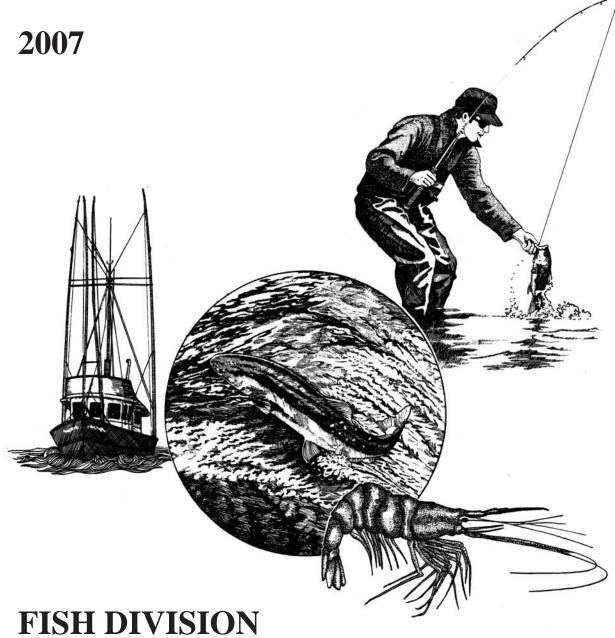
PROGRESS REPORTS



Oregon Department of Fish and Wildlife

2007 Oregon Chub Investigations



# ANNUAL PROGRESS REPORT

# FISH RESEARCH PROJECT OREGON

PROJECT TITLE: Oregon Chub Investigations

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#### SUMMARY

Oregon chub *Oregonichthys crameri*, small minnows endemic to the Willamette Valley, were federally listed as endangered under the Endangered Species Act in 1993. Factors implicated in the decline of this species include 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 is further threatened by predation and competition by non-native species such as largemouth bass *Micropterus salmoides*, crappies *Pomoxis* sp., sunfishes *Lepomis* sp., bullheads *Ameiurus* sp., and western mosquitofish *Gambusia affinis*. We continued surveys initiated in 1991 in the Willamette River drainage to quantify the abundance of known Oregon chub populations, search for unknown populations, evaluate potential introduction sites, and monitor introduced populations as part of the implementation of the Oregon Chub Recovery Plan.

We sampled a total of 70 sites in 2007. New populations of Oregon chub were discovered at Green Island in the lower McKenzie River and in the Muddy Creek drainage (Linn County). We confirmed the continued existence of Oregon chub at 34 locations. These included 23 naturally occurring and 11 introduced populations. We did not find Oregon chub at nine locations where they were collected on at least one occasion between 1991-2006. Nonnative fish were collected at most of these locations.

We obtained abundance estimates of 18 naturally occurring populations and 11 introduced populations of Oregon chub located in the Middle Fork Willamette, Santiam, McKenzie, and Mid-Willamette drainages (Table 1). We introduced additional Oregon chub into the South Stayton Pond in the Santiam drainage and into Cheadle and Display Ponds in the Mid-Willamette drainage.

The Oregon Chub Recovery Plan (U.S. Fish and Wildlife Service 1998) set recovery criteria for downlisting the species to "threatened" and for delisting the species. The criteria for downlisting the species are: 1) establish and manage 10 populations of at least 500 adult fish, 2) all of these populations must exhibit a stable or increasing trend for five years, and 3) at least three populations meeting criterion 1 and 2 must be located in each of the three recovery areas (Middle Fork Willamette River, Santiam River, and Mid-Willamette River tributaries). In 2007, there were 20 populations totaling 500 or more individuals (Table 1). Fifteen of these populations also met the second criteria. Of the 15 populations meeting criteria 1 and 2, eight were located in the Middle Fork Willamette drainage, four were located in the Mid-Willamette drainage, and three were located in the Santiam drainage. In 2007, we met the downlisting criteria.

Findings to date indicate that Oregon chub remain at risk due to the loss of suitable habitat and the continued threats posed by the proliferation of non-native fishes, illegal water withdrawals, accelerated sedimentation, and potential chemical spills or careless pesticide applications. Their status has improved in recent years, resulting primarily from successful introductions and the discovery of previously undocumented populations.

Table 1. Oregon chub population abundance estimates from 1992-2007. Abundances are mark-recapture estimates, except those shown in bold, which are the number of fish captured. Site names in bold italics are locations where Oregon chub were introduced. The number of fish stocked at introduction sites is shown in parentheses. Basin codes: SANT- Santiam, MS- Mid-Willamette, MFW- Middle Fork Willamette, MCK- McKenzie, and CFW- Coast Fork Willamette. See *Methods* for definitions of five year abundance trends. Five-year trends were not assessed if data were not available for at least five years, if the population abundance was less than 500 fish, or if abundance was not estimated using mark-recapture techniques.

Site Name	Basin	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	5-Year Trend
Foster Pullout Pond	SANT								(85)	(20) 80	(75) 210	(50) 320	(158) 640 (	112) 570	200	470	980	stable
Gray Slough	SANT				2	3	2	0	13	4	2	12	270	340	260	700	560	stable
South Stayton Pond	SANT															(54)	560	
Geren Island North Channel	SANT					8,340	8,660	1,830	860	360	760	740	1,590	2,290	2,630	1,020	510	stable
Pioneer Park Backwater	SANT						2	0	0	2	9	4	6	0	4	110	420	
Stayton Public Works Pond	SANT							3	4	1	0	0	0	21	530	440	270	
Santiam I-5 Side Channels	SANT						5	2	3	13	13	350	220	320	580	330	22	
Green's Bridge Slough	SANT		5			2	5	ō	2	Ō	3	2	4	0	7	6	1	
Santiam Easement	SANT		_	1,250		830	300	250	13	4	12	2	Ó	1	Ó	3	Ô	
Menear's Bend	SANT			.,						(15)	7	(26) 29	ō		nond o			
Logan Slough	SANT						2			(13)	•	(20) 23	·	•	pona c	anca ap		
Dunn Wetland	MS							373) 460	4,860	14,090	26,240	19,270	28,740	25,810	28,290	21,530	34,530	stable
Ankeny Willow Marsh	MS						(200) (	3/3) 400	4,000	14,090	20,240	19,270	20,740	(500)	10.110	35.650	26.420	Stable
Jampolsky Wetlands	MS													(500)	1,230	8,320	4,160	
												(50)						
Finley Cheadle Pond	MS						===		= 4.0	=		(50)	50	220	1,300	900	1,740	increasing
Finley Gray Creek Swamp	MS		370	600	460	470	520	620	510	730	630	290	230	520	240	1,390	1,400	increasing
Finley Display Pond	MS							(60)	(45) 360	1,750	(49) 670	500	130	70	240	240	230	
Muddy Creek	MS						_									_	3	
Dry Muddy Creek	MS			26			2.				denied acc	cess	22	1	4	0	0	
Bull Run Creek	MS														2	0	0	
Little Muddy Creek tributary	MS													5	0	0	0	
Camous Creek	MS		5			5								ed access		0		
Russell Pond	MCK										(350)	(150) 470	450	720	810	1,000	1,400	increasing
Shetzline Pond	MCK											120	650	1,050	730	390	210	
Big Island	MCK											940	620	310	430	380	190	
Green Island	MCK																12	
Ezell Slough	MCK														6			
Shady Dell Pond	MFW		1,630	4,770	3,770	4,240	3,790	3,650	2,860	3,830	2,280	2,420	2,330	4,210	3,110	5,430	7,250	increasing
E.Bristow St. Park- Berry Slough	MFW		4.010	.,	1,930	-,	2,010	5,350	2,720	1,190	3,970	4,910	2.140	2,950	2,530	5,460	6,580	increasing
Dexter Reservoir RV Alcove- DEX3		59	.,		15		1,330	830	50	880	1,950	2,270	870	790	1,850	3,310	4,020	increasing
Wicopee Pond	MFW	3			0	1	9	25	160	4,580	4,080	2,410	4,100	4,780	6,300	4,860	3,130	stable
Fall Creek Spillway Ponds	MFW	3			Ū	(500)	480	1.420	6.310	5.030	7.770	6.370	5.620	5.850	6.250	3,250	2.740	declining
Buckhead Creek	MFW	3	4		2	(300)	400	1,420	3,010	3,570	7,140	4,080	2,830	3,600	3,130	2,500	2,030	stable
East Fork Minnow Creek Pond	MFW	3	8.770	7.540	7.130	4,540	4,020	4.440	4,780	5.050	3.380	3,270	3,650	3,140	1.850	1.730	1.770	declining
Elijah Bristow Island Pond	MFW		0,770	7,540	7,130	4,540	4,020	4,440	4,760	3,030	3,300	3,270	2,780	420	1,700	2,310	1,620	stable
Hospital Pond	MFW		600		780		2.460	2 020	3,020	2.980	2,700	2.130	1.600		5.040			stable
	MFW	780	690		140	40	3,160 920	3,030 450	1,130		800	2,130 460	390	4,940 70	600	2,040 650	1,520 1,130	
Dexter Reservoir Alcove- PIT1		780			140	40	920	450	1,130	1,440	800	460	390	70		440	380	increasing
Haws Pond	MFW								4 000	4.470	4 000	0.40	040	4.040	120			
E.Bristow St. Park- NE Slough	MFW	_							1,060	1,170	1,090	940	610	1,340	790	210	350	
Barnhard Slough	MFW	0		_		_		_	_	3	7	2	1	2	2	0	4	
Jasper Park Slough	MFW	_		3	_	0		0	0	0	0	0	0	0	0	0	1	
Rattlesnake Creek	MFW	7			6		_		. 1	2	2	2	2	0	0	5	0	
Oakridge Slough	MFW			4	8		2	21	480	140	140	9	1	1	0	0	0	
East Ferrin Pond	MFW			(576)	3,520	5,610	7,160	3,490	60	0	0	0	0	0	0	0	0	
Wallace Slough	MFW						3	0	0	0	0	0	0	0	0	0	0	
Dexter East Alcove	MFW	40				0	0	0		0	0	0	0	0	0	0	0	
Elijah Bristow Large Gravel Pit	MFW	3			0			7	0	0	0	8	2	0	0	0		
Elijah Bristow Small Gravel Pit	MFW	31			0			22	0	0	0	0	0	0	0	0		
Hospital Impoundment Pond	MFW				6	0	1	0	1	0	0	0	0	0	0	0		
Dexter Reservoir	MFW											1			1			
Middle Fk Willamette Backwater	MFW												13	0				
West Ferrin Pond	MFW	3		(525)	2	0	0	0	0									
Hamman Barral	CFW			•								(400)	420	350	110	40	180	
Herman Pond												( 0)	0					
												16	130	190	12	150	80	
Coast Fork Side Channels Lynx Hollow Side Channels	CFW CFW											16	130	190	12 2	150 <b>2</b>	80 <b>2</b>	

#### 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, stable 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 hiding and spawning. In the last 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 non-native species to the Willamette Valley resulted in a restricted distribution and sharp decline in Oregon chub abundance.

The reduction of habitat and the restricted distribution of the Oregon chub resulted in a determination of "endangered" status under the federal endangered species act (Markle and Pearsons 1990; Rhew 1993). To evaluate Oregon chub population abundance and distribution, the Oregon Department of Fish and Wildlife conducted surveys in April-September 2007. We conducted similar surveys in 1991-2006 (Scheerer et. al. 1992; 1993; 1994; 1995; 1996; 1998; 1999; 2000; 2001; 2002; 2003; 2004a; 2004b; 2005; 2006: Scheerer and Jones 1997). The survey objectives were to collect information on the status, distribution, and abundance of Oregon chub, the presence of non-native and native species, the characteristics of Oregon chub habitats, the characteristics of potential introduction sites, and to evaluate the success of Oregon chub introductions. In addition, we reviewed and evaluated projects and activities with the potential to impact Oregon chub and their habitats and provided summaries to the U.S. Fish and Wildlife Service.

#### **METHODS**

We conducted surveys at 70 locations in the Willamette River drainage (Figures 1 and 2). We sampled off-channel habitats using baited minnow traps, a 1 m x 5 m seine with 64 mm mesh, and/or dip nets. We identified and counted all fish captured. We recorded the presence of amphibian and reptile species and their life stages that were encountered.

We recorded physical and biological habitat parameters at each site including substrate type, type and abundance of aquatic vegetation, mean and maximum depth, water temperature, and total surface area. We photographed each new site and assigned a unique map code to each site.

We used minnow traps, measuring 23 by 46 cm with 64 mm mesh, to obtain mark-recapture population estimates of all fish species at selected sites. We baited the traps with one third slice of bread and fished them for 3-18 hours. We measured total lengths (TL) of a subsample (N=50) of the Oregon chub we collected in the traps. We marked all fish with a partial caudal fin clip and returned them to the water. When catch rates were low, we repeated this procedure for a second day. On the second day, we marked all unmarked fish. We typically marked fish until approximately 15 percent of the population was marked. We returned all fish to the water. We estimated population abundance using single-sample mark-recapture procedures (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). Because we do not capture

fish smaller than ~35 mm (TL) in the minnow traps, these fish were not included in the estimates. Excluded fish were young-of-the-year (Scheerer and McDonald 2003).

We defined a population as a group of chub that occupy a single location. If there is an open connection and the potential for frequent movement of chub between adjacent sloughs or ponds, then we consider adjacent sites to be a single population. We defined abundance trends quantitatively as increasing, declining, stable, or not declining. We calculated a linear regression of abundance over time for each abundant population (>500 fish) for the past five years (2002-2007). When the slope of this regression was negative and significantly different from zero (P<0.10), we defined the population as exhibiting a declining trend in abundance. When the slope was positive and significantly different from zero (P<0.10), we defined the population as exhibiting an increasing trend in abundance. When the slope was not significantly different from zero (P>0.10), we then calculated the coefficient of variation of the abundance estimates for the past five years. When the coefficient of variation was less than 1.0 then we defined population as stable. Otherwise, we defined the population as unstable.

## **RESULTS**

Detailed descriptions of habitat characteristics and the fish species present at each of the 70 sites sampled in 2007 are available on our web site in the 2007 progress report (<a href="http://oregonstate.edu/dept/ODFW/NativeFish/OregonChub.htm">http://oregonstate.edu/dept/ODFW/NativeFish/OregonChub.htm</a>).

# **Population Estimates**

In 2007, we obtained population estimates for Oregon chub at 29 locations (Table 2). These annual abundance estimates allow us to monitor the status of Oregon chub in relation to recovery goals (U.S. Fish and Wildlife Service 1998) and to determine which populations of Oregon chub are sufficiently large to be used as donor populations for reintroduction efforts.

We estimated the population abundance of Oregon chub at 12 locations in the Middle Fork Willamette River drainage. The Middle Fork Willamette drainage contains the greatest concentration of large Oregon chub populations (>500 fish) in the Willamette Valley. In 2007, there were ten populations in the Middle Fork Willamette drainage that totaled 500 or more adult Oregon chub. Eight of these populations have been stable or increasing in abundance for the past five years (Table 1). The largest populations of Oregon chub in the Middle Fork Willamette drainage were located at Shady Dell Pond, Elijah Bristow Berry Slough, and Dexter Reservoir Alcove "DEX3". Notable increases in Oregon chub abundance occurred at Shady Dell Pond and Dexter Reservoir Alcove "PIT1". A notable decrease in Oregon chub abundance occurred at Wicopee Pond. The East Fork Minnow Creek Pond and the Fall Creek Pond populations both had a declining 5-year abundance trends (Table 1).

We estimated the population abundance of Oregon chub at six locations in the Santiam River drainage. In 2007, there were four populations in the Santiam drainage that totaled 500 or more adult Oregon chub. Three populations had a stable or increasing trend in abundance for the past five years (Table 1). The largest Oregon chub population in the Santiam drainage was located at Foster Pullout Pond.

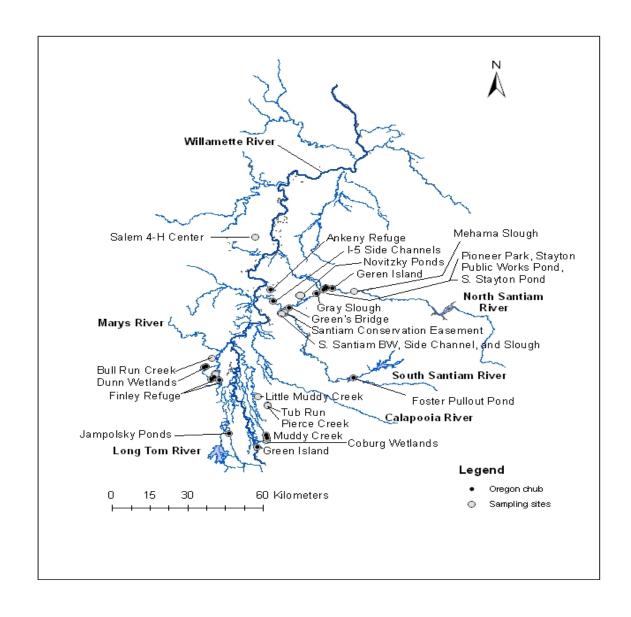


Figure 1. Survey locations for Oregon chub in the Santiam and lower and Mid-Willamette River drainages in 2007. Circles with center dots indicate sites where Oregon chub were collected. Open circles indicate sites where Oregon chub were not collected.

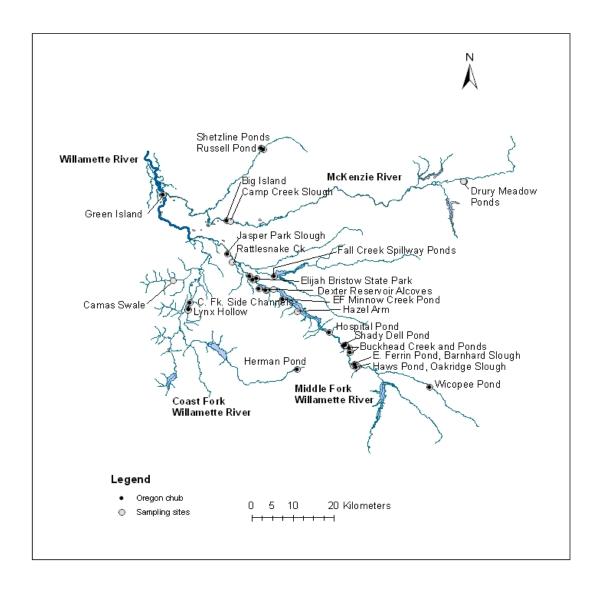


Figure 2. Survey locations for Oregon chub in the upper Willamette River drainage in 2007. Circles with center dots indicate sites where Oregon chub were collected. Open circles indicate sites where Oregon chub were not collected.

Table 2. Estimates of the 2007 population abundance of Oregon chub at locations in the Willamette Valley, Oregon.

			ence Limits
Location	Estimate	lower	upper
S	antiam River Drai	nage	
Foster Pullout Pond	980	860	1,120
Gray Slough	560	300	1,000
South Stayton Pond	560	410	770
Geren Island North Channel	510	360	730
Pioneer Park Pond	420	280	630
Stayton Public Works Pond	270	200	350
*** 1 1 1	Alillamatta Diana E	\	
Mid-V	Willamette River D	rainage	
Dunn Wetland Ponds	34,530	28,920	41,230
Ankeny Willow Marsh	26,420	22,550	30,950
Jampolsky Ponds	4,160	2,710	6,320
Finley Cheadle Pond	1,740	1,510	2,000
Finley Gray Creek Swamp	1,400	1,120	1,750
Finley Display Pond	230	190	280
Mc	Kenzie River Drai	nage	
Russell Pond	1,400	1,000	1,940
Shetzline Pond	210	140	310
Big Island	190	140	270
Coast For	k Willamette Rive	r Drainage	
Herman Pond	180	80	350
Coast Fork Side Channels Table 3 (continued).	80	50	140

		95% Confid	ence Limits	
Location	Estimate	lower	upper	
Middle For	k Willamette F	River Drainage		
Shady Dell Pond	7,250	6,270	8,390	
Elijah Bristow Berry Slough	6,580	5,620	7,710	
Dexter RV Alcove	4,020	3,510	4,610	
Wicopee Pond	3,130	2,590	3,790	
Fall Creek Spillway Ponds	2,740	2,430	3,090	
Buckhead Creek	2,030	1,510	2,770	
East Fork Minnow Creek Pond	1,770	1,330	2,350	
Elijah Bristow Island Pond	1,620	1,130	2,310	
Hospital Pond	1,520	1,110	2,080	
Dexter Alcove "PIT1"	1,130	960	1,340	
Haws Pond	380	140	750	
Elijah Bristow State Park Northeast Slough	250	220	550	

We estimated the population abundance of Oregon chub at nine locations in the Mid-Willamette River drainage (includes the McKenzie River). In 2007, there were six populations in the Mid-Willamette drainage that totaled 500 or more adult Oregon chub. Four of these populations had stable 5-year trends in abundance (Table 1). The three largest populations in this drainage were chub introduction sites (Ankeny Willow Marsh, Dunn Wetland and Jampolsky Wetlands).

We estimated the Oregon chub population abundance at two sites in the Coast Fork Willamette drainage. The most abundant chub population in the drainage was located in Herman Pond in the Row River subbasin. This population increased from 40 fish in 2006 to 180 fish in 2007. This increase in abundance may be a response to the habitat enhancement project completed in 2005 by the U.S. Forest Service to increase the amount of open water habitat at this site.

#### DISCUSSION

Currently there are 15 populations totaling 500 or more individuals that have exhibited a stable or increasing trend for the past five years (two populations have exhibited a declining trend for the past five years) (Table 1, Figure 3). Eight of these populations are located in the Middle Fork Willamette recovery area, four populations are located in the Mid-Willamette recovery area, and three populations are located in the Santiam recovery area. In 2007, we met the downlisting criteria. We have made significant progress in increasing both the number of known populations of Oregon chub and the number of large populations (>500 fish) in the Willamette drainage over the past ten years (Table 4). Most populations of chub are currently isolated from other chub populations due to the reduced frequency and magnitude of flood events and the presence of migration barriers such as impassible culverts and permanent, high beaver dams. Genetic exchange between populations is believed to be minimal.

# **Status of Naturally Occurring Populations**

In 2007, there were 11 naturally occurring populations of Oregon chub that totaled 500 or more individuals in the Willamette River basin; eight were located in the Middle Fork Willamette drainage (Table 1). Ten naturally occurring chub populations (>500 fish) have exhibited a stable or increasing trend for the past five years.

# Status of Introduced Populations and Habitat Restoration Projects

A major recovery effort for Oregon chub recovery has focused on the introduction of Oregon chub into suitable habitats within their historic range. Several new populations have been established since 1988. 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 2007, there were eight introduced populations that totaled 500 or more fish. Four of these populations have exhibited a stable or increasing trend in abundance for the past five years (Tables 1 and 5).

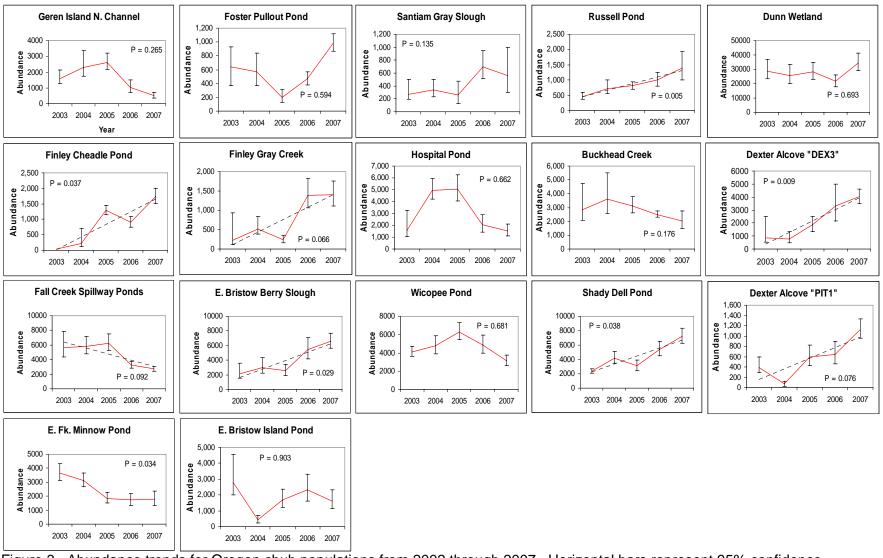


Figure 3. Abundance trends for Oregon chub populations from 2002 through 2007. Horizontal bars represent 95% confidence intervals for each estimate. Fitted regression lines (dotted lines) are shown where significant slopes occur. Plots without dotted lines had stable 5-year abundance trends.

Table 4. Status of Oregon chub recovery efforts, 1997-2007. Five-year abundance trends were not available prior to 1997.

	Sant	tiam	Mid-Wil	lamette <sup>a</sup>	M. Fk. W	'illamette	C. Fk. Wi	llamette	All subl	basins
Number of populations	1997	2007	1997	2007	1997	2007	1997	2007	1997	2007
Total	7	8	4	11	14	14	0	3	25	36
Large (>500 adults)	1	4	1	6	7	10	0	0	9	20
Viable (>500 adults, stable or increasing for 5 yrs) <sup>b</sup>	0	3	1	4	2	8	0	0	3	15
Introduced <sup>c</sup>	0	2	1	6	4	2	0	1	5	11
Extirpated (since 1991)	0	1	0	4	3	10	1	1	4	16

<sup>&</sup>lt;sup>a</sup> The McKenzie drainage is included in the Mid-Willamette recovery area.

<sup>&</sup>lt;sup>b</sup> Recovery criterion from the Oregon Chub Recovery Plan (USFWS 1998).

 $<sup>^{\</sup>rm c}$  Failed introductions (N = 3) were not included in the totals for introduced populations.

Table 5. Status of Oregon chub introductions and habitat restoration projects. Oregon chub abundance was determined from mark-recapture population estimates. Numbers in bold are the number of fish captured when no mark-recapture estimates were obtained. Numbers in parentheses are the number of fish stocked. Basin codes: MS= Mid-Willamette River basin, MFW= Middle Fork Willamette River basin, SANT= Santiam River basin; MCK= McKenzie River basin; and CFW= Coast Fork Willamette River basin. 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.

Site Name	Basin	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Donor Site	Ownership
Dunn Wetlands	MS				(200)	(373) 460	4,860	14,090	26,240	19,270	28,740	25,810	28,290	21,530	34,530	Geren Island, Elijah Bristow, Shady Dell	private
Ankeny Willow Marsh	MS											(500)	10,110	35,650	26,420	Dunn Wetlands	USFWS
Jampolsky Wetlands	MS											(500)	1,230	8,320	4,160	Dunn Wetlands	private
Wicopee Pond	MFW		0	1	9	25	160	4,580	4,080	2,410	4,100	4,780	6,300	4,860	3,130	Dexter Alcove "The Pit" (1988)	USFS
Fall Creek Spillway Ponds	MFW			(500)	480	1,420	6,310	5,030	7,770	6,370	5,620	5,850	6,250	3,250	2,740	East Fk Minnow Pond, Shady Dell Pond	ACOE
Cheadle Pond	MS									(50)	50	220	1,300	900	(53) 1740	Finley Display Pond and Gray Swamp	USFWS
Russell Pond	MCK								(350)	(150) 470	450	720	810	1,000	1,400	Buckhead Creek	private
Foster Pullout Pond	SANT						(85)	(20) 80	(75) 210	(50) 320	(158) 640	112) 570	200	470	980	Geren Island	ACOE
Lower Buckhead Ponds <sup>a</sup>	MFW						4	4	1,430	1,220	610	1,130	1,220	1,410	940		USFS
South Stayton Pond	SANT													(54)	(67) 560	Stayton Public Works Pond, Pioneer Park	ODFW
Finley Display Pond	MS					(60)	(45) 360	1,750	(49) 670	500	130	70	240	240	(75) 230	Finley Gray Swamp	USFWS
Herman Pond	CFW									(400)	420	350	110	40	180	Fall Creek Spillway Ponds	USFS
East Ferrin Pond	MFW	(576)	3,520	5,610	7,160	3,490	60	0	0	0	0	0	0	0	0	East Fork Minnow Pond	USFS
Hospital Impound. Pond <sup>a</sup>	MFW		6	0	1	0	1	0	0	0	0	0	0	0	0		ACOE
Menear's Bend	SANT							(15)	7	(26)29	0	0				Geren Island	ACOE
West Ferrin Pond	MFW	(525)	2	0	0	0	0									Shady Dell Pond	USFS

<sup>&</sup>lt;sup>a</sup> These sites are habitat enhancement projects where no Oregon chub were introduced. Oregon chub colonized these sites naturally.

