2.5 17 94	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	5/23/2017 512603 4865490 ation ¹ 10 15 5 20 50 es Collected:
Site Name Basin Subbasin Subbasin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids	WER BERRY SLOUGH VILLAMETTE RIVER V 4000 1 2.5 17 94 I: 95 2	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	5/23/2017 512603 4865490 ation ¹ 10 15 5 20 50 es Collected:
Site Name Basin Basin MIDDLE FORK V Subbasin ELIJAH BRISTOV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace	WER BERRY SLOUGH VILLAMETTE RIVER	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	5/23/2017 512603 4865490 ation ¹ 10 15 5 20 50 es Collected:
Site Name Basin MIDDLE FORK V Subbasin ELIJAH BRISTOV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners	WER BERRY SLOUGH VILLAMETTE RIVER	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	5/23/2017 512603 4865490 ation 1 10 15 5 20 50 es Collected:
Site Name Basin MIDDLE FORK V Subbasin ELIJAH BRISTOV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	WER BERRY SLOUGH VILLAMETTE RIVER	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	5/23/2017 512603 4865490 ation 1 10 15 5 20 50 es Collected:
Site Name Basin MIDDLE FORK V Subbasin ELIJAH BRISTOV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	WER BERRY SLOUGH VILLAMETTE RIVER	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	5/23/2017 512603 4865490 ation 1 10 15 5 20 50 es Collected:
Site Name Basin MIDDLE FORK V Subbasin ELIJAH BRISTOV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	WER BERRY SLOUGH VILLAMETTE RIVER V 4000 1 2.5 17 94 I: 95 2 12 18	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	5/23/2017 512603 4865490 ation 1 10 15 5 20 50 es Collected:
Site Name Basin MIDDLE FORK V Subbasin ELIJAH BRISTOV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	WER BERRY SLOUGH VILLAMETTE RIVER V 4000 1 2.5 17 94 I: 95 2 12 18	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/23/2017 512603 4865490 ation 1 10 15 5 20 50 es Collected:
Site Name Basin MIDDLE FORK V Subbasin ELIJAH BRISTOV Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	WER BERRY SLOUGH VILLAMETTE RIVER V 4000 1 2.5 17 94 I: 95 2 12 18	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/23/2017 512603 4865490 ation 1 10 15 5 20 50 es Collected:

Basin Subbasin	MIDDLE FORK WILL ELIJAH BRISTOW	ER BERRY SLOUGH LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	EB3B 5/23/2017 512533	, 4865758
Curtosa Ara	n (m2)	1200	Types of aquatic veget	ation ¹	
Surface Area		1200		allon	_
Average De		0.5	Submergent		5
Maximum D	epth (m)	1.5	Emergent		20 30
Water Temp	erature (C)	17	Floating Algae		30 20
Percent Silt	/ Organics	100	Aigae Total		90
Native Fish	Species Collected:		Non-native Fish Specie	es Collected	:
Oregon C	hub	9	Western Mosquitofis	sh	
Cottids		1	Bullheads		
Speckled	Dace	10	Common Carp		
Redside S		5	Bluegills		
	Pikeminnows	2	Largemouth Bass		
	e Suckers		Pumpkinseeds		
Sand Roll			Crappies		
Threespir	e Sticklebacks	5	Smallmouth Bass		
Salmonid			Banded Killifish		
Lamprey		1			
Chiselmo	uth				
			Other:		UNK LAMP
NOTE: P/	A, LOWEST POND				
	·	OW CREEK BOND	Man Code	MNIW/1Y	
Site Name	EAST FORK MINN		Map Code	MNW1X 5/2/2017	
Site Name Basin	EAST FORK MINN MIDDLE FORK WIL		Sampling Date	5/2/2017	4859639
Site Name Basin	EAST FORK MINN		-		4859639
Site Name Basin Subbasin	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK		Sampling Date	5/2/2017 521276	4859639
Site Name Basin Subbasin Surface Area	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK	LAMETTE RIVER	Sampling Date Location: Zone 10T	5/2/2017 521276	4859639
Site Name Basin Subbasin Surface Area	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) oth (m)	2000	Sampling Date Location: Zone 10T Types of aquatic veget	5/2/2017 521276	
Site Name Basin Subbasin Surface Area Average De	EAST FORK MINN MIDDLE FORK WILL MINNOW CREEK a (m2) oth (m) epth (m)	2000 1 2	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	5/2/2017 521276	0
Site Name Basin Subbasin Surface Area Average De	EAST FORK MINN MIDDLE FORK WILL MINNOW CREEK a (m2) oth (m) epth (m)	2000	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	5/2/2017 521276	0 50
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) bth (m) epth (m) erature (C)	2000 1 2	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	5/2/2017 521276	0 50 10
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) bth (m) epth (m) erature (C)	2000 1 2 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	5/2/2017 521276 ation ¹	0 50 10 10 70
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	2000 1 2 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	5/2/2017 521276 ation ¹	0 50 10 10 70
Site Name Basin Subbasin Surface Area Average Del Maximum D Water Temp Percent Silt Native Fish	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	2000 1 2 10 95	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	5/2/2017 521276 ation ¹	0 50 10 10 70
Site Name Basin Subbasin Surface Area Average De Maximum Do Water Temp Percent Silt Native Fish Oregon C	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	2000 1 2 10 95	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	5/2/2017 521276 ation ¹	0 50 10 10 70
Site Name Basin Subbasin Surface Area Average De Maximum Do Water Temp Percent Silt Native Fish Oregon C Cottids	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace	2000 1 2 10 95 2658	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	5/2/2017 521276 ation ¹	0 50 10 10 70
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon Cottids Speckled Redside S	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace	2000 1 2 10 95 2658 2453	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	5/2/2017 521276 ation ¹	0 50 10 10 70
Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners	2000 1 2 10 95 2658 2453	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	5/2/2017 521276 ation ¹	0 50 10 10 70
Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	2000 1 2 10 95 2658 2453	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	5/2/2017 521276 ation ¹	0 50 10 10 70
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	2000 1 2 10 95 2658 2453	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	5/2/2017 521276 ation ¹	0 50 10 10 70
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	2000 1 2 10 95 2658 2453	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	5/2/2017 521276 ation ¹	0 50 10 10 70
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ie Sticklebacks	2000 1 2 10 95 2658 2453 1090	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/2/2017 521276 ation ¹	0 50 10 10 70
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon Contides Speckled Redside Sel Northern Largescal Sand Roll Threespir Salmonide	EAST FORK MINN MIDDLE FORK WIL MINNOW CREEK a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers le Sticklebacks s² CT	2000 1 2 10 95 2658 2453 1090	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/2/2017 521276 ation ¹	0 50 10 10 70

Site Name Basin	MIDDLE FORK WI	I BERRY SLOUGH LLAMETTE RIVER	Map Code Sampling Date	EB2-11Z 5/23/2017	4005464
Subbasin	ELIJAH BRISTOW		Location: Zone 10T	513050	4865164
Surface Area	a (m2)	5650	Types of aquatic veget	ation ¹	
Average Dep	oth (m)	1	Submergent		8
Maximum De	epth (m)	1.8	Emergent		68
Water Temp		16	Floating		16
			Algae		8
Percent Silt /	/ Organics	100	Total		100
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Cl	hub	0	Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled	Dace	150	Common Carp		
Redside S	Shiners	4	Bluegills		
Northern	Pikeminnows		Largemouth Bass		
Largescal	e Suckers		Pumpkinseeds		
Sand Roll	ers		Crappies		
Threespin	e Sticklebacks	7	Smallmouth Bass		
Salmonide	S ²		Banded Killifish		
Lamprey		1			
Chiselmou	uth		Other:		
•		FEATHER	Other:		
NOTE: P/	A, DNS MOSTLY P F				
NOTE: P/	A, DNS MOSTLY P F	/ ISLAND POND	Map Code	MF8Q,120	J *
NOTE: P/A	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI	I ISLAND POND LLAMETTE RIVER	Map Code Sampling Date	8/2/2017	
NOTE: P/A	A, DNS MOSTLY P F	I ISLAND POND LLAMETTE RIVER	Map Code)* 4864218
NOTE: P/	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW	I ISLAND POND LLAMETTE RIVER	Map Code Sampling Date	8/2/2017 514040	
NOTE: P// Site Name Basin Subbasin	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2)	ISLAND POND LLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	8/2/2017 514040	
NOTE: P// Site Name Basin Subbasin Surface Area	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m)	ISLAND POND LLAMETTE RIVER 10490	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	8/2/2017 514040	4864218
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m)	10490 1.75	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	8/2/2017 514040	4864218
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m) erature (C)	10490 1.75 23	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	8/2/2017 514040	4864218 65 5
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m) erature (C)	10490 1.75	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	8/2/2017 514040	4864218 65 5 5
NOTE: Plansin Subbasin Surface Area Average Dep Maximum Dep Water Tempore	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m) erature (C)	10490 1.75 23	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	8/2/2017 514040 ation ¹	4864218 65 5 5 5
NOTE: Phi Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	10490 1.75 23	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	8/2/2017 514040 ation ¹	4864218 65 5 5 5
NOTE: Plassin Subbasin Surface Area Average Dep Maximum De Water Tempor	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	10490 1 1.75 23 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	8/2/2017 514040 ation ¹	4864218 65 5 5 5 80
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt A Native Fish Oregon Cl	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	10490 1 1.75 23 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	8/2/2017 514040 ation ¹	4864218 65 5 5 5 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempor Percent Silt / Native Fish Oregon Cl Cottids	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace	10490 1 1.75 23 30 2447 391	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	8/2/2017 514040 ation ¹	4864218 65 5 5 5 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace	10490 1 1.75 23 30 2447 391 10149	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	8/2/2017 514040 ation ¹	4864218 65 5 5 5 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows	10490 1 1.75 23 30 2447 391 10149 861	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	8/2/2017 514040 ation ¹	4864218 65 5 5 5 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	10490 1 1.75 23 30 2447 391 10149 861 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	8/2/2017 514040 ation ¹	4864218 65 5 5 5 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	10490 1 1.75 23 30 2447 391 10149 861 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	8/2/2017 514040 ation ¹	4864218 65 5 5 5 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ie Sticklebacks	10490 1 1.75 23 30 2447 391 10149 861 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	8/2/2017 514040 ation ¹	4864218 65 5 5 5 80
NOTE: P// Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	A, DNS MOSTLY P F ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ie Sticklebacks	10490 1 1.75 23 30 2447 391 10149 861 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/2/2017 514040 ation ¹	4864218 65 5 5 5 80

Basin Subbasin	MIDDLE FORK W	I NE GRAVEL PIT 1 ILLAMETTE RIVER	Map Code Sampling Date	EB30I* 8/7/2017	4964790
Subbasin	ELIJAH BRISTOW		Location: Zone 10T	513878	4864780
Surface Area	a (m2)	1000	Types of aquatic veget	ation ¹	
Average De _l	pth (m)	1	Submergent		50
Maximum D	epth (m)	4	Emergent		20
Water Temp		17	Floating		10
	, ,		Algae		10
Percent Silt	/ Organics	50	Total		90
Native Fish	Species Collected:		Non-native Fish Specie	s Collected	:
Oregon C	hub	4355	Western Mosquitofis	h	1000
Cottids		126	Bullheads		11
Speckled	Dace	1382	Common Carp		
Redside S	Shiners	275	Bluegills		1
Northern	Pikeminnows	3	Largemouth Bass		
Largescal	e Suckers	8	Pumpkinseeds		
Sand Roll	lers		Crappies		
	ne Sticklebacks		Smallmouth Bass		
Salmonid	s² RT	1	Banded Killifish		
Lamprey					
Chiselmo	uth		Other:		
			Julion.		
NOTE: PO	OP EST - ELOODPL	AIN STUDY 2010			
	OP EST - FLOODPL	AIN STUDY 2010			
Site Name	ELIJAH BRISTOV	NORTH SLOUGH	Map Code	EBN1S	
Site Name Basin	ELIJAH BRISTOW MIDDLE FORK W	/ NORTH SLOUGH	Sampling Date	4/20/2017	
Site Name Basin	ELIJAH BRISTOV	/ NORTH SLOUGH	•	_	, 4864419
Site Name Basin Subbasin	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW	/ NORTH SLOUGH	Sampling Date	4/20/2017 514858	
Site Name Basin Subbasin Surface Area	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2)	V NORTH SLOUGH ILLAMETTE RIVER	Sampling Date Location: Zone 10T	4/20/2017 514858	
Site Name Basin Subbasin Surface Area	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m)	V NORTH SLOUGH ILLAMETTE RIVER V 3000	Sampling Date Location: Zone 10T Types of aquatic veget	4/20/2017 514858	4864419
Site Name Basin Subbasin Surface Area Average De	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m)	3000 0.5	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent	4/20/2017 514858	4864419
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C)	3000 0.5 1	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent	4/20/2017 514858	4864419 50 15
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C)	3000 0.5	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating	4/20/2017 514858	4864419 50 15 20
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C)	3000 0.5 1	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating Algae	4/20/2017 514858 ation ¹	50 15 20 10 95
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	3000 0.5 1	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total	4/20/2017 514858 ation ¹	50 15 20 10 95
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	3000 0.5 1 10 100	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Species	4/20/2017 514858 ation ¹	50 15 20 10 95
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt Native Fish Oregon C	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) errature (C) / Organics Species Collected:	3000 0.5 1 10 100	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	4/20/2017 514858 ation ¹	50 15 20 10 95
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace	3000 0.5 1 10 100	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	4/20/2017 514858 ation ¹	50 15 20 10 95
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Oregon C Cottids Speckled Redside S	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace	3000 0.5 1 10 100 409 12 18	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis Bullheads Common Carp	4/20/2017 514858 ation ¹	50 15 20 10 95
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners	3000 0.5 1 10 100 409 12 18 276	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis Bullheads Common Carp Bluegills	4/20/2017 514858 ation ¹	50 15 20 10 95
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers	3000 0.5 1 10 100 409 12 18 276	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	4/20/2017 514858 ation ¹	50 15 20 10 95
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers	3000 0.5 1 10 100 409 12 18 276	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	4/20/2017 514858 ation ¹	50 15 20 10 95
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers les Sticklebacks	3000 0.5 1 10 100 409 12 18 276	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/20/2017 514858 ation ¹	50 15 20 10 95
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers les Sticklebacks	3000 0.5 1 10 100 409 12 18 276	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/20/2017 514858 ation ¹	50 15 20 10 95
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	ELIJAH BRISTOW MIDDLE FORK W ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers les Sticklebacks s 2	3000 0.5 1 10 100 409 12 18 276	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/20/2017 514858 ation ¹	50 15 20 10 95

Basin Subbasin		' SE SLOUGH LLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	EB22G* 8/1/2017 514468	4863618
Surface Area	a (m2)	1500	Types of aquatic veget	ation ¹	
Average De	pth (m)	1.5	Submergent		70
Maximum D	epth (m)	2.5	Emergent		5
Water Temp		18	Floating		5
			Algae		5
Percent Silt	/ Organics	60	Total		85
Native Fish	Species Collected:		Non-native Fish Specie	s Collected	:
Oregon C	hub	3709	Western Mosquitofis	h	
Cottids		10	Bullheads		
Speckled	Dace	130	Common Carp		
Redside S	Shiners	90	Bluegills		
Northern	Pikeminnows	2	Largemouth Bass		
Largescal	e Suckers	3	Pumpkinseeds		
Sand Roll	ers		Crappies		
Threespir	ne Sticklebacks		Smallmouth Bass		
Salmonid	S ²		Banded Killifish		
Lamprey					
Chiselmo	uth		Other:		
Officelific					
	NS OF ER SOUTH S	ITE POPEST ON CHUR	Other.		
	NS OF EB SOUTH S	ITE, POP EST ON CHUB			
NOTE: DI	NS OF EB SOUTH S		Map Code	EB21L*	
NOTE: DI	ELIJAH BRISTOW MIDDLE FORK WI	SE SLOUGH LLAMETTE RIVER	Map Code Sampling Date	8/1/2017	
NOTE: DI Site Name Basin	ELIJAH BRISTOW	SE SLOUGH LLAMETTE RIVER	Map Code		4863561
NOTE: DI Site Name Basin Subbasin	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW	SE SLOUGH LLAMETTE RIVER	Map Code Sampling Date	8/1/2017 514611	4863561
NOTE: DI Site Name Basin Subbasin	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2)	/ SE SLOUGH LLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	8/1/2017 514611	4863561 25
NOTE: DI Site Name Basin Subbasin Surface Area	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m)	SE SLOUGH LLAMETTE RIVER 600	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	8/1/2017 514611	
NOTE: DI Site Name Basin Subbasin Surface Area Average De	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) epth (m)	600 0.5 1.6	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	8/1/2017 514611	25
NOTE: DI Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C)	600 0.5 1.6 17	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	8/1/2017 514611	25 15
NOTE: DI Site Name Basin Subbasin Surface Area Average De Maximum D	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C)	600 0.5 1.6	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	8/1/2017 514611	25 15 1
NOTE: DI Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C)	600 0.5 1.6 17	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	8/1/2017 514611 ation ¹	25 15 1 25 66
NOTE: DI Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	600 0.5 1.6 17	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	8/1/2017 514611 ation ¹	25 15 1 25 66
NOTE: DI Site Name Basin Subbasin Surface Area Average De Maximum Di Water Temp Percent Silt Native Fish	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	600 0.5 1.6 17 20	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	8/1/2017 514611 ation ¹	25 15 1 25 66
NOTE: DI Site Name Basin Subbasin Surface Area Average De Maximum Di Water Temp Percent Silt Native Fish Oregon C	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub	600 0.5 1.6 17 20	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	8/1/2017 514611 ation ¹	25 15 1 25 66
NOTE: DI Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub Dace	600 0.5 1.6 17 20 983 49	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	8/1/2017 514611 ation ¹	25 15 1 25 66
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub Dace	600 0.5 1.6 17 20 983 49 746	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	8/1/2017 514611 ation ¹	25 15 1 25 66 :
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners	600 0.5 1.6 17 20 983 49 746 236	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	8/1/2017 514611 ation ¹	25 15 1 25 66 :
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	600 0.5 1.6 17 20 983 49 746 236 6	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	8/1/2017 514611 ation ¹	25 15 1 25 66 :
Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	600 0.5 1.6 17 20 983 49 746 236 6	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	8/1/2017 514611 ation ¹	25 15 1 25 66 :
Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) eepth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks	600 0.5 1.6 17 20 983 49 746 236 6 3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	8/1/2017 514611 ation ¹	25 15 1 25 66 :
NOTE: DI Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir Salmonide	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) eepth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks	600 0.5 1.6 17 20 983 49 746 236 6	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/1/2017 514611 ation ¹	25 15 1 25 66 :
Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks s² CT	600 0.5 1.6 17 20 983 49 746 236 6 3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/1/2017 514611 ation ¹	25 15 1 25 66 :

Site Name Basin Subbasin	MIDDLE FORK WILL FALL CREEK	IFLUENCE SLOUGH LLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	FCC1E* 9/27/2017 511004	4868594
			Types of aquatic veget	ation 1	
Surface Area	a (m2)	650	Types of aquatic veget	ation	
Average Dep	oth (m)	0.25	Submergent		0
Maximum De	epth (m)	0.5	Emergent		50
Water Temp	erature (C)	12	Floating		0
Percent Silt /		35	Algae <i>Total</i>		0 50
Native Fish	Species Collected:		Non-native Fish Specie	es Collected	
Oregon Cl	hub	1	Western Mosquitofis	sh	
Cottids		17	Bullheads		
Speckled	Dace	6	Common Carp		
Redside S		1	Bluegills		
	Pikeminnows	1	Largemouth Bass		
Largescal		2	Pumpkinseeds		
Sand Roll		1	Crappies		
		Ĭ	Crappies Smallmouth Bass		
Salmonids	e Sticklebacks	2			
	s² CT	2	Banded Killifish		
Lamprey					
01: :	0				
		E MOUTH OF FALL CREEK	Other: Map Code	FCSP1X	
NOTE: SII Site Name Basin	DE CHANNEL AT TH	LWAY POND 1		FCSP1X 4/27/2017 519285	4865320
NOTE: SII Site Name Basin Subbasin	DE CHANNEL AT TH FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK	LWAY POND 1 LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	4/27/2017 519285	
NOTE: SII Site Name Basin Subbasin Surface Area	PALL CREEK SPIL MIDDLE FORK WILL FALL CREEK	LEWAY POND 1 LAMETTE RIVER 1875	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	4/27/2017 519285	4865320
NOTE: SII Site Name Basin Subbasin Surface Area	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m)	LWAY POND 1 LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	4/27/2017 519285	4865320 10
NOTE: SII Site Name Basin Subbasin Surface Area	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m)	LEWAY POND 1 LAMETTE RIVER 1875	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	4/27/2017 519285	4865320 10 50
NOTE: SII Site Name Basin Subbasin Surface Area Average Dep	FALL CREEK SPIL MIDDLE FORK WILL FALL CREEK a (m2) oth (m) epth (m)	LEWAY POND 1 LAMETTE RIVER 1875 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	4/27/2017 519285	4865320 10 50 10
NOTE: SII Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C)	LLWAY POND 1 LAMETTE RIVER 1875 1 2.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	4/27/2017 519285	4865320 10 50
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C)	1875 1 2.5 11	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	4/27/2017 519285 ation ¹	10 50 10 1 71
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempor	FALL CREEK SPIL MIDDLE FORK WILL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	1875 1 2.5 11	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	4/27/2017 519285 ation ¹	10 50 10 1 71
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl	FALL CREEK SPIL MIDDLE FORK WILL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	1875 1 2.5 11 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	4/27/2017 519285 ation ¹	10 50 10 1 71
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids	FALL CREEK SPIL MIDDLE FORK WILL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	1875 1 2.5 11 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	4/27/2017 519285 ation ¹	10 50 10 1 71
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids Speckled	FALL CREEK SPIL MIDDLE FORK WILL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	1875 1 2.5 11 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	4/27/2017 519285 ation ¹	10 50 10 1 71
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners	1875 1 2.5 11 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	4/27/2017 519285 ation ¹	10 50 10 1 71
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows	1875 1 2.5 11 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	4/27/2017 519285 ation ¹	10 50 10 1 71
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	1875 1 2.5 11 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	4/27/2017 519285 ation ¹	10 50 10 1 71
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Chiners Pikeminnows e Suckers ers	1875 1 2.5 11 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/27/2017 519285 ation ¹	10 50 10 1 71
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	1875 1 2.5 11 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/27/2017 519285 ation ¹	10 50 10 1 71
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	1875 1 2.5 11 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/27/2017 519285 ation ¹	10 50 10 1 71
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks s 2	1875 1 2.5 11 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/27/2017 519285 ation ¹	10 50 10 1 71

Basin	FALL CREEK SPIL MIDDLE FORK WIL		Map Code Sampling Date	FCSP1X 5/30/2017
Subbasin	FALL CREEK		Location: Zone 10T	519285 4865320
Surface Area	a (m2)	1875	Types of aquatic veget	ation ¹
Average Dep	oth (m)	1	Submergent	10
Maximum De	epth (m)	2.5	Emergent	50
		11	Floating	10
Water Temp			Algae	1
Percent Silt	Organics	100	Total	71
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:
Oregon C	hub	942	Western Mosquitofis	sh
Cottids			Bullheads	
Speckled	Dace		Common Carp	
Redside S	Shiners		Bluegills	
Northern	Pikeminnows		Largemouth Bass	
Largescal	e Suckers		Pumpkinseeds	
Sand Roll	ers		Crappies	
Threespin	e Sticklebacks		Smallmouth Bass	
Salmonide	S ²		Banded Killifish	
Lamprey				
Chiselmo	uth		Other:	
			Other:	
NOTE: D/	A RESCUE DURING	SDILLWAY MAINTENANCE	=	
NOTE: P/	A RESCUE DURING	SPILLWAY MAINTENANCE		
Site Name	FALL CREEK SPIL	LWAY POND 2	Map Code	FCSP2L
Site Name Basin	FALL CREEK SPIL MIDDLE FORK WIL	LWAY POND 2	Map Code Sampling Date	4/27/2017
Site Name Basin	FALL CREEK SPIL	LWAY POND 2	Map Code	
	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK	LWAY POND 2	Map Code Sampling Date	4/27/2017 519285 4865320
Site Name Basin Subbasin	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK	LWAY POND 2 LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	4/27/2017 519285 4865320
Site Name Basin Subbasin Surface Area	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m)	LWAY POND 2 LAMETTE RIVER 6000	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	4/27/2017 519285 4865320 ation ¹
Site Name Basin Subbasin Surface Area Average Dep Maximum De	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m)	LWAY POND 2 LAMETTE RIVER 6000 0.5 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	4/27/2017 519285 4865320 ation ¹
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C)	6000 0.5 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	4/27/2017 519285 4865320 ation ¹ 4 48
Site Name Basin Subbasin Surface Area Average Dep Maximum De	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C)	LWAY POND 2 LAMETTE RIVER 6000 0.5 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	4/27/2017 519285 4865320 ation ¹ 4 48 3
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C)	6000 0.5 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	4/27/2017 519285 4865320 ation ¹ 4 48 3 14 69
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	6000 0.5 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	4/27/2017 519285 4865320 ation ¹ 4 48 3 14 69 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	6000 0.5 1 1 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	4/27/2017 519285 4865320 ation ¹ 4 48 3 14 69 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Native Fish Oregon C	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	6000 0.5 1 1 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	4/27/2017 519285 4865320 ation ¹ 4 48 3 14 69 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt a Native Fish Oregon C Cottids	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) Corganics Species Collected: hub	6000 0.5 1 1 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	4/27/2017 519285 4865320 ation ¹ 4 48 3 14 69 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) Corganics Species Collected: hub	6000 0.5 1 1 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	4/27/2017 519285 4865320 ation ¹ 4 48 3 14 69 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows	6000 0.5 1 1 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	4/27/2017 519285 4865320 ation ¹ 4 48 3 14 69 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S Northern	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	6000 0.5 1 1 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	4/27/2017 519285 4865320 ation ¹ 4 48 3 14 69 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	6000 0.5 1 1 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	4/27/2017 519285 4865320 ation ¹ 4 48 3 14 69 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	6000 0.5 1 1 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/27/2017 519285 4865320 ation ¹ 4 48 3 14 69 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	6000 0.5 1 1 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/27/2017 519285 4865320 ation ¹ 4 48 3 14 69 es Collected:
Site Name Basin Subbasin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	FALL CREEK SPIL MIDDLE FORK WIL FALL CREEK a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks s 2	6000 0.5 1 1 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/27/2017 519285 4865320 ation ¹ 4 48 3 14 69 es Collected:

