DEPARTMENT OF ECOLOGY
JAN 30 2018
WATER QUALITY PROGRAM

STATE OF WASHINGTON
DEPARTMENT OF AGRICULTURE
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2017 Annual Treatment Report

for aquatic pesticide applications conducted under

NPDES WAG-993001

Prepared by
Pest Program
Washington State Department of Agriculture
January 2018

App. Year	Waterbody Name	County	Targeted Plant	Herbicide Used	Amount Applied	Acres Treated
2017	Yakima River	Benton	Other	Adjuvant(s)	0.8625 Gal	284.62
2017	Yakima River	Benton	Other	Glyphosate	0.9300 Gal	284.62
2017	Columbia River	Chelan	Reed Canary Grass	Glyphosate	1.3800 Gal	1.6
2017	Columbia River	Chelan	Yellow Flag Iris	Triclopyr TEA	0.6255 Gal	1.5
2017	Bagley Creek	Clallam	Knotweeds	Imazapyr	0.0530 Gal	0.78
2017	Big River	Clallam	Knotweeds	Adjuvant(s)	1.8200 Lbs	19.56
2017	Big River	Clallam	Reed Canary Grass	Adjuvant(s)	10.0900 Lbs	3.56
2017	Big River	Clallam	Other	Adjuvant(s)	12.6500 Lbs	12.9
2017	Big River	Clallam	Other	Glyphosate	12.1500 Lbs	12.9
2017	Big River	Clallam	Knotweeds	Glyphosate	5.8900 Lbs	19.56
2017	Big River	Clallam	Knotweeds	Imazapyr	0.3600 Lbs	19.56
2017	Big River	Clallam	Reed Canary Grass	Imazapyr	1.8000 Lbs	3.56
2017	Bogachiel River	Clallam	Knotweeds	Imazapyr	4.6400 Gal	12.4
2017	Bullman Creek	Clallam	Knotweeds	Imazapyr	0.0100 Gal	0.35
2017	Dickey River	Clallam	Knotweeds	Imazapyr	1.4000 Gal	3.75
2017	Dungeness River	Clallam	Other	Adjuvant(s)	0.4900 Gal	15.903
2017	Dungeness River	Clallam	Other	Glyphosate	4.1800 Gal	24.773
2017	Elwha Estuary	Clallam	Loosestrife	Glyphosate	0.0630 Gal	1
2017	Elwha estuary	Clallam	Yellow Flag Iris	Glyphosate	0.0630 Gal	1
2017	Elwha river	Clallam	Other	Triclopyr TEA	0.0930 Gal	20
2017	Elwha river and floodplain	Clallam	Reed Canary Grass	Glyphosate	0.1170 Gal	294.25
2017	Elwha riverbank	Clallam	Knotweeds	Glyphosate	0.0230 Gal	5
2017	Ennis Creek	Clallam	Knotweeds	Imazapyr	0.2450 Gal	15.65
2017	Lees Creek	Clallam	Knotweeds	Imazapyr	0.1380 Gal	7.18
2017	Quillayute River	Clallam	Knotweeds	Imazapyr	3.0800 Gal	8.2
2017	Sol Duc River	Clallam	Knotweeds	Imazapyr	0.0125 Gal	5.6
2017	Sol Duc River	Clallam	Knotweeds	Imazapyr	0.5000 Gal	1.3
2017	Umbrella Creek	Clallam	Reed Canary Grass	Adjuvant(s)	2.7200 Lbs	9.36
2017	Umbrella Creek	Clallam	Reed Canary Grass	Imazapyr	0.4800 Lbs	9.36
2017	Basket Creek	Clark	Knotweeds	Adjuvant(s)	0.1473 Gal	0.0901
2017	Basket Creek	Clark	Knotweeds	Glyphosate	0.3700 Gal	0.7231
2017	Basket Creek	Clark	Knotweeds	Imazapyr	0.2806 Gal	0.8952
2017	Copper Creek	Clark	Knotweeds	Adjuvant(s)	0.0663 Gal	0.091
2017	Copper Creek	Clark	Knotweeds	Glyphosate	0.0317 Gal	0.0455
2017	Copper Creek	Clark	Knotweeds	Imazapyr	0.1325 Gal	0.1365
2017	East Fork Lewis	Clark	Knotweeds	Adjuvant(s)	0.2000 Gal	4.28
2017	East Fork Lewis	Clark	Reed Canary Grass	Adjuvant(s)	0.2000 Gal	4.28
2017	East Fork Lewis	Clark	Other	Adjuvant(s)	1.5980 Gal	61.4
2017	East Fork Lewis	Clark	Reed Canary Grass	Glyphosate	0.0445 Gal	2.14
2017	East Fork Lewis	Clark	Knotweeds	Glyphosate	0.0445 Gal	2.14