## **Identification and Evaluation of Potential Introduction Sites**

New populations of Oregon chub are established by introductions to suitable habitats within their historical range. A minimum of 400 fish are to be used when establishing new fish populations to avoid genetic bottlenecks. The Oregon Chub Recovery Plan states that a maximum of 10% of a population may be removed for an introduction in any one year. Donor stocks should be in the same subbasin as the introduction site, whenever possible. Potential Oregon chub introduction sites were identified and evaluated using guidelines described by Scheerer and Jacobs (2006).

Following are descriptions of the locations that were evaluated in 2007 as potential introduction sites for Oregon chub.

- 1. Beaver Pond- This pond is located in the Gray Creek drainage on the Finley National Wildlife Refuge in Benton County. One Oregon chub was collected from Beaver Pond in 1990 (personal communication, Dr. Douglas Markle, Oregon State University). In 2003, a habitat enhancement project was completed to reconstruct the dike, replace the water control structure, and deepen the pond to maintain water levels throughout the summer months. In the winter of 2005-06 the dike was damaged by high flow events and the pond drained. Repair work is scheduled for 2008.
- 2. Brown Creek Ponds- These ponds are located on Finley National Wildlife Refuge in Benton County. The ponds were constructed in the lower Brown Creek drainage in 1999. Water control structures were completed in 2000. The vegetation in the ponds has become well established. The refuge has the ability to divert water into either pond. We recommend focusing on the north pond for a future chub introduction.
- 3. Budeau Ponds- This site is located on private property in the Mill Creek drainage. This site requires habitat restoration to be suitable for Oregon chub. Site plans include modification of an existing pond and creation of a new wetland pond. A grant to fund this restoration work was received in 2007 from OWEB. Restoration work will commence in 2008.
- 4. Teal Marsh- This site is located on Ankeny National Wildlife Refuge in Marion County. This is a large constructed wetland pond with site conditions that are very similar to those at Willow Marsh. Water can be pumped from Sidney Ditch to maintain adequate water levels. The pump is the same one that supplies water to Willow Marsh and is screened. The site currently contains nonnative fishes. The U.S. Fish and Wildlife Service plans to draw down (desiccate) the marsh in 2006 to remove nonnative fishes were delayed.
- 5. St. Paul Ponds- This site is located in the Willamette River drainage in Marion County. The site is owned by ODFW. The site was a former ODFW warmwater rearing facility and consists of a series of shallow earthen ponds. This site is high on the list for a chub introduction. Funds were secured from USFWS to restore two ponds and to run the pump to maintain water levels during the summer months.
- 6. Magne Pond- This site is located on private property in the McKenzie River drainage near Cougar Reservoir. Habitat is suitable for Oregon chub. Only cutthroat trout are

present in the pond. A safe harbor agreement with these landowners was completed in 2007. An introduction will be conducted in 2008.

- 7. Sprick Pond- This site is located on private property in the Coast Fork Willamette (Camas Swale) drainage. The pond is a former log pond. The landowners maintain the water levels in the pond by filling with well water during the summer months. No fish were collected in 2005 or 2006. A safe harbor agreement with these landowners was completed in 2007. An introduction will be conducted in 2008.
- 8. Novitzki Wetlands- This site is located on private property in the Santiam River drainage in Marion County. This 59 acre wetland complex was constructed in 2003-2004. Only native fish were collected in 2005 and 2006. The presence of fish is of concern, because the wetland is supposedly isolated from adjacent water bodies (ditches) which contain nonnative fish. We will continue to monitor the fish community and establishment of aquatic vegetation at this site.
- 9. *K. Finley Pond-* This site is located on private property in the Muddy Creek subbasin of the Marys River drainage in Benton County. The pond is an existing farm pond that is spring fed. Pond reconstruction is scheduled for 2008.
- 10. Murphy Pond- This site is also located on private property in the Muddy Creek subbasin of the Marys River drainage in Benton County. USFWS plans to create a chub pond in an upland area with associated springs in 2008.

# Threats to Oregon Chub and Limitations to Their Recovery

Oregon chub continue to be impacted by human activities. During the past decade. Oregon chub populations have been threatened by illegal water withdrawals. unauthorized fill and removal activities, certain timber management activities, highway and pipeline construction, roadside herbicide applications, chemical spills, and routine culvert cleaning operations. However, the proliferation of non-native fish is the largest current threat to Oregon chub populations. Non-native fish have been collected from 42 percent of the 747 unique sites we have sampled in the Willamette Valley since 1991, 54 percent of these sites that contained fish (317 out of 584). After the 1996 floods, nonnative fish were first collected from several Oregon chub sites in the Santiam River drainage; the two largest populations subsequently declined sharply in abundance (Scheerer 2002). Illegal planting of largemouth bass at an introduction site in the Middle Fork Willamette River drainage coincided with the collapse of an Oregon chub population that had once totaled over 7,000 fish. Non-native fish are well established throughout the Willamette Valley. They threaten to invade sites containing Oregon chub and limit the ability of Oregon chub to migrate from existing sites and colonize suitable habitats elsewhere. Non-native fish are more common in off-channel habitats in the Santiam and Mid-Willamette River drainages than in the Middle Fork Willamette and McKenzie River drainage (Scheerer 2002).

Recovery of Oregon chub in the Santiam and Mid-Willamette subbasins is severely limited by the proliferation of non-native fish in off-channel habitats. The resulting paradox is that the frequent interaction of the river with the floodplain habitats in these particular subbasins, conditions which historically created off-channel habitats and aided in the dispersal of chub and the interchange of individuals among populations,

now poses a threat to Oregon chub by allowing dispersal of nonnative species (Scheerer 2002). Because of the threats posed by nonnative fish, and the loss and fragmentation of suitable Oregon chub habitats, we have few options other than to manage chub populations in isolation. This approach has potentially severe genetic consequences. Genetic analyses that are under way will assist in determining the extent of genetic drift and inbreeding in existing populations and will help guide future management. Managers may be assigned the task of moving fish among certain populations, both natural and introduced, to maintain and enhance the genetic variability necessary for the persistence and recovery of this species.

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# **APPENDIX A**

# Fish Species and Habitat Characteristics at Each Survey Location

Sites are sorted by subbasin then listed alphabetically by site name.

<sup>&</sup>lt;sup>1</sup> Vegetation types are expressed as a percentage of the total surface area of the site. The sum of all vegetation types cannot exceed 100 percent.

<sup>&</sup>lt;sup>2</sup> Salmonid codes: CO= coho salmon *Oncorhynchus kisutch*; CH= chinook salmon *O. tshawytscha*; CT= cutthroat trout *O. clarki*; RB= rainbow trout *O. mykiss*, TF= unknown trout fry.

Basin COAST FORK Subbasin	WILLAMETTE SIDE CHN WILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	<b>CF11E</b> 5/22/2007 498954 4857992
Surface Area (m2)	1344	Types of aquatic veget	ation <sup>1</sup>
Average Depth (m)	0.5	Submergent	55
Maximum Depth (m)	0.9	Emergent	30
	13	Floating	10
Water Temperature (C)	-	Algae	5
Percent Silt / Organics	40	Total	100
Native Fish Species Collect	ted:	Non-native Fish Specie	es Collected:
Oregon Chub	83	Western Mosquitofis	sh
Cottids	4	Bullheads	
Speckled Dace	269	Common Carp	
Redside Shiners	40	Bluegills	12
Northern Pikeminnows	8	Largemouth Bass	1
Largescale Suckers	10	Pumpkinseeds	
Sand Rollers	2	Crappies	11
Threespine Sticklebacks	326	Smallmouth Bass	
Salmonids <sup>2</sup>		Banded Killifish	
Lamprey			
Chiselmouth		Other:	
NOTE: POPULATION ES	ГІМАТЕ		
Site Name LYNX HOLLO	w	Map Code	LYNX1D
Site Name LYNX HOLLO Basin COAST FORK		Map Code Sampling Date	5/23/2007
Site Name LYNX HOLLO	w	Map Code	
Site Name LYNX HOLLO Basin COAST FORK	w	Map Code Sampling Date	5/23/2007 498103 4856295
Site Name LYNX HOLLO Basin COAST FORK Subbasin	<b>W</b> WILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	5/23/2007 498103 4856295
Site Name LYNX HOLLO Basin COAST FORK Subbasin  Surface Area (m2)  Average Depth (m)	W WILLAMETTE RIVER  4780 0.6	Map Code Sampling Date Location: Zone 10T	5/23/2007 498103 4856295 ation <sup>1</sup>
Site Name LYNX HOLLO Basin COAST FORK Subbasin  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)	W WILLAMETTE RIVER 4780 0.6 0.9	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	5/23/2007 498103 4856295 ation <sup>1</sup> 50
Site Name LYNX HOLLO Basin COAST FORK Subbasin  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)	W WILLAMETTE RIVER 4780 0.6 0.9 16	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	5/23/2007 498103 4856295 ation <sup>1</sup> 50 30
Site Name LYNX HOLLO Basin COAST FORK Subbasin  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)	W WILLAMETTE RIVER 4780 0.6 0.9	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	5/23/2007 498103 4856295 ation <sup>1</sup> 50 30
Site Name LYNX HOLLO Basin COAST FORK Subbasin  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)	W  WILLAMETTE RIVER  4780  0.6  0.9  16  70	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	5/23/2007 498103 4856295 ation <sup>1</sup> 50 30 20 100
Site Name LYNX HOLLO Basin COAST FORK Subbasin  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	W  WILLAMETTE RIVER  4780  0.6  0.9  16  70	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total	5/23/2007 498103 4856295 ation 1  50 30 20  100 es Collected:
Site Name LYNX HOLLO Basin COAST FORK Subbasin  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect	W  4780 0.6 0.9 16 70	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	5/23/2007 498103 4856295 ation 1  50 30 20  100 es Collected:
Site Name LYNX HOLLO Basin COAST FORK Subbasin  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)  Percent Silt / Organics  Native Fish Species Collect  Oregon Chub	W 4780 0.6 0.9 16 70	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	5/23/2007 498103 4856295 ation 1  50 30 20  100 es Collected:
Site Name LYNX HOLLO Basin COAST FORK Subbasin  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)  Percent Silt / Organics  Native Fish Species Collect  Oregon Chub  Cottids	W 4780 0.6 0.9 16 70 eed:	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	5/23/2007 498103 4856295 ation 1  50 30 20  100 es Collected:
Site Name Basin COAST FORK 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	W 4780 0.6 0.9 16 70 ed: 2 8 26	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	5/23/2007 498103 4856295 ation 1  50 30 20  100 es Collected:
Site Name LYNX HOLLO Basin COAST FORK 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	W  4780 0.6 0.9 16 70  ed: 2 8 26 23	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	5/23/2007 498103 4856295 ation 1  50 30 20  100 es Collected:
Site Name LYNX HOLLO Basin COAST FORK 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	W 4780 0.6 0.9 16 70 ed: 2 8 26 23 16	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	5/23/2007 498103 4856295 ation 1  50 30 20  100 es Collected:
Site Name LYNX HOLLO Basin COAST FORK 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	W 4780 0.6 0.9 16 70 ed: 2 8 26 23 16	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	5/23/2007 498103 4856295 ation 1  50 30 20  100 es Collected:
Site Name LYNX HOLLO Basin COAST FORK 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	W 4780 0.6 0.9 16 70 ted: 2 8 26 23 16 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	5/23/2007 498103 4856295 ation 1  50 30 20  100 es Collected:
Site Name Basin COAST FORK 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	W 4780 0.6 0.9 16 70 ted: 2 8 26 23 16 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	5/23/2007 498103 4856295 ation 1  50 30 20  100 es Collected:

# COAST FORK WILLAMETTE RIVER BASIN

Site Name Basin Subbasin	CAMAS SWALE COAST FORK WILL CAMAS SWALE	AMETTE RIVER	Map Code Sampling Date Location: Zone 10T	<b>CS1J</b> 5/22/2007 494550 48	363575
Surface Area	a (m2)	400	Types of aquatic veget	ation <sup>1</sup>	
Average De	pth (m)	0.7	Submergent		
Maximum D		1.2	Emergent		5
Water Temp		13	Floating		
·		-	Algae		
Percent Silt	/ Organics	100	Total		5
Native Fish	Species Collected:		Non-native Fish Specie	s Collected:	
Oregon C	hub		Western Mosquitofis	h	2
Cottids			Bullheads		
Speckled			Common Carp		
Redside S			Bluegills		
	Pikeminnows		Largemouth Bass		
Largescal Sand Roll	le Suckers		Pumpkinseeds		4
	iers ne Sticklebacks		Crappies Smallmouth Bass		
Salmonid			Banded Killifish		
Lamprey	3		Banded Killinsii		
Chiselmo	uth				
NOTE:	•••		Other:		
Site Name Basin Subbasin	HERMAN POND COAST FORK WILL ROW RIVER	AMETTE RIVER	Map Code Sampling Date Location: Zone 10T	<b>LAYNG1H</b> 5/23/2007 525471 48	342030
		2240	Types of aquatic veget	ation <sup>1</sup>	
Surface Area	a (m2)	3240			
Surface Area		3240	Submergent		40
Average De	pth (m)	0.9	Submergent Emergent		40 50
Average De <sub>l</sub> Maximum De	pth (m) epth (m)	0.9 1.5	Submergent Emergent Floating		40 50 15
Average De <sub>l</sub> Maximum D	pth (m) epth (m)	0.9	Emergent		50
Average Dep Maximum De Water Temp	pth (m) epth (m) perature (C)	0.9 1.5	Emergent Floating		50 15
Average Dep Maximum De Water Temp Percent Silt	pth (m) epth (m) perature (C)	0.9 1.5 14	Emergent Floating Algae	es Collected:	50 15 5
Average Dep Maximum De Water Temp Percent Silt	pth (m) epth (m) perature (C) / Organics Species Collected:	0.9 1.5 14	Emergent Floating Algae <i>Total</i>		50 15 5
Average Dep Maximum Dep Water Temp Percent Silt  Native Fish	pth (m) epth (m) perature (C) / Organics Species Collected:	0.9 1.5 14 100	Emergent Floating Algae Total Non-native Fish Specie		50 15 5
Average Dep Maximum Dep Water Temp Percent Silt  Native Fish Oregon C	pth (m) epth (m) perature (C) / Organics Species Collected:	0.9 1.5 14 100	Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis		50 15 5
Average Dep Maximum De Water Temp Percent Silt  Native Fish Oregon C Cottids Speckled Redside S	pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners	0.9 1.5 14 100	Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills		50 15 5
Average Dep Maximum De Water Temp Percent Silt  Native Fish Oregon C Cottids Speckled Redside S Northern	pth (m) epth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows	0.9 1.5 14 100	Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass		50 15 5
Average Dep Maximum De Water Temp Percent Silt  Native Fish Oregon C Cottids Speckled Redside S Northern Largescal	pth (m) epth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers	0.9 1.5 14 100	Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds		50 15 5
Average Del Maximum Del Water Temp Percent Silt I Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	pth (m) epth (m) epth (m) perature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers	0.9 1.5 14 100	Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies		50 15 5
Average Del Maximum Do Water Temp Percent Silt of Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	pth (m) epth (m) epth (m) perature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	0.9 1.5 14 100	Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass		50 15 5
Average Del Maximum De Water Temp Percent Silt I Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin Salmonids	pth (m) epth (m) epth (m) perature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	0.9 1.5 14 100	Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies		50 15 5
Average Del Maximum Do Water Temp Percent Silt of Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	pth (m) epth (m) epth (m) perature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks s²	0.9 1.5 14 100	Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass		50 15 5

NOTE: REINTRODUCTION SITE- POPULATION ESTIMATE

Site Name Basin Subbasin	ANKENY NWR-W LOWER WILLAM ANKENY		Map Code Sampling Date Location: Zone 10T	<b>WM1E*</b> 9/18/2007 494684 4958441
Surface Area	(m2)	25120	Types of aquatic veget	ation <sup>1</sup>
Average Dep	th (m)	0.7	Submergent	25
Maximum De	epth (m)	2	Emergent	60
Water Tempe		19	Floating	5
Percent Silt /	` '	100	Algae	10
reiteilt Siit /	Organics	100	Total	100
Native Fish S	Species Collected		Non-native Fish Specie	es Collected:
Oregon Ch	nub	26418	Western Mosquitofis	sh
Cottids			Bullheads	
Speckled [	Dace		Common Carp	
Redside S	hiners		Bluegills	
Northern F	Pikeminnows		Largemouth Bass	
Largescale	Suckers		Pumpkinseeds	
Sand Rolle	ers		Crappies	
Threespine	e Sticklebacks		Smallmouth Bass	
Salmonids	2		Banded Killifish	
Lamprey				
Chiselmou	th		Other:	

	<b>IG ISLAND</b> ICKENZIE RIVER		Map Code Sampling Date Location: Zone 10T	<b>BIG1-6E</b> 5/1/2007 507253	4879014
Surface Area (m	n2)	8519	Types of aquatic veget	ation <sup>1</sup>	
Average Depth (	,	0.6	Submergent		25
			Emergent		37
Maximum Depth		1.5	Floating		10
Water Temperat	ture (C)	10.5	Algae		
Percent Silt / Or	ganics	90	Total		72
Native Fish Spe	ecies Collected:		Non-native Fish Specie	es Collected:	:
Oregon Chub		192	Western Mosquitofis	sh	
Cottids		4	Bullheads		
Speckled Dad	ce	27	Common Carp		
Redside Shin	ers	475	Bluegills		
Northern Pike	eminnows	2	Largemouth Bass		
Largescale Si	uckers	10	Pumpkinseeds		
Sand Rollers			Crappies		
Threespine S	ticklebacks	11483	Smallmouth Bass		
Salmonids <sup>2</sup>	CH	2	Banded Killifish		
Lamprey					
Chiselmouth			Othory		
NOTE: POPU	JLATION ESTIMATE		Other:  Map Code	CAMP1	
NOTE: POPU				<b>CAMP1</b> 4/26/2007 508099	4878829
NOTE: POPU	AMP CREEK SLOU ICKENZIE RIVER		Map Code Sampling Date	4/26/2007 508099	
NOTE: POPU Site Name C. Basin M Subbasin	AMP CREEK SLOU ICKENZIE RIVER	GH- HUNSAKER	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	4/26/2007 508099	
NOTE: POPU Site Name C Basin M Subbasin Surface Area (m Average Depth (	AMP CREEK SLOU ICKENZIE RIVER 12) (m)	2000 0.8	Map Code Sampling Date Location: Zone 10T	4/26/2007 508099	4878829
NOTE: POPU Site Name C. Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth	AMP CREEK SLOU ICKENZIE RIVER 12) (m)	2000 0.8 1.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	4/26/2007 508099	4878829
NOTE: POPU Site Name C Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth Water Temperat	AMP CREEK SLOU ICKENZIE RIVER (m) (m) (m) (ture (C)	2000 0.8	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	4/26/2007 508099	4878829 30 20
NOTE: POPU Site Name C Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth Water Temperat	AMP CREEK SLOU ICKENZIE RIVER (m) (m) (m) (ture (C)	2000 0.8 1.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	4/26/2007 508099	30 20 0
NOTE: POPU Site Name C Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth Water Temperat Percent Silt / On	AMP CREEK SLOU ICKENZIE RIVER (m) (m) (m) (ture (C)	2000 0.8 1.5 11	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	4/26/2007 508099 ation <sup>1</sup>	30 20 0 0 50
NOTE: POPU Site Name C Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth Water Temperat Percent Silt / On	AMP CREEK SLOU ICKENZIE RIVER  12) (m) 1 (m) ture (C) ganics ecies Collected:	2000 0.8 1.5 11	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae  Total	4/26/2007 508099 ation <sup>1</sup>	30 20 0 0 50
NOTE: POPU Site Name C Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth Water Temperat Percent Silt / Or, Native Fish Spe	AMP CREEK SLOU ICKENZIE RIVER  12) (m) 1 (m) ture (C) ganics ecies Collected:	2000 0.8 1.5 11	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/26/2007 508099 ation <sup>1</sup>	30 20 0 0 50
NOTE: POPU Site Name C. Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth Water Temperat Percent Silt / Ore Native Fish Spe	AMP CREEK SLOU ICKENZIE RIVER  12) (m) 1 (m) 1 ture (C) 1 ganics 1 ecies Collected:	2000 0.8 1.5 11 50	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	4/26/2007 508099 ation <sup>1</sup>	30 20 0 0 50
NOTE: POPU Site Name C. Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth Water Temperat Percent Silt / Or Native Fish Spe Oregon Chub Cottids	AMP CREEK SLOU ICKENZIE RIVER  12) (m) 1 (m) 1 ture (C) 1 ganics 1 ecies Collected:	2000 0.8 1.5 11 50	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	4/26/2007 508099 ation <sup>1</sup>	30 20 0 0 50
NOTE: POPU Site Name C Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth Water Temperat Percent Silt / Ore Oregon Chub Cottids Speckled Dac Redside Shin	AMP CREEK SLOU ICKENZIE RIVER  12) (m) 1 (m) 1 ture (C) 1 ganics 1 cecies Collected: 1 ceceers 1 eminnows	2000 0.8 1.5 11 50	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	4/26/2007 508099 ation <sup>1</sup>	30 20 0 0 50
NOTE: POPL Site Name C Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth Water Temperat Percent Silt / Or, Native Fish Spe Oregon Chub Cottids Speckled Dac Redside Shink Northern Pike Largescale St	AMP CREEK SLOU ICKENZIE RIVER  12) (m) 1 (m) 1 ture (C) 1 ganics 1 cecies Collected: 1 ceceers 1 eminnows	2000 0.8 1.5 11 50	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	4/26/2007 508099 ation <sup>1</sup>	30 20 0 0 50
NOTE: POPL Site Name C Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth Water Temperat Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dac Redside Shin Northern Pike Largescale Si Sand Rollers	AMP CREEK SLOU ICKENZIE RIVER  12) (m) 1 (m) 1 ture (C) 1 ganics 1 cee eers 1 eeminnows 1 uckers	2000 0.8 1.5 11 50	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	4/26/2007 508099 ation <sup>1</sup>	30 20 0 0 50
NOTE: POPU Site Name C Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth Water Temperat Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dac Redside Shin Northern Pike Largescale St Sand Rollers Threespine St	AMP CREEK SLOU ICKENZIE RIVER  12) (m) 1 (m) 1 ture (C) 1 ganics 1 cee eers 1 eeminnows 1 uckers	2000 0.8 1.5 11 50	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	4/26/2007 508099 ation <sup>1</sup>	30 20 0 0 50
NOTE: POPL Site Name C Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth Water Temperat Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dac Redside Shin Northern Pike Largescale Si Sand Rollers	AMP CREEK SLOU ICKENZIE RIVER  12) (m) 1 (m) 1 ture (C) 1 ganics 1 cee eers 1 eeminnows 1 uckers	2000 0.8 1.5 11 50	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	4/26/2007 508099 ation <sup>1</sup>	30 20 0 0 50
NOTE: POPU Site Name C Basin M Subbasin Surface Area (m Average Depth ( Maximum Depth Water Temperat Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dac Redside Shin Northern Pike Largescale St Sand Rollers Threespine St	AMP CREEK SLOU ICKENZIE RIVER  12) (m) 1 (m) 1 ture (C) 1 ganics 1 ce 1 ers 1	2000 0.8 1.5 11 50 1 20 43 4 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	4/26/2007 508099 ation <sup>1</sup>	30 20 0 0 50

	ND- MELEVIN CROSSING	Map Code	GREEN5	
Basin MCKENZIE R	IVER	Sampling Date	10/12/2007	
Subbasin		Location: Zone 10T	491647	4884993
Surface Area (m2)	450	Types of aquatic veget	ation <sup>1</sup>	
Average Depth (m)	0.7	Submergent		60
Maximum Depth (m)	1.2	Emergent		20
Water Temperature (C)	13	Floating		10
	-	Algae		0
Percent Silt / Organics	75	Total		90
Native Fish Species Collec	ted:	Non-native Fish Specie	es Collected:	
Oregon Chub	12	Western Mosquitofis	sh	10
Cottids	3	Bullheads		
Speckled Dace		Common Carp		
Redside Shiners	1	Bluegills		1
Northern Pikeminnows	3	Largemouth Bass		
Largescale Suckers		Pumpkinseeds		
Sand Rollers		Crappies		
Threespine Sticklebacks	720	Smallmouth Bass		
Salmonids <sup>2</sup>		Banded Killifish		
Lamprey				
/				
Chiselmouth				
Chiselmouth  NOTE: MCKENZIE RIVER	R TRUST PROPERTY & PRIVATE	Other:		
NOTE: MCKENZIE RIVER	ND	Map Code	RUSS1I	
NOTE: MCKENZIE RIVER Site Name RUSSELL PO Basin MCKENZIE R	NDD IVER	Map Code Sampling Date	4/25/2007	
NOTE: MCKENZIE RIVER Site Name RUSSELL PO Basin MCKENZIE R	NDD IVER	Map Code	4/25/2007	4897084
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV	NDD IVER	Map Code Sampling Date	4/25/2007 515585	4897084
NOTE: MCKENZIE RIVER Site Name RUSSELL PO Basin MCKENZIE R Subbasin MOHAWK RIV Surface Area (m2)	NND IVER /ER	Map Code Sampling Date Location: Zone 10T	4/25/2007 515585	4897084
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV  Surface Area (m2)  Average Depth (m)	NND IVER /ER 800 2.2	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	4/25/2007 515585	
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)	ND IVER /ER 800 2.2 2	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	4/25/2007 515585	10
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)	NND IVER VER 800 2.2 2 10.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	4/25/2007 515585	10 30
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)	ND IVER /ER 800 2.2 2	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	4/25/2007 515585	10 30 0
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)  Percent Silt / Organics	ND IVER /ER  800 2.2 2 10.5 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae	4/25/2007 515585 ation <sup>1</sup>	10 30 0
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)  Percent Silt / Organics	ND IVER /ER  800 2.2 2 10.5 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total	4/25/2007 515585 ation 1	10 30 0
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)  Percent Silt / Organics  Native Fish Species Collect	NND IVER /ER 800 2.2 2 10.5 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/25/2007 515585 ation 1	10 30 0
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)  Percent Silt / Organics  Native Fish Species Collect  Oregon Chub	NND IVER /ER 800 2.2 2 10.5 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	4/25/2007 515585 ation 1	10 30 0
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)  Percent Silt / Organics  Native Fish Species Collect  Oregon Chub  Cottids	NND IVER /ER 800 2.2 2 10.5 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	4/25/2007 515585 ation 1	10 30 0
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)  Percent Silt / Organics  Native Fish Species Collect  Oregon Chub  Cottids  Speckled Dace	NND IVER /ER 800 2.2 2 10.5 100	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	4/25/2007 515585 ation 1	10 30 0
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV  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	NND IVER /ER 800 2.2 2 10.5 100	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	4/25/2007 515585 ation 1	10 30 0
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV  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	NND IVER /ER 800 2.2 2 10.5 100	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	4/25/2007 515585 ation 1	10 30 0
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R Subbasin MOHAWK RIV  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	NND IVER /ER 800 2.2 2 10.5 100	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	4/25/2007 515585 ation 1	10 30 0
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R Subbasin MOHAWK RIV  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	NND IVER /ER 800 2.2 2 10.5 100	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	4/25/2007 515585 ation 1	10 30 0
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R  Subbasin MOHAWK RIV  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  Salmonids 2	NND IVER /ER 800 2.2 2 10.5 100	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	4/25/2007 515585 ation 1	10 30 0
NOTE: MCKENZIE RIVER  Site Name RUSSELL PO Basin MCKENZIE R Subbasin MOHAWK RIV  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	NND IVER /ER 800 2.2 2 10.5 100	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	4/25/2007 515585 ation 1	10 30 0