Basin MIDDLE FORK Subbasin	S GRAVEL PIT WILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	GGGP1E* 8/17/2017 508834 4869082
Surface Area (m2)	3600	Types of aquatic veget	ation ¹
Average Depth (m)	1	Submergent	70
Maximum Depth (m)	2	Emergent	5
		Floating	10
Water Temperature (C)	20	Algae	10
Percent Silt / Organics	100	Total	95
Native Fish Species Collecte	ed:	Non-native Fish Specie	es Collected:
Oregon Chub	5	Western Mosquitofis	sh 21
Cottids		Bullheads	
Speckled Dace	8	Common Carp	
Redside Shiners	13	Bluegills	
Northern Pikeminnows	6	Largemouth Bass	
Largescale Suckers	1	Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks	225	Smallmouth Bass	
Salmonids ²		Banded Killifish	
Lamprey			
Chiselmouth		0.11	
		Other:	
NOTE: GRAVEL PIT ON M	FW ISLAND NEAR MF10, P/A		
	FW ISLAND NEAR MF10, P/A		
Site Name HAWS ENHAN	CEMENT POND	Map Code	HAW2H
Site Name HAWS ENHAN Basin MIDDLE FORK		Sampling Date	4/18/2017
Site Name HAWS ENHAN Basin MIDDLE FORK	CEMENT POND	•	
Site Name HAWS ENHAN Basin MIDDLE FORK Subbasin	CEMENT POND	Sampling Date	4/18/2017 539624 4843090
Site Name HAWS ENHAN Basin MIDDLE FORK Subbasin Surface Area (m2)	CEMENT POND WILLAMETTE RIVER	Sampling Date Location: Zone 10T	4/18/2017 539624 4843090
Site Name HAWS ENHAN Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m)	CEMENT POND WILLAMETTE RIVER 1200	Sampling Date Location: Zone 10T Types of aquatic veget	4/18/2017 539624 4843090 ation ¹
Site Name HAWS ENHAN Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	CEMENT POND WILLAMETTE RIVER 1200 1 2.3	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	4/18/2017 539624 4843090 ation ¹
Site Name Basin Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	CEMENT POND WILLAMETTE RIVER 1200 1 2.3 8.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	4/18/2017 539624 4843090 ation ¹ 20 20
Site Name Basin Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	CEMENT POND WILLAMETTE RIVER 1200 1 2.3	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	4/18/2017 539624 4843090 ation ¹ 20 20 50
Site Name Basin Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	1200 1 2.3 8.5 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	4/18/2017 539624 4843090 ation ¹ 20 20 50 10 100
Site Name HAWS ENHAN Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m)	1200 1 2.3 8.5 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	4/18/2017 539624 4843090 ation ¹ 20 20 50 10 100 es Collected:
Site Name Basin Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected	1200 1 2.3 8.5 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	4/18/2017 539624 4843090 ation ¹ 20 20 50 10 100 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub	1200 1 2.3 8.5 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	4/18/2017 539624 4843090 ation ¹ 20 20 50 10 100 es Collected:
Site Name Basin Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids	1200 1 2.3 8.5 70	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	4/18/2017 539624 4843090 ation ¹ 20 20 50 10 100 es Collected:
Site Name Basin Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace	1200 1 2.3 8.5 70 ed: 1949	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	4/18/2017 539624 4843090 ation ¹ 20 20 50 10 100 es Collected:
Site Name Basin Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners	1200 1 2.3 8.5 70 ed: 1949	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	4/18/2017 539624 4843090 ation ¹ 20 20 50 10 100 es Collected:
Site Name Basin Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	1200 1 2.3 8.5 70 ed: 1949	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	4/18/2017 539624 4843090 ation ¹ 20 20 50 10 100 es Collected:
Site Name Basin Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	1200 1 2.3 8.5 70 ed: 1949	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	4/18/2017 539624 4843090 ation ¹ 20 20 50 10 100 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	1200 1 2.3 8.5 70 ed: 1949	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/18/2017 539624 4843090 ation ¹ 20 20 50 10 100 es Collected:
Site Name Basin Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	1200 1 2.3 8.5 70 ed: 1949	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/18/2017 539624 4843090 ation ¹ 20 20 50 10 100 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	1200 1 2.3 8.5 70 ed: 1949	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/18/2017 539624 4843090 ation ¹ 20 20 50 10 100 es Collected:

Basin MIDDLE Fo	ND ORK WILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	HAW1L 4/18/2017 539840 4843110
Surface Area (m2)	1000	Types of aquatic veget	ration ¹
Average Depth (m)	1.5	Submergent	30
Maximum Depth (m)	2.5	Emergent	10
		Floating	0
Water Temperature (C)	9	Algae	60
Percent Silt / Organics	60	Total	100
Native Fish Species Col	lected:	Non-native Fish Specie	es Collected:
Oregon Chub	440	Western Mosquitofis	sh
Cottids		Bullheads	
Speckled Dace	243	Common Carp	
Redside Shiners	1018	Bluegills	
Northern Pikeminnows	S	Largemouth Bass	
Largescale Suckers		Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Stickleback	(S	Smallmouth Bass	
Salmonids ²		Banded Killifish	
Lamprey	3		
Chiselmouth		Otherm	
		Other:	
NOTE. DOD CCTIMAT			
NOTE: POP ESTIMAT	E, B. LAMP ONLY '17		
	E, B. LAMP ONLY '17 EEK POND	Map Code	HCP1I*
Site Name HILLS CRI		Map Code Sampling Date	HCP1I* 9/14/2017
Site Name HILLS CRI Basin MIDDLE F	EEK POND ORK WILLAMETTE RIVER	•	
Site Name HILLS CRI Basin MIDDLE F	EEK POND ORK WILLAMETTE RIVER	Sampling Date	9/14/2017 545969 4839951
Site Name HILLS CRI Basin MIDDLE For Subbasin HILLS CRE Surface Area (m2)	EEK POND ORK WILLAMETTE RIVER EEK	Sampling Date Location: Zone 10T Types of aquatic veget	9/14/2017 545969 4839951
Site Name HILLS CRI Basin MIDDLE Fo Subbasin HILLS CRI Surface Area (m2) Average Depth (m)	EEK POND ORK WILLAMETTE RIVER EEK 3000 0.2	Sampling Date Location: Zone 10T	9/14/2017 545969 4839951 Pation ¹
Site Name HILLS CRI Basin MIDDLE For Subbasin HILLS CRI Surface Area (m2) Average Depth (m) Maximum Depth (m)	EEK POND ORK WILLAMETTE RIVER EEK 3000	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	9/14/2017 545969 4839951 Fation ¹
Site Name HILLS CRI Basin MIDDLE Fo Subbasin HILLS CRI Surface Area (m2) Average Depth (m)	EEK POND ORK WILLAMETTE RIVER EEK 3000 0.2	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/14/2017 545969 4839951 Pation ¹ 25 20
Site Name HILLS CRI Basin MIDDLE FO Subbasin HILLS CRI Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	EEK POND ORK WILLAMETTE RIVER EEK 3000 0.2	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	9/14/2017 545969 4839951 Pation 1 25 20 25
Site Name HILLS CRI Basin MIDDLE For Subbasin HILLS CRI Surface Area (m2) Average Depth (m) Maximum Depth (m)	SEEK POND ORK WILLAMETTE RIVER SEEK 3000 0.2 0.4	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/14/2017 545969 4839951 Fation ¹ 25 20 25 5 75
Site Name HILLS CRI Basin MIDDLE FO Subbasin HILLS CRI Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	SEEK POND ORK WILLAMETTE RIVER SEEK 3000 0.2 0.4	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	9/14/2017 545969 4839951 Pation 1 25 20 25 5 75 es Collected:
Site Name HILLS CRI Basin MIDDLE Fo Subbasin HILLS CRE Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col	SEEK POND ORK WILLAMETTE RIVER SEEK 3000 0.2 0.4 100 lected:	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/14/2017 545969 4839951 Pation 1 25 20 25 5 75 es Collected:
Site Name HILLS CRI Basin MIDDLE Fo Subbasin HILLS CRE Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub	SEEK POND ORK WILLAMETTE RIVER SEEK 3000 0.2 0.4 100 lected:	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	9/14/2017 545969 4839951 Pation 1 25 20 25 5 75 es Collected:
Site Name HILLS CRI Basin MIDDLE Fo Subbasin HILLS CRE Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids	SEEK POND ORK WILLAMETTE RIVER SEEK 3000 0.2 0.4 100 lected:	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	9/14/2017 545969 4839951 Pation 1 25 20 25 5 75 es Collected:
Site Name HILLS CRI Basin MIDDLE FO Subbasin HILLS CRE Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace	3000 0.2 0.4 100 lected:	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/14/2017 545969 4839951 Pation 1 25 20 25 5 75 es Collected:
Site Name HILLS CRI Basin MIDDLE Fo Subbasin HILLS CRI Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace Redside Shiners	3000 0.2 0.4 100 lected:	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/14/2017 545969 4839951 Pation 1 25 20 25 5 75 es Collected:
Site Name HILLS CRI Basin MIDDLE Fo Subbasin HILLS CRI Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	3000 0.2 0.4 100 lected:	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/14/2017 545969 4839951 Pation 1 25 20 25 5 75 es Collected:
Site Name HILLS CRI Basin MIDDLE Fo Subbasin HILLS CRE Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	3000 0.2 0.4 100 lected: 310	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/14/2017 545969 4839951 Pation 1 25 20 25 5 75 es Collected:
Site Name HILLS CRI Basin MIDDLE Fo Subbasin HILLS CRI Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	3000 0.2 0.4 100 lected: 310	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/14/2017 545969 4839951 Pation 1 25 20 25 5 75 es Collected:
Site Name HILLS CRI Basin MIDDLE Fo Subbasin HILLS CRE Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Stickleback	3000 0.2 0.4 100 lected: 310	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/14/2017 545969 4839951 Pation 1 25 20 25 5 75 es Collected:
Site Name HILLS CRI Basin MIDDLE Fo Subbasin HILLS CRE Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Col Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Stickleback Salmonids ²	3000 0.2 0.4 100 lected: 310	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/14/2017 545969 4839951 Pation 1 25 20 25 5 75 es Collected:

Basin MIDDLE FORK WIL Subbasin	LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	HIPPO1A* 8/15/2017 511116 4867654
Surface Area (m2)	1000	Types of aquatic veget	ation ¹
Average Depth (m)	1	Submergent	60
Maximum Depth (m)	2	Emergent	10
		Floating	10
Water Temperature (C)	18	Algae	20
Percent Silt / Organics	90	Total	100
Native Fish Species Collected:		Non-native Fish Specie	es Collected:
Oregon Chub	20	Western Mosquitofis	sh
Cottids	10	Bullheads	
Speckled Dace	350	Common Carp	
Redside Shiners	58	Bluegills	
Northern Pikeminnows	5	Largemouth Bass	
Largescale Suckers	1	Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks	60	Smallmouth Bass	
Salmonids ²		Banded Killifish	
Lamprey			
Chiselmouth		Other	
		Other:	
NOTE: DOD EST ONLY DNS A	DEV CVMDLED		
NOTE: POP EST, ONLY DNS A	AREA SAMPLED		
NOTE: POP EST, ONLY DNS A Site Name HOSPITAL IMPOUI		Map Code	HI1V
Site Name HOSPITAL IMPOUI	NDMENT POND	Sampling Date	HI1V 4/21/2017
Site Name HOSPITAL IMPOUI	NDMENT POND		
Site Name HOSPITAL IMPOUI	NDMENT POND	Sampling Date	4/21/2017 533050 4851500
Site Name HOSPITAL IMPOUI Basin MIDDLE FORK WIL Subbasin	NDMENT POND LAMETTE RIVER	Sampling Date Location: Zone 10T	4/21/2017 533050 4851500
Site Name HOSPITAL IMPOUI Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m)	NDMENT POND LAMETTE RIVER 1768 1	Sampling Date Location: Zone 10T Types of aquatic veget	4/21/2017 533050 4851500
Site Name HOSPITAL IMPOUI Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	NDMENT POND LAMETTE RIVER 1768 1 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	4/21/2017 533050 4851500 Fation ¹
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	1768 1 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	4/21/2017 533050 4851500 ration ¹ 25 60
Site Name HOSPITAL IMPOUI Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	NDMENT POND LAMETTE RIVER 1768 1 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	4/21/2017 533050 4851500 ration ¹ 25 60 5
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	1768 1 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	4/21/2017 533050 4851500 Fation ¹ 25 60 5 5 95
Site Name Basin Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	1768 1 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	4/21/2017 533050 4851500 eation 1 25 60 5 95 es Collected:
Site Name Basin Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	1768 1 1.5 10 50	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	4/21/2017 533050 4851500 eation 1 25 60 5 95 es Collected:
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	1768 1 1.5 10 50	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	4/21/2017 533050 4851500 eation 1 25 60 5 95 es Collected:
Site Name Basin Bubbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	1768 1 1.5 10 50	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	4/21/2017 533050 4851500 eation 1 25 60 5 95 es Collected:
Site Name Basin Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	1768 1 1.5 10 50	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	4/21/2017 533050 4851500 eation 1 25 60 5 95 es Collected:
Site Name Basin Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	1768 1 1.5 10 50 303 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	4/21/2017 533050 4851500 eation 1 25 60 5 95 es Collected:
Site Name Basin Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	1768 1 1.5 10 50 303 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	4/21/2017 533050 4851500 eation 1 25 60 5 95 es Collected:
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	1768 1 1.5 10 50 303 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	4/21/2017 533050 4851500 eation 1 25 60 5 95 es Collected:
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	1768 1 1.5 10 50 303 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/21/2017 533050 4851500 ation 1 25 60 5 95 es Collected:
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	1768 1 1.5 10 50 303 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/21/2017 533050 4851500 ation 1 25 60 5 95 es Collected:
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	1768 1 1.5 10 50 303 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/21/2017 533050 4851500 ation 1 25 60 5 5 95 es Collected:

Basin MIDDLE FORK WII Subbasin	LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	HSP1Y 4/11/2017 533116	4851526
Surface Area (m2)	5000	Types of aquatic veget	tation ¹	
Average Depth (m)	2	Submergent		5
Maximum Depth (m)	3	Emergent		5
		Floating		0
Water Temperature (C)	8	Algae		60
Percent Silt / Organics	90	Total		70
Native Fish Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Chub	2336	Western Mosquitofis	sh	
Cottids		Bullheads		
Speckled Dace		Common Carp		
Redside Shiners	548	Bluegills		
Northern Pikeminnows		Largemouth Bass		
Largescale Suckers		Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks		Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey				
Chiselmouth		Other:		
	TE ACOE DADTNEDING	Other:		
NOTE: POPLILATION ESTIMA				
NOTE: POPULATION ESTIMA	TE, ACOLT ARTIVERNING			
	TE, ACCET ANTIVERING	Map Code	INDI1	
Site Name INDIGO SLOUGH		Sampling Date	5/15/2017	
Site Name INDIGO SLOUGH Basin MIDDLE FORK WII				4866033
Site Name INDIGO SLOUGH Basin MIDDLE FORK WII Subbasin		Sampling Date	5/15/2017 512704	4866033
Site Name INDIGO SLOUGH Basin MIDDLE FORK WII Subbasin Surface Area (m2)	LAMETTE RIVER	Sampling Date Location: Zone 10T	5/15/2017 512704	4866033
Site Name Basin Subbasin Surface Area (m2) Average Depth (m)	LLAMETTE RIVER 6000	Sampling Date Location: Zone 10T Types of aquatic veget	5/15/2017 512704	
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	LLAMETTE RIVER 6000 1 2	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	5/15/2017 512704	0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	6000 1 2 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	5/15/2017 512704	0 10
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	LLAMETTE RIVER 6000 1 2	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	5/15/2017 512704	0 10 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	6000 1 2 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	5/15/2017 512704 cation ¹	0 10 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	6000 1 2 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	5/15/2017 512704 cation ¹	0 10 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	6000 1 2 10 15	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	5/15/2017 512704 cation ¹	0 10 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	6000 1 2 10 15	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	5/15/2017 512704 cation ¹	0 10 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	6000 1 2 10 15	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	5/15/2017 512704 cation ¹	0 10 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	6000 1 2 10 15	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	5/15/2017 512704 cation ¹	0 10 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	6000 1 2 10 15	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	5/15/2017 512704 cation ¹	0 10 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	10 15 27 1 1 1 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	5/15/2017 512704 cation ¹	0 10 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	10 15 27 1 1 1 1 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	5/15/2017 512704 cation ¹	0 10 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	10 15 27 1 1 1 1 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	5/15/2017 512704 cation ¹	0 10 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	10 15 27 1 1 1 1 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/15/2017 512704 cation ¹	0 10 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	10 15 27 1 1 1 1 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/15/2017 512704 cation ¹	0 10 0

Basin MIDDLE FORK WIL Subbasin	DUGH LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	CAP1Q 4/19/2017 507645	4870563
Surface Area (m2)	6000	Types of aquatic veget	ation ¹	
Average Depth (m)	0.3	Submergent		10
Maximum Depth (m)	1	Emergent		55
Water Temperature (C)	10	Floating		5
		Algae		20
Percent Silt / Organics	90	Total		90
Native Fish Species Collected:		Non-native Fish Specie	s Collected:	
Oregon Chub	1	Western Mosquitofis	h	
Cottids		Bullheads		
Speckled Dace	87	Common Carp		
Redside Shiners	5	Bluegills		1
Northern Pikeminnows		Largemouth Bass		
Largescale Suckers	1	Pumpkinseeds		1
Sand Rollers		Crappies		
Threespine Sticklebacks	10	Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey Chiselmouth		Others		
		Other:		
NOTE: P/A, MINNOW TRAPS (DN			
Site Name LOST CREEK CON	FLUENCE SLOUGH	Map Code	EB32D*	
Site Name LOST CREEK CON Basin MIDDLE FORK WIL	FLUENCE SLOUGH	Sampling Date	8/9/2017	4966000
Site Name LOST CREEK CON Basin MIDDLE FORK WIL	FLUENCE SLOUGH	•		4866000
Site Name LOST CREEK CON Basin MIDDLE FORK WIL	FLUENCE SLOUGH	Sampling Date	8/9/2017 512197	4866000
Site Name Basin Subbasin LOST CREEK CON MIDDLE FORK WIL LOST CREEK	FLUENCE SLOUGH LAMETTE RIVER	Sampling Date Location: Zone 10T	8/9/2017 512197	4866000
Site Name Basin Subbasin LOST CREEK CON LOST CREEK Surface Area (m2) Average Depth (m)	FLUENCE SLOUGH LAMETTE RIVER 800	Sampling Date Location: Zone 10T Types of aquatic veget	8/9/2017 512197	
Site Name Basin MIDDLE FORK WIL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m)	FLUENCE SLOUGH LAMETTE RIVER 800 0.5 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	8/9/2017 512197	60
Site Name Basin MIDDLE FORK WIL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	FLUENCE SLOUGH LAMETTE RIVER 800 0.5 1 16	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	8/9/2017 512197	60 20
Site Name Basin MIDDLE FORK WIL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	FLUENCE SLOUGH LAMETTE RIVER 800 0.5 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	8/9/2017 512197	60 20 0
Site Name Basin Subbasin LOST CREEK CON LOST CREEK Surface Area (m2) Average Depth (m)	FLUENCE SLOUGH LAMETTE RIVER 800 0.5 1 16	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	8/9/2017 512197 ation ¹	60 20 0 0
Site Name Basin MIDDLE FORK WILL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	FLUENCE SLOUGH LAMETTE RIVER 800 0.5 1 16	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	8/9/2017 512197 ation ¹	60 20 0 0
Site Name Basin MIDDLE FORK WIL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	FLUENCE SLOUGH LAMETTE RIVER 800 0.5 1 16 80	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	8/9/2017 512197 ation ¹	60 20 0 0
Site Name Basin MIDDLE FORK WILL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	800 0.5 1 16 800	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	8/9/2017 512197 ation ¹	60 20 0 0
Site Name Basin MIDDLE FORK WIL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	800 0.5 1 16 800 706	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	8/9/2017 512197 ation ¹	60 20 0 0
Site Name Basin MIDDLE FORK WILL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	## FLUENCE SLOUGH LAMETTE RIVER	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	8/9/2017 512197 ation ¹	60 20 0 0 80
Site Name Basin MIDDLE FORK WILL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	## FLUENCE SLOUGH LAMETTE RIVER	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	8/9/2017 512197 ation ¹	60 20 0 0 80
Site Name Basin MIDDLE FORK WILL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	800 0.5 1 16 800 706 14 962 18	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	8/9/2017 512197 ation ¹	60 20 0 0 80
Site Name Basin MIDDLE FORK WILL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	800 0.5 1 16 800 706 14 962 18	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	8/9/2017 512197 ation ¹	60 20 0 0 80
Site Name Basin MIDDLE FORK WILL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	800 0.5 1 16 800 706 14 962 18	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	8/9/2017 512197 ation ¹	60 20 0 0 80
Site Name Basin MIDDLE FORK WILL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	800 0.5 1 16 800 706 14 962 18	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/9/2017 512197 ation ¹	60 20 0 0 80
Site Name Basin MIDDLE FORK WILL Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	800 0.5 1 16 800 706 14 962 18	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/9/2017 512197 ation ¹	60 20 0 0 80

Basin Subbasin	MIDDLE FORK WILL BUCKHEAD CREE		Map Code Sampling Date Location: Zone 10T	BCK14P 5/9/2017 536756	4848594
Jubbasiii	BOCKILAD CILL	IX	Location. Zone 101	330730	4040394
Surface Area	a (m2)	540	Types of aquatic veget	ation ¹	
Average Dep	oth (m)	1	Submergent		60
Maximum De	epth (m)	1.7	Emergent		15
Water Tempe		17	Floating		10
•	• •		Algae		10
Percent Silt /	Organics	85	Total		95
Native Fish S	Species Collected:		Non-native Fish Specie	s Collected:	:
Oregon Ch	nub	504	Western Mosquitofis	h	
Cottids			Bullheads		
Speckled [Dace		Common Carp		
Redside S	hiners	19	Bluegills		
Northern I	Pikeminnows	6	Largemouth Bass		
Largescale	e Suckers	9	Pumpkinseeds		
Sand Rolle	ers		Crappies		
Threespine	e Sticklebacks		Smallmouth Bass		
Salmonids	; ²		Banded Killifish		
Lamprey					
Chiselmou	ıth		Othorn		
NOTE: OD	DFW+USFS		Other:		
NOTE: OL)FW+U3F3				
Site Name	MIDDLE BUCKHE	AD ENHANCEMENT PD	Map Code	BCK15P	
Basin	MIDDLE FORK WIL		Sampling Date	5/9/2017	
Subbasin	BUCKHEAD CREE	K	Location: Zone 10T	537069	4848494
Surface Area	ı (m2)	600	Types of aquatic veget	ation ¹	
Average Dep	oth (m)	1.2	Submergent		60
Maximum De	enth (m)	2	Emergent		20
			Floating		0
Water Tempe	erature (C)	16	Algae		5
	Organics	20	Total		85
Percent Silt /	9				
	Species Collected:		Non-native Fish Specie	s Collected:	:
	Species Collected:	670			:
Native Fish \$	Species Collected:	670 1	Non-native Fish Specie		:
Native Fish S	Species Collected:		Non-native Fish Specie Western Mosquitofis		:
Native Fish Soregon Ch Cottids	Species Collected: nub Dace	1	Non-native Fish Specie Western Mosquitofis Bullheads		:
Oregon Ch Cottids Speckled [Redside S	Species Collected: nub Dace	1 132	Non-native Fish Specie Western Mosquitofis Bullheads Common Carp		•
Oregon Ch Cottids Speckled [Redside S	Species Collected: hub Dace shiners Pikeminnows	1 132	Non-native Fish Species Western Mosquitofis Bullheads Common Carp Bluegills		
Oregon Ch Cottids Speckled I Redside S Northern	Species Collected: hub Dace chiners Pikeminnows e Suckers	1 132 77	Non-native Fish Species Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass		:
Oregon Cr Cottids Speckled I Redside S Northern F Largescale Sand Rolle	Species Collected: hub Dace chiners Pikeminnows e Suckers	1 132 77	Non-native Fish Species Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds		
Oregon Ch Cottids Speckled I Redside S Northern F Largescale Sand Rolle	Species Collected: hub Dace chiners Pikeminnows e Suckers ers e Sticklebacks	1 132 77	Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies		
Oregon Ch Cottids Speckled I Redside S Northern F Largescale Sand Rolle Threespine	Species Collected: hub Dace chiners Pikeminnows e Suckers ers e Sticklebacks	1 132 77	Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass		

Basin MIDDI Subbasin	LE FK. W. BACKWATEF LE FORK WILLAMETTE		Map Code Sampling Date Location: Zone 10	9/0	F18* 6/2017 04143	4873929
Surface Area (m2)	1:	500	Types of aquatic v	vegetation	1 1	
Average Depth (m)		0.3	Submergent			20
Maximum Depth (m)		0.5	Emergent			20
	C)	0.0	Floating			5
Water Temperature (•		Algae			10
Percent Silt / Organio	CS .	20	Total			55
Native Fish Species	Collected:		Non-native Fish S	pecies Co	llected:	
Oregon Chub	(0	Western Mosqu	uitofish		1
Cottids		5	Bullheads			
Speckled Dace	1-	4	Common Carp			
Redside Shiners			Bluegills			1
Northern Pikemin	nows 1	1	Largemouth Ba	SS		
Largescale Sucke	rs	1	Pumpkinseeds			
Sand Rollers			Crappies			
Threespine Stickle	backs 9	3	Smallmouth Bas	SS		
Salmonids ²			Banded Killifish			
Lamprey						
Chiselmouth			Other:			
			Other.			
NOTE: LG SLOUG	SH 715 M UPS FROM C	LEARWATER				
	GH 715 M UPS FROM C					
Site Name MIDDI	E FK. W. BACKWATER	₹	Map Code		F18*	
Site Name MIDDI Basin MIDDI		₹	Sampling Date	9/0	6/2017	4070000
Site Name MIDDI Basin MIDDI	E FK. W. BACKWATER	₹	•	9/0		4873933
Site Name MIDDI Basin MIDDI Subbasin	LE FK. W. BACKWATEF LE FORK WILLAMETTE	₹	Sampling Date	9/0 0T 50	6/2017 04069	4873933
Site Name MIDDI	LE FK. W. BACKWATEF LE FORK WILLAMETTE	R RIVER	Sampling Date Location: Zone 10	9/0 0T 50	6/2017 04069	4873933
Site Name MIDDI Basin MIDDI Subbasin Surface Area (m2) Average Depth (m)	LE FK. W. BACKWATEF LE FORK WILLAMETTE	RIVER 200 0.3	Sampling Date Location: Zone 10 Types of aquatic v	9/0 0T 50	6/2017 04069	
Site Name MIDDI Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	E FK. W. BACKWATEF E FORK WILLAMETTE	RIVER	Sampling Date Location: Zone 10 Types of aquatic v Submergent	9/0 0T 50	6/2017 04069	30
Site Name MIDDI Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (E FK. W. BACKWATER E FORK WILLAMETTE	R RIVER 200 0.3 0.5	Sampling Date Location: Zone 10 Types of aquatic v Submergent Emergent	9/0 0T 50	6/2017 04069	30 30
Site Name MIDDI Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (E FK. W. BACKWATER E FORK WILLAMETTE	RIVER 200 0.3	Sampling Date Location: Zone 10 Types of aquatic v Submergent Emergent Floating	9/0 0T 50	6/2017 04069	30 30 0
Site Name MIDDI Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (Percent Silt / Organic	LE FK. W. BACKWATER LE FORK WILLAMETTE C)	R RIVER 200 0.3 0.5	Sampling Date Location: Zone 10 Types of aquatic v Submergent Emergent Floating Algae	9/0T 50	6/2017 04069	30 30 0 0
Site Name MIDDI Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (Percent Silt / Organic	LE FK. W. BACKWATER LE FORK WILLAMETTE C) Cs Collected:	R RIVER 200 0.3 0.5	Sampling Date Location: Zone 10 Types of aquatic of Submergent Emergent Floating Algae Total	9/0T 50 vegetation	6/2017 04069	30 30 0 0
Site Name MIDDI Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (Percent Silt / Organic	LE FK. W. BACKWATER LE FORK WILLAMETTE C) Cs Collected:	R RIVER 200 0.3 0.5	Sampling Date Location: Zone 10 Types of aquatic v Submergent Emergent Floating Algae Total Non-native Fish S	9/0T 50 vegetation	6/2017 04069	30 30 0 0
Site Name Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (Percent Silt / Organic Native Fish Species Oregon Chub	LE FK. W. BACKWATER LE FORK WILLAMETTE C) Cs Collected:	R RIVER 200 0.3 0.5	Sampling Date Location: Zone 10 Types of aquatic v Submergent Emergent Floating Algae Total Non-native Fish S Western Mosqu	9/0T 50 vegetation	6/2017 04069	30 30 0 0
Site Name MIDDI Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (Percent Silt / Organic Native Fish Species Oregon Chub Cottids	LE FK. W. BACKWATER LE FORK WILLAMETTE C) Cs Collected:	R RIVER 200 0.3 0.5	Sampling Date Location: Zone 10 Types of aquatic v Submergent Emergent Floating Algae Total Non-native Fish S Western Mosqu Bullheads	9/0T 50 vegetation	6/2017 04069	30 30 0 0
Site Name MIDDI Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (Percent Silt / Organic Native Fish Species Oregon Chub Cottids Speckled Dace	E FK. W. BACKWATER E FORK WILLAMETTE C) CS COllected:	R RIVER 200 0.3 0.5	Sampling Date Location: Zone 10 Types of aquatic of Submergent Emergent Floating Algae Total Non-native Fish S Western Mosqu Bullheads Common Carp	9// 0T 50 vegetation	6/2017 04069	30 30 0 0
Site Name MIDDI Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (Percent Silt / Organic Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners	LE FK. W. BACKWATER LE FORK WILLAMETTE C) C) Cs Collected:	R RIVER 200 0.3 0.5	Sampling Date Location: Zone 10 Types of aquatic of Submergent Emergent Floating Algae Total Non-native Fish S Western Mosqu Bullheads Common Carp Bluegills	9// 0T 50 vegetation	6/2017 04069	30 30 0 0
Site Name Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (Percent Silt / Organic Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikemin	LE FK. W. BACKWATER LE FORK WILLAMETTE C) C) Cs Collected:	R RIVER 200 0.3 0.5	Sampling Date Location: Zone 10 Types of aquatic of Submergent Emergent Floating Algae Total Non-native Fish S Western Mosqu Bullheads Common Carp Bluegills Largemouth Bar	9// 0T 50 vegetation	6/2017 04069	30 30 0 0
Site Name Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (Percent Silt / Organic Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikemin Largescale Sucke	E FK. W. BACKWATER LE FORK WILLAMETTE C) Cs Collected:	R RIVER 200 0.3 0.5	Sampling Date Location: Zone 10 Types of aquatic v Submergent Emergent Floating Algae Total Non-native Fish S Western Mosqu Bullheads Common Carp Bluegills Largemouth Bar Pumpkinseeds	9// 0T 50 vegetation	6/2017 04069	30 30 0 0
Site Name Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (Percent Silt / Organic Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikemin Largescale Sucke Sand Rollers	E FK. W. BACKWATER LE FORK WILLAMETTE C) Cs Collected:	R RIVER 200 0.3 0.5 40	Sampling Date Location: Zone 10 Types of aquatic v Submergent Emergent Floating Algae Total Non-native Fish S Western Mosqu Bullheads Common Carp Bluegills Largemouth Bat Pumpkinseeds Crappies	9/0T 50 vegetation species Co	6/2017 04069	30 30 0 0
Site Name Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (Percent Silt / Organic Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikemin Largescale Sucke Sand Rollers Threespine Stickle	E FK. W. BACKWATER LE FORK WILLAMETTE C) Cs Collected:	R RIVER 200 0.3 0.5 40	Sampling Date Location: Zone 10 Types of aquatic of Submergent Emergent Floating Algae Total Non-native Fish S Western Mosqu Bullheads Common Carp Bluegills Largemouth Base Pumpkinseeds Crappies Smallmouth Base	9/0T 50 vegetation species Co	6/2017 04069	30 30 0 0
Site Name Basin MIDDI Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (Percent Silt / Organic Native Fish Species Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikemin Largescale Sucke Sand Rollers Threespine Stickle Salmonids ²	E FK. W. BACKWATER LE FORK WILLAMETTE C) Cs Collected:	R RIVER 200 0.3 0.5 40	Sampling Date Location: Zone 10 Types of aquatic of Submergent Emergent Floating Algae Total Non-native Fish S Western Mosqu Bullheads Common Carp Bluegills Largemouth Base Pumpkinseeds Crappies Smallmouth Base	9/0T 50 vegetation species Co	6/2017 04069	30 30 0 0

Basin		EEK DIVERSION LLAMETTE RIVER	Map Code Sampling Date	SALT3B 5/4/2017	
Subbasin	SALT CREEK		Location: Zone 10T	545065	4841880
Surface Area	a (m2)	1000	Types of aquatic veget	ation ¹	
Average Dep	oth (m)	0.3	Submergent		80
Maximum De		0.75	Emergent		10
		0.70	Floating		0
Water Temp	erature (C)		Algae		5
Percent Silt /	/ Organics	90	Total		95
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Cl	hub	9	Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled	Dace	100	Common Carp		
Redside S	Shiners	10	Bluegills		
Northern	Pikeminnows		Largemouth Bass		
Largescal	e Suckers		Pumpkinseeds		
Sand Roll	ers		Crappies		
Threespin	e Sticklebacks		Smallmouth Bass		
Salmonide			Banded Killifish		
Lamprey					
Chiselmou	uth		Other		
			Other:		
JOTE: OF	DEWITTEE DIV ON	ıv			
NOTE: O	DFW+USFS, P/A ON	LY			
NOTE: OI	MIDDLE-LOWER I	BUCKHEAD ENH PD	Map Code	BCK15P	
Site Name	MIDDLE-LOWER I		Sampling Date	BCK15P 5/9/2017	
Site Name Basin	MIDDLE-LOWER I	BUCKHEAD ENH PD LLAMETTE RIVER			4848536
	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE	BUCKHEAD ENH PD LLAMETTE RIVER	Sampling Date	5/9/2017 537025	4848536
Site Name Basin Subbasin	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE	BUCKHEAD ENH PD LLAMETTE RIVER K	Sampling Date Location: Zone 10T	5/9/2017 537025	4848536
Site Name Basin Subbasin Surface Area Average Dep	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) oth (m)	BUCKHEAD ENH PD LLAMETTE RIVER EK 550 1	Sampling Date Location: Zone 10T Types of aquatic veget	5/9/2017 537025	
Site Name Basin Subbasin Surface Area Average Dep Maximum De	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) oth (m) epth (m)	BUCKHEAD ENH PD LLAMETTE RIVER EK 550 1 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	5/9/2017 537025	60
Site Name Basin Subbasin Surface Area Average Dep Maximum De	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C)	BUCKHEAD ENH PD LLAMETTE RIVER EK 550 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	5/9/2017 537025	60 20
Site Name Basin Subbasin Surface Area Average Dep Maximum De	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C)	BUCKHEAD ENH PD LLAMETTE RIVER EK 550 1 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	5/9/2017 537025	60 20 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C)	BUCKHEAD ENH PD LLAMETTE RIVER EK 550 1 1.5 14.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	5/9/2017 537025 ation ¹	60 20 10 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	BUCKHEAD ENH PD LLAMETTE RIVER EK 550 1 1.5 14.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	5/9/2017 537025 ation ¹	60 20 10 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt /	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	SUCKHEAD ENH PD LLAMETTE RIVER EK 550 1 1.5 14.5 20	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	5/9/2017 537025 ation ¹	60 20 10 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	550 1 1.5 14.5 20	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	5/9/2017 537025 ation ¹	60 20 10 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub	550 1 1.5 14.5 20	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	5/9/2017 537025 ation ¹	60 20 10 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub	550 1 1.5 14.5 20 182 4 183	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	5/9/2017 537025 ation ¹	60 20 10 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows	550 1 1.5 14.5 20 182 4 183	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	5/9/2017 537025 ation ¹	60 20 10 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	550 1 1.5 14.5 20 182 4 183 89	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	5/9/2017 537025 ation ¹	60 20 10 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S Northern Largescale Sand Rolle	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	550 1 1.5 14.5 20 182 4 183 89	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	5/9/2017 537025 ation ¹	60 20 10 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S Northern Largescale Sand Rolle	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	550 1 1.5 14.5 20 182 4 183 89	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	5/9/2017 537025 ation ¹	60 20 10 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	550 1 1.5 14.5 20 182 4 183 89	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/9/2017 537025 ation ¹	60 20 10 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	MIDDLE-LOWER I MIDDLE FORK WI BUCKHEAD CREE a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks s 2	550 1 1.5 14.5 20 182 4 183 89	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/9/2017 537025 ation ¹	60 20 10 10

Basin MIDDLE FORK W Subbasin	UGH /ILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	OSTP1U 4/13/2017 540294	4843284
Surface Area (m2)	4800	Types of aquatic veget	ation ¹	
Average Depth (m)	0.15	Submergent		50
Maximum Depth (m)	0.35	Emergent		35
		Floating		0
Water Temperature (C)	8	Algae		5
Percent Silt / Organics	100	Total		90
Native Fish Species Collected	:	Non-native Fish Specie	es Collected	:
Oregon Chub	2	Western Mosquitofis	sh	
Cottids		Bullheads		
Speckled Dace	2	Common Carp		
Redside Shiners	3	Bluegills		
Northern Pikeminnows		Largemouth Bass		
Largescale Suckers		Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks		Smallmouth Bass		
Salmonids ² CT	6	Banded Killifish		
Lamprey Chiselmouth				
		Other:		
NOTE: ONLY LOWER FND S	SAMPLED			
NOTE: ONLY LOWER END S	SAMPLED			
Site Name PENGRA ISLANI	SLOUGH	Map Code	MF9J*	
Site Name PENGRA ISLANI Basin MIDDLE FORK W		Sampling Date	8/9/2017	
Site Name PENGRA ISLANI Basin MIDDLE FORK W	SLOUGH	•		4866918
Site Name PENGRA ISLANI Basin MIDDLE FORK W Subbasin	SLOUGH	Sampling Date	8/9/2017 511171	4866918
Site Name PENGRA ISLANI Basin MIDDLE FORK W Subbasin Surface Area (m2)	O SLOUGH /ILLAMETTE RIVER	Sampling Date Location: Zone 10T	8/9/2017 511171	4866918
Site Name Basin Subbasin Surface Area (m2) Average Depth (m)	O SLOUGH //ILLAMETTE RIVER 840	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	8/9/2017 511171	
Site Name PENGRA ISLANI Basin MIDDLE FORK W Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	SLOUGH VILLAMETTE RIVER 840 0.5 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	8/9/2017 511171	5 20 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	SLOUGH /ILLAMETTE RIVER 840 0.5 1.5 18	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	8/9/2017 511171	5 20 5 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	SLOUGH VILLAMETTE RIVER 840 0.5 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	8/9/2017 511171	5 20 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	840 0.5 1.5 18 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	8/9/2017 511171 cation ¹	5 20 5 5 35
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	840 0.5 1.5 18 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	8/9/2017 511171 Eation ¹	5 20 5 5 35
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected	840 0.5 1.5 18 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	8/9/2017 511171 Eation ¹	5 20 5 5 35
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub	840 0.5 1.5 18 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	8/9/2017 511171 Eation ¹	5 20 5 5 35
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids	840 0.5 1.5 18 10 :	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	8/9/2017 511171 Eation ¹	5 20 5 5 35
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace	840 0.5 1.5 18 10 :	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	8/9/2017 511171 Eation ¹	5 20 5 5 35
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners	840 0.5 1.5 18 10 : 225 12 719 320	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	8/9/2017 511171 Eation ¹	5 20 5 5 35
Site Name Basin Basin MIDDLE FORK W Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	840 0.5 1.5 18 10 : 225 12 719 320 30	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	8/9/2017 511171 Eation ¹	5 20 5 5 35
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	840 0.5 1.5 18 10 : 225 12 719 320 30	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	8/9/2017 511171 Eation ¹	5 20 5 5 35
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	840 0.5 1.5 18 10 : 225 12 719 320 30 12	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	8/9/2017 511171 Eation ¹	5 20 5 5 35
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	840 0.5 1.5 18 10 : 225 12 719 320 30 12	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/9/2017 511171 Eation ¹	5 20 5 5 35
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	840 0.5 1.5 18 10 : 225 12 719 320 30 12 365	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/9/2017 511171 Eation ¹	5 20 5 5 35

Site Name PENGRA OX	BOW SLOUGH	Map Code	MF13I*
Basin MIDDLE FOR	K WILLAMETTE RIVER	Sampling Date	8/9/2017
Subbasin		Location: Zone 10T	510924 4867032
Surface Area (m2)	1000	Types of aquatic vegeta	tion ¹
Average Depth (m)	0.6	Submergent	50
Maximum Depth (m)	1.2	Emergent	20
Water Temperature (C)	24	Floating	10
		Algae	10
Percent Silt / Organics	30	Total	90
Native Fish Species Collec	ted:	Non-native Fish Species	s Collected:
Oregon Chub	1	Western Mosquitofish	1000
Cottids	4	Bullheads	7
Speckled Dace		Common Carp	
Redside Shiners	2	Bluegills	4
Northern Pikeminnows	3	Largemouth Bass	
Largescale Suckers	11	Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks		Smallmouth Bass	
Salmonids ²		Banded Killifish	
Lamprey			
Chiselmouth		Othory	
	OPLAIN STUDY SITE	Other:	
	OPLAIN STUDY SITE		
NOTE: POP EST, FLOOR	LOUGH	Map Code	POTA1A*
NOTE: POP EST, FLOOI Site Name POTAMUS S Basin MIDDLE FOR		Map Code Sampling Date	8/24/2017
NOTE: POP EST, FLOOI Site Name POTAMUS S Basin MIDDLE FOR	LOUGH	Map Code	
NOTE: POP EST, FLOOR	LOUGH	Map Code Sampling Date	8/24/2017 510968 4867972
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin	L OUGH K WILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	8/24/2017 510968 4867972
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2)	L OUGH K WILLAMETTE RIVER 5250	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta	8/24/2017 510968 4867972 tion ¹
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	LOUGH K WILLAMETTE RIVER 5250 0.5 2	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent	8/24/2017 510968 4867972 tion ¹
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	LOUGH K WILLAMETTE RIVER 5250 0.5 2 17	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent	8/24/2017 510968 4867972 tion ¹ 30 30
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	LOUGH K WILLAMETTE RIVER 5250 0.5 2	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating	8/24/2017 510968 4867972 tion ¹ 30 30 5
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m)	5250 0.5 2 17 30	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae	8/24/2017 510968 4867972 tion ¹ 30 30 5 10 75
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	5250 0.5 2 17 30	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total	8/24/2017 510968 4867972 tion ¹ 30 30 5 10 75 s Collected:
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect	S250 0.5 2 17 30	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species	8/24/2017 510968 4867972 tion ¹ 30 30 5 10 75 s Collected:
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect Oregon Chub	5250 0.5 2 17 30	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish	8/24/2017 510968 4867972 tion ¹ 30 30 5 10 75 s Collected:
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect Oregon Chub Cottids	5250 0.5 2 17 30 eted:	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills	8/24/2017 510968 4867972 tion ¹ 30 30 5 10 75 s Collected:
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect Oregon Chub Cottids Speckled Dace	5250 0.5 2 17 30 eted: 250 4	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills Largemouth Bass	8/24/2017 510968 4867972 tion ¹ 30 30 5 10 75 s Collected:
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect Oregon Chub Cottids Speckled Dace Redside Shiners	5250 0.5 2 17 30 eted: 250 4 460 33	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	8/24/2017 510968 4867972 tion ¹ 30 30 5 10 75 s Collected:
Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	5250 0.5 2 17 30 eted: 250 4 460 33 226	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills Largemouth Bass	8/24/2017 510968 4867972 tion ¹ 30 30 5 10 75 s Collected:
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	5250 0.5 2 17 30 eted: 250 4 460 33 226	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	8/24/2017 510968 4867972 tion ¹ 30 30 5 10 75 s Collected:
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	5250 0.5 2 17 30 sted: 250 4 460 33 226 9	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	8/24/2017 510968 4867972 tion ¹ 30 30 5 10 75 s Collected:
NOTE: POP EST, FLOOR Site Name POTAMUS S Basin MIDDLE FOR Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	5250 0.5 2 17 30 sted: 250 4 460 33 226 9	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofish Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	8/24/2017 510968 4867972 tion ¹ 30 30 5 10 75 s Collected:

	E SLOUGH	Map Code	MF10J*
Basin MIDDLE FORK WIL	LAMETTE RIVER	Sampling Date	8/17/2017
Subbasin		Location: Zone 10T	508824 4869188
Surface Area (m2)	1560	Types of aquatic veget	ation ¹
Average Depth (m)	0.75	Submergent	20
Maximum Depth (m)	1	Emergent	20
Water Temperature (C)	17	Floating	0
		Algae	0
Percent Silt / Organics	10	Total	40
Native Fish Species Collected:		Non-native Fish Specie	es Collected:
Oregon Chub	32	Western Mosquitofis	h 1
Cottids	12	Bullheads	1
Speckled Dace	196	Common Carp	
Redside Shiners	861	Bluegills	60
Northern Pikeminnows	351	Largemouth Bass	
Largescale Suckers	19	Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks	145	Smallmouth Bass	
Salmonids ² CT	2	Banded Killifish	
Lamprey	3		
Chiselmouth		Other:	RSS/SD=1
NOTE: DOD EST ELOODDI AL	N SITE, P. LAMP		
NOTE: POP EST, FLOODPLAI			
·	·		
Site Name SHADY DELL PON	D	Map Code	SDP1X
Site Name SHADY DELL PON Basin MIDDLE FORK WIL	D	Sampling Date	5/4/2017
Site Name SHADY DELL PON Basin MIDDLE FORK WIL	D		_
Site Name SHADY DELL PON	D	Sampling Date	5/4/2017 536711 4848284
Site Name Basin MIDDLE FORK WIL Subbasin	LAMETTE RIVER	Sampling Date Location: Zone 10T	5/4/2017 536711 4848284
Site Name SHADY DELL PON Basin MIDDLE FORK WIL Subbasin Surface Area (m2)	LAMETTE RIVER	Sampling Date Location: Zone 10T Types of aquatic veget	5/4/2017 536711 4848284 ation ¹
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	840 0.75 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	5/4/2017 536711 4848284 ation ¹
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	840 0.75 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	5/4/2017 536711 4848284 ation ¹ 5 25
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	840 0.75 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	5/4/2017 536711 4848284 ation ¹ 5 25 10
Site Name Basin Subbasin Surface Area (m2) Average Depth (m)	840 0.75 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	5/4/2017 536711 4848284 ation ¹ 5 25 10 10 50
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	840 0.75 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	5/4/2017 536711 4848284 ation ¹ 5 25 10 10 50 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	840 0.75 1.5 15 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	5/4/2017 536711 4848284 ation ¹ 5 25 10 10 50 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	840 0.75 1.5 15 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	5/4/2017 536711 4848284 ation ¹ 5 25 10 10 50 es Collected:
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	840 0.75 1.5 15 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	5/4/2017 536711 4848284 ation ¹ 5 25 10 10 50 es Collected:
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	840 0.75 1.5 15 90 1978	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	5/4/2017 536711 4848284 ation ¹ 5 25 10 10 50 es Collected:
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	840 0.75 1.5 15 90 1978 388 629	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	5/4/2017 536711 4848284 ation ¹ 5 25 10 10 50 es Collected:
Site Name Basin Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	840 0.75 1.5 15 90 1978 388 629	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	5/4/2017 536711 4848284 ation ¹ 5 25 10 10 50 es Collected:
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	840 0.75 1.5 15 90 1978 388 629	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	5/4/2017 536711 4848284 ation ¹ 5 25 10 10 50 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	840 0.75 1.5 15 90 1978 388 629	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	5/4/2017 536711 4848284 ation ¹ 5 25 10 10 50 es Collected:
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	840 0.75 1.5 15 90 1978 388 629 3	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/4/2017 536711 4848284 ation ¹ 5 25 10 10 50 es Collected:
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2 CT	840 0.75 1.5 15 90 1978 388 629 3	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/4/2017 536711 4848284 ation ¹ 5 25 10 10 50 es Collected:

Basin MIDDLE FORK WII Bubbasin	LLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	SHORT1A* 8/24/2017 510803	4868389
Jubbasiii		Location. Zone 101	310003	4000309
Surface Area (m2)	150	Types of aquatic veget	ation ¹	
Average Depth (m)	0.75	Submergent		40
Maximum Depth (m)	1.25	Emergent		20
Vater Temperature (C)	18	Floating		5
• • • • • •		Algae		20
Percent Silt / Organics	40	Total		85
Native Fish Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Chub	6	Western Mosquitofis	sh	
Cottids	2	Bullheads		
Speckled Dace	13	Common Carp		
Redside Shiners	33	Bluegills		
Northern Pikeminnows	7	Largemouth Bass		
Largescale Suckers		Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks		Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey				
Chiselmouth		Other:		
NOTE: P/A, COBBLE, SHALLO	NW SI OLIGH	Other.		
Site Name SIMPSON SLOUG	н	Map Code	SIMP1E*	
Site Name SIMPSON SLOUG Basin MIDDLE FORK WII	н	Sampling Date	9/25/2017	
Site Name SIMPSON SLOUG Basin MIDDLE FORK WII	н	•	9/25/2017	4866255
Site Name SIMPSON SLOUG Basin MIDDLE FORK WII	н	Sampling Date	9/25/2017 514903	4866255
Site Name SIMPSON SLOUG Basin MIDDLE FORK WII Subbasin FALL CREEK	H LLAMETTE RIVER	Sampling Date Location: Zone 10T	9/25/2017 514903	4866255 5
Site Name SIMPSON SLOUG Basin MIDDLE FORK WII Bubbasin FALL CREEK Surface Area (m2) Average Depth (m)	H LLAMETTE RIVER 1000 0.5	Sampling Date Location: Zone 10T Types of aquatic veget	9/25/2017 514903	
Site Name SIMPSON SLOUG Basin MIDDLE FORK WII Subbasin FALL CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m)	H LLAMETTE RIVER 1000 0.5 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	9/25/2017 514903	5
Site Name SIMPSON SLOUG Basin MIDDLE FORK WII Subbasin FALL CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	H LLAMETTE RIVER 1000 0.5 1.5 11	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	9/25/2017 514903	5 40
Site Name SIMPSON SLOUG Basin MIDDLE FORK WII Bubbasin FALL CREEK Surface Area (m2) Average Depth (m)	H LLAMETTE RIVER 1000 0.5 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/25/2017 514903	5 40 0
Site Name SIMPSON SLOUG Basin MIDDLE FORK WII Subbasin FALL CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	H LLAMETTE RIVER 1000 0.5 1.5 11	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/25/2017 514903 ation ¹	5 40 0
Site Name SIMPSON SLOUG Basin MIDDLE FORK WII Subbasin FALL CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	H LLAMETTE RIVER 1000 0.5 1.5 11	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	9/25/2017 514903 ation ¹	5 40 0
Site Name Basin Subbasin Subbasin Subbasin Subbasin Subbasin Subbasin Subbasin Subbasin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	H LLAMETTE RIVER 1000 0.5 1.5 11 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/25/2017 514903 ation ¹	5 40 0
Site Name Basin Subbasin Subba	1000 0.5 1.5 11 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	9/25/2017 514903 ation ¹	5 40 0
Site Name SIMPSON SLOUG Basin MIDDLE FORK WII Subbasin FALL CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	1000 0.5 1.5 11 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	9/25/2017 514903 ation ¹	5 40 0
Site Name SIMPSON SLOUG Basin MIDDLE FORK WII Subbasin FALL CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	H LLAMETTE RIVER 1000 0.5 1.5 11 60 2 4 555	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/25/2017 514903 ation ¹	5 40 0
Site Name Simpson SLOUG Basin MIDDLE FORK WII Subbasin FALL CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	H LLAMETTE RIVER 1000 0.5 1.5 11 60 2 4 555 165	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/25/2017 514903 ation ¹	5 40 0
Site Name Simpson SLOUG Basin MIDDLE FORK WII Subbasin FALL CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	H LLAMETTE RIVER 1000 0.5 1.5 11 60 2 4 555 165	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/25/2017 514903 ation ¹	5 40 0
Site Name Basin Subbasin Subba	H LLAMETTE RIVER 1000 0.5 1.5 11 60 2 4 555 165	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/25/2017 514903 ation ¹	5 40 0
Site Name Basin Subbasin Subba	H LLAMETTE RIVER 1000 0.5 1.5 11 60 2 4 555 165	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/25/2017 514903 ation ¹	5 40 0
Site Name Basin Subbasin Subba	1000 0.5 1.5 11 60 2 4 555 165	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/25/2017 514903 ation ¹	5 40 0
Site Name Simpson SLOUG Basin MIDDLE FORK WII Subbasin FALL CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Mater Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2 CT	1000 0.5 1.5 11 60 2 4 555 165	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/25/2017 514903 ation ¹	5 40 0

Basin MIDDLE FORK WILL Subbasin	RACE AMETTE RIVER	Map Code Sampling Date Location: Zone 10T	MR9 5/1/2017 498022	4876644
Surface Area (m2)	500	Types of aquatic veget	ation ¹	
Average Depth (m)	0.3	Submergent		15
Maximum Depth (m)	1.2	Emergent		20
Water Temperature (C)	10	Floating		0
		Algae		5
Percent Silt / Organics	30	Total		40
Native Fish Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Chub	1	Western Mosquitofis	sh	
Cottids		Bullheads		
Speckled Dace		Common Carp		
Redside Shiners		Bluegills		
Northern Pikeminnows		Largemouth Bass		
Largescale Suckers		Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks		Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey				
Chiselmouth		Other:		
NOTE: ODFW DISTRICT SAMPL	ING - NORDHOLM, ROM	1ER		
			MR10	
	RACE	Map Code Sampling Date	MR10 5/15/2017	
Site Name SPRINGFIELD MILL	RACE	Map Code	5/15/2017	4875667
Site Name SPRINGFIELD MILLI Basin MIDDLE FORK WILL	RACE	Map Code Sampling Date Location: Zone 10T	5/15/2017 501019	4875667
Site Name SPRINGFIELD MILLI Basin MIDDLE FORK WILL	RACE	Map Code Sampling Date	5/15/2017 501019	4875667
Site Name Basin MIDDLE FORK WILL Subbasin	RACE AMETTE RIVER	Map Code Sampling Date Location: Zone 10T	5/15/2017 501019	4875667 15
Site Name SPRINGFIELD MILLI Basin MIDDLE FORK WILL Subbasin Surface Area (m2)	RACE AMETTE RIVER 500	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	5/15/2017 501019	15 20
Site Name Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	RACE AMETTE RIVER 500 0.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	5/15/2017 501019	15 20 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	FACE AMETTE RIVER 500 0.3 1.2 10.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	5/15/2017 501019	15 20 0 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	RACE AMETTE RIVER 500 0.3 1.2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	5/15/2017 501019 ation ¹	15 20 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	FACE AMETTE RIVER 500 0.3 1.2 10.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	5/15/2017 501019 ation ¹	15 20 0 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	FACE AMETTE RIVER 500 0.3 1.2 10.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	5/15/2017 501019 ation ¹	15 20 0 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	500 0.3 1.2 10.5 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	5/15/2017 501019 ation ¹	15 20 0 5
Site Name Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	500 0.3 1.2 10.5 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	5/15/2017 501019 ation ¹	15 20 0 5
Site Name Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	500 0.3 1.2 10.5 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	5/15/2017 501019 ation ¹	15 20 0 5
Site Name Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	500 0.3 1.2 10.5 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	5/15/2017 501019 ation ¹	15 20 0 5
Site Name Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	500 0.3 1.2 10.5 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	5/15/2017 501019 ation ¹	15 20 0 5
Site Name Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	500 0.3 1.2 10.5 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	5/15/2017 501019 ation ¹	15 20 0 5
Site Name Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	500 0.3 1.2 10.5 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/15/2017 501019 ation ¹	15 20 0 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	500 0.3 1.2 10.5 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	5/15/2017 501019 ation ¹	15 20 0 5
Site Name Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	500 0.3 1.2 10.5 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/15/2017 501019 ation ¹	15 20 0 5