# MCKENZIE RIVER BASIN

Site Name	SHETZLINE MIDDLI	E-NORTH POND	Map Code	SHET2-3[	
Basin Subbasin	MCKENZIE RIVER MOHAWK RIVER		Sampling Date Location: Zone 10T	4/25/2007 515031	4897492
Jubbasiii	MOTAWK KIVEK		Location. Zone 101	313031	4037432
Surface Area	a (m2)	2100	Types of aquatic veget	ation <sup>1</sup>	
Average De <sub>l</sub>	oth (m)	1.5	Submergent		20
Maximum D	epth (m)	2	Emergent		30
Water Temp		12	Floating		5
			Algae		0
Percent Silt	Organics	100	Total		55
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:	
Oregon C	hub		Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled	Dace		Common Carp		
Redside S	Shiners		Bluegills		
Northern	Pikeminnows		Largemouth Bass		
Largescal	e Suckers		Pumpkinseeds		
Sand Roll			Crappies		
Threespin	e Sticklebacks		Smallmouth Bass		
Salmonid			Banded Killifish		
Lamprey					
Lalliblev					
Chiselmo	uth				
Chiselmon	AB. PROJECT 2004, R	OTENONE FALL 2006	Other:	SHET1E	NO FISH
Chiselmon NOTE: HA	AB. PROJECT 2004, R			SHET1E 4/25/2007 515031	
Chiselmon NOTE: H/ Site Name Basin Subbasin	AB. PROJECT 2004, R  SHETZLINE SOUTH  MCKENZIE RIVER  MOHAWK RIVER	POND	Map Code Sampling Date Location: Zone 10T	4/25/2007 515031	
Chiselmon NOTE: H/ Site Name Basin Subbasin Surface Area	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER	700	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	4/25/2007 515031	4897452
Chiselmo	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER	POND	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	4/25/2007 515031	4897452
Chiselmon NOTE: H/ Site Name Basin Subbasin Surface Area	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER a (m2) oth (m)	700	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	4/25/2007 515031	4897452 50 10
Chiselmon NOTE: H/ Site Name Basin Subbasin Surface Area Average Del	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) oth (m) epth (m)	700 2	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	4/25/2007 515031	4897452
Chiselmon NOTE: H/ Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) both (m) epth (m) erature (C)	700 2 2.5 12	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae	4/25/2007 515031	4897452 50 10 20
Chiselmon NOTE: H/ Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) oth (m) epth (m) erature (C) / Organics	700 2 2.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total	4/25/2007 515031 ation <sup>1</sup>	4897452 50 10 20 80
Chiselmon NOTE: H/ Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	700 2 2.5 12 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/25/2007 515031 ation <sup>1</sup>	4897452 50 10 20 80
Chiselmon NOTE: H/ Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) bth (m) epth (m) erature (C) / Organics Species Collected:	700 2 2.5 12 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	4/25/2007 515031 ation <sup>1</sup>	4897452 50 10 20 80
Chiselmon NOTE: H/ Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub	700 2 2.5 12 100 <b>207</b> 9	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	4/25/2007 515031 ation <sup>1</sup>	4897452 50 10 20 80
Chiselmon NOTE: H/ Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	700 2 2.5 12 100 <b>207</b> 9 434	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	4/25/2007 515031 ation <sup>1</sup>	4897452 50 10 20 80
Chiselmon NOTE: H/ Site Name Basin Subbasin Surface Area Average Del Maximum Do Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners	700 2 2.5 12 100 <b>207</b> 9	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	4/25/2007 515031 ation <sup>1</sup>	4897452 50 10 20 80
Chiselmon NOTE: H/ Site Name Basin Subbasin Subbasin Surface Area Average Del Maximum Del Maximum Del Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) bth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows	700 2 2.5 12 100 <b>207</b> 9 434	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	4/25/2007 515031 ation <sup>1</sup>	4897452 50 10 20 80
Chiselmon NOTE: H/ Site Name Basin Subbasin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) both (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers	700 2 2.5 12 100 <b>207</b> 9 434	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	4/25/2007 515031 ation <sup>1</sup>	4897452 50 10 20 80
Chiselmon NOTE: H/ 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	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) both (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers	700 2 2.5 12 100 <b>207</b> 9 434	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	4/25/2007 515031 ation <sup>1</sup>	4897452 50 10 20 80
Chiselmon NOTE: H/ 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	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	700 2 2.5 12 100 <b>207</b> 9 434	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	4/25/2007 515031 ation <sup>1</sup>	4897452 50 10 20 80
Chiselmon NOTE: H/ 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 Salmonids	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	700 2 2.5 12 100 <b>207</b> 9 434	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	4/25/2007 515031 ation <sup>1</sup>	4897452 50 10 20 80
Chiselmon NOTE: H/ 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	SHETZLINE SOUTH MCKENZIE RIVER MOHAWK RIVER  a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	700 2 2.5 12 100 <b>207</b> 9 434 987	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	4/25/2007 515031 ation <sup>1</sup>	4897452 50 10 20 80

# MCKENZIE RIVER BASIN

Site Name Basin	DRURY MEADOW PO MCKENZIE RIVER	OND 1- HORSE CK	Map Code Sampling Date	<b>DMP1</b> 5/17/2007	
Subbasin	WF HORSE CREEK		Location: Zone 10T	564689	4890639
Surface Area	a (m2)	550	Types of aquatic veget	ation <sup>1</sup>	
Average Dep	oth (m)	0.7	Submergent		60
Maximum De	epth (m)	1.1	Emergent		10
Water Tempe		17	Floating		0
			Algae		15
Percent Silt /	Organics	90	Total		85
	Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Ch	nub		Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled I	Dace	25	Common Carp		
Redside S	hiners		Bluegills		
Northern I	Pikeminnows		Largemouth Bass		
Largescale	e Suckers		Pumpkinseeds		
Sand Rolle	ers		Crappies		
Threespine	e Sticklebacks		Smallmouth Bass		
Salmonids	3 <sup>2</sup>		Banded Killifish		
Lamprey					
	OKENZIE R TRUST PRO  DRURY POND DOWN		Other:  Map Code	DMP3	
NOTE: MC Site Name Basin	CKENZIE R TRUST PRO			<b>DMP3</b> 5/17/2007 564552	4890561
NOTE: MC Site Name Basin Subbasin	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK	ISTRM- HORSE CK	Map Code Sampling Date Location: Zone 10T	5/17/2007 564552	4890561
NOTE: MC Site Name Basin Subbasin Surface Area	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK	ISTRM- HORSE CK 275	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	5/17/2007 564552	
NOTE: MC Site Name Basin Subbasin Surface Area Average Dep	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) oth (m)	275 0.1	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	5/17/2007 564552	40
NOTE: MC Site Name Basin Subbasin Surface Area	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) oth (m)	ISTRM- HORSE CK 275	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	5/17/2007 564552	40 20
NOTE: MC Site Name Basin Subbasin Surface Area Average Dep Maximum De	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) oth (m) epth (m)	275 0.1	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating	5/17/2007 564552	40 20 0
NOTE: MC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) oth (m) epth (m) erature (C)	275 0.1 0.1	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	5/17/2007 564552	40 20
NOTE: MC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt /	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) oth (m) epth (m) erature (C) Corganics	275 0.1 0.1 18	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total	5/17/2007 564552 ation <sup>1</sup>	40 20 0 20 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish S	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) oth (m) epth (m) erature (C) Torganics  Species Collected:	275 0.1 0.1 18	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	5/17/2007 564552 ation <sup>1</sup>	40 20 0 20 80
NOTE: MC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish S	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) oth (m) epth (m) erature (C) Torganics  Species Collected:	275 0.1 0.1 18	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	5/17/2007 564552 ation <sup>1</sup>	40 20 0 20 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish S Oregon Ch	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) oth (m) epth (m) erature (C) Corganics Species Collected: hub	275 0.1 0.1 18	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	5/17/2007 564552 ation <sup>1</sup>	40 20 0 20 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled I	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) oth (m) epth (m) erature (C) Corganics Species Collected: hub	275 0.1 0.1 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	5/17/2007 564552 ation <sup>1</sup>	40 20 0 20 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish soregon Ch Cottids Speckled I Redside S	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) oth (m) epth (m) erature (C) Corganics Species Collected: hub Dace chiners	275 0.1 0.1 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	5/17/2007 564552 ation <sup>1</sup>	40 20 0 20 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish : Oregon Ch Cottids Speckled I Redside S Northern I	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) oth (m) epth (m) erature (C) Corganics Species Collected: hub  Dace chiners Pikeminnows	275 0.1 0.1 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	5/17/2007 564552 ation <sup>1</sup>	40 20 0 20 80
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 I Largescale	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) bth (m) erature (C) Corganics Species Collected: hub  Dace thiners Pikeminnows e Suckers	275 0.1 0.1 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	5/17/2007 564552 ation <sup>1</sup>	40 20 0 20 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled I Redside S Northern I Largescale Sand Rolle	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) bith (m) epth (m) erature (C) Torganics Species Collected: hub Dace shiners Pikeminnows e Suckers ers	275 0.1 0.1 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	5/17/2007 564552 ation <sup>1</sup>	40 20 0 20 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled I Redside S Northern I Largescale Sand Rolle Threespine	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) oth (m) epth (m) erature (C) Corganics Species Collected: hub Dace chiners Pikeminnows e Suckers ers e Sticklebacks	275 0.1 0.1 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	5/17/2007 564552 ation <sup>1</sup>	40 20 0 20 80
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 I Largescale Sand Rolle Threespine	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) oth (m) epth (m) erature (C) Corganics Species Collected: hub Dace chiners Pikeminnows e Suckers ers e Sticklebacks	275 0.1 0.1 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	5/17/2007 564552 ation <sup>1</sup>	40 20 0 20 80
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish S Oregon Ch Cottids Speckled I Redside S Northern I Largescale Sand Rolle Threespine	DRURY POND DOWN MCKENZIE RIVER WF HORSE CREEK  a (m2) bith (m) epth (m) erature (C) Corganics Species Collected: hub  Dace chinners Pikeminnows e Suckers ers e Sticklebacks s 2	275 0.1 0.1 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	5/17/2007 564552 ation <sup>1</sup>	40 20 0 20 80

# MCKENZIE RIVER BASIN

Site Name Basin	DRURY WOOD PO	OND 2- HORSE CK	Map Code Sampling Date	<b>DMP2</b> 5/17/2007
Subbasin	WF HORSE CREE	EK	Location: Zone 10T	564778 4890647
Surface Are	ea (m2)	500	Types of aquatic veget	ation 1
Average De	epth (m)	0.5	Submergent	20
Maximum D	epth (m)	0.8	Emergent	80
Water Temp	,	16.5	Floating	0
	. ,		Algae	0
Percent Silt	/ Organics	85	Total	100
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:
Oregon C	Chub		Western Mosquitofis	sh
Cottids			Bullheads	
Speckled	Dace		Common Carp	
Redside	Shiners		Bluegills	
Northern	Pikeminnows		Largemouth Bass	
Largesca	le Suckers		Pumpkinseeds	
Sand Rol	lers		Crappies	
Threespii	ne Sticklebacks		Smallmouth Bass	
Salmonid	ls <sup>2</sup>		Banded Killifish	
Lamprey				
Chiselmo	outh		Other:	NO FISH

NOTE: MCKENZIE R TRUST PROPERTY

Basin	MIDDLE FORK WIL	NSTRUCTED ALCOVE	Map Code Sampling Date	ACOEDEX1A* 9/5/2007
Subbasin	WIDDLE FORK WIL	LAMETTE RIVER	Location: Zone 10T	519221 486205
Surface Area (	(m2)	420	Types of aquatic veget	ation <sup>1</sup>
Average Deptl	h (m)	0.7	Submergent	35
Maximum Dep		1.2	Emergent	50
·	, ,	19	Floating	0
Water Temper			Algae	15
Percent Silt / 0	Organics	20	Total	100
Native Fish S	pecies Collected:		Non-native Fish Specie	es Collected:
Oregon Chu	ub		Western Mosquitofis	sh
Cottids		40	Bullheads	
Speckled D	ace		Common Carp	
Redside Sh	niners	3	Bluegills	
Northern P	rikeminnows		Largemouth Bass	
Largescale	Suckers		Pumpkinseeds	
Sand Roller	rs		Crappies	
Threespine	Sticklebacks		Smallmouth Bass	
Salmonids <sup>2</sup>	2		Banded Killifish	
Lamprey				
Chiselmout	h			
	DE CONSTRUCTED	ALCOVE OFF DEX RESERV	Other: /	
NOTE: ACC			/	
NOTE: ACC	ACOE DEXTER CO	NSTRUCTED ALCOVE	/ Map Code	ACOEDEX1
NOTE: ACC		NSTRUCTED ALCOVE	Map Code Sampling Date	4/22/2007
NOTE: ACC	ACOE DEXTER CO	NSTRUCTED ALCOVE	/ Map Code	
NOTE: ACC	ACOE DEXTER CO MIDDLE FORK WIL	NSTRUCTED ALCOVE	Map Code Sampling Date	4/22/2007 519221 486205
NOTE: ACC Site Name Basin Subbasin	ACOE DEXTER CO MIDDLE FORK WIL (m2)	NSTRUCTED ALCOVE LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	4/22/2007 519221 486205
NOTE: ACC Site Name Basin Subbasin Surface Area (	ACOE DEXTER CO MIDDLE FORK WILL (m2) h (m)	NSTRUCTED ALCOVE LAMETTE RIVER 420	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	4/22/2007 519221 486205 ation <sup>1</sup>
NOTE: ACC Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep	ACOE DEXTER CO MIDDLE FORK WILL (m2) h (m) oth (m)	NSTRUCTED ALCOVE LAMETTE RIVER  420 0.7 1.2	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	4/22/2007 519221 486205 ation <sup>1</sup>
NOTE: ACC Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) rature (C)	ASTRUCTED ALCOVE LAMETTE RIVER  420 0.7 1.2 10.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	4/22/2007 519221 486205 ation <sup>1</sup> 0 25
NOTE: ACC Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) rature (C)	NSTRUCTED ALCOVE LAMETTE RIVER  420 0.7 1.2	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	4/22/2007 519221 486205 ation <sup>1</sup> 0 25 0
NOTE: ACC Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep Water Temper Percent Silt / C	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) rature (C)	ASTRUCTED ALCOVE LAMETTE RIVER  420 0.7 1.2 10.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	4/22/2007 519221 486205 ation <sup>1</sup> 0 25 0 0 25
NOTE: ACC Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep Water Temper Percent Silt / C	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) rature (C) Organics species Collected:	ASTRUCTED ALCOVE LAMETTE RIVER  420 0.7 1.2 10.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae  Total	4/22/2007 519221 486205 ation 1 0 25 0 0 25 es Collected:
NOTE: ACC Site Name Basin Subbasin Surface Area of Average Deptl Maximum Dep Water Temper Percent Silt / C	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) rature (C) Organics species Collected:	ASTRUCTED ALCOVE LAMETTE RIVER  420 0.7 1.2 10.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/22/2007 519221 486205 ation 1 0 25 0 0 25 es Collected:
NOTE: ACC Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep Water Temper Percent Silt / C Native Fish S	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) rature (C) Organics species Collected:	## A STRUCTED ALCOVE LAMETTE RIVER  ### 420    0.7    1.2    10.5   20	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	4/22/2007 519221 486205 ation 1 0 25 0 0 25 es Collected:
Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep Water Temper Percent Silt / C Native Fish S Oregon Chu Cottids	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) rature (C) Organics species Collected: ub	## A STRUCTED ALCOVE LAMETTE RIVER  ### 420    0.7    1.2    10.5   20  ### 1	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	4/22/2007 519221 486205 ation 1 0 25 0 0 25 es Collected:
Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep Water Temper Percent Silt / C Native Fish S Oregon Chu Cottids Speckled D Redside Sh	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) rature (C) Organics species Collected: ub	## A 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 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	4/22/2007 519221 486205 ation 1 0 25 0 0 25 es Collected:
Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep Water Temper Percent Silt / C Native Fish S Oregon Chu Cottids Speckled D Redside Sh	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) rature (C) Organics species Collected: ub lacce siners likeminnows	A20 0.7 1.2 10.5 20  1 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 Common Carp Bluegills	4/22/2007 519221 486205 ation 1 0 25 0 0 25 es Collected:
Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep Water Temper Percent Silt / ( Native Fish S Oregon Chu Cottids Speckled D Redside Sh Northern P	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) orature (C) Organics species Collected: ub lace siners likeminnows Suckers	A20 0.7 1.2 10.5 20  1 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 Common Carp Bluegills Largemouth Bass	4/22/2007 519221 486205 ation 1 0 25 0 0 25 es Collected:
Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep Water Temper Percent Silt / ( Native Fish S Oregon Chu Cottids Speckled D Redside Sh Northern P Largescale Sand Roller	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) orature (C) Organics species Collected: ub lace siners likeminnows Suckers	A20 0.7 1.2 10.5 20  1 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 Common Carp Bluegills Largemouth Bass Pumpkinseeds	4/22/2007 519221 486205 ation 1 0 25 0 0 25 es Collected:
Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep Water Temper Percent Silt / ( Native Fish S Oregon Chu Cottids Speckled D Redside Sh Northern P Largescale Sand Roller	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) orature (C) Organics species Collected: ub lace niners fikeminnows Suckers rs Sticklebacks	A20 0.7 1.2 10.5 20  1 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 Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	4/22/2007 519221 486205 ation 1 0 25 0 0 25 es Collected:
Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep Water Temper Percent Silt / C Native Fish S Oregon Chu Cottids Speckled D Redside Sh Northern P Largescale Sand Roller Threespine	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) orature (C) Organics species Collected: ub lace niners fikeminnows Suckers rs Sticklebacks	A20 0.7 1.2 10.5 20  1 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 Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/22/2007 519221 486205 ation 1 0 25 0 0 25 es Collected:
Site Name Basin Subbasin Surface Area ( Average Deptl Maximum Dep Water Temper Percent Silt / C Native Fish S Oregon Chu Cottids Speckled D Redside Sh Northern P Largescale Sand Roller Threespine Salmonids 2	ACOE DEXTER CO MIDDLE FORK WILL  (m2) h (m) oth (m) orature (C) Organics species Collected: ub species Collected: ub species Collected: species Co	A20 0.7 1.2 10.5 20  1 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 Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	4/22/2007 519221 486205 ation 1 0 25 0 0 25 es Collected:

Site Name BARNHARD SLOUG Basin MIDDLE FORK WILL Subbasin		Map Code Sampling Date Location: Zone 10T	<b>BARN1G</b> 4/2/2007 539426 4843773
Surface Area (m2)	1440	Types of aquatic veget	ation <sup>1</sup>
Average Depth (m)	0.6	Submergent	5
Maximum Depth (m)	2	Emergent	80
Water Temperature (C)	8	Floating	5
	-	Algae	5
Percent Silt / Organics	80	Total	95
Native Fish Species Collected:		Non-native Fish Specie	es Collected:
Oregon Chub	4	Western Mosquitofis	sh
Cottids	11	Bullheads	
Speckled Dace	1	Common Carp	
Redside Shiners	2	Bluegills	
Northern Pikeminnows		Largemouth Bass	
Largescale Suckers	2	Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks		Smallmouth Bass	
Salmonids <sup>2</sup> CT=4, CH=1	5	Banded Killifish	
Lamprey Chiselmouth		Other:	
		Other:	
Site Name HAWS POND	AMETTE RIVER	Map Code	HAW1B 4/13/2007
Site Name HAWS POND  Basin MIDDLE FORK WILL	AMETTE RIVER		<b>HAW1B</b> 4/13/2007 539931 4843130
Site Name HAWS POND Basin MIDDLE FORK WILL Subbasin	AMETTE RIVER 902	Map Code Sampling Date	4/13/2007 539931 4843130
Site Name HAWS POND Basin MIDDLE FORK WILL Subbasin Surface Area (m2)		Map Code Sampling Date Location: Zone 10T	4/13/2007 539931 4843130
Site Name HAWS POND Basin MIDDLE FORK WILL Subbasin Surface Area (m2) Average Depth (m)	902	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	4/13/2007 539931 4843130 ation <sup>1</sup>
Basin MIDDLE FORK WILL Subbasin  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)	902 1.2 2	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	4/13/2007 539931 4843130 ation <sup>1</sup>
Site Name HAWS POND Basin MIDDLE FORK WILL Subbasin  Surface Area (m2) Average Depth (m) Maximum Depth (m)  Water Temperature (C)	902 1.2 2 9	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	4/13/2007 539931 4843130 ation <sup>1</sup> 63 12
Site Name HAWS POND Basin MIDDLE FORK WILL Subbasin  Surface Area (m2) Average Depth (m) Maximum Depth (m)  Water Temperature (C)	902 1.2 2	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	4/13/2007 539931 4843130 ation <sup>1</sup> 63 12
Site Name HAWS POND Basin MIDDLE FORK WILL Subbasin  Surface Area (m2)  Average Depth (m)	902 1.2 2 9	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae	4/13/2007 539931 4843130 ation <sup>1</sup> 63 12 5
Site Name HAWS POND Basin MIDDLE FORK WILL Subbasin  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	902 1.2 2 9	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae  Total	4/13/2007 539931 4843130 ation <sup>1</sup> 63 12 5 80 es Collected:
Site Name HAWS POND Basin MIDDLE FORK WILL Subbasin  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)  Percent Silt / Organics  Native Fish Species Collected:	902 1.2 2 9 90	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/13/2007 539931 4843130 ation <sup>1</sup> 63 12 5 80 es Collected:
Site Name HAWS POND 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	902 1.2 2 9 90	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/13/2007 539931 4843130 ation <sup>1</sup> 63 12 5 80 es Collected:
Site Name HAWS POND 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	902 1.2 2 9 90	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	4/13/2007 539931 4843130 ation <sup>1</sup> 63 12 5 80 es Collected:
Site Name HAWS POND 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	902 1.2 2 9 90 382 4 85	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	4/13/2007 539931 4843130 ation <sup>1</sup> 63 12 5 80 es Collected:
Site Name HAWS POND 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	902 1.2 2 9 90 382 4 85 639	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	4/13/2007 539931 4843130 ation <sup>1</sup> 63 12 5 80 es Collected:
Site Name HAWS POND 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	902 1.2 2 9 90 382 4 85 639	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	4/13/2007 539931 4843130 ation <sup>1</sup> 63 12 5 80 es Collected:
Site Name HAWS POND 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	902 1.2 2 9 90 382 4 85 639	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	4/13/2007 539931 4843130 ation <sup>1</sup> 63 12 5 80 es Collected:
Site Name HAWS POND 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	902 1.2 2 9 90 382 4 85 639	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	4/13/2007 539931 4843130 ation <sup>1</sup> 63 12 5 80 es Collected:
Site Name HAWS POND 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	902 1.2 2 9 90 382 4 85 639	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	4/13/2007 539931 4843130 ation <sup>1</sup> 63 12 5 80 es Collected:

Basin MIDDLE FORK WILL Subbasin	DUGH LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	<b>CAP1L</b> 4/23/2007 507693 4870573
Surface Area (m2)	3600	Types of aquatic veget	ation <sup>1</sup>
Average Depth (m)	1	Submergent	100
Maximum Depth (m)	1.5	Emergent	
	13	Floating	
Water Temperature (C)		Algae	
Percent Silt / Organics	100	Total	80
Native Fish Species Collected:		Non-native Fish Specie	es Collected:
Oregon Chub	1	Western Mosquitofis	sh 100
Cottids		Bullheads	
Speckled Dace	10	Common Carp	
Redside Shiners	12	Bluegills	
Northern Pikeminnows		Largemouth Bass	
Largescale Suckers		Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks	2	Smallmouth Bass	
Salmonids <sup>2</sup>		Banded Killifish	
Lamprey			
Chiselmouth			
		Other:	
Site Name OAKRIDGE SLOUG	н	Map Code	OSTP1L 4/4/2007
Site Name OAKRIDGE SLOUG Basin MIDDLE FORK WILL	н	Map Code Sampling Date Location: Zone 10T	<b>OSTP1L</b> 4/4/2007 540294 4843284
Site Name OAKRIDGE SLOUG Basin MIDDLE FORK WILL Subbasin	н	Sampling Date	4/4/2007 540294 4843284
Site Name OAKRIDGE SLOUG Basin MIDDLE FORK WILL Subbasin Surface Area (m2)	<b>H</b> LAMETTE RIVER	Sampling Date Location: Zone 10T  Types of aquatic veget	4/4/2007 540294 4843284
Site Name OAKRIDGE SLOUG Basin MIDDLE FORK WILL Subbasin  Surface Area (m2) Average Depth (m)	H LAMETTE RIVER 4800 1	Sampling Date Location: Zone 10T	4/4/2007 540294 4843284 ation <sup>1</sup>
Site Name OAKRIDGE SLOUG Basin MIDDLE FORK WILL Subbasin  Surface Area (m2) Average Depth (m) Maximum Depth (m)	# LAMETTE RIVER 4800 1 1.6	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	4/4/2007 540294 4843284 ation <sup>1</sup>
Site Name OAKRIDGE SLOUG Basin MIDDLE FORK WILL Subbasin  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)	# LAMETTE RIVER 4800 1 1.6 9	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent	4/4/2007 540294 4843284 ation <sup>1</sup> 15 30
Site Name OAKRIDGE SLOUG Basin MIDDLE FORK WILL Subbasin  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)	# LAMETTE RIVER 4800 1 1.6	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	4/4/2007 540294 4843284 ation 1 15 30 20
Site Name Basin Subbasin  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	# LAMETTE RIVER 4800 1 1.6 9	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	4/4/2007 540294 4843284 ation 1  15 30 20 35 100
Site Name Basin Subbasin  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	# LAMETTE RIVER 4800 1 1.6 9	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae  Total	4/4/2007 540294 4843284 ation 1  15 30 20 35 100  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:	# LAMETTE RIVER 4800 1 1.6 9	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/4/2007 540294 4843284 ation 1  15 30 20 35 100  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	# LAMETTE RIVER 4800 1 1.6 9 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	4/4/2007 540294 4843284 ation 1  15 30 20 35 100  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 Cottids	# LAMETTE RIVER 4800 1 1.6 9 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	4/4/2007 540294 4843284 ation 1  15 30 20 35 100  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 Cottids Speckled Dace	# LAMETTE RIVER 4800 1 1.6 9 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	4/4/2007 540294 4843284 ation 1  15 30 20 35 100  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 Cottids Speckled Dace Redside Shiners	# LAMETTE RIVER 4800 1 1.6 9 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	4/4/2007 540294 4843284 ation 1  15 30 20 35 100  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 Cottids Speckled Dace Redside Shiners Northern Pikeminnows	# LAMETTE RIVER 4800 1 1.6 9 100	Sampling Date 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	4/4/2007 540294 4843284 ation 1  15 30 20 35 100 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 Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers	# LAMETTE RIVER 4800 1 1.6 9 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	4/4/2007 540294 4843284 ation 1  15 30 20 35 100 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 Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks	# LAMETTE RIVER 4800 1 1.6 9 100	Sampling Date 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	4/4/2007 540294 4843284 ation 1  15 30 20 35 100 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 <sup>2</sup> CT	# A800 1 1.6 9 100	Sampling Date 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	4/4/2007 540294 4843284 ation 1  15 30 20 35 100 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 Cottids Speckled Dace Redside Shiners Northern Pikeminnows Largescale Suckers Sand Rollers Threespine Sticklebacks Salmonids <sup>2</sup> CT Lamprey	# A800 1 1.6 9 100	Sampling Date 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	4/4/2007 540294 4843284 ation 1  15 30 20 35 100 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	# A800 1 1.6 9 100	Sampling Date 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	4/4/2007 540294 4843284 ation 1  15 30 20 35 100 es Collected:

Site Name Basin Subbasin	SHADY DELL POI MIDDLE FORK WI	ND LLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	<b>SDP1P*</b> 9/10/2007 536757 4848357
Surface Area	(m2)	840	Types of aquatic veget	ation <sup>1</sup>
Average Dept	h (m)	0.5	Submergent	30
Maximum Der	• •	1.1	Emergent	50
			Floating	2
Water Temper	rature (C)	20	Algae	
Percent Silt / 0	Organics	100	Total	82
Native Fish S	species Collected:		Non-native Fish Specie	es Collected:
Oregon Chi	ub	7253	Western Mosquitofis	sh
Cottids		2	Bullheads	
Speckled D	ace	23	Common Carp	
Redside Sh	niners	137	Bluegills	
Northern P	Pikeminnows		Largemouth Bass	
Largescale			Pumpkinseeds	
Sand Roller	rs		Crappies	
Threespine	Sticklebacks		Smallmouth Bass	
Salmonids <sup>2</sup>			Banded Killifish	
Lamprey				
Chiselmout	h		Other:	
Chiselmout  NOTE: POR  Site Name	PULATION ESTIMA	EK	Map Code	BCK9-12I 4/13/2007
Chiselmout  NOTE: POF  Site Name  Basin	PULATION ESTIMA	EK LLAMETTE RIVER		<b>BCK9-12I</b> 4/13/2007 537950 4847919
Chiselmout	PULATION ESTIMA  BUCKHEAD CREI  MIDDLE FORK WI  BUCKHEAD CREE	EK LLAMETTE RIVER	Map Code Sampling Date	4/13/2007 537950 4847919
Chiselmout  NOTE: POR  Site Name Basin Subbasin	BUCKHEAD CREI MIDDLE FORK WI BUCKHEAD CREE (m2)	<b>EK</b> LLAMETTE RIVER EK	Map Code Sampling Date Location: Zone 10T	4/13/2007 537950 4847919
Chiselmout  NOTE: POR  Site Name Basin Subbasin  Surface Area Average Dept	BUCKHEAD CREI MIDDLE FORK WI BUCKHEAD CREE (m2) h (m)	EK LLAMETTE RIVER EK 11290	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	4/13/2007 537950 4847919 ation <sup>1</sup>
Chiselmout  NOTE: POI  Site Name Basin Subbasin  Surface Area Average Dept Maximum Dep	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE (m2) (h (m) oth (m)	EK LLAMETTE RIVER EK 11290 0.8	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	4/13/2007 537950 4847919 Pation 1 70 20 0
Chiselmout  NOTE: POF  Site Name Basin Subbasin  Surface Area Average Dept Maximum Dept Water Temper	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) oth (m) rature (C)	EK LLAMETTE RIVER EK 11290 0.8 1.5 8	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	4/13/2007 537950 4847919 ation 1  70 20 0 0
Chiselmout NOTE: POR Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Temper Percent Silt / 0	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) oth (m) rature (C) Organics	EK LLAMETTE RIVER EK 11290 0.8 1.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total	4/13/2007 537950 4847919 ation <sup>1</sup> 70 20 0 0 90
Chiselmout NOTE: POR Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Tempel Percent Silt / ( Native Fish S	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE  (m2) th (m) oth (m) rature (C) Organics Species Collected:	EK LLAMETTE RIVER EK 11290 0.8 1.5 8	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/13/2007 537950 4847919 ation 1  70 20 0 0 90 es Collected:
Chiselmout NOTE: POR Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Temper Percent Silt / 0 Native Fish S Oregon Chi	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE  (m2) th (m) oth (m) rature (C) Organics Species Collected:	EK LLAMETTE RIVER EK 11290 0.8 1.5 8 95	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	4/13/2007 537950 4847919 ation 1  70 20 0 0 90 es Collected:
Chiselmout NOTE: POI Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Tempel Percent Silt / 0 Native Fish S Oregon Chic	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE  (m2) (h (m) oth (m) orature (C) Organics Species Collected: ub	EK LLAMETTE RIVER EK 11290 0.8 1.5 8 95	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Species Western Mosquitofis Bullheads	4/13/2007 537950 4847919 ation 1  70 20 0 0 90 es Collected:
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Tempel Percent Silt / 0 Native Fish S Oregon Chi Cottids Speckled D	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) oth (m) orature (C) Organics Species Collected: ub	EK LLAMETTE RIVER EK 11290 0.8 1.5 8 95	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	4/13/2007 537950 4847919 ation 1  70 20 0 0 90 es Collected:
Chiselmout NOTE: POI Site Name Basin Subbasin Surface Area Average Dept Maximum Dep Water Tempel Percent Silt / 0 Native Fish S Oregon Chi Cottids Speckled D Redside Sh	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) oth (m) rature (C) Organics Species Collected: ub	EK LLAMETTE RIVER EK 11290 0.8 1.5 8 95 262 29 87 697	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	4/13/2007 537950 4847919 ation 1  70 20 0 0 90 es Collected:
Chiselmout NOTE: POI 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	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) oth (m) rature (C) Organics Species Collected: ub	EK LLAMETTE RIVER EK 11290 0.8 1.5 8 95 262 29 87 697 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	4/13/2007 537950 4847919 ation 1  70 20 0 0 90 es Collected:
Chiselmout NOTE: POF Site Name Basin Subbasin Surface Area Average Dept Maximum Dept Water Temper Percent Silt / 0 Native Fish S Oregon Chr Cottids Speckled D Redside Sh Northern P Largescale	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE (m2) th (m) oth (m) rature (C) Organics Species Collected: ub Dace hiners Dikeminnows Suckers	EK LLAMETTE RIVER EK 11290 0.8 1.5 8 95 262 29 87 697	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	4/13/2007 537950 4847919 ation 1  70 20 0 0 90 es Collected:
Chiselmout NOTE: POI 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	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE  (m2) th (m) oth (m) rature (C) Organics Species Collected: ub Dace niners Pikeminnows Suckers rs	EK LLAMETTE RIVER EK 11290 0.8 1.5 8 95 262 29 87 697 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	4/13/2007 537950 4847919 ation 1  70 20 0 0 90 es Collected:
Chiselmout NOTE: POI 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	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE (m2) (h (m) oth (m) orature (C) Organics Species Collected: ub Pace niners Pikeminnows Suckers rs	EK LLAMETTE RIVER EK 11290 0.8 1.5 8 95 262 29 87 697 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	4/13/2007 537950 4847919 ation 1  70 20 0 0 90 es Collected:
Chiselmout NOTE: POI 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	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE (m2) (h (m) oth (m) orature (C) Organics Species Collected: ub Pace niners Pikeminnows Suckers rs	EK LLAMETTE RIVER EK 11290 0.8 1.5 8 95 262 29 87 697 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	4/13/2007 537950 4847919 ation 1  70 20 0 0 90 es Collected:
Chiselmout NOTE: POI 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	BUCKHEAD CREE MIDDLE FORK WI BUCKHEAD CREE (m2) (h (m) oth (m) orature (C) Organics Species Collected: ub Pace niners Pikeminnows Suckers rs	EK LLAMETTE RIVER EK 11290 0.8 1.5 8 95 262 29 87 697 1 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	4/13/2007 537950 4847919 ation 1  70 20 0 0 90 es Collected:

Site Name Basin	MIDDLE FORK WI		Map Code Sampling Date	<b>BCK14H</b> 4/5/2007	
Subbasin	BUCKHEAD CREE	K	Location: Zone 10T	536825	4848623
Surface Are	a (m2)	540	Types of aquatic veget	ation <sup>1</sup>	
Average De	pth (m)	0.8	Submergent		35
Maximum D	epth (m)	2	Emergent		20
Water Temp	,	10.5	Floating		5
			Algae		
Percent Silt	/ Organics	100	Total		60
Native Fish	Species Collected:		Non-native Fish Specie	es Collected	:
Oregon C	hub	632	Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled	Dace	49	Common Carp		
Redside S	Shiners	127	Bluegills		
Northern	Pikeminnows		Largemouth Bass		
Largescal	le Suckers	5	Pumpkinseeds		
Sand Roll	lers		Crappies		
Threespin	ne Sticklebacks		Smallmouth Bass		
Salmonid	S <sup>2</sup>		Banded Killifish		
Lamprey					
	a.				
Site Name	OPULATION ESTIMA	TE- POND MADE 10-98  AD ENHANCEMENT PD	Other:  Map Code	BCK15H	
NOTE: PO	OPULATION ESTIMA	AD ENHANCEMENT PD LLAMETTE RIVER		BCK15H 4/5/2007 537105	4848567
NOTE: PO Site Name Basin Subbasin	MIDDLE BUCKHE MIDDLE FORK WII BUCKHEAD CREE	AD ENHANCEMENT PD LLAMETTE RIVER	Map Code Sampling Date	4/5/2007 537105	4848567
NOTE: PO Site Name Basin Subbasin Surface Area	MIDDLE BUCKHE MIDDLE FORK WII BUCKHEAD CREE	AD ENHANCEMENT PD LLAMETTE RIVER EK 650	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	4/5/2007 537105	
NOTE: PO Site Name Basin Subbasin Surface Area	MIDDLE BUCKHE. MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m)	AD ENHANCEMENT PD LLAMETTE RIVER  650  1.3	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	4/5/2007 537105	4848567 40 35
NOTE: PO Site Name Basin Subbasin Surface Area Average De Maximum D	MIDDLE BUCKHE MIDDLE FORK WII BUCKHEAD CREE a (m2) pth (m) epth (m)	AD ENHANCEMENT PD LLAMETTE RIVER 650 1.3 1.8	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	4/5/2007 537105	40
NOTE: PO Site Name Basin Subbasin Surface Area	MIDDLE BUCKHE MIDDLE FORK WII BUCKHEAD CREE a (m2) pth (m) epth (m)	AD ENHANCEMENT PD LLAMETTE RIVER  650  1.3	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	4/5/2007 537105	40 35
NOTE: PO Site Name Basin Subbasin Surface Are: Average De Maximum D	MIDDLE BUCKHE. MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m) epth (m) perature (C)	AD ENHANCEMENT PD LLAMETTE RIVER 650 1.3 1.8	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	4/5/2007 537105	40 35
NOTE: PO Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	MIDDLE BUCKHE. MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m) epth (m) perature (C)	AD ENHANCEMENT PD LLAMETTE RIVER :K  650 1.3 1.8 10.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae	4/5/2007 537105 ation <sup>1</sup>	40 35 5
NOTE: PO Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	MIDDLE BUCKHE. MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m) epth (m) erature (C) / Organics  Species Collected:	AD ENHANCEMENT PD LLAMETTE RIVER :K  650 1.3 1.8 10.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae  Total	4/5/2007 537105 ation <sup>1</sup>	40 35 5
NOTE: PO Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish	MIDDLE BUCKHE. MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m) epth (m) erature (C) / Organics  Species Collected:	AD ENHANCEMENT PD LLAMETTE RIVER 650 1.3 1.8 10.5 90	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/5/2007 537105 ation <sup>1</sup>	40 35 5
NOTE: PO Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C	MIDDLE BUCKHE MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	650 1.3 1.8 10.5 90	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	4/5/2007 537105 ation <sup>1</sup>	40 35 5
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids	MIDDLE BUCKHE. MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: Chub  Dace	AD ENHANCEMENT PD LLAMETTE RIVER 650 1.3 1.8 10.5 90 307 1	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	4/5/2007 537105 ation <sup>1</sup>	40 35 5
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	MIDDLE BUCKHE. MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: Chub  Dace	AD ENHANCEMENT PD LLAMETTE RIVER 650 1.3 1.8 10.5 90 307 1 24	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	4/5/2007 537105 ation <sup>1</sup>	40 35 5
Site Name Basin Subbasin Surface Are: Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	MIDDLE BUCKHE. MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners	AD ENHANCEMENT PD LLAMETTE RIVER 650 1.3 1.8 10.5 90 307 1 24	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	4/5/2007 537105 ation <sup>1</sup>	40 35 5
Site Name Basin Subbasin Surface Are: Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	MIDDLE BUCKHE. MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m) perature (C) / Organics Species Collected: Chub  Dace Shiners Pikeminnows le Suckers	AD ENHANCEMENT PD LLAMETTE RIVER 650 1.3 1.8 10.5 90 307 1 24	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	4/5/2007 537105 ation <sup>1</sup>	40 35 5
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	MIDDLE BUCKHE. MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m) epth (m) erature (C) / Organics  Species Collected: Chub  Dace Shiners Pikeminnows le Suckers lers	AD ENHANCEMENT PD LLAMETTE RIVER 650 1.3 1.8 10.5 90 307 1 24	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	4/5/2007 537105 ation <sup>1</sup>	40 35 5
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 Threespir	MIDDLE BUCKHE MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: Chub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	AD ENHANCEMENT PD LLAMETTE RIVER 650 1.3 1.8 10.5 90 307 1 24	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	4/5/2007 537105 ation <sup>1</sup>	40 35 5
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 Threespir Salmonids	MIDDLE BUCKHE MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: Chub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	AD ENHANCEMENT PD LLAMETTE RIVER 650 1.3 1.8 10.5 90 307 1 24	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	4/5/2007 537105 ation <sup>1</sup>	40 35 5
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 Threespir	MIDDLE BUCKHE. MIDDLE FORK WII BUCKHEAD CREE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks s²	AD ENHANCEMENT PD LLAMETTE RIVER 650 1.3 1.8 10.5 90 307 1 24	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	4/5/2007 537105 ation <sup>1</sup>	40 35 5

Site Name Basin		AD CREEK BACKWATER ILLAMETTE RIVER	Map Code Sampling Date	<b>BCK7L</b> 4/5/2007	
Subbasin	BUCKHEAD CREI	EK	Location: Zone 10T	538218	4846739
Surface Area	a (m2)	5953	Types of aquatic veget	ation <sup>1</sup>	
Average Dep	oth (m)	1.2	Submergent		25
Maximum De	epth (m)	2	Emergent		25
Water Tempo		9	Floating		20
Percent Silt /		-	Algae		
Percent Silt /	Organics	100	Total		70
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Cl	hub	825	Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled		210	Common Carp		
Redside S		2402	Bluegills		
	Pikeminnows		Largemouth Bass		
Largescal			Pumpkinseeds		
Sand Rolle			Crappies		
	e Sticklebacks		Smallmouth Bass		
Salmonids	S <sup>2</sup>		Banded Killifish		
Lamprey					
Chiselmou	uth		Other:		
			•		
	UPPER BUCKHE	ATE  AD ENHANCEMENT PND	Map Code	BCK16H	
Site Name Basin	UPPER BUCKHE	AD ENHANCEMENT PND ILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	<b>BCK16H</b> 4/5/2007 537144	4848481
Site Name Basin Subbasin	UPPER BUCKHE. MIDDLE FORK W BUCKHEAD CREI	AD ENHANCEMENT PND ILLAMETTE RIVER	Sampling Date	4/5/2007 537144	4848481
Site Name Basin Subbasin Surface Area	UPPER BUCKHE, MIDDLE FORK W BUCKHEAD CREE	<b>AD ENHANCEMENT PND</b> ILLAMETTE RIVER EK	Sampling Date Location: Zone 10T	4/5/2007 537144	4848481
Site Name Basin Subbasin Surface Area Average Dep	UPPER BUCKHE. MIDDLE FORK W BUCKHEAD CREI  a (m2) oth (m)	AD ENHANCEMENT PND ILLAMETTE RIVER EK 300	Sampling Date Location: Zone 10T  Types of aquatic veget	4/5/2007 537144	
Site Name Basin Subbasin Surface Area Average Dep Maximum De	UPPER BUCKHE, MIDDLE FORK W BUCKHEAD CREE  a (m2) oth (m) epth (m)	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	4/5/2007 537144	40
Site Name Basin Subbasin Surface Area Average Dep Maximum De	UPPER BUCKHE. MIDDLE FORK W BUCKHEAD CREI  a (m2) oth (m) epth (m) erature (C)	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2 10.5	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent	4/5/2007 537144	40
Site Name Basin Subbasin Surface Area Average Dep Maximum De	UPPER BUCKHE. MIDDLE FORK W BUCKHEAD CREI  a (m2) oth (m) epth (m) erature (C)	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	4/5/2007 537144	40
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo	UPPER BUCKHE. MIDDLE FORK W BUCKHEAD CREI  a (m2) oth (m) epth (m) erature (C)	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2 10.5 95	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	4/5/2007 537144 ation <sup>1</sup>	40 35 75
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo	UPPER BUCKHE, MIDDLE FORK W BUCKHEAD CREI  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2 10.5 95	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae  Total	4/5/2007 537144 ation <sup>1</sup>	40 35 75
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish	UPPER BUCKHE, MIDDLE FORK W BUCKHEAD CREI  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2 10.5 95	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/5/2007 537144 ation <sup>1</sup>	40 35 75
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl	UPPER BUCKHE, MIDDLE FORK W BUCKHEAD CREI  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2 10.5 95	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	4/5/2007 537144 ation <sup>1</sup>	40 35 75
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids	UPPER BUCKHE, MIDDLE FORK W BUCKHEAD CREI  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2 10.5 95	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	4/5/2007 537144 ation <sup>1</sup>	40 35 75
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S	UPPER BUCKHE, MIDDLE FORK W BUCKHEAD CREI  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2 10.5 95	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	4/5/2007 537144 ation <sup>1</sup>	40 35 75
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S	UPPER BUCKHE, MIDDLE FORK W BUCKHEAD CREI  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2 10.5 95	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	4/5/2007 537144 ation <sup>1</sup>	40 35 75
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempor Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern	UPPER BUCKHE, MIDDLE FORK W BUCKHEAD CREI  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2 10.5 95	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	4/5/2007 537144 ation <sup>1</sup>	40 35 75
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	UPPER BUCKHE, MIDDLE FORK W BUCKHEAD CREI  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2 10.5 95	Sampling Date 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	4/5/2007 537144 ation <sup>1</sup>	40 35 75
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	UPPER BUCKHE, MIDDLE FORK W BUCKHEAD CREI  a (m2) bth (m) epth (m) erature (C) Corganics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2 10.5 95	Sampling Date 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	4/5/2007 537144 ation <sup>1</sup>	40 35 75
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	UPPER BUCKHE, MIDDLE FORK W BUCKHEAD CREI  a (m2) bth (m) epth (m) erature (C) Corganics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2 10.5 95	Sampling Date 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	4/5/2007 537144 ation <sup>1</sup>	40 35 75
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	UPPER BUCKHE, MIDDLE FORK W BUCKHEAD CREI  a (m2) bth (m) epth (m) erature (C) Corganics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks s 2	AD ENHANCEMENT PND ILLAMETTE RIVER EK  300 0.8 2.2 10.5 95	Sampling Date 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	4/5/2007 537144 ation <sup>1</sup>	40 35 75

Site Name Basin Subbasin	MIDDLE FORK WILL DEXTER RESERV	LLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	PIT10* 9/7/2007 517270 4861753	
Surface Area		300	Types of aquatic veget		
	,				
Average Dep	, ,	0.5	Submergent	30 35	
Maximum De	epth (m)	1	Emergent Floating	35	
Water Temp	erature (C)	18	Algae	35	
Percent Silt /	Organics	90	Total	100	
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Cl	hub	1132	Western Mosquitofis	sh	
Cottids		8	Bullheads		
Speckled	Dace		Common Carp		
Redside S		3	Bluegills		
	Pikeminnows		Largemouth Bass		
Largescal			Pumpkinseeds		
Sand Roll			Crappies		
	e Sticklebacks		Smallmouth Bass		
Salmonide			Banded Killifish		
Lamprey					
Chiselmou	uth				
			Other:		
NOTE: PO	OPULATION ESTIMA	TE			
Site Name Basin	DEXTER EAST AL	.COVE LLAMETTE RIVER	Map Code Sampling Date	<b>DEX1K*</b> 9/10/2007	
Site Name	DEXTER EAST AL	.COVE LLAMETTE RIVER	Sampling Date Location: Zone 10T	9/10/2007 517410 4861755	
Site Name Basin Subbasin	DEXTER EAST AL MIDDLE FORK WI DEXTER RESERV	.COVE LLAMETTE RIVER	Sampling Date	9/10/2007 517410 4861755	
Site Name Basin Subbasin Surface Area	DEXTER EAST AL MIDDLE FORK WII DEXTER RESERV a (m2)	.COVE LLAMETTE RIVER OIR	Sampling Date Location: Zone 10T	9/10/2007 517410 4861755	
Site Name Basin Subbasin Surface Area Average Dep	DEXTER EAST AL MIDDLE FORK WI DEXTER RESERV  a (m2) oth (m)	.COVE LLAMETTE RIVER OIR 81	Sampling Date Location: Zone 10T  Types of aquatic veget	9/10/2007 517410 4861755 ation <sup>1</sup>	
Site Name Basin Subbasin Surface Area Average Dep Maximum De	DEXTER EAST AL MIDDLE FORK WI DEXTER RESERV  a (m2) oth (m) epth (m)	COVE LLAMETTE RIVER OIR  81  0.3  0.6	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	9/10/2007 517410 4861755 ation <sup>1</sup>	
Site Name Basin Subbasin Surface Area Average Dep Maximum De	DEXTER EAST AL MIDDLE FORK WI DEXTER RESERV  a (m2) oth (m) epth (m) erature (C)	.COVE LLAMETTE RIVER OIR  81  0.3  0.6  17.5	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent	9/10/2007 517410 4861755 ation <sup>1</sup> 25 0	
Site Name Basin Subbasin Surface Area Average Dep Maximum De	DEXTER EAST AL MIDDLE FORK WI DEXTER RESERV  a (m2) oth (m) epth (m) erature (C)	COVE LLAMETTE RIVER OIR  81  0.3  0.6	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	9/10/2007 517410 4861755 ation <sup>1</sup> 25 0 0	
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish	DEXTER EAST AL MIDDLE FORK WI DEXTER RESERV  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected:	.COVE LLAMETTE RIVER OIR  81  0.3  0.6  17.5	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	9/10/2007 517410 4861755 ation 1  25 0 0 0 25 es Collected:	
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Ci	DEXTER EAST AL MIDDLE FORK WI DEXTER RESERV  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected:	.COVE LLAMETTE RIVER OIR  81  0.3  0.6  17.5	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	9/10/2007 517410 4861755 ation 1  25 0 0 0 25 es Collected:	
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids	DEXTER EAST AL MIDDLE FORK WILL DEXTER RESERV  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	.COVE LLAMETTE RIVER OIR  81  0.3  0.6  17.5	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	9/10/2007 517410 4861755 ation 1  25 0 0 0 25 es Collected:	
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Cl Cottids Speckled	DEXTER EAST AL MIDDLE FORK WIL DEXTER RESERV  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	.COVE LLAMETTE RIVER OIR  81  0.3  0.6  17.5	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/10/2007 517410 4861755 ation 1  25 0 0 0 25 es Collected:	
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S	DEXTER EAST AL MIDDLE FORK WIL DEXTER RESERV  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners	.COVE LLAMETTE RIVER OIR  81  0.3  0.6  17.5	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/10/2007 517410 4861755 ation 1  25 0 0 0 25 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 EAST AL MIDDLE FORK WI DEXTER RESERV  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows	.COVE LLAMETTE RIVER OIR  81  0.3  0.6  17.5	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/10/2007 517410 4861755 ation 1  25 0 0 0 25 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 Largescale	DEXTER EAST AL MIDDLE FORK WI DEXTER RESERV  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers	.COVE LLAMETTE RIVER OIR  81  0.3  0.6  17.5	Sampling Date 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	9/10/2007 517410 4861755 ation 1  25 0 0 0 25 es Collected:	
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 Roll	DEXTER EAST AL MIDDLE FORK WILL DEXTER RESERV  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers	.COVE LLAMETTE RIVER OIR  81  0.3  0.6  17.5	Sampling Date 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	9/10/2007 517410 4861755 ation 1  25 0 0 0 25 es Collected:	
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	DEXTER EAST AL MIDDLE FORK WILL DEXTER RESERV  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	.COVE LLAMETTE RIVER OIR  81  0.3  0.6  17.5	Sampling Date 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	9/10/2007 517410 4861755 ation 1  25 0 0 0 25 es Collected:	
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 Roll	DEXTER EAST AL MIDDLE FORK WILL DEXTER RESERV  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	.COVE LLAMETTE RIVER OIR  81  0.3  0.6  17.5	Sampling Date 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	9/10/2007 517410 4861755 ation 1  25 0 0 0 25 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 Largescale Sand Rolle Threespin Salmonids Lamprey	DEXTER EAST AL MIDDLE FORK WIL DEXTER RESERV  a (m2) oth (m) epth (m) erature (C) Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks s 2	.COVE LLAMETTE RIVER OIR  81  0.3  0.6  17.5	Sampling Date 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	9/10/2007 517410 4861755 ation 1  25 0 0 0 25 es Collected:	
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	DEXTER EAST AL MIDDLE FORK WIL DEXTER RESERV  a (m2) oth (m) epth (m) erature (C) Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks s 2	.COVE LLAMETTE RIVER OIR  81  0.3  0.6  17.5	Sampling Date 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	9/10/2007 517410 4861755 ation 1  25 0 0 0 25 es Collected:	