Basin MIDDLE FORK WIL Subbasin	LRACE OVERFLOW LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	MR8* 9/6/2017 502765	4874303
Surface Area (m2)	1000	Types of aquatic veget	ation ¹	
Average Depth (m)	1	Submergent		20
Maximum Depth (m)	1.8	Emergent		20
	1.0	Floating		5
Water Temperature (C)		Algae		5
Percent Silt / Organics	30	Total		50
Native Fish Species Collected:		Non-native Fish Specie	es Collected	:
Oregon Chub	1	Western Mosquitofis	h	
Cottids	12	Bullheads		
Speckled Dace	180	Common Carp		
Redside Shiners		Bluegills		
Northern Pikeminnows	11	Largemouth Bass		
Largescale Suckers		Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks	16	Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey				
Chiselmouth		0.11		
		Other:		
NOTE: NATURAL SLOUGH HE	CH OVEDELOW EDOM MD	7		
NOTE: NATURAL SLOUGH, HI	GH OVERFLOW FROM MR	7		
NOTE: NATURAL SLOUGH, HI		7 Map Code	MR6*	
Site Name SPRINGFIELD MILI	LRACE SLOUGH		MR6* 9/6/2017	
Site Name SPRINGFIELD MILI Basin MIDDLE FORK WIL	LRACE SLOUGH	Map Code		4874360
Site Name SPRINGFIELD MILI	LRACE SLOUGH	Map Code Sampling Date	9/6/2017 502871	4874360
Site Name SPRINGFIELD MILI Basin MIDDLE FORK WIL Subbasin Surface Area (m2)	LRACE SLOUGH LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	9/6/2017 502871	4874360
Site Name Basin Subbasin Surface Area (m2) Average Depth (m)	LRACE SLOUGH LAMETTE RIVER 75 0.3	Map Code Sampling Date Location: Zone 10T	9/6/2017 502871	
Site Name SPRINGFIELD MILI Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	LRACE SLOUGH LAMETTE RIVER 75	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	9/6/2017 502871	30
Site Name SPRINGFIELD MILI Basin MIDDLE FORK WIL Subbasin Surface Area (m2)	LRACE SLOUGH LAMETTE RIVER 75 0.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	9/6/2017 502871	30 70
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	LRACE SLOUGH LAMETTE RIVER 75 0.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/6/2017 502871	30 70 0
Site Name SPRINGFIELD MILI Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	TACE SLOUGH LAMETTE RIVER 75 0.3 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/6/2017 502871 ation ¹	30 70 0 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	TACE SLOUGH LAMETTE RIVER 75 0.3 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	9/6/2017 502871 ation ¹	30 70 0 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	TACE SLOUGH LAMETTE RIVER 75 0.3 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/6/2017 502871 ation ¹	30 70 0 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	TACE SLOUGH LAMETTE RIVER 75 0.3 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/6/2017 502871 ation ¹	30 70 0 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	TACE SLOUGH LAMETTE RIVER 75 0.3 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	9/6/2017 502871 ation ¹	30 70 0 0
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	TACE SLOUGH LAMETTE RIVER 75 0.3 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/6/2017 502871 ation ¹	30 70 0 0
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	TACE SLOUGH LAMETTE RIVER 75 0.3 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/6/2017 502871 ation ¹	30 70 0 0
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	TACE SLOUGH LAMETTE RIVER 75 0.3 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/6/2017 502871 ation ¹	30 70 0 0
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	TACE SLOUGH LAMETTE RIVER 75 0.3 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/6/2017 502871 ation ¹	30 70 0 0
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	TACE SLOUGH LAMETTE RIVER 75 0.3 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/6/2017 502871 ation ¹	30 70 0 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	TACE SLOUGH LAMETTE RIVER 75 0.3 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/6/2017 502871 ation ¹	30 70 0 0
Site Name Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	TACE SLOUGH LAMETTE RIVER 75 0.3 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/6/2017 502871 ation ¹	30 70 0 0

	MILLRACE SLOUGH WILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	MR4B* 9/6/2017 503049	4874421
Surface Area (m2)	1000	Types of aquatic veget	ation ¹	
Average Depth (m)	1	Submergent		15
Maximum Depth (m)	2	Emergent		15
Water Temperature (C)	_	Floating		0
		Algae		10
Percent Silt / Organics	40	Total		40
Native Fish Species Collecte	d:	Non-native Fish Specie	es Collected:	
Oregon Chub	0	Western Mosquitofis	sh	
Cottids	2	Bullheads		
Speckled Dace	2	Common Carp		
Redside Shiners	2	Bluegills		5
Northern Pikeminnows	1	Largemouth Bass		
Largescale Suckers		Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks	3	Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey				
Site Name SPRINGFIELD	G FROM MR2 BV DAM TO RA	Map Code	MR7*	
NOTE: CHANNEL LEADING Site Name SPRINGFIELD		MP	MR7* 9/6/2017 502915	4874415
NOTE: CHANNEL LEADING Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin	MILLRACE SLOUGH WILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	9/6/2017 502915	4874415
NOTE: CHANNEL LEADING Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2)	MILLRACE SLOUGH WILLAMETTE RIVER 140	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget	9/6/2017 502915	
NOTE: CHANNEL LEADING Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m)	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	9/6/2017 502915	5
NOTE: CHANNEL LEADING Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2)	MILLRACE SLOUGH WILLAMETTE RIVER 140	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	9/6/2017 502915	5 50
NOTE: CHANNEL LEADING Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m)	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/6/2017 502915	5 50 0
NOTE: CHANNEL LEADING Site Name Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	9/6/2017 502915	5 50
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3 1	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/6/2017 502915 ation ¹	5 50 0 0 55
Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3 1 20	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/6/2017 502915 ation ¹	5 50 0 0 55
Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3 1	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	9/6/2017 502915 ation ¹	5 50 0 0 55
Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3 1 20 d:	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	9/6/2017 502915 ation ¹	5 50 0 0 55
Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3 1 20	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/6/2017 502915 ation ¹	5 50 0 0 55
Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3 1 20 d: 0 69	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/6/2017 502915 ation ¹	5 50 0 0 55
Site Name SPRINGFIELD MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3 1 20 d:	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/6/2017 502915 ation ¹	5 50 0 0 55
Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3 1 20 d: 0 69	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/6/2017 502915 ation ¹	5 50 0 0 55
Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3 1 20 d: 0 69	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/6/2017 502915 ation ¹	5 50 0 0 55
Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3 1 20 d: 0 69	MAP Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/6/2017 502915 ation ¹	5 50 0 0 55
Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3 1 20 d: 0 69	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/6/2017 502915 ation ¹	5 50 0 0 55
Site Name SPRINGFIELD Basin MIDDLE FORK Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	MILLRACE SLOUGH WILLAMETTE RIVER 140 0.3 1 20 d: 0 69	MAP Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/6/2017 502915 ation ¹	5 50 0 0 55

Basin MIDDLE FORK V Subbasin	IILLRACE W SLOUGH VILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	MR5A* 9/6/2017 502909 48744
Surface Area (m2)	500	Types of aquatic veget	ation ¹
Average Depth (m)	0.5	Submergent	15
Maximum Depth (m)	1.2	Emergent	20
	1.2	Floating	(
Water Temperature (C)		Algae	(
Percent Silt / Organics	5	Total	35
Native Fish Species Collected	:	Non-native Fish Specie	es Collected:
Oregon Chub	0	Western Mosquitofis	sh
Cottids	2	Bullheads	
Speckled Dace	1	Common Carp	
Redside Shiners		Bluegills	
Northern Pikeminnows		Largemouth Bass	
Largescale Suckers		Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks		Smallmouth Bass	
Salmonids ²		Banded Killifish	
Lamprey			
Chiselmouth		Others	
		Other:	
NOTE: APEA APOLIND TRA	II BDIDGE		
NOTE: AREA AROUND TRA	IL BRIDGE		
Site Name SPRINGFIELD U	PPER MILLRACE	Map Code	MR2A*
Site Name SPRINGFIELD U		Sampling Date	MR2A* 9/6/2017
Site Name SPRINGFIELD U Basin MIDDLE FORK V	PPER MILLRACE		
Site Name SPRINGFIELD U	PPER MILLRACE	Sampling Date	9/6/2017 502951 48743
Site Name SPRINGFIELD U Basin MIDDLE FORK V Subbasin Surface Area (m2)	PPER MILLRACE VILLAMETTE RIVER	Sampling Date Location: Zone 10T Types of aquatic veget	9/6/2017 502951 48743
Site Name SPRINGFIELD U Basin MIDDLE FORK W Subbasin Surface Area (m2) Average Depth (m)	PPER MILLRACE VILLAMETTE RIVER 800 1	Sampling Date Location: Zone 10T	9/6/2017 502951 48743 ation ¹
Site Name SPRINGFIELD U Basin MIDDLE FORK V Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	PPER MILLRACE VILLAMETTE RIVER 800	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	9/6/2017 502951 48743 ation ¹
Site Name SPRINGFIELD U Basin MIDDLE FORK W Subbasin Surface Area (m2) Average Depth (m)	PPER MILLRACE VILLAMETTE RIVER 800 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/6/2017 502951 48743 ation ¹
Site Name SPRINGFIELD U Basin MIDDLE FORK V Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	PPER MILLRACE VILLAMETTE RIVER 800 1	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	9/6/2017 502951 48743 ation ¹
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	PPER MILLRACE VILLAMETTE RIVER 800 1 2	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/6/2017 502951 48743 ation ¹
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	PPER MILLRACE VILLAMETTE RIVER 800 1 2	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/6/2017 502951 48743 ation ¹ 10 15 0 8 Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected	PPER MILLRACE VILLAMETTE RIVER 800 1 2 30	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	9/6/2017 502951 48743 ation ¹ 10 15 0 8 Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids	PPER MILLRACE VILLAMETTE RIVER 800 1 2 30	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	9/6/2017 502951 48743 ation ¹ 10 15 0 8 Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub	PPER MILLRACE VILLAMETTE RIVER 800 1 2 30	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/6/2017 502951 48743 ation ¹ 10 15 0 8 Collected:
Site Name SPRINGFIELD U Basin MIDDLE FORK W Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace	PPER MILLRACE VILLAMETTE RIVER 800 1 2 30	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/6/2017 502951 48743 ation ¹ 10 15 0 8 Collected:
Site Name SPRINGFIELD U Basin MIDDLE FORK W Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners	PPER MILLRACE VILLAMETTE RIVER 800 1 2 30	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/6/2017 502951 48743 ation ¹ 10 15 0 8 Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	PPER MILLRACE VILLAMETTE RIVER 800 1 2 30	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/6/2017 502951 48743 ation ¹ 10 15 0 8 Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	PPER MILLRACE VILLAMETTE RIVER 800 1 2 30	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/6/2017 502951 48743 ation ¹ 10 15 0 8 Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	PPER MILLRACE VILLAMETTE RIVER 800 1 2 30	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/6/2017 502951 48743 ation ¹ 10 15 0 8 Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	PPER MILLRACE VILLAMETTE RIVER 800 1 2 30	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/6/2017 502951 48743 ation ¹ 10 15 0 8 Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	PPER MILLRACE VILLAMETTE RIVER 800 1 2 30	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/6/2017 502951 48743 ation ¹ 10 15 0 8 Collected:

Basin MIDDLE FORK Subbasin	CHANNEL WILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	SMR1A* 8/25/2017 510972	4868429
Surface Area (m2)	6000	Types of aquatic veget	ation ¹	
Average Depth (m)	0.15	Submergent		5
Maximum Depth (m)	1.5	Emergent		40
		Floating		5
Water Temperature (C)	18	Algae		0
Percent Silt / Organics	20	Total		50
Native Fish Species Collecte	d:	Non-native Fish Specie	es Collected:	
Oregon Chub	7	Western Mosquitofis	h	500
Cottids	7	Bullheads		
Speckled Dace	48	Common Carp		
Redside Shiners	31	Bluegills		
Northern Pikeminnows	20	Largemouth Bass		
Largescale Suckers	4	Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks	4	Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey				
Chiselmouth		Other:		
B/A OLD OLD OLD	ANNEL, AT FALL CRK CONF	Other.		
NOTE: P/A OLD SIDE CHA				
Site Name SWAN FARM B	AYOU	Map Code	SWAN1A	
Site Name SWAN FARM B Basin MIDDLE FORK		Sampling Date	5/25/2017	
Site Name SWAN FARM B Basin MIDDLE FORK	AYOU	•	-	4865821
Site Name Basin Subbasin Subbasin Subbasin Swan Farm B MIDDLE FORK LOST CREEK	AYOU	Sampling Date	5/25/2017 511836	4865821
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2)	AYOU WILLAMETTE RIVER	Sampling Date Location: Zone 10T	5/25/2017 511836	4865821
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m)	WILLAMETTE RIVER	Sampling Date Location: Zone 10T Types of aquatic veget	5/25/2017 511836	
Site Name Basin Subbasin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	MAYOU WILLAMETTE RIVER 1000 1 2	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent	5/25/2017 511836	10
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	MAYOU WILLAMETTE RIVER 1000 1 2 10.5	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent	5/25/2017 511836	10 20
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	MAYOU WILLAMETTE RIVER 1000 1 2	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating	5/25/2017 511836	10 20 5
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	1000 1 2 10.5 100	Sampling Date Location: Zone 10T Types of aquatic veget: Submergent Emergent Floating Algae	5/25/2017 511836 ation ¹	10 20 5 0
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	1000 1 2 10.5 100	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total	5/25/2017 511836 ation ¹	10 20 5 0
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte	1000 1 2 10.5 100	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Species	5/25/2017 511836 ation ¹	10 20 5 0
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub	1000 1 2 10.5 100	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	5/25/2017 511836 ation ¹	10 20 5 0
Site Name Basin Subbasin Subbasin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids	1000 1 2 10.5 100	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	5/25/2017 511836 ation ¹	10 20 5 0
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace	1000 1 2 10.5 100	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	5/25/2017 511836 ation ¹	10 20 5 0
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners	1000 1 2 10.5 100	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis Bullheads Common Carp Bluegills	5/25/2017 511836 ation ¹	10 20 5 0
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	1000 1 2 10.5 100	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	5/25/2017 511836 ation ¹	10 20 5 0
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	1000 1 2 10.5 100	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	5/25/2017 511836 ation ¹	10 20 5 0
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	1000 1 2 10.5 100 d: 0	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	5/25/2017 511836 ation ¹	10 20 5 0
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	1000 1 2 10.5 100 d: 0	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/25/2017 511836 ation ¹	10 20 5 0
Site Name Basin MIDDLE FORK Subbasin LOST CREEK Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collecte Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	1000 1 2 10.5 100 d: 0	Sampling Date Location: Zone 10T Types of aquatic vegets Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/25/2017 511836 ation ¹	10 20 5 0

Site Name Basin Subbasin	SWAN FARM UPST MIDDLE FORK WIL LOST CREEK		Map Code Sampling Date Location: Zone 10T	SWAN2A 5/25/2017 511729	
Surface Area	a (m2)	1000	Types of aquatic veget	ation ¹	
Average Dep		0.75	Submergent		19
-			Emergent		20
Maximum De		2	Floating		10
Water Tempe	erature (C)	11	Algae		1
Percent Silt /	Organics	90	Total		50
Native Fish S	Species Collected:		Non-native Fish Specie	es Collected	:
Oregon Ch	nub	34	Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled [Dace	14	Common Carp		
Redside S			Bluegills		
Northern F	Pikeminnows		Largemouth Bass		
Largescale			Pumpkinseeds		
Sand Rolle			Crappies		
	e Sticklebacks	59	Smallmouth Bass		
Salmonids		55	Banded Killifish		
Lamprey					
Chiselmou	ıth		Othern		
		TION	Other:		
NOTE: P/A	uth A, UPSTREAM LOCA	TION			
NOTE: P/F	A, UPSTREAM LOCA	SLOUGH	Map Code	TNC8A*	
NOTE: P/A	A, UPSTREAM LOCA	SLOUGH	Map Code Sampling Date	9/6/2017	
NOTE: P/A	A, UPSTREAM LOCA	SLOUGH	Map Code		4874467
NOTE: P// Site Name Basin Subbasin	A, UPSTREAM LOCA TNC ISLAND PONE MIDDLE FORK WIL	SLOUGH	Map Code Sampling Date	9/6/2017 502165	4874467
	A, UPSTREAM LOCA TNC ISLAND PONE MIDDLE FORK WIL	SLOUGH LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	9/6/2017 502165	4874467 25
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep	TNC ISLAND PONE MIDDLE FORK WIL a (m2) oth (m)	D SLOUGH LAMETTE RIVER 1500 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	9/6/2017 502165	
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De	TNC ISLAND PONE MIDDLE FORK WIL a (m2) oth (m) epth (m)	D SLOUGH LAMETTE RIVER 1500	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	9/6/2017 502165	25
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De	TNC ISLAND PONE MIDDLE FORK WIL a (m2) oth (m) epth (m)	D SLOUGH LAMETTE RIVER 1500 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/6/2017 502165	25 20
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe	TNC ISLAND PONE MIDDLE FORK WIL a (m2) bth (m) epth (m) erature (C)	D SLOUGH LAMETTE RIVER 1500 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	9/6/2017 502165	25 20 5
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt /	TNC ISLAND PONE MIDDLE FORK WIL a (m2) bth (m) epth (m) erature (C)	D SLOUGH LAMETTE RIVER 1500 0.5 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/6/2017 502165 ation ¹	25 20 5 15 65
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt /	TNC ISLAND PONE MIDDLE FORK WIL a (m2) oth (m) epth (m) erature (C) Organics Species Collected:	D SLOUGH LAMETTE RIVER 1500 0.5 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	9/6/2017 502165 ation ¹	25 20 5 15 65
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$	TNC ISLAND PONE MIDDLE FORK WIL a (m2) oth (m) epth (m) erature (C) Organics Species Collected:	D SLOUGH LAMETTE RIVER 1500 0.5 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/6/2017 502165 ation ¹	25 20 5 15 65
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$	TNC ISLAND PONE MIDDLE FORK WIL a (m2) oth (m) epth (m) erature (C) Corganics Species Collected: mub	2 SLOUGH LAMETTE RIVER 1500 0.5 2 20	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	9/6/2017 502165 ation ¹	25 20 5 15 65
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids	TNC ISLAND PONE MIDDLE FORK WIL a (m2) bth (m) epth (m) erature (C) Corganics Species Collected: hub	2 SLOUGH LAMETTE RIVER 1500 0.5 2 20 0 0 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/6/2017 502165 ation ¹	25 20 5 15 65
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish 3 Oregon Ch Cottids Speckled I Redside S	TNC ISLAND PONE MIDDLE FORK WIL a (m2) bth (m) epth (m) erature (C) Corganics Species Collected: hub	2 SLOUGH LAMETTE RIVER 1500 0.5 2 20 0 20 25	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/6/2017 502165 ation ¹	25 20 5 15 65
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled [Redside S Northern [TNC ISLAND PONE MIDDLE FORK WIL a (m2) bth (m) epth (m) erature (C) Torganics Species Collected: hub Dace thiners Pikeminnows	2 SLOUGH LAMETTE RIVER 1500 0.5 2 20 0 0 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/6/2017 502165 ation ¹	25 20 5 15 65
NOTE: P// Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled [Redside S Northern F Largescale	TNC ISLAND PONE MIDDLE FORK WIL a (m2) oth (m) epth (m) erature (C) Organics Species Collected: hub Dace chiners Pikeminnows e Suckers	2 SLOUGH LAMETTE RIVER 1500 0.5 2 20 0 20 25	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/6/2017 502165 ation ¹	25 20 5 15 65
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Cr Cottids Speckled I Redside S Northern F Largescale Sand Rolle	TNC ISLAND PONE MIDDLE FORK WIL a (m2) bth (m) epth (m) erature (C) Corganics Species Collected: hub Dace chiners Pikeminnows e Suckers ers	2 SLOUGH LAMETTE RIVER 1500 0.5 2 20 0 2 25 25	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/6/2017 502165 ation ¹	25 20 5 15 65
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled I Redside S Northern F Largescale Sand Rolle Threespine	TNC ISLAND PONE MIDDLE FORK WIL a (m2) oth (m) epth (m) erature (C) TOrganics Species Collected: hub Dace chiners Pikeminnows e Suckers ers e Sticklebacks	2 SLOUGH LAMETTE RIVER 1500 0.5 2 20 0 20 25	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/6/2017 502165 ation ¹	25 20 5 15 65
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish 3 Oregon Ch Cottids Speckled I Redside S Northern F Largescale Sand Rolle Threespine Salmonids	TNC ISLAND PONE MIDDLE FORK WIL a (m2) oth (m) epth (m) erature (C) TOrganics Species Collected: hub Dace chiners Pikeminnows e Suckers ers e Sticklebacks	2 SLOUGH LAMETTE RIVER 1500 0.5 2 20 0 2 25 25	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/6/2017 502165 ation ¹	25 20 5 15 65
NOTE: P/A Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled I Redside S Northern F Largescale Sand Rolle Threespine	TNC ISLAND PONE MIDDLE FORK WIL a (m2) bth (m) epth (m) erature (C) Torganics Species Collected: hub Dace chiners Pikeminnows e Suckers ers e Sticklebacks g 2	2 SLOUGH LAMETTE RIVER 1500 0.5 2 20 0 2 25 25	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/6/2017 502165 ation ¹	25 20 5 15 65

Site Name Basin Subbasin	-	AD CREEK BACKWATER LLAMETTE RIVER EK	Map Code Sampling Date Location: Zone 10T	BCK7T 5/9/2017 538089	4846737
Surface Area	(m2)	5953	Types of aquatic veget	ation ¹	
Average Dept	th (m)	1	Submergent		10
Maximum De		2	Emergent		30
			Floating		0
Water Tempe		10	Algae		1
Percent Silt /	Organics	60	Total		41
Native Fish S	Species Collected:		Non-native Fish Specie	s Collected	:
Oregon Ch	nub	494	Western Mosquitofis	h	
Cottids		1	Bullheads		
Speckled E	Dace	355	Common Carp		
Redside SI	hiners	3433	Bluegills		
Northern F	Pikeminnows		Largemouth Bass		
Largescale	Suckers	10	Pumpkinseeds		
Sand Rolle	ers		Crappies		
Threespine	e Sticklebacks		Smallmouth Bass		
Salmonids	² CT=1	1	Banded Killifish		
Lamprey		1			
Chiselmout	th		Other:		
	·	/TR, RSS/SD=9, B. LAMP	Map Code	BCK17A	
Site Name Basin	UPPER BUCKHEA	AD ENHANCEMENT PND LLAMETTE RIVER		BCK17A 5/9/2017 537042	4848424
Site Name Basin Subbasin	UPPER BUCKHEA MIDDLE FORK WI BUCKHEAD CREE	AD ENHANCEMENT PND LLAMETTE RIVER	Map Code Sampling Date	5/9/2017 537042	4848424
Site Name Basin Subbasin Surface Area	UPPER BUCKHEA MIDDLE FORK WI BUCKHEAD CREE (m2)	AD ENHANCEMENT PND LLAMETTE RIVER EK 400	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	5/9/2017 537042	
Site Name Basin Subbasin Surface Area Average Dept	UPPER BUCKHEA MIDDLE FORK WI BUCKHEAD CREE (m2) th (m)	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	5/9/2017 537042	45
Site Name Basin Subbasin Surface Area Average Depi	UPPER BUCKHEA MIDDLE FORK WII BUCKHEAD CREE (m2) th (m) pth (m)	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	5/9/2017 537042	45 30
Site Name Basin Subbasin Surface Area Average Dept	UPPER BUCKHEA MIDDLE FORK WII BUCKHEAD CREE (m2) th (m) pth (m)	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	5/9/2017 537042	45 30 5
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe	UPPER BUCKHEA MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) pth (m)	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	5/9/2017 537042	45 30
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt /	UPPER BUCKHEA MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) pth (m)	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2 17	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	5/9/2017 537042 ation ¹	45 30 5 10 90
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt /	UPPER BUCKHEA MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) pth (m) erature (C) Organics Species Collected:	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2 17	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	5/9/2017 537042 ation ¹	45 30 5 10 90
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt /	UPPER BUCKHEA MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) pth (m) erature (C) Organics Species Collected:	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2 17 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	5/9/2017 537042 ation ¹	45 30 5 10 90
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt / Native Fish S	UPPER BUCKHEA MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) pth (m) erature (C) Organics Species Collected:	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2 17 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	5/9/2017 537042 ation ¹	45 30 5 10 90
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids	UPPER BUCKHEA MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) pth (m) erature (C) Organics Species Collected: nub	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2 17 30	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	5/9/2017 537042 ation ¹	45 30 5 10 90
Site Name Basin Subbasin Surface Area Average Dept Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside Sil	UPPER BUCKHEA MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) pth (m) erature (C) Organics Species Collected: nub	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2 17 30 919	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	5/9/2017 537042 ation ¹	45 30 5 10 90
Site Name Basin Subbasin Surface Area Average Dept Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside Si	UPPER BUCKHEA MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) pth (m) erature (C) Organics Species Collected: nub	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2 17 30 919	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	5/9/2017 537042 ation ¹	45 30 5 10 90
Site Name Basin Subbasin Surface Area Average Dept Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside Si Northern F	UPPER BUCKHEAM MIDDLE FORK WILL BUCKHEAD CREE (m2) th (m) pth (m) erature (C) Organics Species Collected: bub Dace hiners Pikeminnows e Suckers	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2 17 30 919	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	5/9/2017 537042 ation ¹	45 30 5 10 90
Site Name Basin Subbasin Surface Area Average Depr Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside SI Northern F Largescale Sand Rolle	UPPER BUCKHEAM MIDDLE FORK WILL BUCKHEAD CREE (m2) th (m) pth (m) erature (C) Organics Species Collected: bub Dace hiners Pikeminnows e Suckers	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2 17 30 919	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	5/9/2017 537042 ation ¹	45 30 5 10 90
Site Name Basin Subbasin Surface Area Average Depr Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside SI Northern F Largescale Sand Rolle	UPPER BUCKHEAM MIDDLE FORK WILL BUCKHEAD CREE (m2) th (m) pth (m) prature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers ers e Sticklebacks	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2 17 30 919	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	5/9/2017 537042 ation ¹	45 30 5 10 90
Site Name Basin Subbasin Surface Area Average Depr Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside SI Northern F Largescale Sand Rolle Threespine	UPPER BUCKHEAM MIDDLE FORK WILL BUCKHEAD CREE (m2) th (m) pth (m) prature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers ers e Sticklebacks	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2 17 30 919	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/9/2017 537042 ation ¹	45 30 5 10 90
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside SI Northern F Largescale Sand Rolle Threespine Salmonids	UPPER BUCKHEAM MIDDLE FORK WILL BUCKHEAD CREE (m2) th (m) pth (m) prature (C) Organics Species Collected: hub Dace hiners Pikeminnows Suckers ers e Sticklebacks 2	AD ENHANCEMENT PND LLAMETTE RIVER EK 400 1 2 17 30 919	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/9/2017 537042 ation ¹	45 30 5 10 90