Basin MIDDLE FOR Subbasin DEXTER RE	ALCOVE RK WILLAMETTE RIVER SERVOIR	Map Code Sampling Date Location: Zone 10T	<b>DEX3M*</b> 9/12/2007 515504 4862061
		Types of aquatic veget	
Surface Area (m2)	1650		
Average Depth (m)	0.7	Submergent	70
Maximum Depth (m)	1	Emergent	7
Water Temperature (C)	22.5	Floating	
Percent Silt / Organics	100	Algae <i>Total</i>	87
Native Fish Species Colle	cted:	Non-native Fish Specie	es Collected:
Oregon Chub	4024	Western Mosquitofis	sh
Cottids	3	Bullheads	
Speckled Dace	1	Common Carp	
Redside Shiners	7	Bluegills	1
Northern Pikeminnows	1	Largemouth Bass	
Largescale Suckers		Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Sticklebacks		Smallmouth Bass	
Salmonids <sup>2</sup>		Banded Killifish	
Lamprey		Danada Kililian	
Chiselmouth			
		Other:	
Site Name ELIJAH BRIS	STOW BERRY SLOUGH	Map Code	EB1-11N
Site Name ELIJAH BRIS Basin MIDDLE FOR	STOW BERRY SLOUGH RK WILLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	<b>EB1-11N</b> 4/24/2007 513244 4865199
Site Name ELIJAH BRIS Basin MIDDLE FOR Subbasin ELIJAH BRIS	STOW BERRY SLOUGH RK WILLAMETTE RIVER STOW	Sampling Date Location: Zone 10T	4/24/2007 513244 4865199
Site Name ELIJAH BRIS Basin MIDDLE FOR Subbasin ELIJAH BRIS Surface Area (m2)	STOW BERRY SLOUGH RK WILLAMETTE RIVER STOW	Sampling Date Location: Zone 10T  Types of aquatic veget	4/24/2007 513244 4865199 ation <sup>1</sup>
Site Name ELIJAH BRIS Basin MIDDLE FOF Subbasin ELIJAH BRIS Surface Area (m2) Average Depth (m)	STOW BERRY SLOUGH RK WILLAMETTE RIVER STOW  10301 1.2	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	4/24/2007 513244 4865199 ation <sup>1</sup>
Site Name ELIJAH BRIS Basin MIDDLE FOR Subbasin ELIJAH BRIS Surface Area (m2)	STOW BERRY SLOUGH RK WILLAMETTE RIVER STOW	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	4/24/2007 513244 4865199 ation <sup>1</sup>
Site Name ELIJAH BRIS Basin MIDDLE FOF Subbasin ELIJAH BRIS Surface Area (m2) Average Depth (m)	STOW BERRY SLOUGH RK WILLAMETTE RIVER STOW  10301 1.2	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating	4/24/2007 513244 4865199 ation <sup>1</sup>
Site Name ELIJAH BRIS Basin MIDDLE FOF Subbasin ELIJAH BRIS  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)	STOW BERRY SLOUGH RK WILLAMETTE RIVER STOW 10301 1.2 2.5	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	4/24/2007 513244 4865199 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics	STOW BERRY SLOUGH RK WILLAMETTE RIVER STOW  10301 1.2 2.5 11 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	4/24/2007 513244 4865199 ation <sup>1</sup> 10 90
Site Name ELIJAH BRIS Basin MIDDLE FOF Subbasin ELIJAH BRIS  Surface Area (m2) Average Depth (m) Maximum Depth (m)	STOW BERRY SLOUGH RK WILLAMETTE RIVER STOW  10301 1.2 2.5 11 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae  Total	4/24/2007 513244 4865199 ation 1  10 90  100 es Collected:
Site Name ELIJAH BRIS Basin MIDDLE FOF Subbasin ELIJAH BRIS  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics  Native Fish Species Collect	STOW BERRY SLOUGH RK WILLAMETTE RIVER STOW  10301 1.2 2.5 11 100 cted:	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/24/2007 513244 4865199 ation 1  10 90  100 es Collected:
Site Name ELIJAH BRIS Basin MIDDLE FOR Subbasin ELIJAH BRIS  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics  Native Fish Species College Oregon Chub	STOW BERRY SLOUGH RK WILLAMETTE RIVER STOW  10301 1.2 2.5 11 100  cted: 6582	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	4/24/2007 513244 4865199 ation 1  10 90  100 es Collected:
Site Name ELIJAH BRIS Basin MIDDLE FOF Subbasin ELIJAH BRIS  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics  Native Fish Species College Oregon Chub Cottids	10301 1.2 2.5 11 100 cted:	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	4/24/2007 513244 4865199 ation 1  10 90  100 es Collected:
Site Name Basin Basin MIDDLE FOF Subbasin ELIJAH BRIS Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Collect Oregon Chub Cottids Speckled Dace	10301 1.2 2.5 11 100 cted: 6582 1 659	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	4/24/2007 513244 4865199 ation 1  10 90  100 es Collected:
Site Name ELIJAH BRIS Basin MIDDLE FOR Subbasin ELIJAH BRIS  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	10301 1.2 2.5 11 100 cted: 6582 1 659	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	4/24/2007 513244 4865199 ation 1  10 90  100 es Collected:
Site Name BLIJAH BRIS Basin MIDDLE FOR Subbasin ELIJAH BRIS  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)  Percent Silt / Organics  Native Fish Species Colled  Oregon Chub  Cottids  Speckled Dace  Redside Shiners  Northern Pikeminnows  Largescale Suckers	10301 1.2 2.5 11 100 cted: 6582 1 659	Sampling Date 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	4/24/2007 513244 4865199 ation 1  10 90  100 es Collected:
Site Name Basin MIDDLE FOF Subbasin ELIJAH BRIS  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	10301 1.2 2.5 11 100 cted: 6582 1 659 1375	Sampling Date 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	4/24/2007 513244 4865199 ation 1  10 90  100 es Collected:
Site Name Basin MIDDLE FOF Subbasin ELIJAH BRIS  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	10301 1.2 2.5 11 100 cted: 6582 1 659 1375	Sampling Date 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	4/24/2007 513244 4865199 ation 1  10 90  100 es Collected:
Site Name BLIJAH BRIS Basin MIDDLE FOR Subbasin ELIJAH BRIS  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 Salmonids <sup>2</sup> CT	10301 1.2 2.5 11 100 cted: 6582 1 659 1375	Sampling Date 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	4/24/2007 513244 4865199 ation 1  10 90  100 es Collected:
Site Name BLIJAH BRIS Basin MIDDLE FOR Subbasin ELIJAH BRIS  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 Salmonids <sup>2</sup> CT Lamprey	10301 1.2 2.5 11 100 cted: 6582 1 659 1375	Sampling Date 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	4/24/2007 513244 4865199 ation 1  10 90  100 es Collected:
Site Name BLIJAH BRIS Basin MIDDLE FOR Subbasin ELIJAH BRIS  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 Salmonids <sup>2</sup> CT	10301 1.2 2.5 11 100 cted: 6582 1 659 1375	Sampling Date 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	4/24/2007 513244 4865199 ation 1  10 90  100 es Collected:

Basin		' <b>ISLAND POND</b> LLAMETTE RIVER	Map Code Sampling Date	<b>MF8G,120</b> 9/26/2007	,
Subbasin	ELIJAH BRISTOW		Location: Zone 10T	514043	4864334
Surface Area	a (m2)	10490	Types of aquatic vegeta	ation <sup>1</sup>	
Average Dep		1.2	Submergent		85
-			Emergent		7
Maximum De	epth (m)	2	Floating		0
Water Temp	erature (C)	15	Algae		0
Percent Silt /	Organics	96	Total		92
Native Fish	Species Collected:		Non-native Fish Specie	s Collected:	
Oregon C	hub	1619	Western Mosquitofis	h	20
Cottids		1051	Bullheads		
Speckled	Dace	4521	Common Carp		
Redside S	Shiners	2	Bluegills		
Northern	Pikeminnows	2	Largemouth Bass		
Largescal	e Suckers	6	Pumpkinseeds		
Sand Roll			Crappies		
Threespin	e Sticklebacks		Smallmouth Bass		
Salmonide	3 <sup>2</sup>		Banded Killifish		
Lamprey					
Chiselmou	uth		Other		
Chiselmou	DPULATION ESTIMA	NORTH SLOUGH	Other:  Map Code Sampling Date	<b>EBN1I</b> 4/16/2007	
Chiselmou	DPULATION ESTIMA	NORTH SLOUGH LLAMETTE RIVER		<b>EBN1I</b> 4/16/2007 514931	4864608
Chiselmou NOTE: PO Site Name Basin Subbasin	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW	NORTH SLOUGH LLAMETTE RIVER	Map Code Sampling Date	4/16/2007 514931	4864608
Chiselmou	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW	NORTH SLOUGH LLAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	4/16/2007 514931	4864608
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area Average Dep	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW  a (m2) oth (m)	V NORTH SLOUGH LLAMETTE RIVER 5800 0.8	Map Code Sampling Date Location: Zone 10T Types of aquatic vegeta	4/16/2007 514931	
Chiselmou NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW  a (m2) oth (m) epth (m)	V NORTH SLOUGH LLAMETTE RIVER  5800 0.8 2	Map Code Sampling Date Location: Zone 10T  Types of aquatic vegeta Submergent	4/16/2007 514931	40
Chiselmou  NOTE: PC  Site Name Basin Subbasin  Surface Area Average Dep Maximum De Water Tempo	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW  a (m2) oth (m) epth (m) erature (C)	5800 0.8 2	Map Code Sampling Date Location: Zone 10T  Types of aquatic vegeta Submergent Emergent	4/16/2007 514931	40 10
Chiselmou  NOTE: PC  Site Name Basin Subbasin  Surface Area Average Dep Maximum De Water Tempo	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW  a (m2) oth (m) epth (m) erature (C)	V NORTH SLOUGH LLAMETTE RIVER  5800 0.8 2	Map Code Sampling Date Location: Zone 10T  Types of aquatic vegeta Submergent Emergent Floating	4/16/2007 514931	40 10 50
Chiselmou NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW  a (m2) oth (m) epth (m) erature (C)	5800 0.8 2	Map Code Sampling Date Location: Zone 10T  Types of aquatic vegeta Submergent Emergent Floating Algae	4/16/2007 514931 ation <sup>1</sup>	40 10 50 0
Chiselmou NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected:	5800 0.8 2	Map Code Sampling Date Location: Zone 10T  Types of aquatic vegeta Submergent Emergent Floating Algae Total	4/16/2007 514931 ation <sup>1</sup>	40 10 50 0
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt / Native Fish	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected:	5800 0.8 2 10 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic vegeta Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/16/2007 514931 ation <sup>1</sup>	40 10 50 0
Chiselmoto NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Cl	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	5800 0.8 2 10 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic vegeta Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	4/16/2007 514931 ation <sup>1</sup>	40 10 50 0
Chiselmoto NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	5800 0.8 2 10 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic vegeta Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	4/16/2007 514931 ation <sup>1</sup>	40 10 50 0
Chiselmout NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	5800 0.8 2 10 100 348 11 43	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	4/16/2007 514931 ation <sup>1</sup>	40 10 50 0 100
Chiselmoto NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows	5800 0.8 2 10 100 348 11 43 3	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	4/16/2007 514931 ation <sup>1</sup>	40 10 50 0 100
Chiselmoto NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW  a (m2) bth (m) epth (m) erature (C) Corganics Species Collected: hub  Dace Chiners Pikeminnows e Suckers	5800 0.8 2 10 100 348 11 43 3	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	4/16/2007 514931 ation <sup>1</sup>	40 10 50 0 100
Chiselmon NOTE: PC 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 Roll	ELIJAH BRISTOW MIDDLE FORK WI ELIJAH BRISTOW  a (m2) bth (m) epth (m) erature (C) Corganics Species Collected: hub  Dace Chiners Pikeminnows e Suckers	5800 0.8 2 10 100 348 11 43 3	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	4/16/2007 514931 ation <sup>1</sup>	40 10 50 0 100
Chiselmon NOTE: PC 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	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 e Sticklebacks	5800 0.8 2 10 100 348 11 43 3	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	4/16/2007 514931 ation <sup>1</sup>	40 10 50 0 100
Chiselmoto NOTE: PC 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	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 e Sticklebacks	5800 0.8 2 10 100 348 11 43 3	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	4/16/2007 514931 ation <sup>1</sup>	40 10 50 0 100

Basin	MIDDLE FORK WI	L <b>LWAY PONDS</b> LLAMETTE RIVER	Map Code Sampling Date	FCSP1-2N* 9/7/2007
Subbasin	FALL CREEK		Location: Zone 10T	519285 486532
Surface Area	a (m2)	2929	Types of aquatic veget	ation <sup>1</sup>
Average Dep		1.1	Submergent	70
-			Emergent	14
Maximum De	epth (m)	1.8	Floating	0
Water Temp	erature (C)	23.5	Algae	0
Percent Silt /	Organics	100	Total	89
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:
Oregon Cl	hub	2742	Western Mosquitofis	h
Cottids			Bullheads	
Speckled	Dace	1378	Common Carp	
Redside S	Shiners		Bluegills	
Northern	Pikeminnows		Largemouth Bass	
Largescal			Pumpkinseeds	
Sand Roll			Crappies	
	e Sticklebacks		Smallmouth Bass	
Salmonide			Banded Killifish	
Lamprey	,		Daridod Killinon	
Chiselmou	ıth			
Offisciffic	att 1		Other:	
Site Name	EAST FERRIN PO		Map Code	FP3Q*
Site Name Basin		ND	Map Code Sampling Date Location: Zone 10T	<b>FP3Q*</b> 9/11/2007 539093 484350
Site Name Basin Subbasin	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK	ND	Sampling Date	9/11/2007 539093 484350
Site Name Basin Subbasin Surface Area	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK	<b>ND</b> LLAMETTE RIVER	Sampling Date Location: Zone 10T  Types of aquatic veget	9/11/2007 539093 484350
Site Name Basin Subbasin Surface Area	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m)	ND LLAMETTE RIVER 6000 0.5	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	9/11/2007 539093 484350 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area Average Dep Maximum De	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m)	ND LLAMETTE RIVER  6000 0.5 1	Sampling Date Location: Zone 10T  Types of aquatic veget	9/11/2007 539093 484350 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area Average Dep Maximum De	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m)	ND LLAMETTE RIVER 6000 0.5	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	9/11/2007 539093 484350 ation <sup>1</sup> 25 70
Site Name Basin Subbasin Surface Area Average Dep Maximum De	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m) erature (C)	ND LLAMETTE RIVER  6000 0.5 1	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent	9/11/2007 539093 484350 ation <sup>1</sup> 25 70 5
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m) erature (C)	ND LLAMETTE RIVER 6000 0.5 1 16	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	9/11/2007 539093 484350 ation <sup>1</sup> 25 70 5 0 100
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected:	ND LLAMETTE RIVER 6000 0.5 1 16	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae  Total	9/11/2007 539093 484350 ation 1 25 70 5 0 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt /	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected:	ND LLAMETTE RIVER 6000 0.5 1 16	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	9/11/2007 539093 484350 ation 1 25 70 5 0 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Ci	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	ND LLAMETTE RIVER 6000 0.5 1 16	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	9/11/2007 539093 484350 ation 1 25 70 5 0 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace	ND LLAMETTE RIVER 6000 0.5 1 16	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	9/11/2007 539093 484350 ation 1 25 70 5 0 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace	ND LLAMETTE RIVER 6000 0.5 1 16	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/11/2007 539093 484350 ation 1 25 70 5 0 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows	ND LLAMETTE RIVER 6000 0.5 1 16	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/11/2007 539093 484350 ation 1 25 70 5 0 100 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	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers	ND LLAMETTE RIVER 6000 0.5 1 16	Sampling Date 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	9/11/2007 539093 484350 ation 1 25 70 5 0 100 es Collected:
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	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers	ND LLAMETTE RIVER 6000 0.5 1 16	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/11/2007 539093 484350 ation 1 25 70 5 0 100 es Collected:
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	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	ND LLAMETTE RIVER 6000 0.5 1 16	Sampling Date 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	9/11/2007 539093 484350 ation 1 25 70 5 0 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	ND LLAMETTE RIVER 6000 0.5 1 16	Sampling Date 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	9/11/2007 539093 484350 ation 1 25 70 5 0 100 es Collected:
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	EAST FERRIN PO MIDDLE FORK WI FERRIN CREEK  a (m2) oth (m) epth (m) erature (C) Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks s 2	ND LLAMETTE RIVER 6000 0.5 1 16	Sampling Date 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	9/11/2007 539093 484350 ation 1 25 70 5 0 100 es Collected:

Site Name Basin Subbasin	MIDDLE FORK WILLOOKOUT POINT	LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	<b>HA1C</b> 4/16/2007 525162 4856632
Surface Area	(m2)	2600	Types of aquatic veget	ation <sup>1</sup>
Average Dept	th (m)	0.5	Submergent	0
Maximum De		1.1	Emergent	75
			Floating	
Water Tempe		8	Algae	
Percent Silt /	Organics	95	Total	75
Native Fish S	Species Collected:		Non-native Fish Specie	es Collected:
Oregon Ch	nub		Western Mosquitofis	sh
Cottids			Bullheads	
Speckled D	Dace		Common Carp	
Redside SI	hiners		Bluegills	
	Pikeminnows		Largemouth Bass	
Largescale	Suckers		Pumpkinseeds	
Sand Rolle			Crappies	
	e Sticklebacks		Smallmouth Bass	
Salmonids		1	Banded Killifish	
Lamprey	OI		Danaca Millian	
Chiselmou	th			
Chiseimou	uı		Other:	
	EAST FORK MINING	OW CREEK BOND	Man Code	MANA/4 D*
Site Name Basin	EAST FORK MINNO MIDDLE FORK WIL MINNOW CREEK		Map Code Sampling Date Location: Zone 10T	MNW1P* 10/1/2007 521411 4859624
NOTE: Site Name Basin Subbasin Surface Area	MIDDLE FORK WIL MINNOW CREEK		Sampling Date	10/1/2007 521411 4859624
Site Name Basin Subbasin Surface Area	MIDDLE FORK WIL MINNOW CREEK (m2)	LAMETTE RIVER 1550	Sampling Date Location: Zone 10T  Types of aquatic veget	10/1/2007 521411 4859624 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area Average Dept	MIDDLE FORK WIL MINNOW CREEK (m2) th (m)	1550 0.5	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	10/1/2007 521411 4859624
Site Name Basin Subbasin Surface Area Average Depi	MIDDLE FORK WIL MINNOW CREEK (m2) th (m) pth (m)	1550 0.5 1.2	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent	10/1/2007 521411 4859624 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area Average Depi	MIDDLE FORK WIL MINNOW CREEK (m2) th (m) pth (m)	1550 0.5	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	10/1/2007 521411 4859624 ation 1 20 75
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe	MIDDLE FORK WIL MINNOW CREEK  (m2) th (m) pth (m) erature (C)	1550 0.5 1.2	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent	10/1/2007 521411 4859624 ation 1 20 75
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt /	MIDDLE FORK WIL MINNOW CREEK  (m2) th (m) pth (m) erature (C)	1550 0.5 1.2 17	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	10/1/2007 521411 4859624 ation 1  20 75 5 100
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt /	MIDDLE FORK WILL MINNOW CREEK  (m2) th (m) pth (m) erature (C) Organics Species Collected:	1550 0.5 1.2 17 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	10/1/2007 521411 4859624 ation 1  20 75 5  100  es Collected:
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt /	MIDDLE FORK WILL MINNOW CREEK  (m2) th (m) pth (m) erature (C) Organics Species Collected:	1550 0.5 1.2 17	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	10/1/2007 521411 4859624 ation 1  20 75 5  100  es Collected:
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids	MIDDLE FORK WILL MINNOW CREEK  (m2) th (m) pth (m) erature (C) Organics Species Collected:	1550 0.5 1.2 17 100	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	10/1/2007 521411 4859624 ation 1  20 75 5  100  es Collected:
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E	MIDDLE FORK WILL MINNOW CREEK  (m2) th (m) pth (m) erature (C) Organics Species Collected: hub	1550 0.5 1.2 17 100 1524 750	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	10/1/2007 521411 4859624 ation 1  20 75 5  100  es Collected:
Site Name Basin Subbasin Surface Area Average Depi Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled E Redside Sil	MIDDLE FORK WILL MINNOW CREEK  (m2) th (m) pth (m) erature (C) Organics Species Collected: hub Dace hiners	1550 0.5 1.2 17 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	10/1/2007 521411 4859624 ation 1  20 75 5  100  es Collected:
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	MIDDLE FORK WILL MINNOW CREEK  (m2) th (m) pth (m) erature (C) Organics Species Collected: bub Dace hiners Pikeminnows	1550 0.5 1.2 17 100 1524 750	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	10/1/2007 521411 4859624 ation 1  20 75 5  100  es Collected:
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	MIDDLE FORK WILL MINNOW CREEK  (m2) th (m) pth (m) erature (C) Organics Species Collected: nub Dace hinners Pikeminnows e Suckers	1550 0.5 1.2 17 100 1524 750	Sampling Date 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	10/1/2007 521411 4859624 ation 1  20 75 5  100  es Collected:
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	MIDDLE FORK WILL MINNOW CREEK  (m2) th (m) pth (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows e Suckers ers	1550 0.5 1.2 17 100 1524 750	Sampling Date 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	10/1/2007 521411 4859624 ation 1  20 75 5  100  es Collected:
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	MIDDLE FORK WILL MINNOW CREEK  (m2) th (m) pth (m) prature (C) Organics Species Collected: nub Dace hiners Pikeminnows e Suckers ers e Sticklebacks	1550 0.5 1.2 17 100 1524 750	Sampling Date 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	10/1/2007 521411 4859624 ation 1  20 75 5  100  es Collected:
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	MIDDLE FORK WILL MINNOW CREEK  (m2) th (m) pth (m) prature (C) Organics Species Collected: nub Dace hiners Pikeminnows e Suckers ers e Sticklebacks	1550 0.5 1.2 17 100 1524 750	Sampling Date 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	10/1/2007 521411 4859624 ation 1  20 75 5  100  es Collected:
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	MIDDLE FORK WILL MINNOW CREEK  (m2) th (m) pth (m) erature (C) Organics Species Collected: hub Dace hiners Pikeminnows Suckers ers Sticklebacks 2	1550 0.5 1.2 17 100 1524 750	Sampling Date 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	10/1/2007 521411 4859624 ation 1  20 75 5  100  es Collected:

Site Name Basin	MIDDLE FORK WIL	LAMETTE RIVER	Map Code Sampling Date	<b>RTC1I</b> 5/21/2007
Subbasin	RATTLESNAKE CH		Location: Zone 10T	508885 4868530
Surface Area	a (m2)	720	Types of aquatic veget	ation <sup>1</sup>
Average Dep	oth (m)	0.5	Submergent	30
Maximum De	epth (m)	0.7	Emergent	42
Water Temp	erature (C)	12.5	Floating	20
Percent Silt /		35	Algae	00
	Ŭ	33	Total	92
	Species Collected:		Non-native Fish Specie	
Oregon Cl	hub	0	Western Mosquitofis	sn
Cottids	Dana	8	Bullheads	
Speckled		1	Common Carp	
Redside S		41	Bluegills	1
	Pikeminnows		Largemouth Bass	
Largescal			Pumpkinseeds	
Sand Roll		6	Crappies Smallmouth Bass	
Salmonide	e Sticklebacks	6	Smallmouth Bass Banded Killifish	
	5-		Banded Killinsh	
Lamprey Chiselmou	ıth			
Chiseimol	aut		Other:	
NOTE:				
NOTE: Site Name Basin Subbasin	WICOPEE POND MIDDLE FORK WIL SALT CREEK	LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	<b>WCP1Q*</b> 9/13/2007 557935 4838552
Site Name Basin Subbasin	MIDDLE FORK WIL SALT CREEK		Sampling Date Location: Zone 10T	9/13/2007 557935 4838552
Site Name Basin Subbasin Surface Area	MIDDLE FORK WILL SALT CREEK	3250	Sampling Date Location: Zone 10T  Types of aquatic veget	9/13/2007 557935 4838552 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area Average Dep	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m)		Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	9/13/2007 557935 4838552 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m)	3250	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	9/13/2007 557935 4838552 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area Average Dep	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m) epth (m)	3250 1.2	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	9/13/2007 557935 4838552 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area Average Dep	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m) epth (m) erature (C)	3250 1.2 2	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	9/13/2007 557935 4838552 ation <sup>1</sup> 10 90
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m) epth (m) erature (C) / Organics	3250 1.2 2 17	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae  Total	9/13/2007 557935 4838552 ation <sup>1</sup> 10  90
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt /	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected:	3250 1.2 2 17 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	9/13/2007 557935 4838552 ation 1  10 90  100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Cl	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected:	3250 1.2 2 17	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	9/13/2007 557935 4838552 ation 1  10 90  100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempo Percent Silt / Native Fish Oregon Cl Cottids	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub	3250 1.2 2 17 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	9/13/2007 557935 4838552 ation 1  10 90  100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Cl Cottids Speckled	MIDDLE FORK WILL SALT CREEK  a (m2) both (m) epth (m) erature (C) Corganics Species Collected: hub Dace	3250 1.2 2 17 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/13/2007 557935 4838552 ation 1  10 90  100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Ci Cottids Speckled Redside S	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners	3250 1.2 2 17 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/13/2007 557935 4838552 ation 1  10 90  100 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	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows	3250 1.2 2 17 100	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	9/13/2007 557935 4838552 ation 1  10 90  100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers	3250 1.2 2 17 100	Sampling Date 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	9/13/2007 557935 4838552 ation 1  10 90  100 es Collected:
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 Roll	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Chiners Pikeminnows e Suckers ers	3250 1.2 2 17 100	Sampling Date 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	9/13/2007 557935 4838552 ation 1  10 90  100 es Collected:
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	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	3250 1.2 2 17 100	Sampling Date 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	9/13/2007 557935 4838552 ation 1  10 90  100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon Cl Cottids Speckled Redside S Northern Largescale Sand Rolle Threespin	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	3250 1.2 2 17 100	Sampling Date 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	9/13/2007 557935 4838552 ation 1  10 90  100 es Collected:
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	MIDDLE FORK WILL SALT CREEK  a (m2) oth (m) epth (m) erature (C) Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks s²	3250 1.2 2 17 100	Sampling Date 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	9/13/2007 557935 4838552 ation 1  10 90  100 es Collected:

	N 4H CENTER- SALEM LAMETTE RIVER	Map Code Sampling Date Location: Zone 10T	<b>4H1</b> 5/14/2007 488176 4983051
Surface Area (m2)	2100	Types of aquatic veget	ation <sup>1</sup>
Average Depth (m)	1.1	Submergent	70
Maximum Depth (m)	1.5	Emergent	30
Water Temperature (C)	15	Floating	10
		Algae	
Percent Silt / Organics	55	Total	100
Native Fish Species Co	ollected:	Non-native Fish Specie	es Collected:
Oregon Chub		Western Mosquitofis	sh
Cottids		Bullheads	
Speckled Dace		Common Carp	
Redside Shiners		Bluegills	
Northern Pikeminnov	ws	Largemouth Bass	
Largescale Suckers		Pumpkinseeds	
Sand Rollers		Crappies	
Threespine Stickleba	cks	Smallmouth Bass	
Salmonids <sup>2</sup>		Banded Killifish	
Lamprey Chiselmouth			
Officentiodali		Other:	NO FISH
NOTE: POTENTIAL I	REINTRODUCTION SITE		
Site Name COBURG Basin MID-WILI	REINTRODUCTION SITE  B EAST WETLAND  LAMETTE RIVER  JDDY CREEK	Map Code Sampling Date Location: Zone 10T	COBURG2* 10/2/2007 495535 4888367
Site Name COBURG Basin MID-WILI	B EAST WETLAND LAMETTE RIVER	Sampling Date	10/2/2007 495535 4888367
Site Name COBURG Basin MID-WILI Subbasin EAST MU Surface Area (m2)	<b>S EAST WETLAND</b> LAMETTE RIVER JDDY CREEK	Sampling Date Location: Zone 10T  Types of aquatic veget	10/2/2007 495535 4888367
Site Name COBURG Basin MID-WILI Subbasin EAST MU Surface Area (m2) Average Depth (m)	G EAST WETLAND LAMETTE RIVER UDDY CREEK 7400 0.3	Sampling Date Location: Zone 10T	10/2/2007 495535 4888367 ation <sup>1</sup>
Site Name COBURG Basin MID-WILI Subbasin EAST MU  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)	E EAST WETLAND LAMETTE RIVER UDDY CREEK  7400  0.3  0.5	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	10/2/2007 495535 4888367 ation <sup>1</sup>
Site Name COBURG Basin MID-WILI Subbasin EAST MU  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)	FEAST WETLAND LAMETTE RIVER UDDY CREEK  7400  0.3  0.5  15	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent	10/2/2007 495535 4888367 ation <sup>1</sup> 60 40
Site Name COBURG Basin MID-WILI Subbasin EAST MU  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)	E EAST WETLAND LAMETTE RIVER UDDY CREEK  7400  0.3  0.5	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	10/2/2007 495535 4888367 ation 1  60 40 0
Site Name COBURG Basin MID-WILI Subbasin EAST MU Surface Area (m2) Average Depth (m)	FEAST WETLAND LAMETTE RIVER UDDY CREEK  7400 0.3 0.5 15 90	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	10/2/2007 495535 4888367 ation <sup>1</sup> 60 40 0 0 100
Site Name COBURG Basin MID-WILI Subbasin EAST MU  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)  Percent Silt / Organics	FEAST WETLAND LAMETTE RIVER UDDY CREEK  7400 0.3 0.5 15 90	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae  Total	10/2/2007 495535 4888367 ation 1  60 40 0 0 100 es Collected:
Site Name COBURG Basin MID-WILI Subbasin EAST MU Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Co	FEAST WETLAND LAMETTE RIVER UDDY CREEK  7400 0.3 0.5 15 90	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	10/2/2007 495535 4888367 ation 1  60 40 0 0 100 es Collected:
Site Name COBURG Basin MID-WILI Subbasin EAST MU  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics  Native Fish Species Co	FEAST WETLAND LAMETTE RIVER UDDY CREEK  7400 0.3 0.5 15 90	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	10/2/2007 495535 4888367 ation 1  60 40 0 0 100 es Collected:
Site Name Basin MID-WILI Subbasin EAST MU  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Co Oregon Chub Cottids	FEAST WETLAND LAMETTE RIVER UDDY CREEK  7400 0.3 0.5 15 90	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	10/2/2007 495535 4888367 ation 1  60 40 0 0 100 es Collected:
Site Name Basin MID-WILI Subbasin EAST MU  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Co Oregon Chub Cottids Speckled Dace	FEAST WETLAND LAMETTE RIVER UDDY CREEK  7400 0.3 0.5 15 90  collected:	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	10/2/2007 495535 4888367 ation 1  60 40 0 0 100 es Collected:
Site Name COBURG Basin MID-WILI Subbasin EAST MU  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)  Percent Silt / Organics  Native Fish Species Co  Oregon Chub  Cottids  Speckled Dace  Redside Shiners	FEAST WETLAND LAMETTE RIVER UDDY CREEK  7400 0.3 0.5 15 90  collected:	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	10/2/2007 495535 4888367 ation 1  60 40 0 0 100 es Collected:
Site Name COBURG Basin MID-WILI Subbasin EAST MU  Surface Area (m2)  Average Depth (m)  Maximum Depth (m)  Water Temperature (C)  Percent Silt / Organics  Native Fish Species Co  Oregon Chub Cottids  Speckled Dace Redside Shiners Northern Pikeminnon	FEAST WETLAND LAMETTE RIVER UDDY CREEK  7400 0.3 0.5 15 90  collected:	Sampling Date 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	10/2/2007 495535 4888367 ation 1  60 40 0 0 100 es Collected:
Site Name Basin MID-WILI Subbasin EAST MU  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Co Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnov Largescale Suckers Sand Rollers Threespine Stickleba	PART WETLAND LAMETTE RIVER UDDY CREEK  7400 0.3 0.5 15 90  collected:	Sampling Date 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	10/2/2007 495535 4888367 ation 1  60 40 0 0 100 es Collected:
Site Name Basin MID-WILI Subbasin EAST MU  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics  Native Fish Species Co Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnov Largescale Suckers Sand Rollers	PART WETLAND LAMETTE RIVER UDDY CREEK  7400 0.3 0.5 15 90  collected:	Sampling Date 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	10/2/2007 495535 4888367 ation 1  60 40 0 0 100 es Collected:
Site Name Basin MID-WILI Subbasin EAST MU  Surface Area (m2) Average Depth (m) Maximum Depth (m) Water Temperature (C) Percent Silt / Organics Native Fish Species Co Oregon Chub Cottids Speckled Dace Redside Shiners Northern Pikeminnov Largescale Suckers Sand Rollers Threespine Stickleba	PART WETLAND LAMETTE RIVER UDDY CREEK  7400 0.3 0.5 15 90  collected:	Sampling Date 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	10/2/2007 495535 4888367 ation 1  60 40 0 0 100 es Collected:

Deele	COBURG WEST W		Map Code	COBURG1*
Basin Subbasin	MID-WILLAMETTE EAST MUDDY CRE		Sampling Date Location: Zone 10T	10/2/2007 495417 4888461
Surface Area	a (m2)	10527	Types of aquatic veget	ation <sup>1</sup>
Average De	pth (m)	0.3	Submergent	60
Maximum D	epth (m)	0.6	Emergent	40
Water Temp	erature (C)	15	Floating	0
Percent Silt		100	Algae <i>Total</i>	0 100
Native Fish	Species Collected:		Non-native Fish Specie	
	-		•	
Oregon C Cottids	illub		Western Mosquitofis Bullheads	III
Speckled	Dace		Common Carp	
Redside S			Bluegills	
	Pikeminnows		Largemouth Bass	
	le Suckers		Pumpkinseeds	
Sand Roll			Crappies	
	ne Sticklebacks		Smallmouth Bass	
Salmonid			Banded Killifish	
Lamprey	3		Danded Killinsii	
Chiselmo	uth			
Chiseimo	utti		Other:	NO FISH
	OBURG WW TRT PL		Man Carla	LMUDOA
Site Name Basin	LITTLE MUDDY CI	REEK BRIDGE XING RIVER	Map Code Sampling Date	<b>LMUD2A*</b> 9/17/2007 491465 4908441
Site Name Basin	LITTLE MUDDY CI	REEK BRIDGE XING RIVER	Sampling Date Location: Zone 10T	9/17/2007 491465 4908441
Site Name Basin Subbasin	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE	REEK BRIDGE XING RIVER	Sampling Date	9/17/2007 491465 4908441
Site Name Basin Subbasin Surface Area	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE a (m2)	REEK BRIDGE XING RIVER EEK	Sampling Date Location: Zone 10T	9/17/2007 491465 4908441
Site Name Basin Subbasin Surface Area	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m)	REEK BRIDGE XING RIVER EEK	Sampling Date Location: Zone 10T  Types of aquatic veget	9/17/2007 491465 4908441 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area Average De Maximum D	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m) epth (m)	REEK BRIDGE XING RIVER EEK 490 0.5 0.6	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	9/17/2007 491465 4908441 ation <sup>1</sup> 70
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m) epth (m) perature (C)	REEK BRIDGE XING RIVER EEK  490 0.5 0.6 20	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent	9/17/2007 491465 4908441 ation <sup>1</sup> 70
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m) epth (m) perature (C)	REEK BRIDGE XING RIVER EEK 490 0.5 0.6	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	9/17/2007 491465 4908441 ation <sup>1</sup> 70 10
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m) epth (m) perature (C)	REEK BRIDGE XING RIVER EEK  490 0.5 0.6 20	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	9/17/2007 491465 4908441 ation <sup>1</sup> 70 10  5 85
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	REEK BRIDGE XING RIVER EEK  490 0.5 0.6 20	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	9/17/2007 491465 4908441 ation 1  70 10  5 85 es Collected:
Site Name Basin Subbasin Surface Are: Average De Maximum D Water Temp Percent Silt Native Fish	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	REEK BRIDGE XING RIVER EEK  490 0.5 0.6 20	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	9/17/2007 491465 4908441 ation 1  70 10  5 85 es Collected:
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	REEK BRIDGE XING RIVER EEK  490 0.5 0.6 20	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	9/17/2007 491465 4908441 ation 1  70 10  5 85 es Collected:
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners	490 0.5 0.6 20 25	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	9/17/2007 491465 4908441 ation 1  70 10  5 85 es Collected:
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	### REEK BRIDGE XING RIVER EEK  490 0.5 0.6 20 25	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	9/17/2007 491465 4908441 ation 1  70 10  5 85 es Collected:
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers	### REEK BRIDGE XING RIVER EEK  490 0.5 0.6 20 25	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	9/17/2007 491465 4908441 ation 1  70 10  5 85 es Collected:
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers	### REEK BRIDGE XING RIVER EEK  490 0.5 0.6 20 25	Sampling Date 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	9/17/2007 491465 4908441 ation 1  70 10  5 85 es Collected:
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 Threespir	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics  Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	### REEK BRIDGE XING RIVER EEK  490 0.5 0.6 20 25	Sampling Date 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	9/17/2007 491465 4908441 ation 1  70 10  5 85 es Collected:
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	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics  Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	### REEK BRIDGE XING RIVER EEK  490 0.5 0.6 20 25	Sampling Date 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	9/17/2007 491465 4908441 ation 1  70 10  5 85 es Collected:
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 Threespir	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics  Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	### REEK BRIDGE XING RIVER EEK  490 0.5 0.6 20 25	Sampling Date 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	9/17/2007 491465 4908441 ation 1  70 10  5 85 es Collected:
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 Threespir Salmonid	LITTLE MUDDY CI MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics  Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers le Sticklebacks s 2	### REEK BRIDGE XING RIVER EEK  490 0.5 0.6 20 25	Sampling Date 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	9/17/2007 491465 4908441 ation 1  70 10  5 85 es Collected:

Site Name Basin	MUDDY CREEK (LI MID-WILLAMETTE		Map Code Sampling Date	<b>EMUD6A*</b> 10/2/2007
Subbasin	EAST MUDDY CRE	EK	Location: Zone 10T	494824 4870794
Surface Area	a (m2)	72	Types of aquatic veget	ation <sup>1</sup>
Average De	pth (m)	0.4	Submergent	30
Maximum D	epth (m)	0.75	Emergent	70
Water Temp		13	Floating	0
		-	Algae	0
Percent Silt	/ Organics	40	Total	100
Native Fish	<b>Species Collected:</b>		Non-native Fish Specie	es Collected:
Oregon C	hub	2	Western Mosquitofis	sh
Cottids		1	Bullheads	
Speckled	Dace	22	Common Carp	
Redside S	Shiners	24	Bluegills	
Northern	Pikeminnows		Largemouth Bass	
Largescal	le Suckers		Pumpkinseeds	
Sand Roll	lers		Crappies	
Threespir	ne Sticklebacks	2	Smallmouth Bass	
Salmonid			Banded Killifish	
Lamprey				
Chiselmo	uth			
Site Name	OBURG WW TRT PLA	I-5	Map Code	EMUD8171A*
Site Name Basin	OBURG WW TRT PLA	I-5 RIVER		<b>EMUD8171A*</b> 10/2/2007 495575 4889050
Site Name Basin Subbasin	OBURG WW TRT PLA  MUDDY CREEK @  MID-WILLAMETTE  EAST MUDDY CRE	<b>I-5</b> RIVER EK	Map Code Sampling Date Location: Zone 10T	10/2/2007 495575 4889050
Site Name Basin Subbasin Surface Area	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE	<b>I-5</b> RIVER EK 600	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	10/2/2007 495575 4889050 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m)	<b>I-5</b> RIVER EK 600 0.55	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	10/2/2007 495575 4889050 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m)	<b>I-5</b> RIVER EK 600	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	10/2/2007 495575 4889050 ation 1 0 10
Site Name Basin Subbasin Surface Area Average De Maximum D	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m)	<b>I-5</b> RIVER EK 600 0.55	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating	10/2/2007 495575 4889050 ation 1 0 10 0
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m) epth (m) perature (C)	<b>I-5</b> RIVER EK  600 0.55 0.75	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae	10/2/2007 495575 4889050 ation 1  0 10 0 0 0
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m) epth (m) perature (C) / Organics	1-5 RIVER EK 600 0.55 0.75	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total	10/2/2007 495575 4889050 ation <sup>1</sup> 0 10 0 0 10
Site Name Basin Subbasin Surface Are: Average De Maximum D Water Temp Percent Silt Native Fish	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) perature (C) / Organics  Species Collected:	1-5 RIVER EK 600 0.55 0.75 12 30	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	10/2/2007 495575 4889050 ation 1  0 10 0 0 10 0 10 es Collected:
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) perature (C) / Organics  Species Collected:	1-5 RIVER EK 600 0.55 0.75	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	10/2/2007 495575 4889050 ation 1  0 10 0 0 10 0 10 es Collected:
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	1-5 RIVER EK 600 0.55 0.75 12 30	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	10/2/2007 495575 4889050 ation 1  0 10 0 0 10 0 10 es Collected:
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	1-5 RIVER EK  600 0.55 0.75 12 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	10/2/2007 495575 4889050 ation 1  0 10 0 0 10 0 10 es Collected:
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: thub Dace Shiners	1-5 RIVER EK 600 0.55 0.75 12 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	10/2/2007 495575 4889050 ation 1  0 10 0 0 10 0 10 es Collected:
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows	1-5 RIVER EK  600 0.55 0.75 12 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	10/2/2007 495575 4889050 ation 1  0 10 0 0 10 0 10 es Collected:
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m) perature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers	1-5 RIVER EK  600 0.55 0.75 12 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	10/2/2007 495575 4889050 ation 1  0 10 0 0 10 0 10 es Collected:
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	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub Dace Shiners Pikeminnows le Suckers lers	1-5 RIVER EK  600 0.55 0.75 12 30  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	10/2/2007 495575 4889050 ation 1  0 10 0 0 10 0 10 es Collected:
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 Threespir	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: Chub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	1-5 RIVER EK  600 0.55 0.75 12 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	10/2/2007 495575 4889050 ation 1  0 10 0 0 10 0 10 es Collected:
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 Threespir Salmonid	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) perature (C) / Organics Species Collected: Chub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	1-5 RIVER EK  600 0.55 0.75 12 30  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	10/2/2007 495575 4889050 ation 1  0 10 0 0 10 0 10 es Collected:
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 Threespir Salmonids Lamprey	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks s²	1-5 RIVER EK  600 0.55 0.75 12 30  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	10/2/2007 495575 4889050 ation 1  0 10 0 0 10 0 10 es Collected:
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 Threespir Salmonid	MUDDY CREEK @ MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) perth (m) perature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks s²	1-5 RIVER EK  600 0.55 0.75 12 30  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	10/2/2007 495575 4889050 ation 1  0 10 0 0 10 0 10 es Collected:

Site Name Basin	PIERCE CREEK MID-WILLAMETTE	RIVER	Map Code Sampling Date	<b>PIERCE1</b> 4/19/2007
Subbasin	EAST MUDDY CRE	EEK	Location: Zone 10T	495314 4904582
Surface Area	a (m2)	750	Types of aquatic veget	ation <sup>1</sup>
Average De <sub>l</sub>	pth (m)	0.6	Submergent	0
Maximum D		0.9	Emergent	65
		7	Floating	0
Water Temp		•	Algae	0
Percent Silt	/ Organics	50	Total	65
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:
Oregon C	hub		Western Mosquitofis	sh
Cottids			Bullheads	
Speckled	Dace		Common Carp	
Redside S	Shiners	16	Bluegills	
Northern	Pikeminnows		Largemouth Bass	
Largescal	e Suckers		Pumpkinseeds	
Sand Roll	ers		Crappies	
Threespin	ne Sticklebacks		Smallmouth Bass	
Salmonid	S <sup>2</sup>		Banded Killifish	
Lamprey				
Chiselmo	uth		Othern	
			Other:	
Site Name	TUB RUN CREEK	RIVER	Map Code	TUB1 4/19/2007
Site Name Basin			Map Code Sampling Date Location: Zone 10T	<b>TUB1</b> 4/19/2007 495345 4904781
Site Name Basin Subbasin	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE		Sampling Date	4/19/2007 495345 4904781
Site Name Basin Subbasin Surface Area	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE	EEK	Sampling Date Location: Zone 10T  Types of aquatic veget	4/19/2007 495345 4904781
Site Name Basin Subbasin Surface Area	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m)	725 0.7	Sampling Date Location: Zone 10T	4/19/2007 495345 4904781 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area Average Del	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE a (m2) pth (m) epth (m)	725 0.7 1.2	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	4/19/2007 495345 4904781 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C)	725 0.7 1.2 7	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent	4/19/2007 495345 4904781 ation <sup>1</sup> 0 55
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C)	725 0.7 1.2	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	4/19/2007 495345 4904781 ation <sup>1</sup> 0 55 0
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C)	725 0.7 1.2 7	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	4/19/2007 495345 4904781 ation <sup>1</sup> 0 55 0 0 55
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	725 0.7 1.2 7	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae  Total	4/19/2007 495345 4904781 ation 1  0 55 0 0 55 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	725 0.7 1.2 7	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/19/2007 495345 4904781 ation 1  0 55 0 0 55 es Collected:
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub	725 0.7 1.2 7 70	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	4/19/2007 495345 4904781 ation 1  0 55 0 0 55 es Collected:
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace	725 0.7 1.2 7 70	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	4/19/2007 495345 4904781 ation 1  0 55 0 0 55 es Collected:
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace	725 0.7 1.2 7 70	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	4/19/2007 495345 4904781 ation 1  0 55 0 0 55 es Collected:
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners	725 0.7 1.2 7 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	4/19/2007 495345 4904781 ation 1  0 55 0 0 55 es Collected:
Site Name Basin Subbasin Surface Area Average Del Maximum Del Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows de Suckers	725 0.7 1.2 7 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	4/19/2007 495345 4904781 ation 1  0 55 0 0 55 es Collected:
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	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows de Suckers	725 0.7 1.2 7 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	4/19/2007 495345 4904781 ation 1  0 55 0 0 55 es Collected:
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	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) eepth (m) eerature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows le Suckers lers le Sticklebacks	725 0.7 1.2 7 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	4/19/2007 495345 4904781 ation 1  0 55 0 0 55 es Collected:
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	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) eepth (m) eerature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows le Suckers lers le Sticklebacks	725 0.7 1.2 7 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	4/19/2007 495345 4904781 ation 1  0 55 0 0 55 es Collected:
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	TUB RUN CREEK MID-WILLAMETTE EAST MUDDY CRE  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows te Suckers ters te Sticklebacks s 2	725 0.7 1.2 7 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	4/19/2007 495345 4904781 ation 1  0 55 0 0 55 es Collected:

	JAMPOLSKY PON	_	Map Code	JAMP1-2F*
Basin	MID-WILLAMETTE		Sampling Date	9/20/2007
Subbasin	LONG TOM RIVER		Location: Zone 10T	480282 489092°
Surface Are	a (m2)	3045	Types of aquatic veget	ation <sup>1</sup>
Average De	pth (m)	1	Submergent	25
Maximum D	epth (m)	2.3	Emergent	
Water Temp	perature (C)	18	Floating	
· Percent Silt		100	Algae <i>Total</i>	15 40
	Species Collected:		Non-native Fish Specie	_
Oregon C		4159	Western Mosquitofis	
Cottids	ilub	4133	Bullheads	111
	Daca			
Speckled Redside S			Common Carp	
	Sniners Pikeminnows		Bluegills	
			Largemouth Bass	
_	le Suckers		Pumpkinseeds	
Sand Rol			Crappies	
	ne Sticklebacks		Smallmouth Bass	
Salmonid	S <sup>2</sup>		Banded Killifish	
Lamprey				
Chiselmo	uth		Othor	
00			Other:	
NOTE: R	BULL RUN CREEK	ζ	Other:  Map Code	BULLR2-3C
NOTE: R Site Name Basin		ζ		<b>BULLR2-3C</b> 5/9/2007 473047 4926122
	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER	ζ	Map Code Sampling Date	5/9/2007 473047 4926122
NOTE: R Site Name Basin Subbasin	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER a (m2)	( RIVER	Map Code Sampling Date Location: Zone 10T	5/9/2007 473047 4926122
NOTE: R Site Name Basin Subbasin Surface Are Average De	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER a (m2) pth (m)	RIVER	Map Code Sampling Date Location: Zone 10T Types of aquatic veget	5/9/2007 473047 4926122 ation <sup>1</sup>
NOTE: R Site Name Basin Subbasin Surface Are Average De Maximum D	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER a (m2) pth (m) epth (m)	1837 0.3 0.65	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	5/9/2007 473047 4926122 ation <sup>1</sup>
NOTE: R Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) perature (C)	1837 0.3 0.65 14	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	5/9/2007 473047 4926122 ation <sup>1</sup>
NOTE: R Site Name Sasin Subbasin Surface Are Average De Maximum D Water Temp	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) perature (C)	1837 0.3 0.65	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating	5/9/2007 473047 4926122 ation <sup>1</sup>
NOTE: R Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) perature (C)	1837 0.3 0.65 14	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae	5/9/2007 473047 4926122 ation <sup>1</sup> 10 90
NOTE: R Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) perature (C) / Organics  Species Collected:	1837 0.3 0.65 14	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total	5/9/2007 473047 4926122 ation 1 10 90 100 es Collected:
NOTE: R Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) perature (C) / Organics  Species Collected:	1837 0.3 0.65 14	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	5/9/2007 473047 4926122 ation 1 10 90 100 es Collected:
NOTE: R Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	1837 0.3 0.65 14 85	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	5/9/2007 473047 4926122 ation 1 10 90 100 es Collected:
NOTE: R Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	1837 0.3 0.65 14 85	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	5/9/2007 473047 4926122 ation 1 10 90 100 es Collected:
Site Name Basin Subbasin Subbasin Surface Are Average De Maximum D Vater Temp Percent Silt Oregon C Cottids Speckled Redside S	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	1837 0.3 0.65 14 85	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	5/9/2007 473047 4926122 ation 1 10 90 100 es Collected:
Site Name Basin Subbasin Subbasin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners	1837 0.3 0.65 14 85	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	5/9/2007 473047 4926122 ation 1 10 90 100 es Collected:
Site Name Basin Subbasin Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers	1837 0.3 0.65 14 85	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	5/9/2007 473047 4926122 ation 1 10 90 100 es Collected:
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	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers	1837 0.3 0.65 14 85	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	5/9/2007 473047 4926122 ation 1 10 90 100 es Collected:
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	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	1837 0.3 0.65 14 85	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	5/9/2007 473047 4926122 ation 1 10 90 100 es Collected:
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 Salmonid	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	1837 0.3 0.65 14 85	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	5/9/2007 473047 4926122 ation 1 10 90 100 es Collected:
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	BULL RUN CREEK MID-WILLAMETTE MARYS RIVER  a (m2) pth (m) epth (m) epth (m) orature (C) / Organics Species Collected: Chub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks s²	1837 0.3 0.65 14 85	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	5/9/2007 473047 4926122 ation 1 10 90 100 es Collected:

Site Name Basin	DUNN WETLAND MID-WILLAMETT	-	Map Code Sampling Date	<b>DUNN2N*</b> 9/26/2007
Subbasin	MARYS RIVER		Location: Zone 10T	470249 4921916
Surface Are	a (m2)	2240	Types of aquatic veget	ation <sup>1</sup>
Average De	pth (m)	0.7	Submergent	60
Maximum D	epth (m)	1	Emergent	40
		•	Floating	0
Water Temp		18	Algae	0
Percent Silt	/ Organics	100	Total	100
Native Fish	Species Collected:	:	Non-native Fish Specie	es Collected:
Oregon C	hub	12010	Western Mosquitofis	sh
Cottids			Bullheads	
Speckled	Dace		Common Carp	
Redside S	Shiners		Bluegills	
Northern	Pikeminnows		Largemouth Bass	
Largescal	le Suckers		Pumpkinseeds	
Sand Roll			Crappies	
Threespir	ne Sticklebacks		Smallmouth Bass	
Salmonid			Banded Killifish	
Lamprey				
Chiselmo	uth			
CHISCHIO				
NOTE: 19	997 REINTRODUCT		Other:  Map Code	DUNN6I*
NOTE: 19 Site Name Basin	997 REINTRODUCT	D DUNN6		<b>DUNN6I*</b> 9/26/2007 470249 4921836
NOTE: 19 Site Name Basin Subbasin	DUNN WETLAND MID-WILLAMETT MARYS RIVER	D DUNN6	Map Code Sampling Date	9/26/2007 470249 4921836
NOTE: 19 Site Name Basin Subbasin Surface Area	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2)	D DUNN6 E RIVER	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	9/26/2007 470249 4921836 ation <sup>1</sup>
NOTE: 19 Site Name Basin Subbasin Surface Area	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m)	3500 0.7	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	9/26/2007 470249 4921836
NOTE: 19 Site Name Basin Subbasin Surface Area Average De	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) epth (m)	3500 0.7 1	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	9/26/2007 470249 4921836 ation <sup>1</sup>
NOTE: 19 Site Name Basin Subbasin Surface Area Average Del	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) epth (m)	3500 0.7	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40
NOTE: 19 Site Name Basin Subbasin Surface Are: Average De Maximum D Water Temp	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) epth (m) perature (C)	3500 0.7 1	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40 0
NOTE: 19 Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) epth (m) perature (C)	3500 0.7 1 18 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40 0 0 60
NOTE: 19 Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) perature (C) / Organics  Species Collected:	3500 0.7 1 18 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40 0 60 es Collected:
NOTE: 19 Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) perature (C) / Organics  Species Collected:	3500 0.7 1 18 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40 0 60 es Collected:
NOTE: 19 Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	3500 0.7 1 18 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40 0 60 es Collected:
NOTE: 19 Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace	3500 0.7 1 18 100	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	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40 0 60 es Collected:
Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace	3500 0.7 1 18 100	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	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40 0 60 es Collected:
Site Name Basin Subbasin Surface Are: Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows	3500 0.7 1 18 100	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	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40 0 60 es Collected:
Site Name Basin Subbasin Surface Are: Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) eepth (m) eerature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers	3500 0.7 1 18 100	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	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40 0 60 es Collected:
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	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers	3500 0.7 1 18 100	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	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40 0 60 es Collected:
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 Threespir	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) epth (m) epth (m) perature (C) / Organics  Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	3500 0.7 1 18 100	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	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40 0 60 es Collected:
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 Threespir Salmonids	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) epth (m) epth (m) perature (C) / Organics  Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	3500 0.7 1 18 100	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	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40 0 60 es Collected:
Site Name Basin Subbasin Surface Area Average Del Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir	DUNN WETLAND MID-WILLAMETT MARYS RIVER  a (m2) pth (m) epth (m) errature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers le Sticklebacks s²	3500 0.7 1 18 100	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	9/26/2007 470249 4921836 ation <sup>1</sup> 20 40 0 60 es Collected:

Site Name Basin	DUNN WETLAND I MID-WILLAMETTE		Map Code Sampling Date	<b>DUNN7G</b> * 9/26/2007	
Subbasin	MARYS RIVER		Location: Zone 10T	470299	4921916
Surface Area	ı (m2)	880	Types of aquatic veget	ation <sup>1</sup>	
Average Dep	oth (m)	0.3	Submergent		15
Maximum De	epth (m)	0.4	Emergent		25
Water Tempe		18	Floating		
		-	Algae		
Percent Silt /		100	Total		40
Native Fish S	Species Collected:		Non-native Fish Specie	es Collected:	
Oregon Ch	nub	4364	Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled [			Common Carp		
Redside S			Bluegills		
	Pikeminnows		Largemouth Bass		
Largescale	e Suckers		Pumpkinseeds		
Sand Rolle	ers		Crappies		
Threespine	e Sticklebacks		Smallmouth Bass		
Salmonids	; <sup>2</sup>		Banded Killifish		
Lamprey					
01: 1	ıth		Other		
Chiselmou	1111				
NOTE: RE	INTROD. SITE- POF	P. ESTIMATE  DWN CK NORTH POND	Other:  Map Code	FIN25C	
NOTE: RE Site Name Basin	INTROD. SITE- POF	OWN CK NORTH POND		<b>FIN25C</b> 5/8/2007 474275	4918850
NOTE: RE Site Name Basin Subbasin	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER	OWN CK NORTH POND RIVER	Map Code Sampling Date	5/8/2007 474275	4918850
NOTE: RE Site Name Basin Subbasin Surface Area	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER	DWN CK NORTH POND RIVER 2000	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	5/8/2007 474275	
NOTE: RE Site Name Basin Subbasin Surface Area Average Dep	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER	DWN CK NORTH POND RIVER 2000 0.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	5/8/2007 474275	4918850 10 20
NOTE: RE Site Name Basin Subbasin Surface Area Average Dep Maximum De	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  1 (m2) oth (m) epth (m)	2000 0.5 0.8	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	5/8/2007 474275	10
NOTE: RE Site Name Basin Subbasin Surface Area Average Dep Maximum De	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  1 (m2) oth (m) epth (m)	DWN CK NORTH POND RIVER 2000 0.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	5/8/2007 474275	10 20
NOTE: RE Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m) erature (C)	2000 0.5 0.8	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating	5/8/2007 474275	10 20 10
NOTE: RE Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt /	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m) erature (C)	2000 0.5 0.8 21.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	5/8/2007 474275 ation <sup>1</sup>	10 20 10 10 40
NOTE: RE Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt /	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  It (m2) oth (m) epth (m) erature (C) Organics Species Collected:	2000 0.5 0.8 21.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total	5/8/2007 474275 ation <sup>1</sup>	10 20 10 10 40
NOTE: RE Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  It (m2) oth (m) epth (m) erature (C) Organics Species Collected:	2000 0.5 0.8 21.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	5/8/2007 474275 ation <sup>1</sup>	10 20 10 10 40
NOTE: RE Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  a (m2) bth (m) epth (m) erature (C) Organics Species Collected: hub	2000 0.5 0.8 21.5 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	5/8/2007 474275 ation <sup>1</sup>	10 20 10 10 40
NOTE: RE Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish 3 Oregon Ch Cottids	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  a (m2) bth (m) epth (m) erature (C) Organics Species Collected: hub	2000 0.5 0.8 21.5 100	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	5/8/2007 474275 ation <sup>1</sup>	10 20 10 10 40
NOTE: RE Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled I Redside S	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  a (m2) bth (m) epth (m) erature (C) Organics Species Collected: hub	2000 0.5 0.8 21.5 100	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	5/8/2007 474275 ation <sup>1</sup>	10 20 10 10 40
NOTE: RE Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled I Redside S	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  a (m2) bth (m) bepth (m) berature (C) Organics Species Collected: hub  Dace thiners Pikeminnows	2000 0.5 0.8 21.5 100	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	5/8/2007 474275 ation <sup>1</sup>	10 20 10 10 40
NOTE: RE 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 I	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  a (m2) bth (m) bepth (m) berature (C) Organics Species Collected: hub  Dace hiners Pikeminnows be Suckers	2000 0.5 0.8 21.5 100	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	5/8/2007 474275 ation <sup>1</sup>	10 20 10 10 40
NOTE: RE 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 I Largescale Sand Rolle	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  It (m2) With (m) Wepth (m) Wepth (m) Werature (C) Organics Species Collected: Mub Dace Whiners Pikeminnows We Suckers Wers	2000 0.5 0.8 21.5 100	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	5/8/2007 474275 ation <sup>1</sup>	10 20 10 10 40
NOTE: RE 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 I Largescale Sand Rolle	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  (m2) oth (m) epth (m) erature (C) Torganics Species Collected: hub  Dace chiners Pikeminnows e Suckers ers e Sticklebacks	2000 0.5 0.8 21.5 100	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	5/8/2007 474275 ation <sup>1</sup>	10 20 10 10 40
NOTE: RE Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Tempe Percent Silt / Native Fish \$ Oregon Ch Cottids Speckled I Redside S Northern I Largescale Sand Rolle Threespine Salmonids	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  (m2) oth (m) epth (m) erature (C) Torganics Species Collected: hub  Dace chiners Pikeminnows e Suckers ers e Sticklebacks	2000 0.5 0.8 21.5 100	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	5/8/2007 474275 ation <sup>1</sup>	10 20 10 10 40
NOTE: RE 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	FINLEY NWR BRO MID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m) erature (C) Organics Species Collected: hub  Dace chiners Pikeminnows e Suckers ers e Sticklebacks e Sticklebacks	2000 0.5 0.8 21.5 100	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	5/8/2007 474275 ation <sup>1</sup>	10 20 10 10 40

Site Name Basin	MID-WILLAMETTE	<b>WN CK SOUTH POND</b> RIVER	Map Code Sampling Date	<b>FIN26C</b> 5/8/2007	
Subbasin	MARYS RIVER		Location: Zone 10T	474300	4918600
Surface Area	a (m2)	7200	Types of aquatic veget	ation <sup>1</sup>	
Average Dep	oth (m)	1	Submergent		35
Maximum De	epth (m)	1.8	Emergent		0
Water Temp		21	Floating		0
			Algae		5
Percent Silt /	Organics	100	Total		40
Native Fish	Species Collected:		Non-native Fish Specie	es Collected	:
Oregon C	hub		Western Mosquitofis	sh	
Cottids		1	Bullheads		
Speckled			Common Carp		
Redside S	Shiners		Bluegills		
Northern	Pikeminnows		Largemouth Bass		
Largescal	e Suckers		Pumpkinseeds		
Sand Roll	ers		Crappies		
Threespin	e Sticklebacks	229	Smallmouth Bass		
Salmonide			Banded Killifish		
Lamprey					
Chiselmou	uth				
NOTE: PO	TENTIAL REINTROI	ADLE POND	Other:  Map Code Sampling Date	FIN27F 5/10/2007	,
NOTE: PO	OTENTIAL REINTROI	ADLE POND		FIN27F 5/10/2007 475856	, 4915761
NOTE: PO Site Name Basin Subbasin	FINLEY NWR CHE MID-WILLAMETTE MARYS RIVER	ADLE POND	Map Code Sampling Date	5/10/2007 475856	
NOTE: PO Site Name Basin Subbasin Surface Area	FINLEY NWR CHE MID-WILLAMETTE MARYS RIVER	<b>ADLE POND</b> RIVER	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	5/10/2007 475856	
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep	FINLEY NWR CHE MID-WILLAMETTE MARYS RIVER  a (m2) oth (m)	ADLE POND RIVER 8142 1.5	Map Code Sampling Date Location: Zone 10T	5/10/2007 475856	4915761
NOTE: PO Site Name Basin Subbasin Surface Area Average Der Maximum De	FINLEY NWR CHE MID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m)	ADLE POND RIVER 8142 1.5 3.3	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	5/10/2007 475856	4915761 15
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp	FINLEY NWR CHE. MID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m) erature (C)	ADLE POND RIVER  8142 1.5 3.3 18.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	5/10/2007 475856	4915761 15
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp	FINLEY NWR CHE. MID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m) erature (C)	ADLE POND RIVER 8142 1.5 3.3	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating	5/10/2007 475856	4915761 15
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt	FINLEY NWR CHE. MID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m) erature (C)	ADLE POND RIVER  8142 1.5 3.3 18.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	5/10/2007 475856 ation <sup>1</sup>	4915761 15 71 86
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt	FINLEY NWR CHE MID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected:	ADLE POND RIVER  8142 1.5 3.3 18.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total	5/10/2007 475856 ation <sup>1</sup>	4915761 15 71 86
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt /	FINLEY NWR CHE MID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected:	ADLE POND RIVER  8142 1.5 3.3 18.5 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	5/10/2007 475856 ation <sup>1</sup>	4915761 15 71 86
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon C	FINLEY NWR CHEMID-WILLAMETTE MARYS RIVER  a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub	ADLE POND RIVER  8142 1.5 3.3 18.5 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	5/10/2007 475856 ation <sup>1</sup>	4915761 15 71 86
NOTE: PO Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids	FINLEY NWR CHE. MID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	ADLE POND RIVER  8142 1.5 3.3 18.5 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	5/10/2007 475856 ation <sup>1</sup>	4915761 15 71 86
NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	FINLEY NWR CHE. MID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	ADLE POND RIVER  8142 1.5 3.3 18.5 100	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	5/10/2007 475856 ation <sup>1</sup>	4915761 15 71 86
NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	FINLEY NWR CHE. MID-WILLAMETTE MARYS RIVER  a (m2) bth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows	ADLE POND RIVER  8142 1.5 3.3 18.5 100	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	5/10/2007 475856 ation <sup>1</sup>	4915761 15 71 86
NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon C Cottids Speckled Redside S Northern	FINLEY NWR CHE. MID-WILLAMETTE MARYS RIVER  a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers	ADLE POND RIVER  8142 1.5 3.3 18.5 100	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	5/10/2007 475856 ation <sup>1</sup>	4915761 15 71 86
NOTE: PO Site Name Basin Subbasin Surface Area Average Der Maximum Der Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	FINLEY NWR CHEMID-WILLAMETTE MARYS RIVER  a (m2) bth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers	ADLE POND RIVER  8142 1.5 3.3 18.5 100	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	5/10/2007 475856 ation <sup>1</sup>	4915761 15 71 86
NOTE: PO Site Name Basin Subbasin Surface Area Average Der Maximum Der Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	FINLEY NWR CHEMID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	ADLE POND RIVER  8142 1.5 3.3 18.5 100	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	5/10/2007 475856 ation <sup>1</sup>	4915761 15 71 86
NOTE: PC 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 Salmonids	FINLEY NWR CHEMID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	ADLE POND RIVER  8142 1.5 3.3 18.5 100	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	5/10/2007 475856 ation <sup>1</sup>	4915761 15 71 86
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	FINLEY NWR CHE. MID-WILLAMETTE MARYS RIVER  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks s 2	ADLE POND RIVER  8142 1.5 3.3 18.5 100	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	5/10/2007 475856 ation <sup>1</sup>	4915761 15 71 86

**NOTE:** POPULATION ESTIMATE

	<b>NLEY NWR DISPLA</b> D-WILLAMETTE RIV ARYS RIVER		Map Code Sampling Date Location: Zone 10T	<b>FIN16O</b> 5/10/2007 473386 4917139
Surface Area (m	2)	6400	Types of aquatic veget	ation <sup>1</sup>
Average Depth (ı	m)	1.5	Submergent	30
Maximum Depth	(m)	2.5	Emergent	45
Water Temperatu		19	Floating	
Percent Silt / Org	, ,	100	Algae	
_		100	Total	75
Native Fish Spe	cies Collected:		Non-native Fish Specie	
Oregon Chub		227	Western Mosquitofis	sh
Cottids			Bullheads	
Speckled Dace			Common Carp	
Redside Shine			Bluegills	
Northern Pike			Largemouth Bass	
Largescale Su	ckers		Pumpkinseeds	
Sand Rollers			Crappies	
Threespine St	icklebacks		Smallmouth Bass	
Salmonids <sup>2</sup>			Banded Killifish	
Lamprey				
Chiselmouth			Other:	
NOTE: POPU	LATION ESTIMATE-	DEINTDOD SITE	Omer:	
Occin MI	D WILL WALLETTE DIV			
	D-WILLAMETTE RI\ ARYS RIVER	/ER	Sampling Date Location: Zone 10T	5/9/2007 472649 4915908
Subbasin M/	ARYS RIVER	Z2872		472649 4915908
Surface Area (m2	ARYS RIVER		Location: Zone 10T	472649 4915908
Subbasin M/ Surface Area (m/ Average Depth (i	ARYS RIVER 2) m)	22872 1	Location: Zone 10T  Types of aquatic veget	472649 4915908 ation <sup>1</sup>
Subbasin M/ Surface Area (m: Average Depth (i) Maximum Depth	ARYS RIVER  2) m) (m)	22872 1 2.2	Location: Zone 10T  Types of aquatic veget  Submergent	472649 4915908 ation <sup>1</sup> 35
Subbasin M/ Surface Area (m: Average Depth (i) Maximum Depth	ARYS RIVER  2) m) (m)	22872 1	Types of aquatic veget  Submergent Emergent Floating	472649 4915908 ation <sup>1</sup> 35
Subbasin M/ Surface Area (m/ Average Depth (i) Maximum Depth Water Temperati	ARYS RIVER  2) m) (m) ure (C)	22872 1 2.2	Location: Zone 10T  Types of aquatic veget  Submergent  Emergent	472649 4915908 ation <sup>1</sup> 35
Subbasin M/ Surface Area (m/ Average Depth (i Maximum Depth Water Temperatu Percent Silt / Org	ARYS RIVER  2) m) (m) ure (C) ganics	22872 1 2.2 12	Types of aquatic veget  Submergent Emergent Floating Algae	472649 4915908  ation 1  35 65
Subbasin M/ Surface Area (m/ Average Depth (i Maximum Depth Water Temperatu Percent Silt / Org	ARYS RIVER  2) m) (m) ure (C) ganics	22872 1 2.2 12	Types of aquatic veget  Submergent Emergent Floating Algae Total	472649 4915908  ation   35 65  100  es Collected:
Subbasin M/ Surface Area (m: Average Depth (i Maximum Depth Water Temperati Percent Silt / Org	ARYS RIVER  2) m) (m) ure (C) ganics	22872 1 2.2 12 100	Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	472649 4915908  ation 1  35 65  100  es Collected:
Subbasin M/ Surface Area (m: Average Depth (i Maximum Depth Water Temperatu Percent Silt / Org Native Fish Spe Oregon Chub	ARYS RIVER  2) m) (m) ure (C) ganics cies Collected:	22872 1 2.2 12 100	Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Species	472649 4915908  ation   35 65  100  es Collected:
Subbasin M/ Surface Area (m: Average Depth (i Maximum Depth Water Temperatu Percent Silt / Org Native Fish Spe Oregon Chub Cottids	ARYS RIVER  2) m) (m) ure (C) panics cies Collected:	22872 1 2.2 12 100 1399 15	Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	472649 4915908  ation   35 65  100  es Collected:
Subbasin M/ Surface Area (m: Average Depth (i Maximum Depth Water Temperati Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dace	ARYS RIVER  2) m) (m) ure (C) panics cies Collected:	22872 1 2.2 12 100 1399 15 2134	Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	472649 4915908  ation   35 65  100  es Collected:
Subbasin M/ Surface Area (m/ Average Depth (n/ Maximum Depth Water Temperate Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dace Redside Shine	ARYS RIVER  2) m) (m) ure (C) ganics cies Collected:	22872 1 2.2 12 100 1399 15 2134	Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	472649 4915908  ation   35 65  100  es Collected:
Subbasin M/ Surface Area (m/ Average Depth (n/ Maximum Depth Water Temperate Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dace Redside Shine Northern Pike	ARYS RIVER  2) m) (m) ure (C) ganics cies Collected:	22872 1 2.2 12 100 1399 15 2134	Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	472649 4915908  ation   35 65  100  es Collected:
Subbasin M/ Surface Area (m: Average Depth (i Maximum Depth Water Temperatu Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dace Redside Shine Northern Pike Largescale Su Sand Rollers	ARYS RIVER  2) m) (m) ure (C) ganics cies Collected:	22872 1 2.2 12 100 1399 15 2134 3210	Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	472649 4915908  ation   35 65  100  es Collected:
Subbasin M/ Surface Area (m.: Average Depth (i Maximum Depth Water Temperatu Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dace Redside Shine Northern Pike Largescale Su Sand Rollers Threespine Sti	ARYS RIVER  2) m) (m) ure (C) ganics cies Collected:	22872 1 2.2 12 100 1399 15 2134	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	472649 4915908  ation   35 65  100  es Collected:
Subbasin M/ Surface Area (m: Average Depth (n: Maximum Depth Water Temperate Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dace Redside Shine Northern Pike Largescale Su Sand Rollers Threespine Sti Salmonids 2	ARYS RIVER  2) m) (m) ure (C) ganics cies Collected:	22872 1 2.2 12 100 1399 15 2134 3210	Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	472649 4915908  ation 1  35 65  100  es Collected:
Subbasin M/ Surface Area (m.: Average Depth (i Maximum Depth Water Temperatu Percent Silt / Org Native Fish Spe Oregon Chub Cottids Speckled Dace Redside Shine Northern Pike Largescale Su Sand Rollers Threespine Sti	ARYS RIVER  2) m) (m) ure (C) ganics cies Collected:	22872 1 2.2 12 100 1399 15 2134 3210	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	472649 4915908  ation 1  35 65  100  es Collected:

Site Name Basin Subbasin	SANTIAM I-5 BACK SANTIAM RIVER	WATER I5BW1	Map Code Sampling Date Location: Zone 10T	<b>I5BW1J</b> 4/30/2007 495928 4953377
Surface Area	a (m2)	930	Types of aquatic veget	ation <sup>1</sup>
Average Dep	,	1.5	Submergent	70
		-	Emergent	10
Maximum De		2.5	Floating	0
Water Temp	erature (C)	12	Algae	0
Percent Silt /	/ Organics	100	Total	80
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:
Oregon C	hub		Western Mosquitofis	sh 21
Cottids			Bullheads	
Speckled	Dace		Common Carp	
Redside S	Shiners	15	Bluegills	
Northern	Pikeminnows	15	Largemouth Bass	
Largescal	e Suckers	3	Pumpkinseeds	1
Sand Roll	ers		Crappies	
•	e Sticklebacks	12	Smallmouth Bass	
Salmonide	3 <sup>2</sup>		Banded Killifish	
Lamprey				
Lampley				
Chiselmou	uth		Other:	
	SANTIAM I-5 SIDE	CHANNEL POND	Other:  Map Code Sampling Date	<b>I5BW2I</b> 4/30/2007
Chiselmon NOTE: Site Name Basin	SANTIAM I-5 SIDE	CHANNEL POND		
Chiselmou	SANTIAM I-5 SIDE SANTIAM RIVER	CHANNEL POND  6000	Map Code Sampling Date	4/30/2007 496051 4953491
Chiselmon NOTE: Site Name Basin Subbasin	SANTIAM I-5 SIDE SANTIAM RIVER a (m2)		Map Code Sampling Date Location: Zone 10T	4/30/2007 496051 4953491
Chiselmon NOTE: Site Name Basin Subbasin Surface Area	SANTIAM I-5 SIDE SANTIAM RIVER  a (m2)  oth (m)	6000	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	4/30/2007 496051 4953491 ation <sup>1</sup>
Chiselmon NOTE: Site Name Basin Subbasin Surface Area Average Dep Maximum De	SANTIAM I-5 SIDE SANTIAM RIVER a (m2) oth (m) epth (m)	6000 1.5 3	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	4/30/2007 496051 4953491 ation <sup>1</sup>
Chiselmon NOTE: Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp	SANTIAM I-5 SIDE SANTIAM RIVER  a (m2) bth (m) epth (m) erature (C)	6000 1.5 3 12	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	4/30/2007 496051 4953491 ation <sup>1</sup> 40 25
Chiselmon NOTE: Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp	SANTIAM I-5 SIDE SANTIAM RIVER  a (m2) bth (m) epth (m) erature (C)	6000 1.5 3	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	4/30/2007 496051 4953491 ation <sup>1</sup>
Chiselmon NOTE:  Site Name Basin Subbasin  Surface Area Average Dep Maximum De Water Temp Percent Silt	SANTIAM I-5 SIDE SANTIAM RIVER  a (m2) bth (m) epth (m) erature (C)	6000 1.5 3 12	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	4/30/2007 496051 4953491 ation <sup>1</sup> 40 25
Chiselmon NOTE:  Site Name Basin Subbasin  Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon C	SANTIAM I-5 SIDE SANTIAM RIVER  a (m2) bth (m) epth (m) erature (C) / Organics Species Collected:	6000 1.5 3 12 80	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	4/30/2007 496051 4953491 ation 1  40 25  65 es Collected:
Chiselmon NOTE:  Site Name Basin Subbasin  Surface Area Average Dep Maximum De Water Temp Percent Silt  Native Fish Oregon C Cottids	SANTIAM I-5 SIDE SANTIAM RIVER  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	6000 1.5 3 12 80	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	4/30/2007 496051 4953491 ation 1  40 25  65 es Collected:
Chiselmon NOTE:  Site Name Basin Subbasin  Surface Area Average Dep Maximum De Water Temp Percent Silt / Native Fish Oregon C Cottids Speckled	SANTIAM I-5 SIDE SANTIAM RIVER  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub Dace	6000 1.5 3 12 80 <b>21</b> 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	4/30/2007 496051 4953491 ation 1  40 25  65 es Collected: th 111 1
Chiselmon NOTE:  Site Name Basin Subbasin  Surface Area Average Dep Maximum De Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	SANTIAM I-5 SIDE SANTIAM RIVER  a (m2) bth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners	6000 1.5 3 12 80 <b>21</b> 2 1 66	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	4/30/2007 496051 4953491 ation 1  40 25  65 es Collected:  th 111 1 152
Chiselmon NOTE:  Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S Northern	SANTIAM I-5 SIDE SANTIAM RIVER  a (m2) bth (m) epth (m) erature (C) / Organics Species Collected: hub Dace Shiners Pikeminnows	6000 1.5 3 12 80 <b>21</b> 2 1 66 67	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	4/30/2007 496051 4953491 ation 1  40 25  65 es Collected:  th 111 1 152 11
Chiselmon NOTE:  Site Name Basin Subbasin  Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S Northern Largescal	SANTIAM I-5 SIDE SANTIAM RIVER  a (m2) bth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers	6000 1.5 3 12 80 <b>21</b> 2 1 66 67 14	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	4/30/2007 496051 4953491 ation 1  40 25  65 es Collected:  th 111 1 152
Chiselmon NOTE:  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	SANTIAM I-5 SIDE SANTIAM RIVER  a (m2) both (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers	6000 1.5 3 12 80 <b>21</b> 2 1 66 67 14	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	4/30/2007 496051 4953491 ation 1  40 25  65 es Collected:  th 111 1 152 11
Chiselmon NOTE:  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	SANTIAM I-5 SIDE SANTIAM RIVER  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	6000 1.5 3 12 80 21 2 1 66 67 14 1 504	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	4/30/2007 496051 4953491 ation 1  40 25  65 es Collected:  th 111 1 152 11
Chiselmon NOTE:  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 Salmonids	SANTIAM I-5 SIDE SANTIAM RIVER  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers e Sticklebacks	6000 1.5 3 12 80 <b>21</b> 2 1 66 67 14	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	4/30/2007 496051 4953491 ation 1  40 25  65 es Collected:  th 111 1 152 11
Chiselmon NOTE:  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	SANTIAM I-5 SIDE (SANTIAM RIVER)  a (m2) both (m) bepth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks s² CT	6000 1.5 3 12 80 21 2 1 66 67 14 1 504	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	4/30/2007 496051 4953491 ation 1  40 25  65 es Collected:  th 111 1 152 11

Site Name Basin	FOSTER PULLOUT SANTIAM RIVER	POND	Map Code Sampling Date	<b>FOS2M</b> 5/2/2007	
Subbasin	MIDDLE SANTIAM		Location: Zone 10T		4918350
Surface Area	a (m2)	2405	Types of aquatic veget	ation <sup>1</sup>	
Average Dep	oth (m)	1.2	Submergent		80
Maximum Do		2	Emergent		20
			Floating		
Water Temp		13	Algae		
Percent Silt	/ Organics	100	Total		100
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:	
Oregon C	hub	981	Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled	Dace		Common Carp		
Redside S	Shiners		Bluegills		
Northern	Pikeminnows		Largemouth Bass		
Largescal	e Suckers		Pumpkinseeds		
Sand Roll			Crappies		
	e Sticklebacks		Smallmouth Bass		
Salmonide			Banded Killifish		
Lamprey					
Chiselmo	uth				
Chiselmon		E- REINTRODUCTION	Other:  Map Code	GER4L	
Chiselmon NOTE: PO Site Name Basin	GEREN ISLAND NO SANTIAM RIVER		Map Code Sampling Date	5/9/2007	4959900
Chiselmon NOTE: PC Site Name Basin	OPULATION ESTIMAT GEREN ISLAND NO		Map Code Sampling Date Location: Zone 10T	5/9/2007 519371	4959900
Chiselmon NOTE: PC Site Name Basin Subbasin	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM		Map Code Sampling Date	5/9/2007 519371	4959900
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM	RTH CHANNEL	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	5/9/2007 519371	20
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area Average Dep	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m)	RTH CHANNEL 4469	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	5/9/2007 519371	
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum De	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m) epth (m)	<b>RTH CHANNEL</b> 4469  1.8	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating	5/9/2007 519371	20
Chiselmon  NOTE: PC  Site Name Basin Subbasin  Surface Area Average Dep Maximum Dep Water Temp	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m) epth (m) erature (C)	4469 1.8 2.2 7	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae	5/9/2007 519371	20 45
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics	4469 1.8 2.2	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total	5/9/2007 519371 ation <sup>1</sup>	20
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	4469 1.8 2.2 7 90	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	5/9/2007 519371 ation <sup>1</sup>	20 45
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a Native Fish Oregon C	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	4469 1.8 2.2 7 90	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	5/9/2007 519371 ation <sup>1</sup>	20 45
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt Native Fish Oregon C Cottids	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	4469 1.8 2.2 7 90  512 20	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	5/9/2007 519371 ation <sup>1</sup>	20 45
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a Native Fish Oregon C Cottids Speckled	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	4469 1.8 2.2 7 90  512 20 26	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	5/9/2007 519371 ation <sup>1</sup>	20 45 65
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a Native Fish Oregon C Cottids Speckled Redside S	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners	4469 1.8 2.2 7 90  512 20 26 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	5/9/2007 519371 ation <sup>1</sup>	20 45
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum Do Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows	4469 1.8 2.2 7 90  512 20 26 6 43	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	5/9/2007 519371 ation <sup>1</sup>	20 45 65
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum Do Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers	4469 1.8 2.2 7 90  512 20 26 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	5/9/2007 519371 ation <sup>1</sup>	20 45 65
Chiselmon NOTE: PC 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	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) both (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers	4469 1.8 2.2 7 90  512 20 26 6 43	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	5/9/2007 519371 ation <sup>1</sup>	20 45 65
Chiselmon NOTE: PC 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 Threespin	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks	4469 1.8 2.2 7 90  512 20 26 6 43	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	5/9/2007 519371 ation <sup>1</sup>	20 45 65
Chiselmon NOTE: PC Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin Salmonids	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks	4469 1.8 2.2 7 90  512 20 26 6 43	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	5/9/2007 519371 ation <sup>1</sup>	20 45 65
Chiselmon NOTE: PC 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 Threespin	GEREN ISLAND NO SANTIAM RIVER NORTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers le Sticklebacks s 2	4469 1.8 2.2 7 90  512 20 26 6 43	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	5/9/2007 519371 ation <sup>1</sup>	20 45 65