Site Name Basin	WICOPEE POND MIDDLE FORK WII	LAMETTE RIVER	Map Code Sampling Date	WCP1Z 5/3/2017	
Subbasin	SALT CREEK		Location: Zone 10T	557848	4838626
Surface Area	(m2)	3250	Types of aquatic veget	ation ¹	
Average Dep	th (m)	1	Submergent		5
Maximum De		1.75	Emergent		40
			Floating		5
Water Tempe	erature (C)	15	Algae		15
Percent Silt /	Organics	100	Total		65
Native Fish S	Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Ch	ub	6605	Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled E	Dace	6776	Common Carp		
Redside SI	niners		Bluegills		
Northern F	Pikeminnows		Largemouth Bass		
Largescale	Suckers		Pumpkinseeds		
Sand Rolle			Crappies		
Threespine	Sticklebacks		Smallmouth Bass		
Salmonids		2	Banded Killifish		
Lamprey					
Chiselmou	th				
			Other:		
	FM. 110F0 DOD F0	· -			
NOTE: OD	FW+USFS, POP ES	ST			
NOTE: OD	FW+USFS, POP ES	T	Map Code	YETI1*	
Site Name	·		Map Code Sampling Date	YETI1* 9/7/2017	
Site Name Basin	YETI SLOUGH 1				4847764
Site Name Basin Subbasin	YETI SLOUGH 1 MIDDLE FORK WII	LAMETTE RIVER	Sampling Date Location: Zone 10T	9/7/2017 537504	4847764
Site Name Basin Subbasin Surface Area	YETI SLOUGH 1 MIDDLE FORK WII		Sampling Date Location: Zone 10T Types of aquatic veget	9/7/2017 537504	4847764
Site Name Basin Subbasin	YETI SLOUGH 1 MIDDLE FORK WII	LAMETTE RIVER	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	9/7/2017 537504	5
Site Name Basin Subbasin Surface Area	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m)	LLAMETTE RIVER 750	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	9/7/2017 537504	5 15
Site Name Basin Subbasin Surface Area Average Dep	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m)	LLAMETTE RIVER 750 0.3	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/7/2017 537504	5 15 0
Site Name Basin Subbasin Surface Area Average Dep Maximum De	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m) erature (C)	750 0.3 0.5 17	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/7/2017 537504	5 15 0 5
Site Name Basin Subbasin Surface Area Average Dep Maximum De	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m) erature (C)	750 0.3 0.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/7/2017 537504	5 15 0
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt /	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m) erature (C) Organics Species Collected:	750 0.3 0.5 17	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/7/2017 537504 ation ¹	5 15 0 5 25
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m) erature (C) Organics Species Collected:	750 0.3 0.5 17 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	9/7/2017 537504 ation ¹	5 15 0 5 25
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m) prature (C) Organics Species Collected: ub	750 0.3 0.5 17 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	9/7/2017 537504 ation ¹	5 15 0 5 25
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m) prature (C) Organics Species Collected: ub	750 0.3 0.5 17 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/7/2017 537504 ation ¹	5 15 0 5 25
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside Si	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m) prature (C) Organics Species Collected: ub Dace niners	750 0.3 0.5 17 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/7/2017 537504 ation ¹	5 15 0 5 25
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside Si	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m) prature (C) Organics Species Collected: ub	750 0.3 0.5 17 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/7/2017 537504 ation ¹	5 15 0 5 25
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled E Redside Si Northern F Largescale	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m) prature (C) Organics Species Collected: ub Dace niners Pikeminnows	750 0.3 0.5 17 10 2 1 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/7/2017 537504 ation ¹	5 15 0 5 25
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside Si Northern F	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m) prature (C) Organics Species Collected: ub Dace niners Pikeminnows	750 0.3 0.5 17 10 2 1 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/7/2017 537504 ation ¹	5 15 0 5 25
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside SI Northern F Largescale Sand Rolle	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m) prature (C) Organics Species Collected: ub Dace niners Pikeminnows	750 0.3 0.5 17 10 2 1 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/7/2017 537504 ation ¹	5 15 0 5 25
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside SI Northern F Largescale Sand Rolle	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m) prature (C) Organics Species Collected: ub Dace niners Pikeminnows e Suckers ers e Sticklebacks	750 0.3 0.5 17 10 2 1 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/7/2017 537504 ation ¹	5 15 0 5 25
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside SI Northern F Largescale Sand Rolle Threespine	YETI SLOUGH 1 MIDDLE FORK WII (m2) th (m) pth (m) prature (C) Organics Species Collected: ub Dace niners Pikeminnows e Suckers ers e Sticklebacks	750 0.3 0.5 17 10 2 1 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/7/2017 537504 ation ¹	5 15 0 5 25

Basin MIDDLE FORK WIL Subbasin	LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	YETI3* 9/7/2017 537585	4847657
Surface Area (m2)	3000	Types of aquatic veget	ation ¹	
Average Depth (m)	0.3	Submergent		50
Maximum Depth (m)	1.25	Emergent		20
		Floating		0
Water Temperature (C)	19	Algae		15
Percent Silt / Organics	30	Total		85
Native Fish Species Collected:		Non-native Fish Specie	s Collected	:
Oregon Chub	242	Western Mosquitofis	h	
Cottids	3	Bullheads		
Speckled Dace	47	Common Carp		
Redside Shiners	16	Bluegills		
Northern Pikeminnows	88	Largemouth Bass		
Largescale Suckers	5	Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks		Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey				
Chiselmouth		Otherm		
	DITAT LOWED FACT	Other:		
NOTE. DIA CHROAMBIED HA				
NOTE: P/A, SUBSAMPLED HA	BITAT, LOWER EAST			
NOTE: P/A, SUBSAMPLED HA Site Name YETI SLOUGH 3	BITAT, LOWER EAST	Map Code	YETI2A*	
Site Name YETI SLOUGH 3		Map Code Sampling Date	YETI2A* 9/7/2017	
Site Name YETI SLOUGH 3		•		4847702
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL		Sampling Date	9/7/2017 537792	4847702
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin	LAMETTE RIVER	Sampling Date Location: Zone 10T	9/7/2017 537792	4847702 5
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m)	LAMETTE RIVER 3600	Sampling Date Location: Zone 10T Types of aquatic veget	9/7/2017 537792	
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	3600 0.5 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	9/7/2017 537792	5
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	3600 0.5 1.5 18	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	9/7/2017 537792	5 15
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	3600 0.5 1.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/7/2017 537792	5 15 0
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	3600 0.5 1.5 18	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/7/2017 537792 ation ¹	5 15 0 5 20
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	3600 0.5 1.5 18	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	9/7/2017 537792 ation ¹	5 15 0 5 20
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	3600 0.5 1.5 18 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/7/2017 537792 ation ¹	5 15 0 5 20
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	3600 0.5 1.5 18 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	9/7/2017 537792 ation ¹	5 15 0 5 20
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	3600 0.5 1.5 18 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	9/7/2017 537792 ation ¹	5 15 0 5 20
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	3600 0.5 1.5 18 10 655 2	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/7/2017 537792 ation ¹	5 15 0 5 20
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	3600 0.5 1.5 18 10 655 2 106 87	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/7/2017 537792 ation ¹	5 15 0 5 20
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	3600 0.5 1.5 18 10 655 2 106 87 68	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/7/2017 537792 ation ¹	5 15 0 5 20
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	3600 0.5 1.5 18 10 655 2 106 87 68	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/7/2017 537792 ation ¹	5 15 0 5 20
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	3600 0.5 1.5 18 10 655 2 106 87 68	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/7/2017 537792 ation ¹	5 15 0 5 20
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	3600 0.5 1.5 18 10 655 2 106 87 68 6	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/7/2017 537792 ation ¹	5 15 0 5 20
Site Name YETI SLOUGH 3 Basin MIDDLE FORK WIL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2 CH	3600 0.5 1.5 18 10 655 2 106 87 68 6	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/7/2017 537792 ation ¹	5 15 0 5 20

Site Name YETI SLOUGH 4 Basin MIDDLE FORK WILL Subbasin	LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	YETI4* 9/7/2017 537873	4847629
Surface Area (m2)	750	Types of aquatic veget	ation ¹	
Average Depth (m)	0.5	Submergent		70
Maximum Depth (m)	1	Emergent		20
	21	Floating		0
Water Temperature (C)		Algae		10
Percent Silt / Organics	10	Total		100
Native Fish Species Collected:		Non-native Fish Specie	es Collected	:
Oregon Chub	85	Western Mosquitofis	sh	
Cottids	1	Bullheads		
Speckled Dace		Common Carp		
Redside Shiners	5	Bluegills		
Northern Pikeminnows	48	Largemouth Bass		
Largescale Suckers	19	Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks		Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprov				
Lamprey				
Chiselmouth		Othor		
Chiselmouth	BITAT MID-UPPER	Other:		
Chiselmouth NOTE: P/A, SUBSAMPLED HAI	BITAT, MID-UPPER			
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5		Map Code	YETI5A*	
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL		Map Code Sampling Date	9/7/2017	
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL		Map Code		4847209
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5		Map Code Sampling Date	9/7/2017 537971	4847209
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin	LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	9/7/2017 537971	4847209 70
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m)	LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	9/7/2017 537971	
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	2000 0.2 0.4	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/7/2017 537971	70 20 0
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	2000 0.2 0.4 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/7/2017 537971	70 20 0 10
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	2000 0.2 0.4	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/7/2017 537971	70 20 0
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m)	2000 0.2 0.4 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/7/2017 537971 cation ¹	70 20 0 10 100
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	2000 0.2 0.4 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	9/7/2017 537971 sation ¹	70 20 0 10 100
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	2000 0.2 0.4 21 10	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/7/2017 537971 sation ¹	70 20 0 10 100
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	2000 0.2 0.4 21 10	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	9/7/2017 537971 sation ¹	70 20 0 10 100
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	2000 0.2 0.4 21 10	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	9/7/2017 537971 sation ¹	70 20 0 10 100
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	2000 0.2 0.4 21 10	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/7/2017 537971 sation ¹	70 20 0 10 100
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	2000 0.2 0.4 21 10	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/7/2017 537971 sation ¹	70 20 0 10 100
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	2000 0.2 0.4 21 10	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/7/2017 537971 sation ¹	70 20 0 10 100
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	2000 0.2 0.4 21 10	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/7/2017 537971 sation ¹	70 20 0 10 100
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	2000 0.2 0.4 21 10	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/7/2017 537971 sation ¹	70 20 0 10 100
Chiselmouth NOTE: P/A, SUBSAMPLED HAI Site Name YETI SLOUGH 5 Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	2000 0.2 0.4 21 10	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/7/2017 537971 sation ¹	70 20 0 10 100

Basin MID-WILLAMETTE I Subbasin MARYS RIVER	RIVER	Map Code Sampling Date Location: Zone 10T	FAIR1B 2/3/2017 463216	4926448
Surface Area (m2)	600	Types of aquatic veget	ation ¹	
Average Depth (m)	0.5	Submergent		20
	3	Emergent		30
Maximum Depth (m)		Floating		0
Water Temperature (C)	8	Algae		10
Percent Silt / Organics	90	Total		60
Native Fish Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Chub	65	Western Mosquitofis	sh	
Cottids		Bullheads		
Speckled Dace		Common Carp		
Redside Shiners		Bluegills		
Northern Pikeminnows		Largemouth Bass		
Largescale Suckers		Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks		Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey				
Chiselmouth		Other:		
NOTE: REINTRO 2015 P/A MC	OVED TO GRAY OR SW			
NOTE: REINTRO 2015, P/A, MC	OVED TO GRAY CR SW	MP		
NOTE: REINTRO 2015, P/A, MC		MP Map Code	FIN1U	
Site Name FINLEY NWR BEAV Basin MID-WILLAMETTE I	/ER POND	MP Map Code Sampling Date	FIN1U 7/27/2017	
Site Name FINLEY NWR BEAV	/ER POND	MP Map Code		4916127
Site Name FINLEY NWR BEAV Basin MID-WILLAMETTE I	/ER POND	MP Map Code Sampling Date	7/27/2017 473717	4916127
Site Name Basin MID-WILLAMETTE I Subbasin MARYS RIVER	/ER POND RIVER	MP Map Code Sampling Date Location: Zone 10T	7/27/2017 473717	4916127
Site Name FINLEY NWR BEAV Basin MID-WILLAMETTE I Subbasin MARYS RIVER Surface Area (m2)	/ER POND RIVER 4400	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget	7/27/2017 473717	
Site Name FINLEY NWR BEAV Basin MID-WILLAMETTE I Subbasin MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m)	VER POND RIVER 4400 0.7 1.2	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/27/2017 473717	50
Site Name Basin MID-WILLAMETTE I Subbasin MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	VER POND RIVER 4400 0.7 1.2 23	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	7/27/2017 473717	50 30
Site Name FINLEY NWR BEAV Basin MID-WILLAMETTE I Subbasin MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m)	VER POND RIVER 4400 0.7 1.2	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/27/2017 473717	50 30 0
Site Name Basin MID-WILLAMETTE I MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	VER POND RIVER 4400 0.7 1.2 23 100	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/27/2017 473717 ation ¹	50 30 0 10
Site Name Basin MID-WILLAMETTE I MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	VER POND RIVER 4400 0.7 1.2 23	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/27/2017 473717 ation ¹	50 30 0 10 90
Site Name Basin MID-WILLAMETTE I Subbasin MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	VER POND RIVER 4400 0.7 1.2 23 100	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/27/2017 473717 ation ¹	50 30 0 10
Site Name Basin MID-WILLAMETTE I Subbasin MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	VER POND RIVER 4400 0.7 1.2 23 100	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/27/2017 473717 ation ¹	50 30 0 10 90
Site Name Basin MID-WILLAMETTE I Subbasin MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	VER POND RIVER 4400 0.7 1.2 23 100	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	7/27/2017 473717 ation ¹	50 30 0 10 90
Site Name Basin MID-WILLAMETTE I Subbasin MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	### ### ##############################	MAP Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	7/27/2017 473717 ation ¹	50 30 0 10 90
Site Name Basin MID-WILLAMETTE I Subbasin MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	### ### ##############################	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/27/2017 473717 ation ¹	50 30 0 10 90
Site Name Basin MID-WILLAMETTE I MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	### ### ##############################	MAP Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	7/27/2017 473717 ation ¹	50 30 0 10 90
Site Name Basin MID-WILLAMETTE I Subbasin MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	### ### ##############################	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/27/2017 473717 ation ¹	50 30 0 10 90
Site Name Basin MID-WILLAMETTE I MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	4400 0.7 1.2 23 100 1991 293 13	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/27/2017 473717 ation ¹	50 30 0 10 90
Site Name Basin MID-WILLAMETTE I Subbasin MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	4400 0.7 1.2 23 100 1991 293 13	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/27/2017 473717 ation ¹	50 30 0 10 90
Site Name Basin Subbasin MID-WILLAMETTE I MARYS RIVER Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids ²	4400 0.7 1.2 23 100 1991 293 13	MP Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/27/2017 473717 ation ¹	50 30 0 10 90

Site Name Basin Subbasin	FINLEY NWR- CAT MID-WILLAMETTE MARYS RIVER		Map Code Sampling Date Location: Zone 10T	FIN7I 5/18/2017 474188	, 4916199
Surface Area	a (m2)	9600	Types of aquatic veget	ation '	
Average De	pth (m)	0.5	Submergent		10
Maximum D	epth (m)	1.5	Emergent		60
Water Temp	perature (C)	16	Floating		1
Percent Silt		100	Algae		20
		100	Total		91
	Species Collected:		Non-native Fish Specie		
Oregon C	Chub	0	Western Mosquitofis	sh	100
Cottids	_		Bullheads		10
Speckled			Common Carp		
Redside S			Bluegills		20
	Pikeminnows		Largemouth Bass		
_	le Suckers		Pumpkinseeds		
Sand Roll			Crappies		
	ne Sticklebacks		Smallmouth Bass		
Salmonid	S ²		Banded Killifish		
Lamprey					
Chiselmo	uth		Other:		
Chiselmo	uth /A, MINNOW TRAPS		Other:		
Chiselmo	/A, MINNOW TRAPS	LAY BOND		FINACY	
Chiselmon NOTE: P/ Site Name	/A, MINNOW TRAPS		Map Code	FIN16Y	
Chiselmon NOTE: P/ Site Name Basin	/A, MINNOW TRAPS FINLEY NWR DISP MID-WILLAMETTE		Map Code Sampling Date	3/13/2017	
Chiselmon NOTE: P/ Site Name Basin	/A, MINNOW TRAPS		Map Code		, 4917131
Chiselmon NOTE: P/ Site Name Basin Subbasin	/A, MINNOW TRAPS FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER		Map Code Sampling Date	3/13/2017 473263	
Chiselmo	/A, MINNOW TRAPS FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2)	RIVER	Map Code Sampling Date Location: Zone 10T	3/13/2017 473263	
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average De	/A, MINNOW TRAPS FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m)	RIVER 9900	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	3/13/2017 473263	4917131
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average De	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m)	9900 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	3/13/2017 473263	4917131 15
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C)	9900 1 2.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	3/13/2017 473263	4917131 15 25
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C)	9900 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	3/13/2017 473263	4917131 15 25 0
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average Del Maximum D Water Temp Percent Silt	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C)	9900 1 2.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	3/13/2017 473263 ation ¹	4917131 15 25 0 0 40
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average Del Maximum D Water Temp Percent Silt	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) eepth (m) perature (C) / Organics Species Collected:	9900 1 2.3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	3/13/2017 473263 ation ¹	4917131 15 25 0 0 40
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average Del Maximum D Water Temp Percent Silt Native Fish	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) eepth (m) perature (C) / Organics Species Collected:	9900 1 2.3 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	3/13/2017 473263 ation ¹	4917131 15 25 0 0 40
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average De Maximum Do Water Temp Percent Silt Native Fish Oregon C	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) pepth (m) perature (C) / Organics Species Collected:	9900 1 2.3 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	3/13/2017 473263 ation ¹	4917131 15 25 0 0 40
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: Chub Dace	9900 1 2.3 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	3/13/2017 473263 ation ¹	4917131 15 25 0 0 40
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon Cottids Speckled Redside S	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: Chub Dace	9900 1 2.3 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	3/13/2017 473263 ation ¹	4917131 15 25 0 0 40
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average Del Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) eepth (m) berature (C) / Organics Species Collected: Chub Dace Shiners	9900 1 2.3 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	3/13/2017 473263 ation ¹	4917131 15 25 0 0 40
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average Del Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) eepth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers	9900 1 2.3 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	3/13/2017 473263 ation ¹	4917131 15 25 0 0 40
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) eepth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers	9900 1 2.3 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	3/13/2017 473263 ation ¹	4917131 15 25 0 0 40
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	9900 1 2.3 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	3/13/2017 473263 ation ¹	4917131 15 25 0 0 40
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average De Maximum Do Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	9900 1 2.3 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	3/13/2017 473263 ation ¹	4917131 15 25 0 0 40
Chiselmon NOTE: P/ Site Name Basin Subbasin Surface Area Average De Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir Salmonids	FINLEY NWR DISP MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks s²	9900 1 2.3 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	3/13/2017 473263 ation ¹	4917131 15 25 0 0 40

Basin	FINLEY NWR DISP MID-WILLAMETTE		Map Code Sampling Date	FIN16Y 5/18/2017	
Subbasin	MARYS RIVER		Location: Zone 10T		4917131
Surface Are	a (m2)	9900	Types of aquatic veget	ation ¹	
Average De	pth (m)	0.5	Submergent		15
Maximum D		2.3	Emergent		25
			Floating		0
	perature (C)	16	Algae		0
Percent Silt	/ Organics	100	Total		40
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:	
Oregon C	hub	10	Western Mosquitofis	h	
Cottids			Bullheads		
Speckled	Dace		Common Carp		
Redside S	Shiners		Bluegills		
Northern	Pikeminnows		Largemouth Bass		
Largesca	le Suckers		Pumpkinseeds		
Sand Rol			Crappies		
Threespir	ne Sticklebacks		Smallmouth Bass		
Salmonid			Banded Killifish		
Lamprey					
Chiselmo	uth				
			Other:		
	/A ODULINAN DAG	011110 1401/50 70 51 0 0			
	/A, SPILLWAY DMG, (CHUB MOVED TO FLD 22			
	/A, SPILLWAY DMG, (FIN28A	
NOTE: P		D-22 POND	2	FIN28A 5/18/2017	
NOTE: P	FINLEY NWR FIEL	D-22 POND	2 Map Code	5/18/2017	4917589
NOTE: Pasite Name	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER	D-22 POND	Map Code Sampling Date	5/18/2017 473903	4917589
NOTE: Properties of the Name Basin Subbasin	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER	D-22 POND RIVER	Map Code Sampling Date Location: Zone 10T	5/18/2017 473903	4917589
NOTE: Pa Site Name Basin Subbasin Surface Are	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m)	D-22 POND RIVER 14222	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	5/18/2017 473903	
NOTE: PASite Name Basin Subbasin Surface Are Average De	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m)	D-22 POND RIVER 14222 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	5/18/2017 473903	20
NOTE: Pa Site Name Basin Subbasin Surface Are Average De Maximum D	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C)	D-22 POND RIVER 14222 1 2 17	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	5/18/2017 473903	20 30
NOTE: Pa Site Name Basin Subbasin Surface Are Average De Maximum D	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C)	D-22 POND RIVER 14222 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	5/18/2017 473903	20 30 0
NOTE: Passin Subbasin Subbasin Surface Are Average De Maximum D Water Temp	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C)	D-22 POND RIVER 14222 1 2 17	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	5/18/2017 473903 ation ¹	20 30 0 10
NOTE: Passin Subbasin Subbasin Surface Are Average De Maximum D Water Temp	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	D-22 POND RIVER 14222 1 2 17	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	5/18/2017 473903 ation ¹	20 30 0 10
NOTE: Passite Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	D-22 POND RIVER 14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	5/18/2017 473903 ation ¹	20 30 0 10
NOTE: PASITE NAME Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	D-22 POND RIVER 14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	5/18/2017 473903 ation ¹	20 30 0 10
NOTE: PASITE NAME Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	D-22 POND RIVER 14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	5/18/2017 473903 ation ¹	20 30 0 10
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	D-22 POND RIVER 14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	5/18/2017 473903 ation ¹	20 30 0 10
NOTE: Properties of the Name Basin Subbasin Subbasin Surface Are Average De Maximum Dercent Silt Native Fish Oregon Cottids Speckled Redside Suborthern	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners	D-22 POND RIVER 14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	5/18/2017 473903 ation ¹	20 30 0 10
NOTE: Properties of the Name Basin Subbasin Subbasin Surface Are Average De Maximum Dercent Silt Native Fish Oregon Cottids Speckled Redside Suborthern	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers	D-22 POND RIVER 14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	5/18/2017 473903 ation ¹	20 30 0 10
Site Name Basin Subbasin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largesca Sand Rol	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers	D-22 POND RIVER 14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	5/18/2017 473903 ation ¹	20 30 0 10
Site Name Basin Subbasin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largesca Sand Rol	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	D-22 POND RIVER 14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	5/18/2017 473903 ation ¹	20 30 0 10
NOTE: PASITE NAME Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largesca Sand Rol Threespir Salmonid	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	D-22 POND RIVER 14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/18/2017 473903 ation ¹	20 30 0 10
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largesca Sand Rol Threespir	FINLEY NWR FIEL MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks s 2	D-22 POND RIVER 14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/18/2017 473903 ation ¹	20 30 0 10

	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER		Map Code Sampling Date Location: Zone 10T	FIN28B 6/9/2017 473903	4917589
Surface Area (m2)	1	14222	Types of aquatic veget	ation ¹	
					20
Average Depth (m		1	Submergent		20
Maximum Depth (m)	2	Emergent		30 0
Water Temperatur	re (C)	17	Floating Algae		10
Percent Silt / Orga	anics	100	Total		60
Native Fish Spec	ies Collected:		Non-native Fish Specie	es Collected:	
Oregon Chub		37	Western Mosquitofis	h	
Cottids			Bullheads		
Speckled Dace			Common Carp		
Redside Shiner			Bluegills		
Northern Piken	ninnows		Largemouth Bass		
Largescale Suc	kers		Pumpkinseeds		
Sand Rollers			Crappies		
Threespine Stic	klebacks		Smallmouth Bass		
Salmonids ²			Banded Killifish		
Lamprey					
Chiselmouth					
			0.0		
			Other:		
	2015 REST, FRO	M FINLEY-BUFORD	Otner:		
NOTE: INTRO,	2015 REST, FRO			FIN28C	
NOTE: INTRO, Site Name FIN		-22 POND	Map Code	FIN28C 7/27/2017	
NOTE: INTRO, Site Name FIN Basin MID	LEY NWR FIELD-	-22 POND			4917589
NOTE: INTRO, Site Name FIN Basin MID	LEY NWR FIELD- D-WILLAMETTE RI	-22 POND	Map Code Sampling Date	7/27/2017	
NOTE: INTRO, Site Name FIN Basin MID	LEY NWR FIELD- D-WILLAMETTE RI	-22 POND	Map Code Sampling Date	7/27/2017 473903	
NOTE: INTRO, Site Name FIN Basin MIE Subbasin MA	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER	-22 POND IVER	Map Code Sampling Date Location: Zone 10T	7/27/2017 473903	
NOTE: INTRO, Site Name FIN Basin MID Subbasin MA Surface Area (m2)	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER	-22 POND IVER 14222	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	7/27/2017 473903	4917589
NOTE: INTRO, Site Name FIN Basin MID Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (m	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER	14222 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/27/2017 473903	4917589 20 30 0
NOTE: INTRO, Site Name FIN Basin MID Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (Water Temperatur	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER) i) m) re (C)	14222 1 2 17	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	7/27/2017 473903	20 30 0 10
NOTE: INTRO, Site Name FIN Basin MID Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (m Water Temperatur Percent Silt / Organia	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER) i) m) re (C) anics	14222 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	7/27/2017 473903 ation ¹	20 30 0 10 60
NOTE: INTRO, Site Name FIN Basin MID Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (m Water Temperatur Percent Silt / Organ Native Fish Spec	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER) i) m) re (C) anics	14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/27/2017 473903 ation ¹	20 30 0 10 60
NOTE: INTRO, Site Name FIN Basin MID Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (interpretation Water Temperatur Percent Silt / Organ Native Fish Spec Oregon Chub	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER) i) m) re (C) anics	14222 1 2 17	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	7/27/2017 473903 ation ¹	20 30 0 10 60
NOTE: INTRO, Site Name FIN Basin MID Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (interpretation Water Temperatur Percent Silt / Orga Native Fish Spec Oregon Chub Cottids	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER I) II) III) III) IIII) IIII IIIIIIIII	14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	7/27/2017 473903 ation ¹	20 30 0 10 60
NOTE: INTRO, Site Name FIN Basin MID Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (in) Water Temperatur Percent Silt / Orga Native Fish Spec Oregon Chub Cottids Speckled Dace	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER) in) m) re (C) anics ies Collected:	14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	7/27/2017 473903 ation ¹	20 30 0 10 60
NOTE: INTRO, Site Name FIN Basin MID Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (Water Temperatur Percent Silt / Orga Native Fish Spec Oregon Chub Cottids Speckled Dace Redside Shiner	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER) ii) m) re (C) anics ies Collected:	14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	7/27/2017 473903 ation ¹	20 30 0 10 60
NOTE: INTRO, Site Name FIN Basin MIE Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (Water Temperatur Percent Silt / Orga Native Fish Spec Oregon Chub Cottids Speckled Dace Redside Shiner Northern Piken	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER I) II) III) III III III III III III I	14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	7/27/2017 473903 ation ¹	20 30 0 10 60
NOTE: INTRO, Site Name FIN Basin MIE Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (Water Temperatur Percent Silt / Orga Native Fish Spec Oregon Chub Cottids Speckled Dace Redside Shiner Northern Piken Largescale Suc	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER I) II) III) III III III III III III I	14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	7/27/2017 473903 ation ¹	20 30 0 10 60
NOTE: INTRO, Site Name FIN Basin MIE Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (Water Temperatur Percent Silt / Orga Native Fish Spec Oregon Chub Cottids Speckled Dace Redside Shiner Northern Piken	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER I) II) III) III III III III III III I	14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	7/27/2017 473903 ation ¹	20 30 0 10 60
NOTE: INTRO, Site Name FIN Basin MIE Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (Water Temperatur Percent Silt / Orga Native Fish Spec Oregon Chub Cottids Speckled Dace Redside Shiner Northern Piken Largescale Suc	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER I) II) III) III) IIII) IIII IIIIIIIII	14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/27/2017 473903 ation ¹	20 30 0 10 60
NOTE: INTRO, Site Name FIN Basin MID Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (in) Water Temperatur Percent Silt / Orga Native Fish Spec Oregon Chub Cottids Speckled Dace Redside Shiner Northern Piken Largescale Suc Sand Rollers	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER I) II) III) III) IIII IIII IIIII IIII IIII IIII IIII IIII	14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/27/2017 473903 ation ¹	20 30 0 10 60
NOTE: INTRO, Site Name FIN Basin MID Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (in Water Temperatur Percent Silt / Orga Native Fish Spec Oregon Chub Cottids Speckled Dace Redside Shiner Northern Piken Largescale Suc Sand Rollers Threespine Stice	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER I) II) III) III) IIII IIII IIIII IIII IIII IIII IIII IIII	14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/27/2017 473903 ation ¹	20 30 0 10 60
NOTE: INTRO, Site Name FIN Basin MID Subbasin MA Surface Area (m2) Average Depth (m Maximum Depth (interpretation of the properation of the prope	LEY NWR FIELD- D-WILLAMETTE RI RYS RIVER I) II) III) III) IIII IIII IIIII IIII IIII IIII IIII IIII	14222 1 2 17 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/27/2017 473903 ation ¹	20 30 0 10 60