Basin Subbasin	GEREN ISLAND NOR SANTIAM RIVER NORTH SANTIAM	TH POND	Map Code Sampling Date Location: Zone 10T	<b>GER6L</b> 4/18/2007 519371	4959954
Surface Area	a (m2)	20625	Types of aquatic veget	ation 1	
Average De	` '	1	Submergent		50
			Emergent		10
Maximum D		2.5	Floating		10
Water Temp	perature (C)	7	Algae		
Percent Silt	/ Organics	95	Total		60
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:	
Oregon C	hub		Western Mosquitofis	sh	
Cottids			Bullheads		
Speckled	Dace		Common Carp		
Redside S	Shiners		Bluegills		198
Northern	Pikeminnows		Largemouth Bass		
Largescal	le Suckers	2	Pumpkinseeds		
Sand Roll			Crappies		
Threespir	ne Sticklebacks		Smallmouth Bass		
Salmonid			Banded Killifish		
Lamprey					
Chiselmo	uth				
			Other:		
NOTE:					
Site Name	GREEN'S BRIDGE BA	ACKWATER	Map Code	<b>NS14M</b> 4/19/2007	
	NORTH SANTIAM		Sampling Date Location: Zone 10T	502354	4950367
Basin Subbasin Surface Area	NORTH SANTIAM	1970		502354	4950367
Subbasin Surface Area	NORTH SANTIAM a (m2)		Location: Zone 10T  Types of aquatic veget	502354	
Subbasin Surface Area Average De	NORTH SANTIAM  a (m2) pth (m)	0.4	Location: Zone 10T  Types of aquatic veget  Submergent	502354	4950367 65 30
Subbasin Surface Area Average De	NORTH SANTIAM  a (m2) pth (m) epth (m)	0.4	Location: Zone 10T  Types of aquatic veget  Submergent  Emergent	502354	65
Subbasin Surface Area Average De	NORTH SANTIAM  a (m2) pth (m) epth (m)	0.4	Types of aquatic veget  Submergent Emergent Floating	502354	65
Subbasin Surface Area Average De Maximum D Water Temp	NORTH SANTIAM  a (m2) pth (m) epth (m) perature (C)	0.4	Location: Zone 10T  Types of aquatic veget  Submergent  Emergent	502354	65
Subbasin Surface Area Average Del Maximum D Water Temp Percent Silt	NORTH SANTIAM  a (m2) pth (m) epth (m) perature (C)	0.4 1.2 10	Types of aquatic veget  Submergent Emergent Floating Algae	502354 ation <sup>1</sup>	65 30
Subbasin Surface Area Average Del Maximum D Water Temp Percent Silt	NORTH SANTIAM  a (m2) pth (m) epth (m) perature (C) / Organics  Species Collected:	0.4 1.2 10	Types of aquatic veget  Submergent Emergent Floating Algae Total	502354  ation 1	65 30
Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish	NORTH SANTIAM  a (m2) pth (m) epth (m) perature (C) / Organics  Species Collected:	0.4 1.2 10 90	Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	502354  ation 1	65 30
Subbasin  Surface Area Average De Maximum D Water Temp Percent Silt  Native Fish Oregon C	NORTH SANTIAM  a (m2) pth (m) epth (m) perature (C) / Organics Species Collected:	0.4 1.2 10 90	Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	502354  ation 1	65 30 95
Subbasin  Surface Area Average De Maximum D Water Temp Percent Silt  Native Fish Oregon C Cottids	NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	0.4 1.2 10 90 <b>1</b> 19	Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	502354  ation 1	65 30 95
Subbasin  Surface Area Average De Maximum D Water Temp Percent Silt  Native Fish Oregon C Cottids Speckled Redside S	NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	0.4 1.2 10 90 1 19 24	Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	502354  ation 1	65 30 95
Subbasin  Surface Area Average De Maximum D Water Temp Percent Silt  Native Fish Oregon C Cottids Speckled Redside S Northern	NORTH SANTIAM  a (m2) pth (m) epth (m) perature (C) / Organics  Species Collected: Chub  Dace Shiners Pikeminnows	0.4 1.2 10 90 1 19 24	Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	502354  ation 1	65 30 95
Subbasin  Surface Area Average De Maximum D Water Temp Percent Silt  Native Fish Oregon C Cottids Speckled Redside S Northern	NORTH SANTIAM  a (m2) pth (m) epth (m) perature (C) / Organics  Species Collected: Chub  Dace Shiners Pikeminnows le Suckers	0.4 1.2 10 90 1 19 24 13	Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	502354  ation 1	65 30 95
Subbasin  Surface Area Average De Maximum D Water Temp Percent Silt  Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	NORTH SANTIAM  a (m2) pth (m) perth (m) perature (C) / Organics  Species Collected: Chub  Dace Shiners Pikeminnows le Suckers lers	0.4 1.2 10 90 1 19 24 13	Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	502354  ation 1	65 30 95
Subbasin  Surface Area Average De Maximum D Water Temp Percent Silt  Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir	NORTH SANTIAM  a (m2) pth (m) perth (m) perature (C) / Organics  Species Collected: Chub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	0.4 1.2 10 90 1 19 24 13	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	502354  ation 1	65 30 95
Subbasin  Surface Area Average De Maximum D Water Temp Percent Silt  Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir Salmonids	NORTH SANTIAM  a (m2) pth (m) perth (m) perature (C) / Organics  Species Collected: Chub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	0.4 1.2 10 90 1 19 24 13	Types of aquatic veget Submergent Emergent Floating Algae Total Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	502354  ation 1	65 30 95
Subbasin  Surface Area Average De Maximum D Water Temp Percent Silt  Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir Salmonida Lamprey	NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics  Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks s² CT	0.4 1.2 10 90 1 19 24 13	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 Banded Killifish	502354  ation 1	65 30 95
Subbasin  Surface Area Average De Maximum D Water Temp Percent Silt  Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespir Salmonids	NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics  Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks s² CT	0.4 1.2 10 90 1 19 24 13	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	502354  ation 1	65 30 95

Basin	MEHAMA SLOUGH SANTIAM RIVER		Map Code Sampling Date	<b>MEHAMA1</b> 10/2/2007
Subbasin	NORTH SANTIAM		Location: Zone 10T	528256 4958866
Surface Area	a (m2)	1050	Types of aquatic veget	ation <sup>1</sup>
Average De	pth (m)	0.5	Submergent	35
Maximum De	epth (m)	0.9	Emergent	30
		12	Floating	0
Water Temp			Algae	35
Percent Silt	/ Organics	65	Total	100
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:
Oregon C	hub		Western Mosquitofis	sh
Cottids		1	Bullheads	
Speckled	Dace	16	Common Carp	
Redside S	Shiners	41	Bluegills	
Northern	Pikeminnows		Largemouth Bass	
Largescal	e Suckers		Pumpkinseeds	
Sand Roll	ers		Crappies	
Threespin	ne Sticklebacks		Smallmouth Bass	
Salmonide			Banded Killifish	
Lamprey				
Chiselmo	uth			
			Other:	
Site Name	PIONEER PARK BAG		Map Code	PION3K 5/15/2007
Site Name Basin			Map Code Sampling Date Location: Zone 10T	PION3K 5/15/2007 516950 4960250
Site Name Basin Subbasin	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM		Sampling Date	5/15/2007 516950 4960250
Site Name Basin Subbasin Surface Area	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM a (m2)	CKWATER 2520	Sampling Date Location: Zone 10T  Types of aquatic veget	5/15/2007 516950 4960250 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM a (m2) pth (m)	2520 0.7	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent	5/15/2007 516950 4960250 ation <sup>1</sup>
Site Name Basin Subbasin Surface Area Average Dep Maximum De	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) epth (m)	2520 0.7 1.2	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent	5/15/2007 516950 4960250 ation 1 15 50
Site Name Basin Subbasin Surface Area Average Dep Maximum De	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) epth (m)	2520 0.7	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	5/15/2007 516950 4960250 ation <sup>1</sup> 15 50 0
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) epth (m)	2520 0.7 1.2	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent	5/15/2007 516950 4960250 ation 1 15 50
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM a (m2) pth (m) epth (m)	2520 0.7 1.2 9	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae	5/15/2007 516950 4960250 ation <sup>1</sup> 15 50 0 35 100
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) eepth (m) erature (C) / Organics  Species Collected:	2520 0.7 1.2 9 55	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	5/15/2007 516950 4960250 ation 1  15 50 0 35 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt Native Fish Oregon C	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) eepth (m) erature (C) / Organics  Species Collected:	2520 0.7 1.2 9 55	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	5/15/2007 516950 4960250 ation 1  15 50 0 35 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a Native Fish Oregon C Cottids	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics  Species Collected:	2520 0.7 1.2 9 55 418 1092	Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	5/15/2007 516950 4960250 ation 1  15 50 0 35 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt Native Fish Oregon C	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace	2520 0.7 1.2 9 55	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	5/15/2007 516950 4960250 ation 1  15 50 0 35 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a Native Fish Oregon C Cottids Speckled Redside S	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace	2520 0.7 1.2 9 55 418 1092 632	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	5/15/2007 516950 4960250 ation 1  15 50 0 35 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum De Water Temp Percent Silt Oregon C Cottids Speckled Redside S Northern	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) eepth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows	2520 0.7 1.2 9 55 418 1092 632	Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	5/15/2007 516950 4960250 ation 1  15 50 0 35 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) eepth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows ee Suckers	2520 0.7 1.2 9 55 418 1092 632	Sampling Date 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	5/15/2007 516950 4960250 ation 1  15 50 0 35 100 es Collected:
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	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) eepth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows ee Suckers eers	2520 0.7 1.2 9 55 418 1092 632	Sampling Date 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	5/15/2007 516950 4960250 ation 1  15 50 0 35 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum Dependent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) eepth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows le Suckers lers le Sticklebacks	2520 0.7 1.2 9 55 418 1092 632	Sampling Date 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	5/15/2007 516950 4960250 ation 1  15 50 0 35 100 es Collected:
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 Threespin	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) eepth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows le Suckers lers le Sticklebacks	2520 0.7 1.2 9 55 418 1092 632	Sampling Date 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	5/15/2007 516950 4960250 ation 1  15 50 0 35 100 es Collected:
Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin Salmonids Lamprey	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows le Suckers lers lee Sticklebacks les 2	2520 0.7 1.2 9 55 418 1092 632	Sampling Date 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	5/15/2007 516950 4960250 ation 1  15 50 0 35 100 es Collected:
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 Threespin	PIONEER PARK BAC SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows le Suckers lers lee Sticklebacks les 2	2520 0.7 1.2 9 55 418 1092 632	Sampling Date 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	5/15/2007 516950 4960250 ation 1  15 50 0 35 100 es Collected:

Basin Subbasin	SANTIAM CONS EA SANTIAM RIVER NORTH SANTIAM	SEMENT SCE7	Map Code Sampling Date Location: Zone 10T	<b>SCE7L</b> 5/16/2007 500581 4	1948239
Cabbasiii	HORTHOANTAW				1040203
Surface Are	a (m2)	2000	Types of aquatic veget	ation 1	
Average De	pth (m)	0.5	Submergent		78
Maximum D	epth (m)	1	Emergent		5
Water Temp		14	Floating		2
Percent Silt		100	Algae <i>Total</i>		10 95
	Species Collected:		Non-native Fish Specie	es Collected:	90
Oregon C			Western Mosquitofis		20
Cottids	лио	2	Bullheads	,,,	20
Speckled	Dace	_	Common Carp		
Redside		2	Bluegills		
	Pikeminnows	12	Largemouth Bass		
	le Suckers	1	Pumpkinseeds		
Sand Rol		·	Crappies		
	ne Sticklebacks	96	Smallmouth Bass		
Salmonid			Banded Killifish		
Lamprey	· <del>-</del>		2st.dod (dimor		
Chiselmo	outh				
			Other:		
NOTE:					
Site Name	SOUTH STAYTON P	OND	Map Code	STAY1B	
Basin	SANTIAM RIVER		Sampling Date	5/16/2007	
	NORTH SANTIAM		Location: Zone 10T	515525 4	1958950
Subbasin	1461(111 6) (1411) (101				
Subbasin Surface Are		1200	Types of aquatic veget	ation <sup>1</sup>	
Surface Are	a (m2)	1200 0.9		ation <sup>1</sup>	60
Surface Are Average De	a (m2) pth (m)	0.9	Submergent	ation <sup>1</sup>	60 20
Surface Are Average De Maximum D	a (m2) pth (m) pepth (m)	0.9 1.6	Submergent Emergent	ation <sup>1</sup>	
Surface Are Average De Maximum D	a (m2) pth (m) pepth (m)	0.9	Submergent Emergent Floating	ation <sup>1</sup>	
Surface Are Average De Maximum D Water Temp	a (m2) pth (m) pepth (m) perature (C)	0.9 1.6	Submergent Emergent	ation <sup>1</sup>	20
Surface Are Average De Maximum D Water Temp Percent Silt	a (m2) pth (m) pepth (m) perature (C)	0.9 1.6 19	Submergent Emergent Floating Algae		20
Surface Are Average De Maximum D Water Temp Percent Silt	pth (m) pepth (m) perature (C) / Organics Species Collected:	0.9 1.6 19	Submergent Emergent Floating Algae Total	es Collected:	20
Surface Are Average De Maximum D Water Temp Percent Silt Native Fish	pth (m) pepth (m) perature (C) / Organics Species Collected:	0.9 1.6 19 40	Submergent Emergent Floating Algae Total  Non-native Fish Specie	es Collected:	20
Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C	pa (m2) ppth (m) pepth (m) perature (C) / Organics Species Collected:	0.9 1.6 19 40	Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	es Collected:	20
Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids	pa (m2) ppth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace	0.9 1.6 19 40	Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	es Collected:	20
Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	pa (m2) ppth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace	0.9 1.6 19 40	Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp	es Collected:	20
Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	pa (m2) ppth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace Shiners	0.9 1.6 19 40	Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills	es Collected:	20
Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	a (m2) pth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers	0.9 1.6 19 40	Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass	es Collected:	20
Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largesca Sand Rol	a (m2) pth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers	0.9 1.6 19 40	Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds	es Collected:	20
Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largesca Sand Rol	pa (m2) ppth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	0.9 1.6 19 40	Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies	es Collected:	20
Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largesca Sand Rol Threespir	pa (m2) ppth (m) pepth (m) perature (C) / Organics Species Collected: Chub Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	0.9 1.6 19 40	Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	es Collected:	20
Surface Are Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largesca Sand Rol Threespir	pa (m2) pth (m) pepth (m) perature (C) / Organics Species Collected: Chub  Dace Shiners Pikeminnows le Suckers lers pe Sticklebacks ls 2	0.9 1.6 19 40	Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads Common Carp Bluegills Largemouth Bass Pumpkinseeds Crappies Smallmouth Bass	es Collected:	20

Site Name Basin Subbasin	STAYTON PUBLIC SANTIAM RIVER NORTH SANTIAM	WORKS POND	Map Code Sampling Date Location: Zone 10T	<b>SPWP1I</b> 5/15/2007 516689	, 4959858
Surface Are	a (m2)	1280	Types of aquatic veget	ation 1	
	,	1			97
Average De			Submergent Emergent		3
Maximum D	epth (m)	2	Floating		0
Water Temp	erature (C)	10	Algae		0
Percent Silt	/ Organics	90	Total		100
Native Fish	Species Collected:		Non-native Fish Specie	es Collected	:
Oregon C	hub	266	Western Mosquitofis	sh	100
Cottids		53	Bullheads		
Speckled	Dace	3	Common Carp		
Redside S	Shiners	44	Bluegills		2
Northern	Pikeminnows	12	Largemouth Bass		
Largescal	le Suckers	1	Pumpkinseeds		
Sand Roll			Crappies		
	ne Sticklebacks	1142	Smallmouth Bass		
Salmonid			Banded Killifish		
Lamprey	-				
	uth				
Chiselmo  NOTE: PO	OPULATION ESTIMA		Other:  Map Code Sampling Date	GRAY1L 5/3/2007	
Chiselmo  NOTE: PO  Site Name  Basin	OPULATION ESTIMA			<b>GRAY1L</b> 5/3/2007 513224	4957493
Chiselmo NOTE: PO Site Name Basin Subbasin	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM		Map Code Sampling Date	5/3/2007 513224	4957493
Chiselmo NOTE: PC Site Name Basin Subbasin Surface Area	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM a (m2)	LOUGH	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	5/3/2007 513224	
Chiselmo  NOTE: PO  Site Name Basin Subbasin  Surface Area Average De	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM a (m2) pth (m)	<b>LOUGH</b> 8445 1.2	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	5/3/2007 513224	4957493 33 22
Chiselmo NOTE: PO Site Name Basin Subbasin Surface Area Average De	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m)	8445 1.2 2.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	5/3/2007 513224	33
Chiselmo  NOTE: PO  Site Name Basin Subbasin  Surface Area Average De	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m)	<b>LOUGH</b> 8445 1.2	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	5/3/2007 513224	33
Chiselmo  NOTE: PC  Site Name Basin Subbasin  Surface Are: Average De Maximum D  Water Temp	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C)	8445 1.2 2.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating	5/3/2007 513224	33
Chiselmo NOTE: PO Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C)	8445 1.2 2.5 16	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae	5/3/2007 513224 ation <sup>1</sup>	33 22 55
Chiselmo  NOTE: PO  Site Name Basin Subbasin  Surface Area Average De Maximum D  Water Temp Percent Silt	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) berature (C) / Organics Species Collected:	8445 1.2 2.5 16	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total	5/3/2007 513224 ration <sup>1</sup>	33 22 55
Chiselmo NOTE: PO Site Name Basin Subbasin Surface Are: Average De Maximum D Water Temp Percent Silt Native Fish	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) berature (C) / Organics Species Collected:	8445 1.2 2.5 16 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	5/3/2007 513224 ation <sup>1</sup>	33 22 55
Chiselmo NOTE: PC Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	8445 1.2 2.5 16 100	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis	5/3/2007 513224 ation <sup>1</sup>	33 22 55
Chiselmo NOTE: PC Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	8445 1.2 2.5 16 100 <b>560</b> 36	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie Western Mosquitofis Bullheads	5/3/2007 513224 ation <sup>1</sup>	33 22 55
Chiselmo NOTE: PC Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected:	8445 1.2 2.5 16 100 560 36 16	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	5/3/2007 513224 ation <sup>1</sup>	33 22 55
Chiselmo NOTE: PC Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners	8445 1.2 2.5 16 100 560 36 16	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	5/3/2007 513224 ation <sup>1</sup>	33 22 55
Chiselmo NOTE: PC Site Name Basin Subbasin Surface Area Average De Maximum D Water Temp Percent Silt Native Fish Oregon C Cottids Speckled Redside S Northern	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) eerature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers	8445 1.2 2.5 16 100  560 36 16 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	5/3/2007 513224 ation <sup>1</sup>	33 22 55
Chiselmo NOTE: PO 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	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) eerature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers	8445 1.2 2.5 16 100  560 36 16 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	5/3/2007 513224 ation <sup>1</sup>	33 22 55
Chiselmo NOTE: PO 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	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	8445 1.2 2.5 16 100  560 36 16 3 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	5/3/2007 513224 ation <sup>1</sup>	33 22 55
Chiselmo NOTE: PO 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 Threespir Salmonid	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers ne Sticklebacks	8445 1.2 2.5 16 100  560 36 16 3 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 Smallmouth Bass	5/3/2007 513224 ation <sup>1</sup>	33 22 55
Chiselmo NOTE: PO 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 Threespir	WARREN GRAY S SANTIAM RIVER NORTH SANTIAM  a (m2) pth (m) epth (m) erature (C) / Organics Species Collected: thub  Dace Shiners Pikeminnows le Suckers lers lee Sticklebacks s²	8445 1.2 2.5 16 100  560 36 16 3 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 Smallmouth Bass	5/3/2007 513224 ation <sup>1</sup>	33 22 55

Site Name Basin	S. SANTIAM RIVER SANTIAM RIVER	SIDE CHANNEL	Map Code Sampling Date	<b>SS6A</b> 5/24/2007
Subbasin	SOUTH SANTIAM		Location: Zone 10T	499607 4947588
Surface Area	a (m2)	360	Types of aquatic veget	ation 1
Average De	oth (m)	0.4	Submergent	5
Maximum De	epth (m)	0.7	Emergent	10
Water Temp		11.5	Floating	0
		-	Algae	5
Percent Silt	/ Organics	60	Total	20
Native Fish	Species Collected:		Non-native Fish Specie	es Collected:
Oregon C	hub		Western Mosquitofis	sh
Cottids		15	Bullheads	
Speckled		1	Common Carp	
Redside S	Shiners	21	Bluegills	5
Northern	Pikeminnows	26	Largemouth Bass	
Largescal	e Suckers	1	Pumpkinseeds	
Sand Roll	ers		Crappies	
Threespin	e Sticklebacks	61	Smallmouth Bass	
Salmonide		4	Banded Killifish	
Lamprey				
Chiselmo	uth TY OF ALBANY PROF	PERTY	Other:	
Chiselmo			Other:  Map Code Sampling Date	<b>ALB2</b> 5/24/2007
Chiselmon NOTE: CI Site Name	TY OF ALBANY PROP		Map Code	
Chiselmon NOTE: CI Site Name Basin	TY OF ALBANY PROP  S. SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM		Map Code Sampling Date	5/24/2007 499516 494779
Chiselmon NOTE: CI Site Name Basin Subbasin	S. SANTIAM RIVER SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM	SIDE CHNL PND	Map Code Sampling Date Location: Zone 10T	5/24/2007 499516 494779
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep	S. SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  (m2)  oth (m)	SIDE CHNL PND  650	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget	5/24/2007 499516 494779:
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum De	S. SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m)	650 0.5 0.7	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent	5/24/2007 499516 4947793 action <sup>1</sup>
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp	S. SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C)	650 0.5 0.7 11.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent	5/24/2007 499516 4947793 aation <sup>1</sup> 5 10
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep	S. SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C)	650 0.5 0.7	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating	5/24/2007 499516 4947793 aation <sup>1</sup> 5 10 0
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt	S. SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C)	650 0.5 0.7 11.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae	5/24/2007 499516 4947793 <b>ation</b> 1 5 10 0 5 20
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt	S. SANTIAM RIVER SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	650 0.5 0.7 11.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total	5/24/2007 499516 4947793 aation <sup>1</sup> 5 10 0 5 20 es Collected:
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a	S. SANTIAM RIVER SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected:	650 0.5 0.7 11.5	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget  Submergent Emergent Floating Algae Total  Non-native Fish Specie	5/24/2007 499516 4947793 aation <sup>1</sup> 5 10 0 5 20 es Collected:
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a Native Fish Oregon C	S. SANTIAM RIVER SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub	650 0.5 0.7 11.5 90	Map Code Sampling Date Location: Zone 10T  Types of aquatic veget Submergent Emergent Floating Algae Total  Non-native Fish Specie	5/24/2007 499516 4947793 aation <sup>1</sup> 5 10 0 5 20 es Collected:
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt Native Fish Oregon C Cottids	S. SANTIAM RIVER SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace	650 0.5 0.7 11.5 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	5/24/2007 499516 4947793 aation <sup>1</sup> 5 10 0 5 20 es Collected:
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a Native Fish Oregon C Cottids Speckled Redside S	S. SANTIAM RIVER SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace	650 0.5 0.7 11.5 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	5/24/2007 499516 4947793 sation <sup>1</sup> 5 10 0 5 20 es Collected:
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a Native Fish Oregon C Cottids Speckled Redside S	S. SANTIAM RIVER SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows	650 0.5 0.7 11.5 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	5/24/2007 499516 4947793 sation <sup>1</sup> 5 10 0 5 20 es Collected:
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum Do Water Temp Percent Silt Oregon C Cottids Speckled Redside S Northern Largescal	S. SANTIAM RIVER SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers	650 0.5 0.7 11.5 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	5/24/2007 499516 4947793 sation <sup>1</sup> 5 10 0 5 20 es Collected:
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum Dependent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll	S. SANTIAM RIVER SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers	650 0.5 0.7 11.5 90 4 5 200 102	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	5/24/2007 499516 4947793 sation <sup>1</sup> 5 10 0 5 20 es Collected:
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum Dependent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	S. SANTIAM RIVER SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks	650 0.5 0.7 11.5 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	5/24/2007 499516 4947793 sation <sup>1</sup> 5 10 0 5 20 es Collected:
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum Dep Water Temp Percent Silt a Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin Salmonids	S. SANTIAM RIVER SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers ee Sticklebacks	650 0.5 0.7 11.5 90 4 5 200 102	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	5/24/2007 499516 4947793 sation <sup>1</sup> 5 10 0 5 20 es Collected:
Chiselmon NOTE: CI Site Name Basin Subbasin Surface Area Average Dep Maximum Dependent Silt Native Fish Oregon C Cottids Speckled Redside S Northern Largescal Sand Roll Threespin	S. SANTIAM RIVER SANTIAM RIVER SANTIAM RIVER SOUTH SANTIAM  a (m2) oth (m) epth (m) erature (C) / Organics  Species Collected: hub  Dace Shiners Pikeminnows e Suckers ers le Sticklebacks s²	650 0.5 0.7 11.5 90 4 5 200 102	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	5/24/2007 499516 4947793 sation <sup>1</sup> 5 10 0 5 20 es Collected:

Site Name	S. SANTIAM RIVER S	SLOUGH	Map Code	ALB3	
Basin Subbasin	SANTIAM RIVER SOUTH SANTIAM		Sampling Date Location: Zone 10T	5/24/2007 499480 4947797	
Surface Are	a (m2)	600	Types of aquatic veget	tation <sup>1</sup>	
Average De	pth (m)	0.5	Submergent	5	
Maximum D	epth (m)	0.7	Emergent	25	
Water Temp	,	14.5	Floating	0	
·	` ,	_	Algae	0	
Percent Silt	/ Organics	75	Total	30	
Native Fish	Species Collected:		Non-native Fish Species Collected:		
Oregon C	Chub		Western Mosquitofis	sh 45	
Cottids		1	Bullheads		
Speckled	Dace	5	Common Carp		
Redside S	Shiners	16	Bluegills	21	
Northern	Pikeminnows		Largemouth Bass		
Largesca	le Suckers		Pumpkinseeds		
Sand Rol	lers		Crappies		
Threespir	ne Sticklebacks	77	Smallmouth Bass		
Salmonid	S <sup>2</sup>		Banded Killifish		
Lamprey					
Chiselmo	uth		Other:		
			otner:		

NOTE: CITY OF ALBANY PROPERTY



3406 Cherry Ave. NE Salem, Oregon 97303