Basin	FINLEY NWR- GRA	AY CREEK SWAMP RIVER	Map Code Sampling Date	FIN4X 2/3/2017	
Subbasin	MARYS RIVER		Location: Zone 10T	472649	4915908
Surface Are	a (m2)	22872	Types of aquatic veget	ation ¹	
Average De	pth (m)	0.5	Submergent		17
Maximum D		1.5	Emergent		53
			Floating		1
Water Temp	` ,	8	Algae		4
Percent Silt	/ Organics	100	Total		75
Native Fish	Species Collected:		Non-native Fish Specie	s Collected:	
Oregon C	Chub	65	Western Mosquitofis	h	
Cottids			Bullheads		
Speckled	Dace		Common Carp		
Redside	Shiners		Bluegills		
	Pikeminnows		Largemouth Bass		
Largesca	le Suckers		Pumpkinseeds		
Sand Rol	lers		Crappies		
	ne Sticklebacks		Smallmouth Bass		
Salmonid	S ²		Banded Killifish		
Lamprey					
Chiselmo	uth		Other:		
NOTE: IN	ITRO 50 CHUB FRM F	FAIRCHILD, MID+LOW PNE			
)		
Site Name	FINLEY NWR- GRA	AY CREEK SWAMP	Map Code	FIN4X	
Site Name Basin	FINLEY NWR- GRA	AY CREEK SWAMP	Map Code Sampling Date	7/27/2017	
Site Name Basin	FINLEY NWR- GRA	AY CREEK SWAMP	Map Code		4915908
	FINLEY NWR- GRA MID-WILLAMETTE MARYS RIVER	AY CREEK SWAMP	Map Code Sampling Date	7/27/2017 472649	
Site Name Basin Subbasin	FINLEY NWR- GRA MID-WILLAMETTE MARYS RIVER	AY CREEK SWAMP RIVER	Map Code Sampling Date Location: Zone 10T	7/27/2017 472649	
Site Name Basin Subbasin Surface Are Average De	FINLEY NWR- GRA MID-WILLAMETTE MARYS RIVER a (m2) pth (m)	AY CREEK SWAMP RIVER 22872	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	7/27/2017 472649	4915908
Site Name Basin Subbasin Surface Are Average De Maximum D	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m)	22872 0.5 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	7/27/2017 472649	4915908 17
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C)	22872 0.5 1.5 23	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	7/27/2017 472649	4915908 17 53
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C)	22872 0.5 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/27/2017 472649	4915908 17 53 1
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C)	22872 0.5 1.5 23	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	7/27/2017 472649 ation ¹	4915908 17 53 1 4 75
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	22872 0.5 1.5 23	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	7/27/2017 472649 ation ¹	4915908 17 53 1 4 75
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	22872 0.5 1.5 23 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/27/2017 472649 ation ¹	4915908 17 53 1 4 75
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) pepth (m) perature (C) / Organics Species Collected:	22872 0.5 1.5 23 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/27/2017 472649 ation ¹	4915908 17 53 1 4 75
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace	22872 0.5 1.5 23 100 269 24	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	7/27/2017 472649 ation ¹	4915908 17 53 1 4 75
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace	22872 0.5 1.5 23 100 269 24 2217	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	7/27/2017 472649 ation ¹	4915908 17 53 1 4 75
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largesca	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers	22872 0.5 1.5 23 100 269 24 2217	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/27/2017 472649 ation ¹	4915908 17 53 1 4 75
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers	22872 0.5 1.5 23 100 269 24 2217	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/27/2017 472649 ation ¹	4915908 17 53 1 4 75
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largesca Sand Rol Threespir	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	22872 0.5 1.5 23 100 269 24 2217	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/27/2017 472649 ation ¹	4915908 17 53 1 4 75
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largesca Sand Rol	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	22872 0.5 1.5 23 100 269 24 2217 483	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/27/2017 472649 ation ¹	4915908 17 53 1 4 75
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largesca Sand Rol Threespin Salmonid Lamprey	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks s 2	22872 0.5 1.5 23 100 269 24 2217 483	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/27/2017 472649 ation ¹	4915908 17 53 1 4 75
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largesca Sand Rol Threespir	FINLEY NWR- GRAMID-WILLAMETTE MARYS RIVER a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks s 2	22872 0.5 1.5 23 100 269 24 2217 483	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/27/2017 472649 ation ¹	4915908 17 53 1 4 75

Basin MID-	EY-BUFORD POND WILLAMETTE RIVER	•	FBP1E 6/9/2017
	YS RIVER	1 0	472365 4926042
Subbasiii WAI	10 KIVEK	Education. Zone 101	472303 4920042
Surface Area (m2)	2500	Types of aquatic vegetation	on ¹
Average Depth (m)	1	Submergent	60
Maximum Depth (m) 2.5	Emergent	20
Water Temperature		Floating	10
		Algae	10
Percent Silt / Organ	ics 90	Total	100
Native Fish Specie	s Collected:	Non-native Fish Species (Collected:
Oregon Chub	770	Western Mosquitofish	
Cottids		Bullheads	
Speckled Dace		Common Carp	
Redside Shiners		Bluegills	
Northern Pikemi	nnows	Largemouth Bass	
Largescale Suck	ers	Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Stick	ebacks	Smallmouth Bass	
Salmonids ²		Banded Killifish	
Lamprey			
Chiselmouth			
		Other:	
NOTE : 2011 INT	RO, P/A, 10% MOVED		
Site Name GAIL	ACHTERMAN WILDLIFE AREA	Map Code	GAWA3
Basin MID-	WILLAMETTE RIVER	Sampling Date	7/20/2017
Subbasin		Location: Zone 10T	490701 4974071
Surface Area (m2)	750	Types of aquatic vegetation	on ¹
Average Depth (m)	1.5	Submergent	50
Maximum Depth (m) 2	Emergent	30
Water Temperature	(C) 21	Floating	5
		Algae	5
Percent Silt / Organ	ics 40	Total	90
Native Fish Specie	s Collected:	Non-native Fish Species (Collected:
Oregon Chub	0	Western Mosquitofish	1000
Cottids	1	Bullheads	
Speckled Dace		Common Carp	
Redside Shiners		Bluegills	
r todolao ominoro	nnows 1	Largemouth Bass	1
Northern Pikemi		Pumpkinseeds	1
	ers		
Northern Pikemi	ers	Crappies	
Northern Pikemi Largescale Suck		Crappies Smallmouth Bass	
Northern Pikemi Largescale Suck Sand Rollers			
Northern Pikemi Largescale Suck Sand Rollers Threespine Stick		Smallmouth Bass	

Basin MID-WILLAMETT Subbasin	AN WILDLIFE AREA TE RIVER	Map Code Sampling Date Location: Zone 10T	GAWA1 7/20/2017 490774 4974443
Surface Area (m2)	12000	Types of aquatic veget	tation ¹
Average Depth (m)	1	Submergent	5
Maximum Depth (m)	1.5	Emergent	70
Water Temperature (C)	22	Floating	1
		Algae	1
Percent Silt / Organics	70	Total	77
Native Fish Species Collected	l:	Non-native Fish Specie	es Collected:
Oregon Chub	0	Western Mosquitofis	sh
Cottids		Bullheads	1
Speckled Dace		Common Carp	
Redside Shiners		Bluegills	2
Northern Pikeminnows	3	Largemouth Bass	1
Largescale Suckers		Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks		Smallmouth Bass	
Salmonids ²		Banded Killifish	
Lamprey Chiselmouth		Othory	CDEEN-1
		Other:	GREEN=1
NOTE: NONNATIVE LUDWI	GIA, YP=2, YBH, BG\PK=20		
		Man Code	GAWAA
Site Name GAIL ACHTERM	AN WILDLIFE AREA	Map Code	GAWA4 7/20/2017
Site Name GAIL ACHTERM Basin MID-WILLAMETT	AN WILDLIFE AREA	Sampling Date	7/20/2017
Site Name GAIL ACHTERM Basin MID-WILLAMETT	AN WILDLIFE AREA	·	
Site Name GAIL ACHTERM Basin MID-WILLAMETT Subbasin	AN WILDLIFE AREA	Sampling Date	7/20/2017 490563 4973675
Site Name GAIL ACHTERM Basin MID-WILLAMETT Subbasin Surface Area (m2)	AN WILDLIFE AREA TE RIVER	Sampling Date Location: Zone 10T	7/20/2017 490563 4973675
Site Name GAIL ACHTERM Basin MID-WILLAMETT Subbasin Surface Area (m2) Average Depth (m)	AN WILDLIFE AREA TE RIVER	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	7/20/2017 490563 4973675 tation ¹ 50 20
Site Name GAIL ACHTERM Basin MID-WILLAMETT Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	AN WILDLIFE AREA TE RIVER 80 0.75	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/20/2017 490563 4973675 tation ¹ 50 20 0
Site Name GAIL ACHTERM Basin MID-WILLAMETT Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	80 0.75 1.5 22	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	7/20/2017 490563 4973675 tation ¹ 50 20 0 1
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	80 0.75 1.5 22 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	7/20/2017 490563 4973675 tation ¹ 50 20 0 1 71
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected	80 0.75 1.5 22 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/20/2017 490563 4973675 tation ¹ 50 20 0 1 71 es Collected:
Site Name Basin Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub	80 0.75 1.5 22 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	7/20/2017 490563 4973675 tation ¹ 50 20 0 1 71 es Collected:
Site Name Basin Basin MID-WILLAMETT Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected	80 0.75 1.5 22 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	7/20/2017 490563 4973675 tation ¹ 50 20 0 1 71 es Collected:
Site Name Basin MID-WILLAMETT Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace	80 0.75 1.5 22 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	7/20/2017 490563 4973675 tation ¹ 50 20 0 1 71 es Collected:
Site Name Basin MID-WILLAMETT Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners	80 0.75 1.5 22 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	7/20/2017 490563 4973675 tation ¹ 50 20 0 1 71 es Collected:
Site Name Basin MID-WILLAMETT Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace	80 0.75 1.5 22 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	7/20/2017 490563 4973675 tation ¹ 50 20 0 1 71 es Collected:
Site Name Basin MID-WILLAMETT Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners	80 0.75 1.5 22 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	7/20/2017 490563 4973675 tation ¹ 50 20 0 1 71 es Collected:
Site Name Basin MID-WILLAMETT Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	80 0.75 1.5 22 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	7/20/2017 490563 4973675 tation ¹ 50 20 0 1 71 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	80 0.75 1.5 22 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/20/2017 490563 4973675 tation ¹ 50 20 0 1 71 es Collected:
Site Name Basin Basin MID-WILLAMETT Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	80 0.75 1.5 22 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/20/2017 490563 4973675 tation ¹ 50 20 0 1 71 es Collected:
Site Name Basin Basin MID-WILLAMETT Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	80 0.75 1.5 22 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/20/2017 490563 4973675 tation ¹ 50 20 0 1 71 es Collected:
Site Name Basin MID-WILLAMETT Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	80 0.75 1.5 22 60	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/20/2017 490563 4973675 tation ¹ 50 20 0 1 71 es Collected:

Basin MID-WILLAMETTE Subbasin	I WILDLIFE AREA RIVER	Map Code Sampling Date Location: Zone 10T	GAWA5 7/20/2017 490094 4972993
Surface Area (m2)	1200	Types of aquatic veget	ation ¹
Average Depth (m)	1	Submergent	50
Maximum Depth (m)	1.5	Emergent	5
Water Temperature (C)	22	Floating	0
		Algae	10
Percent Silt / Organics	50	Total	65
Native Fish Species Collected:		Non-native Fish Specie	es Collected:
Oregon Chub	0	Western Mosquitofis	sh
Cottids	2	Bullheads	
Speckled Dace		Common Carp	
Redside Shiners		Bluegills	
Northern Pikeminnows	9	Largemouth Bass	
Largescale Suckers		Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks		Smallmouth Bass	
Salmonids ²		Banded Killifish	2
Lamprey			
Chiselmouth	1	Other:	GREEN=1
NOTE: NEAR UPS MOUTH, P. Site Name GAIL ACHTERMAN Basin MID-WILLAMETTE	WILDLIFE AREA	Map Code Sampling Date	GAWA2 7/20/2017
Site Name GAIL ACHTERMAN	WILDLIFE AREA	Map Code	GAWA2
Site Name GAIL ACHTERMAN Basin MID-WILLAMETTE	WILDLIFE AREA	Map Code Sampling Date	GAWA2 7/20/2017 490771 4974233
Site Name GAIL ACHTERMAN Basin MID-WILLAMETTE Subbasin Surface Area (m2)	WILDLIFE AREA RIVER	Map Code Sampling Date Location: Zone 10T	GAWA2 7/20/2017 490771 4974233
Site Name GAIL ACHTERMAN Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m)	WILDLIFE AREA RIVER 10000 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	GAWA2 7/20/2017 490771 4974233 ation ¹
Site Name Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	10000 0.5 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	GAWA2 7/20/2017 490771 4974233 ation ¹
Site Name Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	10000 0.5 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	GAWA2 7/20/2017 490771 4974233 ation ¹ 70 10
Site Name Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	10000 0.5 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	GAWA2 7/20/2017 490771 4974233 ation ¹ 70 10 5
Site Name Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	10000 0.5 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	GAWA2 7/20/2017 490771 4974233 ation ¹ 70 10 5 5 90
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	10000 0.5 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	GAWA2 7/20/2017 490771 4974233 ation 1 70 10 5 5 90 es Collected:
Site Name Basin Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	10000 0.5 2 20 70	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	GAWA2 7/20/2017 490771 4974233 ation 1 70 10 5 5 90 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	10000 0.5 2 20 70	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	GAWA2 7/20/2017 490771 4974233 ation 1 70 10 5 5 90 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	10000 0.5 2 20 70	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	GAWA2 7/20/2017 490771 4974233 ation 1 70 10 5 5 90 es Collected:
Site Name Basin Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	10000 0.5 2 20 70	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	GAWA2 7/20/2017 490771 4974233 ation 1 70 10 5 5 90 es Collected:
Site Name Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	10000 0.5 2 20 70 0 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	GAWA2 7/20/2017 490771 4974233 ation 1 70 10 5 5 90 es Collected:
Site Name Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	10000 0.5 2 20 70 0 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	GAWA2 7/20/2017 490771 4974233 ation 1 70 10 5 5 90 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	10000 0.5 2 20 70 0 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	GAWA2 7/20/2017 490771 4974233 ation 1 70 10 5 5 90 es Collected:
Site Name Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	10000 0.5 2 20 70 0 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	GAWA2 7/20/2017 490771 4974233 ation 1 70 10 5 5 90 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	10000 0.5 2 20 70 0 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	GAWA2 7/20/2017 490771 4974233 ation 1 70 10 5 5 90 es Collected:
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2 CH	10000 0.5 2 20 70 0 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	GAWA2 7/20/2017 490771 4974233 ation 1 70 10 5 5 90 es Collected:

Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE I Subbasin		Map Code Sampling Date Location: Zone 10T	JF4* 9/14/2017 480078	, 4940154
Surface Area (m2)	100	Types of aquatic veget	ation ¹	
Average Depth (m)	0.6	Submergent		25
Maximum Depth (m)	1.2	Emergent		30
		Floating		5
Water Temperature (C)	16	Algae		10
Percent Silt / Organics	90	Total		70
Native Fish Species Collected:		Non-native Fish Specie	s Collected	:
Oregon Chub	0	Western Mosquitofis	h	200
Cottids	7	Bullheads		
Speckled Dace	13	Common Carp		
Redside Shiners	5	Bluegills		
Northern Pikeminnows	1	Largemouth Bass		
Largescale Suckers	1	Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks	47	Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey				
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF		Other:	JF5*	RSS/SD=1
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE I			JF5* 9/14/2017 480137	
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE F Subbasin		Map Code Sampling Date	9/14/2017 480137	,
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE F Subbasin Surface Area (m2)	RIVER	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	9/14/2017 480137	,
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m)	540 1	Map Code Sampling Date Location: Zone 10T	9/14/2017 480137	, 4940196
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	540 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	9/14/2017 480137	, 4940196 25
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	540 1 2 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	9/14/2017 480137	, 4940196 25 30
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	540 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/14/2017 480137	, 4940196 25 30 5
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	540 1 2 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/14/2017 480137 ation ¹	, 4940196 25 30 5 10 70
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	540 1 2 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	9/14/2017 480137 ation ¹	, 4940196 25 30 5 10 70
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	540 1 2 21 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/14/2017 480137 ation ¹	25 30 5 10 70
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	540 1 2 21 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	9/14/2017 480137 ation ¹	25 30 5 10 70
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE IS Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	540 1 2 21 100 0 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	9/14/2017 480137 ation ¹	25 30 5 10 70
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE IS Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	540 1 2 21 100 0 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/14/2017 480137 ation ¹	, 4940196 25 30 5 10 70 :
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	540 1 2 21 100 0 1 2 3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/14/2017 480137 ation ¹	, 4940196 25 30 5 10 70 :
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	540 1 2 21 100 0 1 2 3 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/14/2017 480137 ation ¹	, 4940196 25 30 5 10 70 :
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	540 1 2 21 100 0 1 2 3 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/14/2017 480137 ation ¹	, 4940196 25 30 5 10 70 :
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	540 1 2 21 100 0 1 2 3 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/14/2017 480137 ation ¹	, 4940196 25 30 5 10 70 :
Chiselmouth NOTE: P/A, S CHNL Site Name JACKSON-FRAZIEF Basin MID-WILLAMETTE IS Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	540 1 2 21 100 0 1 2 3 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/14/2017 480137 ation ¹	, 4940196 25 30 5 10 70 :

Site Name JACKSON-FRAZIEI Basin MID-WILLAMETTE Subbasin		Map Code Sampling Date Location: Zone 10T	JF6* 9/14/2017 479949	4940172
Surface Area (m2)	400	Types of aquatic veget	ation ¹	
Average Depth (m)	0.8	Submergent		25
Maximum Depth (m)	1.4	Emergent		30
Water Temperature (C)	16	Floating		5
		Algae		10
Percent Silt / Organics	90	Total		70
Native Fish Species Collected:		Non-native Fish Specie	es Collected	:
Oregon Chub	0	Western Mosquitofis	sh	
Cottids	3	Bullheads		
Speckled Dace	3	Common Carp		
Redside Shiners	96	Bluegills		1
Northern Pikeminnows		Largemouth Bass		
Largescale Suckers	1	Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks	34	Smallmouth Bass		
Salmonids ²		Banded Killifish		
1				
Lamprey Chiselmouth				
Chiselmouth		Other:		
Chiselmouth	N ON S CHNL	Other:		
Chiselmouth NOTE: P/A, BRAIDED SECTION		Other: Map Code	JF3*	
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIE	R WETLAND		JF3* 9/14/2017	
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEN Basin MID-WILLAMETTE	R WETLAND	Map Code		4940152
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEN Basin MID-WILLAMETTE Subbasin	R WETLAND	Map Code Sampling Date	9/14/2017 480407	
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEN Basin MID-WILLAMETTE Subbasin Surface Area (m2)	R WETLAND RIVER	Map Code Sampling Date Location: Zone 10T	9/14/2017 480407	
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEN Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m)	R WETLAND RIVER 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	9/14/2017 480407	4940152
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEI Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	R WETLAND RIVER 90 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	9/14/2017 480407	4940152
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEN Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	R WETLAND RIVER 90 1 2 17	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	9/14/2017 480407	4940152 20 20
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEN Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	R WETLAND RIVER 90 1 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/14/2017 480407	20 20 0
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEN Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	R WETLAND RIVER 90 1 2 17	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/14/2017 480407 ation ¹	20 20 0 5 45
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEN Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	R WETLAND RIVER 90 1 2 17	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	9/14/2017 480407 ation ¹	20 20 0 5 45
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEI Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	90 1 2 17 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/14/2017 480407 ation ¹	20 20 0 5 45
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEI Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	90 1 2 17 90 0	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	9/14/2017 480407 ation ¹	20 20 0 5 45
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEI Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	90 1 2 17 90 0 3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	9/14/2017 480407 ation ¹	20 20 0 5 45
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEI Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	90 1 2 17 90 0 3 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/14/2017 480407 ation ¹	20 20 0 5 45
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEI Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	90 1 2 17 90 0 3 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/14/2017 480407 ation ¹	20 20 0 5 45
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEI Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	90 1 2 17 90 0 3 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/14/2017 480407 ation ¹	20 20 0 5 45
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEI Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	90 1 2 17 90 0 3 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/14/2017 480407 ation ¹	20 20 0 5 45
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEI Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	90 1 2 17 90 0 3 2 5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/14/2017 480407 ation ¹	20 20 0 5 45
Chiselmouth NOTE: P/A, BRAIDED SECTION Site Name JACKSON-FRAZIEI Basin MID-WILLAMETTE Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	90 1 2 17 90 0 3 2 5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/14/2017 480407 ation ¹	20 20 0 5 45

Basin MID-WILLAMETTE R Subbasin	WETLAND IVER	Map Code Sampling Date Location: Zone 10T	JF2* 9/14/2017 480646	4939784	
Surface Area (m2) 100		Types of aquatic vegetation ¹			
Average Depth (m)	0.3	Submergent		20	
Maximum Depth (m)	1	Emergent		5	
	•	Floating		0	
Water Temperature (C)	17	Algae		5	
Percent Silt / Organics	80	Total		30	
Native Fish Species Collected:		Non-native Fish Specie	es Collected:		
Oregon Chub	0	Western Mosquitofis	sh		
Cottids		Bullheads			
Speckled Dace		Common Carp			
Redside Shiners		Bluegills			
Northern Pikeminnows		Largemouth Bass			
Largescale Suckers		Pumpkinseeds			
Sand Rollers		Crappies			
Threespine Sticklebacks		Smallmouth Bass			
Salmonids ²		Banded Killifish			
Lamprey					
Chiselmouth		Othern		NO FISH	
NOTE: P/A, EAST OF HWY 99, S		Other:			
	WETLAND	Map Code Sampling Date Location: Zone 10T	JF1* 9/14/2017 480682	4939854	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R	WETLAND	Map Code Sampling Date	9/14/2017 480682		
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin	WETLAND IVER	Map Code Sampling Date Location: Zone 10T	9/14/2017 480682		
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2)	WETLAND IVER 400	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	9/14/2017 480682	4939854	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	WETLAND IVER 400 0.65 1.4	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	9/14/2017 480682	4939854	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	WETLAND IVER 400 0.65 1.4 16	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/14/2017 480682	70 10 10 10	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	WETLAND IVER 400 0.65 1.4	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/14/2017 480682	4939854 70 10 10	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	WETLAND IVER 400 0.65 1.4 16 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/14/2017 480682 ation ¹	70 10 10 10 10	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	WETLAND IVER 400 0.65 1.4 16 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/14/2017 480682 ation ¹	70 10 10 10	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	WETLAND IVER 400 0.65 1.4 16 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	9/14/2017 480682 ation ¹	70 10 10 10 10	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	WETLAND IVER 400 0.65 1.4 16 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/14/2017 480682 ation ¹	70 10 10 10 10	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	WETLAND IVER 400 0.65 1.4 16 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/14/2017 480682 ation ¹	70 10 10 10 10	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	WETLAND IVER 400 0.65 1.4 16 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/14/2017 480682 ation ¹	70 10 10 10 10	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	WETLAND IVER 400 0.65 1.4 16 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/14/2017 480682 ation ¹	70 10 10 10 10	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	WETLAND IVER 400 0.65 1.4 16 90 0 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/14/2017 480682 ation ¹	70 10 10 10 10	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	WETLAND IVER 400 0.65 1.4 16 90	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/14/2017 480682 ation ¹	70 10 10 10 10	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids ²	WETLAND IVER 400 0.65 1.4 16 90 0 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/14/2017 480682 ation ¹	70 10 10 10 10	
NOTE: P/A, EAST OF HWY 99, S Site Name JACKSON-FRAZIER Basin MID-WILLAMETTE R Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	WETLAND IVER 400 0.65 1.4 16 90 0 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/14/2017 480682 ation ¹	70 10 10 10 10	

3asin	MURPHY POND MID-WILLAMETTE RIV	ÆR.	Map Code Sampling Date	MURPHY 6/9/2017	1D
Subbasin	MARYS RIVER		Location: Zone 10T	473134	4926405
Surface Area	(m2)	2500	Types of aquatic veget	ation ¹	
Average Dep	th (m)	0.75	Submergent		10
Maximum De		2	Emergent		20
		۷	Floating		5
Nater Tempe			Algae		0
Percent Silt /	Organics	100	Total		35
lative Fish S	Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Ch	nub	37	Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled D	Dace		Common Carp		
Redside SI	hiners		Bluegills		
Northern F	Pikeminnows		Largemouth Bass		
Largescale	Suckers		Pumpkinseeds		
Sand Rolle	ers		Crappies		
Threespine	e Sticklebacks		Smallmouth Bass		
Salmonids	2		Banded Killifish		
Lamprey					
01: 1	th		Otherm		
Chiselmou	u i				
		D AZOLLA REMOVE	Other:		
NOTE: 37	INTRO FINLEY-BUFORI	D, AZOLLA REMOVE	D		
NOTE: 37	INTRO FINLEY-BUFORI		D Map Code	RICKREA	LL2
IOTE: 37	INTRO FINLEY-BUFORI RICKREALL CREEK MID-WILLAMETTE RIV		Map Code Sampling Date	7/20/2017	
NOTE: 37 Site Name Basin	INTRO FINLEY-BUFORI		D Map Code		LL2 4974924
NOTE: 37 Site Name Basin Subbasin	INTRO FINLEY-BUFORI RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK		Map Code Sampling Date	7/20/2017 490762	
NOTE: 37	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2)	/ER	Map Code Sampling Date Location: Zone 10T	7/20/2017 490762	
NOTE: 37 Site Name Basin Subbasin Surface Area	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m)	ZER 2000	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	7/20/2017 490762	4974924
NOTE: 37 Site Name Basin Subbasin Surface Area Average Dep	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) ppth (m)	2000 0.35 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	7/20/2017 490762	4974924 5
NOTE: 37 Site Name Basin Subbasin Surface Area Average Dep Maximum De	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C)	2000 0.35 1.5 18	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	7/20/2017 490762	4974924 5 5
NOTE: 37 Site Name Basin Subbasin Surface Area Average Dep Maximum De	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C)	2000 0.35 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/20/2017 490762	4974924 5 5 1
NOTE: 37 Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt /	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C)	2000 0.35 1.5 18	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	7/20/2017 490762 cation ¹	5 5 1 20 30
NOTE: 37 Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt /	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C) Organics Species Collected:	2000 0.35 1.5 18	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	7/20/2017 490762 sation ¹	5 5 1 20 30
NOTE: 37 Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt /	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C) Organics Species Collected:	2000 0.35 1.5 18 40	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/20/2017 490762 sation ¹	5 5 1 20 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C) Organics Species Collected: nub	2000 0.35 1.5 18 40	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/20/2017 490762 sation ¹	5 5 1 20 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Vater Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C) Organics Species Collected: nub	2000 0.35 1.5 18 40 0 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	7/20/2017 490762 sation ¹	5 5 1 20 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Vater Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled E Redside Si	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C) Organics Species Collected: nub	2000 0.35 1.5 18 40 0 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	7/20/2017 490762 sation ¹	5 5 1 20 30
Site Name Basin Subbasin Surface Area Everage Dep Maximum De Vater Tempe Percent Silt / Iative Fish S Oregon Ch Cottids Speckled E Redside Si	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows	2000 0.35 1.5 18 40 0 2 2 2	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	7/20/2017 490762 sation ¹	5 5 1 20 30
Site Name Basin Subbasin Surface Area Average Dep Maximum De Vater Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled E Redside SI Northern F	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers	2000 0.35 1.5 18 40 0 2 2 2 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	7/20/2017 490762 sation ¹	5 5 1 20 30
Site Name Basin Subbasin Subbasin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside SI Northern F Largescale Sand Rolle	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers	2000 0.35 1.5 18 40 0 2 2 2 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/20/2017 490762 sation ¹	5 5 1 20 30
Site Name Basin Subbasin Subbasin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside SI Northern F Largescale Sand Rolle	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C) Organics Species Collected: nub Dace hiners Pikeminnows e Suckers ers e Sticklebacks	2000 0.35 1.5 18 40 0 2 2 2 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/20/2017 490762 sation ¹	5 5 1 20 30
Site Name Basin Subbasin Subbasin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside SI Northern F Largescale Sand Rolle Threespine	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C) Organics Species Collected: nub Dace hiners Pikeminnows e Suckers ers e Sticklebacks	2000 0.35 1.5 18 40 0 2 2 2 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/20/2017 490762 sation ¹	5 5 1 20 30
Site Name Basin Subbasin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside Si Northern F Largescale Sand Rolle Threespine Salmonids	RICKREALL CREEK MID-WILLAMETTE RIV RICKREALL CREEK (m2) th (m) epth (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers ers e Sticklebacks 2	2000 0.35 1.5 18 40 0 2 2 2 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/20/2017 490762 sation ¹	5 5 1 20 30

2 1 1 1	RIVER	Map Code Sampling Date	SAMDAW 5/24/2017	
Subbasin		Location: Zone 10T	482094	4917442
Surface Area (m2)	5000	Types of aquatic veget	ation ¹	
Average Depth (m)	1	Submergent		5
Maximum Depth (m)	2	Emergent		30
Water Temperature (C)		Floating		0
. , ,	40	Algae		1
Percent Silt / Organics	40	Total		36
Native Fish Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Chub	0	Western Mosquitofis	sh	
Cottids	1	Bullheads		
Speckled Dace		Common Carp		
Redside Shiners		Bluegills		
Northern Pikeminnows		Largemouth Bass		
Largescale Suckers		Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks	350	Smallmouth Bass		
Salmonids ² UT	1	Banded Killifish		
Lamprey				
	4			
Site Name SAM DAWS LANDII		Map Code	SAMDAW	
NOTE: SLOUGH NW OF GRAV Site Name SAM DAWS LANDII Basin MID-WILLAMETTE I	EL PIT, GOOD HABITAT	Map Code Sampling Date	5/24/2017	
NOTE: SLOUGH NW OF GRAV	EL PIT, GOOD HABITAT	Map Code	_	
NOTE: SLOUGH NW OF GRAV Site Name SAM DAWS LANDII Basin MID-WILLAMETTE I	EL PIT, GOOD HABITAT	Map Code Sampling Date	5/24/2017 482307	
NOTE: SLOUGH NW OF GRAV Site Name SAM DAWS LANDII Basin MID-WILLAMETTE I Subbasin	EL PIT, GOOD HABITAT N G GRAVEL PIT RIVER	Map Code Sampling Date Location: Zone 10T	5/24/2017 482307	
NOTE: SLOUGH NW OF GRAV Site Name SAM DAWS LANDII Basin MID-WILLAMETTE I Subbasin Surface Area (m2)	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	5/24/2017 482307	4917352 40 40
NOTE: SLOUGH NW OF GRAV Site Name SAM DAWS LANDII Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	5/24/2017 482307	4917352 40 40 1
NOTE: SLOUGH NW OF GRAV Site Name SAM DAWS LANDII Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	5/24/2017 482307	4917352 40 40 1 5
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	5/24/2017 482307 ration ¹	4917352 40 40 1 5 86
NOTE: SLOUGH NW OF GRAV Site Name Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	5/24/2017 482307 (ation ¹	4917352 40 40 1 5 86
NOTE: SLOUGH NW OF GRAV Site Name SAM DAWS LANDII Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	5/24/2017 482307 (ation ¹	4917352 40 40 1 5 86
NOTE: SLOUGH NW OF GRAV Site Name SAM DAWS LANDII Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	5/24/2017 482307 (ation ¹	4917352 40 40 1 5 86
NOTE: SLOUGH NW OF GRAV Site Name SAM DAWS LANDII Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	5/24/2017 482307 (ation ¹	4917352 40 40 1 5 86
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	5/24/2017 482307 (ation ¹	4917352 40 40 1 5 86
NOTE: SLOUGH NW OF GRAV Site Name Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	5/24/2017 482307 (ation ¹	4917352 40 40 1 5 86
NOTE: SLOUGH NW OF GRAV Site Name Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	5/24/2017 482307 (ation ¹	4917352 40 40 1 5 86
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5 1.5 80 0	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	5/24/2017 482307 (ation ¹	4917352 40 40 1 5 86
NOTE: SLOUGH NW OF GRAV Site Name Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/24/2017 482307 (ation ¹	4917352 40 40 1 5 86
NOTE: SLOUGH NW OF GRAV Site Name SAM DAWS LANDII Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5 1.5 80 0	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	5/24/2017 482307 (ation ¹	4917352 40 40 1 5 86
NOTE: SLOUGH NW OF GRAV Site Name Basin MID-WILLAMETTE I Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	EL PIT, GOOD HABITAT NG GRAVEL PIT RIVER 10000 0.5 1.5 80 0	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	5/24/2017 482307 (ation ¹	4917352 40 40 1 5 86

MOLALLA RIVER BASIN

Basin MOLALLA RIVER Subbasin		Map Code Sampling Date Location: Zone 10T	CAMPA1 6/1/2017 540102	5001239
Surface Area (m2)	3750	Types of aquatic veget	ation ¹	
Average Depth (m)	0.5	Submergent		0
Maximum Depth (m)	1	Emergent		5
	•	Floating		1
Water Temperature (C)	14	Algae		0
Percent Silt / Organics	10	Total		6
Native Fish Species Collected:		Non-native Fish Specie	es Collected	:
Oregon Chub	1	Western Mosquitofis	sh	
Cottids	19	Bullheads		
Speckled Dace	124	Common Carp		
Redside Shiners	26	Bluegills		
Northern Pikeminnows		Largemouth Bass		
Largescale Suckers		Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks		Smallmouth Bass		
Salmonids ²		Banded Killifish		
Lamprey				
Chiselmouth		0.11		
		Other:		
NOTE: CONFLUENCE OF MILE	K CR AND NATE CR	Canon:		
NOTE: CONFLUENCE OF MILE	K CR AND NATE CR			
Site Name CAMP ADAMS 2	K CR AND NATE CR	Map Code	CAMPA2	
Site Name CAMP ADAMS 2 Basin MOLALLA RIVER	K CR AND NATE CR	Map Code Sampling Date	6/1/2017	
Site Name CAMP ADAMS 2 Basin MOLALLA RIVER	K CR AND NATE CR	Map Code		5001762
Site Name CAMP ADAMS 2	CR AND NATE CR	Map Code Sampling Date	6/1/2017 540073	
Site Name CAMP ADAMS 2 Basin MOLALLA RIVER Subbasin		Map Code Sampling Date Location: Zone 10T	6/1/2017 540073	
Site Name Basin Subbasin CAMP ADAMS 2 MOLALLA RIVER Subbasin Surface Area (m2) Average Depth (m)	1200	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	6/1/2017 540073	5001762
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	1200 0.75 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	6/1/2017 540073	5001762
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	1200 0.75 1.5 16	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	6/1/2017 540073	5001762 0 10
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C)	1200 0.75 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	6/1/2017 540073	0 10 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m)	1200 0.75 1.5 16	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	6/1/2017 540073	5001762 0 10 0 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	1200 0.75 1.5 16	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	6/1/2017 540073 ration ¹	5001762 0 10 0 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected:	1200 0.75 1.5 16 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	6/1/2017 540073 ration ¹	5001762 0 10 0 0
Site Name Basin Subbasin CAMP ADAMS 2 MOLALLA RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub	1200 0.75 1.5 16 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	6/1/2017 540073 ration ¹	5001762 0 10 0 0
Site Name Basin Subbasin CAMP ADAMS 2 MOLALLA RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids	1200 0.75 1.5 16 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	6/1/2017 540073 ration ¹	5001762 0 10 0 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace	1200 0.75 1.5 16 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	6/1/2017 540073 ration ¹	5001762 0 10 0 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners	1200 0.75 1.5 16 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	6/1/2017 540073 ration ¹	5001762 0 10 0 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows	1200 0.75 1.5 16 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	6/1/2017 540073 ration ¹	5001762 0 10 0 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers	1200 0.75 1.5 16 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	6/1/2017 540073 ration ¹	5001762 0 10 0 0
Site Name Basin Subbasin CAMP ADAMS 2 MOLALLA RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	1200 0.75 1.5 16 15	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	6/1/2017 540073 ration ¹	5001762 0 10 0 0
Site Name Basin Subbasin CAMP ADAMS 2 MOLALLA RIVER Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	1200 0.75 1.5 16 15 0 16 193	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/1/2017 540073 ration ¹	5001762 0 10 0 0
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collected: Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids 2 CT	1200 0.75 1.5 16 15 0 16 193	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/1/2017 540073 ration ¹	5001762 0 10 0 0

MOLALLA RIVER BASIN

Subbasin Surface Area (n				6/1/2017
Surface Area (n			Location: Zone 10T	540335 5001874
	n2)	1000	Types of aquatic veget	ation ¹
Average Depth	(m)	0.5	Submergent	0
Maximum Deptl	n (m)	1	Emergent	10
' Water Tempera	,	14	Floating	0
· ·	,	* *	Algae	0
Percent Silt / Or	rganics	10	Total	10
Native Fish Sp	ecies Collected:		Non-native Fish Specie	es Collected:
Oregon Chuk)	0	Western Mosquitofis	sh
Cottids		14	Bullheads	
Speckled Da	ce	108	Common Carp	
Redside Shir	ners		Bluegills	
Northern Pik	eminnows		Largemouth Bass	
Largescale S	uckers		Pumpkinseeds	
Sand Rollers			Crappies	
Threespine S	ticklebacks		Smallmouth Bass	
Salmonids ²			Banded Killifish	
Lamprey				
Chiselmouth			Other:	

Basin	SANTIAM RIVER	Jon	Map Code Sampling Date	BH1C 6/22/2017	
Subbasin	NORTH SANTIAM		Location: Zone 10T	521285	4959235
Surface Area	a (m2)	7000	Types of aquatic veget	ation ¹	
Average Dep	oth (m)	0.5	Submergent		45
Maximum De	epth (m)	1.5	Emergent		15
Water Temp		15	Floating		0
			Algae		15
Percent Silt /	Organics	85	Total		75
Native Fish	Species Collected:		Non-native Fish Specie	es Collected	:
Oregon Cl	hub	500	Western Mosquitofis	h	
Cottids		10	Bullheads		
Speckled	Dace	10	Common Carp		
Redside S	Shiners	10	Bluegills		1
Northern	Pikeminnows	10	Largemouth Bass		
Largescale	e Suckers	10	Pumpkinseeds		
Sand Rolle			Crappies		
	e Sticklebacks		Smallmouth Bass		
Salmonids	s ² CH=1	1	Banded Killifish		
Lamprey					
	A CONTRACTOR OF THE CONTRACTOR				
Chiselmou	uth		Other:		
	uth A, 2015 REST, IFPC	FIELD TRIP	Other:		
NOTE: P//	A, 2015 REST, IFPC				
NOTE: P/	A, 2015 REST, IFPC	FIELD TRIP RREN GRAY) SLOUGH	Map Code	GRAY1S	
NOTE: P// Site Name Basin	A, 2015 REST, IFPC CHAHALPAM (WA SANTIAM RIVER		Map Code Sampling Date	7/7/2017	4057403
NOTE: P// Site Name Basin	A, 2015 REST, IFPC		Map Code		4957493
NOTE: P// Site Name Basin Subbasin	A, 2015 REST, IFPC CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM		Map Code Sampling Date	7/7/2017 513224	4957493
NOTE: P//	A, 2015 REST, IFPC CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2)	RREN GRAY) SLOUGH	Map Code Sampling Date Location: Zone 10T	7/7/2017 513224	4957493
NOTE: P// Site Name Basin Subbasin Surface Area Average Dep	A, 2015 REST, IFPC CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m)	6600 0.25	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	7/7/2017 513224	
NOTE: Phi Site Name Basin Subbasin Surface Area Average Dep Maximum De	CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m)	6600 0.25 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	7/7/2017 513224	50
NOTE: Phi Site Name Basin Subbasin Surface Area Average Dep Maximum De	A, 2015 REST, IFPC CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C)	6600 0.25 1.5 22	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	7/7/2017 513224	50 20
NOTE: Phi Site Name Basin Subbasin Surface Area Average Dep Maximum De	A, 2015 REST, IFPC CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C)	6600 0.25 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	7/7/2017 513224	50 20 5
NOTE: P// Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempor	A, 2015 REST, IFPC CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C)	6600 0.25 1.5 22	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	7/7/2017 513224 ation ¹	50 20 5 10 85
NOTE: P// Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempor	A, 2015 REST, IFPC CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) Corganics Species Collected:	6600 0.25 1.5 22	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	7/7/2017 513224 ation ¹	50 20 5 10 85
NOTE: Phi Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt h	A, 2015 REST, IFPC CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) Corganics Species Collected:	6600 0.25 1.5 22 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	7/7/2017 513224 ation ¹	50 20 5 10 85
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl	CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) COrganics Species Collected:	6600 0.25 1.5 22 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	7/7/2017 513224 ation ¹	50 20 5 10 85
NOTE: Phi Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids	CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) bth (m) epth (m) erature (C) ' Organics Species Collected: hub	6600 0.25 1.5 22 100 11 567	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	7/7/2017 513224 ation ¹	50 20 5 10 85
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S	CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) bth (m) epth (m) erature (C) ' Organics Species Collected: hub	6600 0.25 1.5 22 100 11 567 20	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	7/7/2017 513224 ation ¹	50 20 5 10 85
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S	A, 2015 REST, IFPC CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) COrganics Species Collected: hub Dace Shiners Pikeminnows	6600 0.25 1.5 22 100 11 567 20 103	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	7/7/2017 513224 ation ¹	50 20 5 10 85
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled I Redside S Northern	A, 2015 REST, IFPC CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) Corganics Species Collected: hub Dace Shiners Pikeminnows e Suckers	6600 0.25 1.5 22 100 11 567 20 103 22	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	7/7/2017 513224 ation ¹	50 20 5 10 85 :
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempor Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle	A, 2015 REST, IFPC CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) Corganics Species Collected: hub Dace Shiners Pikeminnows e Suckers	6600 0.25 1.5 22 100 11 567 20 103 22	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	7/7/2017 513224 ation ¹	50 20 5 10 85 :
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempor Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle	CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) COrganics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	6600 0.25 1.5 22 100 11 567 20 103 22 4	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	7/7/2017 513224 ation ¹	50 20 5 10 85 :
NOTE: Phi Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt h Oregon Cl Cottids Speckled l Redside S Northern Largescale Sand Rolle Threespin	CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) Corganics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	6600 0.25 1.5 22 100 11 567 20 103 22 4	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/7/2017 513224 ation ¹	50 20 5 10 85 :
NOTE: Phi Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids Speckled I Redside S Northern Largescale Sand Rolle Threespin Salmonids	CHAHALPAM (WA SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) COrganics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks s² CO	6600 0.25 1.5 22 100 11 567 20 103 22 4	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	7/7/2017 513224 ation ¹	50 20 5 10 85 :

Site Name Basin	CRABTREE CREEK 1 SANTIAM RIVER	TRIB	Map Code Sampling Date	3/17/2017	
Subbasin	SOUTH SANTIAM		Location: Zone 10T	512282	4944737
Surface Area	a (m2)	1200	Types of aquatic veget	ation ¹	
Average De _l	pth (m)	0.6	Submergent		0
Maximum D	epth (m)	2	Emergent		10
Water Temp			Floating		0
			Algae		0
Percent Silt	/ Organics	10	Total		10
Native Fish	Species Collected:		Non-native Fish Specie	es Collected	:
Oregon C	hub	0	Western Mosquitofis	sh	
Cottids		9	Bullheads		
Speckled	Dace	7	Common Carp		
Redside S		3	Bluegills		
Northern	Pikeminnows		Largemouth Bass		
Largescal	le Suckers	1	Pumpkinseeds		
Sand Roll			Crappies		
Threespin	ne Sticklebacks		Smallmouth Bass		1
Salmonid	s² CO	1	Banded Killifish		
Lamprey					
-	uth				
Chiselmo	uui		Other:		
	ELOW AND ABOVE WA	TERFALL ON SM TRIB	Other:		
NOTE: BE	ELOW AND ABOVE WA			DEL V44	
NOTE: BE	ELOW AND ABOVE WA		Map Code	DFLY1A *	
NOTE: BE Site Name Basin	ELOW AND ABOVE WA DRAGONFLY RANCH SANTIAM RIVER		Map Code Sampling Date	9/17/2017	
NOTE: BE	ELOW AND ABOVE WA		Map Code		
NOTE: BE Site Name Basin	ELOW AND ABOVE WA' DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM		Map Code Sampling Date	9/17/2017 515618	
NOTE: BE Site Name Basin Subbasin	DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM	HOUSE POND	Map Code Sampling Date Location: Zone 10T	9/17/2017 515618	
NOTE: BE Site Name Basin Subbasin Surface Area Average Dep	DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m)	3150 1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	9/17/2017 515618	4934086
NOTE: BE Site Name Basin Subbasin Surface Area Average Dep	DRAGONFLY RANCE SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) epth (m)	3150 1 3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent	9/17/2017 515618	4934086
NOTE: BE Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) epth (m) perature (C)	3150 1 3 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	9/17/2017 515618	4934086 65 15
NOTE: BE Site Name Basin Subbasin Surface Area Average Dep Maximum Dec	DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) epth (m) perature (C)	3150 1 3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	9/17/2017 515618	4934086 65 15 5
NOTE: BE Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt	DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) epth (m) perature (C)	3150 1 3 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	9/17/2017 515618 ation ¹	4934086 65 15 5 5
NOTE: BE Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt	DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	3150 1 3 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	9/17/2017 515618 ation ¹	4934086 65 15 5 5
NOTE: BE Site Name Basin Subbasin Surface Area Average Dep Maximum Dec Water Temp Percent Silt Native Fish	DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	3150 1 3 21 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	9/17/2017 515618 ation ¹	4934086 65 15 5 5
NOTE: BE Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C	DRAGONFLY RANCE SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	3150 1 3 21 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	9/17/2017 515618 ation ¹	4934086 65 15 5 5
NOTE: BE Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids	DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	3150 1 3 21 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	9/17/2017 515618 ation ¹	4934086 65 15 5 5
NOTE: BESTATE SITE NAME Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	3150 1 3 21 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/17/2017 515618 ation ¹	4934086 65 15 5 5
NOTE: BE Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: thub Dace Shiners	3150 1 3 21 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/17/2017 515618 ation ¹	4934086 65 15 5 5
NOTE: BE Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers	3150 1 3 21 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/17/2017 515618 ation ¹	4934086 65 15 5 5
NOTE: BE Site Name Basin Subbasin Surface Area Average Dep Maximum Dependent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers	3150 1 3 21 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	9/17/2017 515618 ation ¹	4934086 65 15 5 5
NOTE: BE Site Name Basin Subbasin Surface Area Average Dep Maximum Dependent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	DRAGONFLY RANCE SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	3150 1 3 21 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	9/17/2017 515618 ation ¹	4934086 65 15 5 5
NOTE: BE Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	DRAGONFLY RANCE SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	3150 1 3 21 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/17/2017 515618 ation ¹	4934086 65 15 5 5
NOTE: BE Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	DRAGONFLY RANCH SANTIAM RIVER SOUTH SANTIAM a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks s²	3150 1 3 21 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	9/17/2017 515618 ation ¹	4934086 65 15 5 5

ite Name asin ubbasin	DRAGONFLY RANCH I SANTIAM RIVER SOUTH SANTIAM	JPSLOPE POND 1	Map Code Sampling Date Location: Zone 10T	DFLY2A* 9/17/2017 515482	4934178
urface Area	(m2)	0	Types of aquatic veget	tation 1	
verage Dep		0	Submergent		15
			Emergent		70
aximum De		0	Floating		0
ater Tempe	erature (C)		Algae		5
ercent Silt /	Organics	100	Total		90
ative Fish S	Species Collected:		Non-native Fish Specie	es Collected:	:
Oregon Ch	nub	0	Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled E	Dace		Common Carp		
Redside SI			Bluegills		
	Pikeminnows		Largemouth Bass		
Largescale	e Suckers		Pumpkinseeds		
Sand Rolle			Crappies		
Threespine	e Sticklebacks		Smallmouth Bass		
Salmonids			Banded Killifish		
Lamprey					
Chiselmou	ıth				
			Other:		NO FISH
OTE: DE	SSICATED SUMMER 20	1/			
te Name	DRAGONFLY RANCH	JPSLOPE POND 2	Map Code	DFLY3A*	
asin	SANTIAM RIVER		Sampling Date	9/17/2017	
ubbasin	SOUTH SANTIAM		Location: Zone 10T	515515	4934201
	(0)		Types of aquatic veget	ration 1	
urface Area		0		ation	
verage Dep	th (m)	0	Submergent		15
aximum De	epth (m)	0	Emergent		70
ater Tempe	erature (C)		Floating		0
ercent Silt /		100	Algae		5
	_	100	Total	0-11 / 1	90
	Species Collected:	•	Non-native Fish Specie		
Oregon Ch	nup	0	Western Mosquitofis	sn	
Cottids	5		Bullheads		
Speckled E			Common Carp		
Redside SI			Bluegills		
	Pikeminnows		Largemouth Bass		
Largescale			Pumpkinseeds		
Sand Rolle			Crappies		
•	e Sticklebacks		Smallmouth Bass		
Salmonids	, 4		Banded Killifish		
Lamprey					
Chiselmou	ith		Other:		NO FISH
	th SSICATED SUMMER 20	17	Other:		

Site Name Basin Subbasin	SANTIAM RIVER SOUTH SANTIAM	UPSLOPE POND 3	Map Code Sampling Date Location: Zone 10T	DFLY4A* 9/17/2017 515542	
Surface Area	a (m2)	400	Types of aquatic veget	ation ¹	
Average Dep		0.5	Submergent		15
Maximum De		1	Emergent		70
		·	Floating		0
Water Temp	. ,	21	Algae		5
Percent Silt /	Organics	100	Total		90
Native Fish	Species Collected:		Non-native Fish Specie	es Collected	:
Oregon Cl Cottids		0	Western Mosquitofis Bullheads	sh	
Speckled			Common Carp		
Redside S			Bluegills		
	Pikeminnows		Largemouth Bass		
Largescal			Pumpkinseeds Crappies		
	ers e Sticklebacks		Crappies Smallmouth Bass		
Salmonide			Banded Killifish		
Lamprey	.41.				NO FIGUR
Chiselmou	OND DRAINED FOR INT	RO, BBH REMOVED	Other:		NO FISH
NOTE: PO		·	Other: Map Code	FOS2W	NO FISH
NOTE: PO	OND DRAINED FOR INT FOSTER PULLOUT POSANTIAM RIVER	·		FOS2W 4/4/2017	NO FISH
NOTE: PO	OND DRAINED FOR INT	·	Map Code		4918568
NOTE: PO Site Name Basin Subbasin	OND DRAINED FOR INT FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM	·	Map Code Sampling Date	4/4/2017 529156	
NOTE: PO Site Name Basin Subbasin Surface Area	FOSTER PULLOUT POSTER PULLOUT POSTER PULLOUT POSTER PULLOUT POSTER SOUTH SANTIAM	OND	Map Code Sampling Date Location: Zone 10T	4/4/2017 529156	
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM a (m2) oth (m)	OND 1500	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	4/4/2017 529156	4918568
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM a (m2) bth (m) epth (m)	1500 0.5 1.1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	4/4/2017 529156	4918568
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM a (m2) both (m) epth (m) erature (C)	1500 0.5 1.1 7.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	4/4/2017 529156	4918568 35 10 35 15
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM a (m2) both (m) epth (m) erature (C)	1500 0.5 1.1	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	4/4/2017 529156	4918568 35 10 35
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempor	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM a (m2) both (m) epth (m) erature (C)	1500 0.5 1.1 7.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	4/4/2017 529156 ation ¹	4918568 35 10 35 15 95
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempor	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM a (m2) bth (m) epth (m) erature (C) f Organics Species Collected:	1500 0.5 1.1 7.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	4/4/2017 529156 ation ¹	4918568 35 10 35 15 95
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt /	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM a (m2) bth (m) epth (m) erature (C) f Organics Species Collected:	1500 0.5 1.1 7.5 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	4/4/2017 529156 ation ¹	4918568 35 10 35 15 95
NOTE: POSITE NAME Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM a (m2) bth (m) epth (m) erature (C) f Organics Species Collected: hub	1500 0.5 1.1 7.5 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	4/4/2017 529156 ation ¹	4918568 35 10 35 15 95
NOTE: POSite Name Basin Subbasin Surface Area Average Dep Maximum Def Water Tempor Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM a (m2) both (m) erature (C) Corganics Species Collected: hub Dace Shiners	1500 0.5 1.1 7.5 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	4/4/2017 529156 ation ¹	4918568 35 10 35 15 95
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM RIVER SOUTH SANTIAM at (m2) both (m) cepth (m) cerature (C) d' Organics Species Collected: hub Dace Shiners Pikeminnows	1500 0.5 1.1 7.5 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	4/4/2017 529156 ation ¹	4918568 35 10 35 15 95
NOTE: POSITE NAME Basin Subbasin Surface Area Average Dep Maximum Def Water Tempor Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM RIVER SOUTH SANTIAM a (m2) both (m) cepth (m) cepth (m) cepth (m) cepth (c) d' Organics Species Collected: hub Dace Shiners Pikeminnows ce Suckers	1500 0.5 1.1 7.5 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	4/4/2017 529156 ation ¹	4918568 35 10 35 15 95
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM RIVER SOUTH SANTIAM a (m2) both (m) bepth (m) berature (C) forganics Species Collected: thub Dace Shiners Pikeminnows e Suckers ers	1500 0.5 1.1 7.5 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/4/2017 529156 ation ¹	4918568 35 10 35 15 95
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM RIVER SOUTH SANTIAM a (m2) both (m) bepth (m) bepth (m) bepth (m) because Collected: hub Dace Shiners Pikeminnows Be Suckers Bers Be Sticklebacks	1500 0.5 1.1 7.5 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/4/2017 529156 ation ¹	4918568 35 10 35 15 95
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM RIVER SOUTH SANTIAM a (m2) both (m) bepth (m) bepth (m) bepth (m) because Collected: hub Dace Shiners Pikeminnows Be Suckers Bers Be Sticklebacks	1500 0.5 1.1 7.5 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/4/2017 529156 ation ¹	4918568 35 10 35 15 95
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	FOSTER PULLOUT POSANTIAM RIVER SOUTH SANTIAM RIVER SOUTH SANTIAM a (m2) both (m) epth (m) erature (C) d' Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers e Sticklebacks s 2	1500 0.5 1.1 7.5 100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/4/2017 529156 ation ¹	4918568 35 10 35 15 95

Basin Subbasin	GEREN ISLAND N SANTIAM RIVER NORTH SANTIAM	ORTH CHANNEL	Map Code Sampling Date Location: Zone 10T	GER4V 6/21/2017 519371	4959900
Surface Area	a (m2)	2700	Types of aquatic veget	ation 1	
Average De	pth (m)	0.25	Submergent		50
Maximum D	epth (m)	1	Emergent		15
Water Temp		21	Floating		0
	• •		Algae		20
Percent Silt	/ Organics	40	Total		85
Native Fish	Species Collected:		Non-native Fish Specie	es Collected	
Oregon C	hub	1640	Western Mosquitofis	sh	
Cottids		1694	Bullheads		
Speckled	Dace	525	Common Carp		
Redside S	Shiners	65	Bluegills		1136
Northern	Pikeminnows	9	Largemouth Bass		
Largescal	e Suckers	20	Pumpkinseeds		1136
Sand Roll	lers		Crappies		
Threespin	ne Sticklebacks		Smallmouth Bass		
Salmonide	S ²		Banded Killifish		
Lamprey					
Chiselmo	uth		041		
		LUE	Other:		
NOTE: PO	uth OP EST, VIE PINK, B	LUE			
NOTE: Po	OP EST, VIE PINK, B		Map Code	NS14W	
NOTE: PO Site Name Basin	OP EST, VIE PINK, B GREEN'S BRIDGE SANTIAM RIVER		Map Code Sampling Date	6/27/2017	
NOTE: PO	OP EST, VIE PINK, B		Map Code		4950426
NOTE: PO Site Name Basin Subbasin	OP EST, VIE PINK, B GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM		Map Code Sampling Date	6/27/2017 502329	
NOTE: PO Site Name Basin Subbasin	OP EST, VIE PINK, B GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2)	BACKWATER	Map Code Sampling Date Location: Zone 10T	6/27/2017 502329	
NOTE: PO Site Name Basin Subbasin Surface Area Average De	OP EST, VIE PINK, B GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m)	BACKWATER 1200	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	6/27/2017 502329	4950426
NOTE: POSITE NAME Basin Subbasin Surface Area Average Del	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) epth (m)	1200 0.75 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	6/27/2017 502329	4950426 60
NOTE: PO Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) epth (m) perature (C)	1200 0.75 1.5 16	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	6/27/2017 502329	4950426 60 15
NOTE: PO Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) epth (m) perature (C)	1200 0.75 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	6/27/2017 502329	4950426 60 15 1
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) epth (m) perature (C)	1200 0.75 1.5 16	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	6/27/2017 502329 ration ¹	4950426 60 15 1 15 91
NOTE: POSITE NAME Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) perature (C) / Organics Species Collected:	1200 0.75 1.5 16	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	6/27/2017 502329 ration ¹	4950426 60 15 1 15 91
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt Native Fish	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) perature (C) / Organics Species Collected:	1200 0.75 1.5 16 85	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	6/27/2017 502329 ration ¹	4950426 60 15 1 15 91
NOTE: POSITE NAME Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) eepth (m) erature (C) / Organics Species Collected:	1200 0.75 1.5 16 85	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	6/27/2017 502329 ration ¹	4950426 60 15 1 15 91
NOTE: POSITE Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	1200 0.75 1.5 16 85	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	6/27/2017 502329 ration ¹	4950426 60 15 1 15 91
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	1200 0.75 1.5 16 85 66 58	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	6/27/2017 502329 ration ¹	4950426 60 15 1 15 91
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners	1200 0.75 1.5 16 85 66 58	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	6/27/2017 502329 ration ¹	4950426 60 15 1 15 91
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers	1200 0.75 1.5 16 85 66 58	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	6/27/2017 502329 ration ¹	4950426 60 15 1 15 91
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers	1200 0.75 1.5 16 85 66 58	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	6/27/2017 502329 ration ¹	4950426 60 15 1 15 91
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows te Suckers ters the Sticklebacks	1200 0.75 1.5 16 85 66 58 14 11	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	6/27/2017 502329 ration ¹	4950426 60 15 1 15 91
NOTE: PO Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	1200 0.75 1.5 16 85 66 58 14 11 18	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/27/2017 502329 ration ¹	4950426 60 15 1 15 91
NOTE: POSITE Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	GREEN'S BRIDGE SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows te Suckers ters te Sticklebacks to 2 CH	1200 0.75 1.5 16 85 66 58 14 11 18 756	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/27/2017 502329 ration ¹	4950426 60 15 1 15 91

Subbasin Surface Area (SANTIAM RIVER		Map Code Sampling Date	6/27/2017	A1H 7
Surface Area (NORTH SANTIAM		Location: Zone 10T	528045	4958733
	(m2)	2000	Types of aquatic veget	ation ¹	
Average Depth	h (m)	0.5	Submergent		40
Maximum Dep	oth (m)	2	Emergent		10
Water Temper		_ 13	Floating		5
			Algae		40
Percent Silt / 0	Organics	40	Total		95
Native Fish S	pecies Collected:		Non-native Fish Specie	es Collected	:
Oregon Chu	ab	912	Western Mosquitofis	sh	
Cottids		1650	Bullheads		
Speckled Da	ace	5	Common Carp		
Redside Sh	iners	140	Bluegills		3
Northern P	ikeminnows	622	Largemouth Bass		
Largescale	Suckers	1240	Pumpkinseeds		53
Sand Roller	rs		Crappies		
Threespine	Sticklebacks		Smallmouth Bass		
Salmonids ²	co	7	Banded Killifish		
Lamprey					
Chiselmouth	h		Other:		RSS/SD=2
NOTE : 2 B\	/R PONDS IN EST, VIE	: VELLOW	Other.		1100/00-2
<u> </u>					
Site Name	PIONEER PARK BACI	WATER			
	CANTIAM DIVED		Map Code	PION3U	
Basin	SANTIAM RIVER		Sampling Date	4/6/2017	4060440
Basin	SANTIAM RIVER NORTH SANTIAM		•		4960119
Basin	NORTH SANTIAM	1300	Sampling Date	4/6/2017 517490	4960119
Basin Subbasin	NORTH SANTIAM (m2)	1300 0.3	Sampling Date Location: Zone 10T	4/6/2017 517490	4960119
Basin Subbasin Surface Area (Average Depth	MORTH SANTIAM (m2) h (m)		Sampling Date Location: Zone 10T Types of aquatic veget	4/6/2017 517490	
Basin Subbasin Surface Area (Average Depth Maximum Dep	(m2) th (m) oth (m)	0.3 0.7	Sampling Date Location: Zone 10T Types of aquatic veget Submergent	4/6/2017 517490	60
Basin Subbasin Surface Area (Average Depth Maximum Dep Water Temper	(m2) h (m) oth (m) reture (C)	0.3 0.7 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	4/6/2017 517490	60 20
Basin Subbasin Surface Area (Average Depth Maximum Dep Water Temper	(m2) h (m) oth (m) reture (C)	0.3 0.7	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	4/6/2017 517490	60 20 5
Basin Subbasin Surface Area (Average Depth Maximum Dep Water Temper Percent Silt / C	(m2) h (m) oth (m) reture (C)	0.3 0.7 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	4/6/2017 517490	60 20 5 15 100
Basin Subbasin Surface Area (Average Depth Maximum Dep Water Temper Percent Silt / C	(m2) h (m) oth (m) rature (C) Organics pecies Collected:	0.3 0.7 10	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	4/6/2017 517490 ration ¹	60 20 5 15 100
Basin Subbasin Surface Area (Average Depth Maximum Dep Water Temper Percent Silt / C Native Fish S	(m2) h (m) oth (m) rature (C) Organics pecies Collected:	0.3 0.7 10 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	4/6/2017 517490 ration ¹	60 20 5 15 100
Basin Subbasin Surface Area (Average Depth Maximum Dep Water Temper Percent Silt / C Native Fish S Oregon Chu	(m2) th (m) oth (m) orature (C) Organics pecies Collected:	0.3 0.7 10 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	4/6/2017 517490 ration ¹	60 20 5 15 100
Basin Subbasin Surface Area (Average Depth Maximum Dep Water Temper Percent Silt / C Native Fish S Oregon Chu Cottids	(m2) In (m) In (0.3 0.7 10 90 601 22	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	4/6/2017 517490 ration ¹	60 20 5 15 100
Basin Subbasin Surface Area (Average Depth Maximum Dep Water Temper Percent Silt / C Native Fish S Oregon Chu Cottids Speckled Di Redside Sh	(m2) In (m) In (0.3 0.7 10 90 601 22	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	4/6/2017 517490 ration ¹	60 20 5 15 100
Basin Subbasin Surface Area (Average Depth Maximum Dep Water Temper Percent Silt / C Native Fish S Oregon Chu Cottids Speckled Di Redside Sh	(m2) h (m) oth (m) rature (C) Organics pecies Collected: ub ace iners ikeminnows	0.3 0.7 10 90 601 22	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	4/6/2017 517490 ration ¹	60 20 5 15 100
Basin Subbasin Surface Area (Average Depth Maximum Dep Water Temper Percent Silt / C Native Fish S Oregon Chu Cottids Speckled De Redside Sh Northern P	(m2) h (m) oth (m) rature (C) Organics pecies Collected: ub ace iners ikeminnows Suckers	0.3 0.7 10 90 601 22	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	4/6/2017 517490 ration ¹	60 20 5 15 100
Basin Subbasin Surface Area (Average Depth Maximum Dep Water Temper Percent Silt / C Native Fish S Oregon Chu Cottids Speckled De Redside Sh Northern Pe Largescale Sand Roller	(m2) h (m) oth (m) rature (C) Organics pecies Collected: ub ace iners ikeminnows Suckers	0.3 0.7 10 90 601 22	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	4/6/2017 517490 ration ¹	60 20 5 15 100
Basin Subbasin Surface Area (Average Depth Maximum Dep Water Temper Percent Silt / C Native Fish S Oregon Chu Cottids Speckled De Redside Sh Northern Pe Largescale Sand Roller	(m2) h (m) oth (m) rature (C) Organics pecies Collected: ub ace iners ikeminnows Suckers s Sticklebacks	0.3 0.7 10 90 601 22	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/6/2017 517490 ration ¹	60 20 5 15 100
Basin Subbasin Surface Area (Average Depth Maximum Dep Water Temper Percent Silt / C Native Fish S Oregon Chu Cottids Speckled Da Redside Sh Northern Pi Largescale Sand Roller Threespine	(m2) h (m) oth (m) rature (C) Organics pecies Collected: ub ace iners ikeminnows Suckers s Sticklebacks	0.3 0.7 10 90 601 22	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/6/2017 517490 ration ¹	60 20 5 15 100

Basin Subbasin	SANTIAM CONS. EA SANTIAM RIVER NORTH SANTIAM	SEWIENT SCET-4	Map Code Sampling Date Location: Zone 10T	SCE1-4S 6/29/2017 500231	4947821
			Types of aquatic vegeta		
Surface Area		16300		auon	
Average Dep	th (m)	1	Submergent		15
Maximum De	pth (m)	2	Emergent		65
Water Tempe	erature (C)	16	Floating		0
Percent Silt /	Organics	97	Algae <i>Total</i>		5 85
Native Fish S	Species Collected:		Non-native Fish Specie	s Collected:	
Oregon Ch	nub	491	Western Mosquitofis		1000
Cottids		119	Bullheads		.000
Speckled [Dace	110	Common Carp		
Redside S		15	Bluegills		10
	Pikeminnows	8	Largemouth Bass		.5
Largescale		13	Pumpkinseeds		
Sand Rolle		10	Crappies		
	e Sticklebacks	4840	Smallmouth Bass		
Salmonids		7070	Banded Killifish		
Lamprey			Danded Killingii		
	+la				
					DN4-40
	P EST, SAMPLED TO	RIVER, POOL ABV CULV			PM=12
NOTE: PC Site Name Basin		,	Map Code Sampling Date	I5BW3E 7/6/2017	
NOTE: PC	P EST, SAMPLED TO	,	Map Code	I5BW3E 7/6/2017	4953492
NOTE: PC Site Name Basin	OP EST, SAMPLED TO SANTIAM I-5 OUTFL SANTIAM RIVER	,	Map Code Sampling Date	I5BW3E 7/6/2017 495885	
NOTE: PC Site Name Basin Subbasin	SANTIAM I-5 OUTFL SANTIAM RIVER	OW SLOUGH	Map Code Sampling Date Location: Zone 10T	I5BW3E 7/6/2017 495885	
NOTE: PC Site Name Basin Subbasin Surface Area Average Dep	SANTIAM I-5 OUTFL SANTIAM RIVER (m2) th (m)	OW SLOUGH	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta	I5BW3E 7/6/2017 495885	4953492
NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De	SANTIAM I-5 OUTFL SANTIAM RIVER (m2) th (m)	500 0.25 1.25	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent	I5BW3E 7/6/2017 495885	4953492 10
NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De	SANTIAM I-5 OUTFL SANTIAM RIVER (m2) th (m) epth (m) erature (C)	500 0.25 1.25 18	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent	I5BW3E 7/6/2017 495885	4953492 10 20
NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De	SANTIAM I-5 OUTFL SANTIAM RIVER (m2) th (m) epth (m) erature (C)	500 0.25 1.25	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating	I5BW3E 7/6/2017 495885	10 20 0
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe	SANTIAM I-5 OUTFL SANTIAM RIVER (m2) th (m) epth (m) erature (C)	500 0.25 1.25 18	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae	I5BW3E 7/6/2017 495885 4	10 20 0 10
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe	SANTIAM I-5 OUTFL SANTIAM RIVER (m2) th (m) epth (m) erature (C) Organics Species Collected:	500 0.25 1.25 18	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total	I5BW3E 7/6/2017 495885 ation ¹	10 20 0 10
NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt /	SANTIAM I-5 OUTFL SANTIAM RIVER (m2) th (m) epth (m) erature (C) Organics Species Collected:	500 0.25 1.25 18 50	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie	I5BW3E 7/6/2017 495885 ation ¹	10 20 0 10 40
NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch	SANTIAM I-5 OUTFL SANTIAM RIVER (m2) th (m) erature (C) Organics Species Collected:	500 0.25 1.25 18 50	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis	I5BW3E 7/6/2017 495885 ation ¹	10 20 0 10 40
NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids	SANTIAM I-5 OUTFL SANTIAM RIVER (m2) th (m) ppth (m) prature (C) Organics Species Collected: hub	500 0.25 1.25 18 50	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	I5BW3E 7/6/2017 495885 ation ¹	10 20 0 10 40
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled I Redside \$	SANTIAM I-5 OUTFL SANTIAM RIVER (m2) th (m) ppth (m) prature (C) Organics Species Collected: hub	500 0.25 1.25 18 50	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	I5BW3E 7/6/2017 495885 ation ¹	10 20 0 10 40
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled I Redside \$	SANTIAM I-5 OUTFL SANTIAM RIVER (m2) th (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows	500 0.25 1.25 18 50 0	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	I5BW3E 7/6/2017 495885 ation ¹	10 20 0 10 40 60
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled [Redside S Northern F	SANTIAM I-5 OUTFL SANTIAM II-5 OUTFL SANTIAM RIVER (m2) th (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows	500 0.25 1.25 18 50 0 11	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	I5BW3E 7/6/2017 495885 ation ¹	10 20 0 10 40 60
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish S Oregon Cr Cottids Speckled I Redside S Northern F Largescale Sand Rolle	SANTIAM I-5 OUTFL SANTIAM II-5 OUTFL SANTIAM RIVER (m2) th (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows	500 0.25 1.25 18 50 0 11	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	I5BW3E 7/6/2017 495885 ation ¹	10 20 0 10 40 60
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish S Oregon Cr Cottids Speckled I Redside S Northern F Largescale Sand Rolle	SANTIAM I-5 OUTFL SANTIAM II-5 OUTFL SANTIAM RIVER (m2) th (m) ppth (m) prature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers ers e Sticklebacks	500 0.25 1.25 18 50 0 11	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	I5BW3E 7/6/2017 495885 ation ¹	10 20 0 10 40 60
NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled I Redside S Northern F Largescale Sand Rolle Threespine	SANTIAM I-5 OUTFL SANTIAM II-5 OUTFL SANTIAM RIVER (m2) th (m) ppth (m) prature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers ers e Sticklebacks	500 0.25 1.25 18 50 0 11	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	I5BW3E 7/6/2017 495885 ation ¹	10 20 0 10 40 60
NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled [Redside S Northern F Largescale Sand Rolle Threespine Salmonids	SANTIAM I-5 OUTFL SANTIAM II-5 OUTFL SANTIAM RIVER (m2) th (m) epth (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers ers e Sticklebacks 2	500 0.25 1.25 18 50 0 11	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	I5BW3E 7/6/2017 495885 ation ¹	10 20 0 10 40 60

Basin Subbasin	SANTIAM RIVER	CHANNEL POND	Map Code Sampling Date Location: Zone 10T	I5BW2S 7/5/2017 496059	4953434
Surface Area	(m2)	6000	Types of aquatic veget	ation ¹	
Average Dept	th (m)	0.5	Submergent		35
Maximum De		1.25	Emergent		50
Water Tempe		21	Floating		5
			Algae		10
Percent Silt /	Organics	97	Total		100
Native Fish S	Species Collected:		Non-native Fish Specie	es Collected	:
Oregon Ch	nub	0	Western Mosquitofis	sh	347
Cottids		16	Bullheads		10
Speckled D	Dace		Common Carp		
Redside Sh	hiners	54	Bluegills		44
Northern F	Pikeminnows	1185	Largemouth Bass		
Largescale	Suckers	111	Pumpkinseeds		9
Sand Rolle	ers		Crappies		
Threespine	e Sticklebacks	4	Smallmouth Bass		
Salmonids	² CH	1	Banded Killifish		
Lamprey					
Chiselmou	th	2	Other:		GF=1 PM=3
	EST, 50% PRT FTHF				
Site Name Basin	SOUTH STAYTON SANTIAM RIVER NORTH SANTIAM	POND	Map Code Sampling Date Location: Zone 10T	STAY1L 4/5/2017 515525	4958950
Site Name Basin Subbasin	SANTIAM RIVER NORTH SANTIAM		Sampling Date Location: Zone 10T	4/5/2017 515525	4958950
Site Name Basin Subbasin	SANTIAM RIVER NORTH SANTIAM	POND 1200	Sampling Date	4/5/2017 515525	4958950
Site Name Basin Subbasin	SANTIAM RIVER NORTH SANTIAM (m2)		Sampling Date Location: Zone 10T Types of aquatic veget Submergent	4/5/2017 515525	4958950
Site Name Basin Subbasin Surface Area Average Dept	SANTIAM RIVER NORTH SANTIAM (m2) th (m)	1200	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	4/5/2017 515525	10 10
Site Name Basin Subbasin Surface Area Average Depi	SANTIAM RIVER NORTH SANTIAM (m2) th (m) upth (m)	1200 0.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	4/5/2017 515525	10 10 20
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe	SANTIAM RIVER NORTH SANTIAM (m2) th (m) epth (m) erature (C)	1200 0.5 2.5 12	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	4/5/2017 515525	10 10 20 60
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt /	SANTIAM RIVER NORTH SANTIAM (m2) th (m) epth (m) erature (C) Organics	1200 0.5 2.5	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	4/5/2017 515525 ation ¹	10 10 20 60 100
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt /	SANTIAM RIVER NORTH SANTIAM (m2) th (m) epth (m) erature (C)	1200 0.5 2.5 12	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	4/5/2017 515525 ation ¹	10 10 20 60 100
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt /	SANTIAM RIVER NORTH SANTIAM (m2) th (m) epth (m) erature (C) Organics Species Collected:	1200 0.5 2.5 12	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	4/5/2017 515525 ation ¹	10 10 20 60 100
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt / Native Fish \$	SANTIAM RIVER NORTH SANTIAM (m2) th (m) epth (m) erature (C) Organics Species Collected:	1200 0.5 2.5 12 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	4/5/2017 515525 ation ¹	10 10 20 60 100
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E	SANTIAM RIVER NORTH SANTIAM (m2) th (m) epth (m) erature (C) Organics Species Collected: hub	1200 0.5 2.5 12 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	4/5/2017 515525 ation ¹	10 10 20 60 100
Site Name Basin Subbasin Surface Area Average Dept Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside Sil	SANTIAM RIVER NORTH SANTIAM (m2) th (m) epth (m) erature (C) Organics Species Collected: hub Dace hiners	1200 0.5 2.5 12 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	4/5/2017 515525 ation ¹	10 10 20 60 100
Site Name Basin Subbasin Surface Area Average Dept Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside Si Northern F	SANTIAM RIVER NORTH SANTIAM (m2) th (m) epth (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows	1200 0.5 2.5 12 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	4/5/2017 515525 ation ¹	10 10 20 60 100
Site Name Basin Subbasin Surface Area Average Dept Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside Si Northern F Largescale	SANTIAM RIVER NORTH SANTIAM (m2) th (m) epth (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers	1200 0.5 2.5 12 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	4/5/2017 515525 ation ¹	10 10 20 60 100
Site Name Basin Subbasin Surface Area Average Dept Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside Si Northern F Largescale Sand Rolle	SANTIAM RIVER NORTH SANTIAM (m2) th (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers ers	1200 0.5 2.5 12 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/5/2017 515525 ation ¹	10 10 20 60 100
Site Name Basin Subbasin Surface Area Average Depr Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside SI Northern F Largescale Sand Rolle Threespine	SANTIAM RIVER NORTH SANTIAM (m2) th (m) epth (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers ers e Sticklebacks	1200 0.5 2.5 12 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/5/2017 515525 ation ¹	10 10 20 60 100
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside SI Northern F Largescale Sand Rolle Threespine Salmonids	SANTIAM RIVER NORTH SANTIAM (m2) th (m) epth (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers ers e Sticklebacks	1200 0.5 2.5 12 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/5/2017 515525 ation ¹	10 10 20 60 100
Site Name Basin Subbasin Surface Area Average Dept Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside Si Northern F Largescale Sand Rolle Threespine Salmonids Lamprey	SANTIAM RIVER NORTH SANTIAM (m2) th (m) epth (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers ers e Sticklebacks 2	1200 0.5 2.5 12 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/5/2017 515525 ation ¹	10 10 20 60 100
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside SI Northern F Largescale Sand Rolle Threespine Salmonids	SANTIAM RIVER NORTH SANTIAM (m2) th (m) epth (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers ers e Sticklebacks 2	1200 0.5 2.5 12 90	Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/5/2017 515525 ation ¹	10 10 20 60 100

Site Name Basin	SPRINGBANK FAR SANTIAM RIVER	M SIDE CHANNEL	Map Code Sampling Date	SPNGBC 3/17/2017	
Subbasin	SOUTH SANTIAM		Location: Zone 10T	511937	4928359
Surface Area	a (m2)	4000	Types of aquatic veget	tation 1	
Average Dep	oth (m)	1	Submergent		15
Maximum De	epth (m)	2	Emergent		20
Water Temp			Floating		0
		00	Algae		0
Percent Silt /	/ Organics	20	Total		35
Native Fish	Species Collected:		Non-native Fish Specie	es Collected	:
Oregon C	hub	0	Western Mosquitofis	sh	
Cottids		16	Bullheads		
Speckled	Dace	25	Common Carp		
Redside S	Shiners	42	Bluegills		
Northern	Pikeminnows	25	Largemouth Bass		
Largescal	e Suckers	1	Pumpkinseeds		
Sand Roll	ers		Crappies		
Threespin	e Sticklebacks		Smallmouth Bass		
Salmonide		2	Banded Killifish		
Lamprey					
Chiselmou	uth				
Chiselmou		C HICH WATER	Other:		
Chiselmou	uth A, SURVEYED 5 LOC	S, HIGH WATER	Other:		
Chiselmou			Other: Map Code	SPWP1S	
Chiselmou	A, SURVEYED 5 LOC			SPWP1S 6/22/2017	
Chiselmou	A, SURVEYED 5 LOC		Map Code		
Chiselmound NOTE: P/. Site Name Basin	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER		Map Code Sampling Date	6/22/2017	,
Chiselmound NOTE: P/. Site Name Basin	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM		Map Code Sampling Date	6/22/2017 516568	,
Chiselmou NOTE: Pl. Site Name Basin Subbasin	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2)	WORKS POND	Map Code Sampling Date Location: Zone 10T	6/22/2017 516568	,
Chiselmot NOTE: P// Site Name Basin Subbasin Surface Area	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m)	WORKS POND 2100	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent	6/22/2017 516568	4959830 5 1
Chiselmon NOTE: Pl. Site Name Basin Subbasin Surface Area Average Dep Maximum De	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m)	2100 0.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	6/22/2017 516568	5 1 0
Chiselmon NOTE: Pl. Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C)	2100 0.5 1.5 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	6/22/2017 516568	5 1 0 10
Chiselmon NOTE: Pl. Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C)	2100 0.5 1.5	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating	6/22/2017 516568	5 1 0
Chiselmon NOTE: Pla Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	2100 0.5 1.5 21 50	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae	6/22/2017 516568 ration ¹	5 1 0 10 16
Chiselmon NOTE: Pl. Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	2100 0.5 1.5 21	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total	6/22/2017 516568 sation ¹	5 1 0 10 16
Chiselmon NOTE: Pla Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	2100 0.5 1.5 21 50	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie	6/22/2017 516568 sation ¹	5 1 0 10 16
Chiselmon NOTE: Pla Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a Native Fish Oregon C	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	2100 0.5 1.5 21 50	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Species Western Mosquitofis	6/22/2017 516568 sation ¹	5 1 0 10 16
Chiselmon NOTE: Ph Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt h Oregon Ci Cottids	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace	2100 0.5 1.5 21 50 1300 44	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads	6/22/2017 516568 sation ¹	5 1 0 10 16
Chiselmon NOTE: Pl. Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt , Native Fish Oregon C Cottids Speckled Redside S	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace	2100 0.5 1.5 21 50 1300 44 61	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	6/22/2017 516568 sation ¹	5 1 0 10 16
Chiselmon NOTE: Pl. Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt , Native Fish Oregon C Cottids Speckled Redside S	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows	2100 0.5 1.5 21 50 1300 44 61 628	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	6/22/2017 516568 sation ¹	5 1 0 10 16
Chiselmon NOTE: Pl. Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt I Native Fish Oregon C Cottids Speckled Redside S Northern	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	2100 0.5 1.5 21 50 1300 44 61 628	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	6/22/2017 516568 sation ¹	5 1 0 10 16 :
Chiselmon NOTE: Pl. Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt I Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers	2100 0.5 1.5 21 50 1300 44 61 628	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	6/22/2017 516568 sation ¹	5 1 0 10 16 :
Chiselmon NOTE: Pl. Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt I Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks	2100 0.5 1.5 21 50 1300 44 61 628 3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	6/22/2017 516568 sation ¹	5 1 0 10 16 :
Chiselmon NOTE: Ph. Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt h Oregon Ci Cottids Speckled Redside S Northern Largescal Sand Roll Threespin Salmonids	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks	2100 0.5 1.5 21 50 1300 44 61 628 3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/22/2017 516568 sation ¹	5 1 0 10 16 :
Chiselmon NOTE: Ph. Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt h Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	A, SURVEYED 5 LOC STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks s 2	2100 0.5 1.5 21 50 1300 44 61 628 3	Map Code Sampling Date Location: Zone 10T Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	6/22/2017 516568 sation ¹	5 1 0 10 16 :



4034 Fairview Industrial Drive SE Salem, OR 97302