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2017	East Fork Lewis	Clark	Other	Glyphosate	0.2227 Gal	10.7
2017	East Fork Lewis	Clark	Knotweeds	Imazapyr	0.0167 Gal	2.14
2017	East Fork Lewis	Clark	Reed Canary Grass	Imazapyr	0.0167 Gal	2.14
2017	East Fork Lewis	Clark	Other	Imazapyr	0.0836 Gal	10.7
2017	East Fork Lewis	Clark	Knotweeds	Triclopyr TEA	0.4109 Gal	2.14
2017	East Fork Lewis	Clark	Reed Canary Grass	Triclopyr TEA	0.4109 Gal	2.14
2017	East Fork Lewis	Clark	Other	Triclopyr TEA	2.8520 Gal	30.7
2017	Fisher Creek	Clark	Other	Triclopyr TEA	206.2500 Gal	2.5
2017	Lower Salmon Creek	Clark	Other	Adjuvant(s)	0.0207 Gal	2.117
2017	Lower Salmon Creek	Clark	Other	Glyphosate	0.0932 Gal	2.117
2017	Woodin	Clark	Other	Adjuvant(s)	0.1867 Gal	5.503
2017	Woodin	Clark	Other	Triclopyr TEA	0.7695 Gal	5.523
2017	Woodin Creek	Clark	Reed Canary Grass	Adjuvant(s)	1.3210 Gal	49.2
2017	Woodin Creek	Clark	Other	Adjuvant(s)	3.0900 Gal	99
2017	Woodin Creek	Clark	Reed Canary Grass	Glyphosate	4.2590 Gal	36.1
2017	Woodin Creek	Clark	Other	Glyphosate	4.9590 Gal	46
2017	Woodin Creek	Clark	Reed Canary Grass	Triclopyr TEA	1.7440 Gal	16.1
2017	Woodin Creek	Clark	Other	Triclopyr TEA	3.8810 Gal	46
2017	Abernathy	Cowlitz	Knotweeds	Imazapyr	0.2500 Gal	15
2017	Cowlitz River	Cowlitz	Knotweeds	Imazapyr	0.1250 Gal	1
2017	Dike Access RD Wetland area	Cowlitz	Reed Canary Grass	Glyphosate	25.0000 Gal	1
2017	Silver Lake	Cowlitz	Loosestrife	Adjuvant(s)	0.0625 Gal	40
2017	Silver Lake	Cowlitz	Loosestrife	Imazapyr	0.2500 Gal	40
2017	Columbia River	Douglas	Loosestrife	Imazapyr	0.1000 Gal	0.4
2017	Columbia River	Grant	Loosestrife	Imazapyr	13.2000 Gal	24.01
2017	Frenchman Wasteway	Grant	Phragmites	Adjuvant(s)	87.0000 Lbs	174
2017	Frenchman Wasteway	Grant	Phragmites	Glyphosate	87.0000 Gal	174
2017	Gloyd Seeps/Mansfield Pond	Grant	Phragmites	Adjuvant(s)	18.0000 Lbs	36
2017	Gloyd Seeps/Mansfield Pond	Grant	Phragmites	Glyphosate	18.0000 Gal	36
2017	QWLA: Evergreen	Grant	Loosestrife	Adjuvant(s)	0.0600 Gal	0.9
2017	QWLA: Evergreen	Grant	Loosestrife	Glyphosate	0.3400 Gal	0.9
2017	TD-1/2/4/6	Grant	Phragmites	Adjuvant(s)	33.0000 Lbs	66

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2017	TD-1/2/4/6	Grant	Phragmites	Glyphosate	33.0000 Gal	66
2017	TD-1/2/4/6	Grant	Phragmites	Imazapyr	8.2500 Gal	66
2017	TD-3/5	Grant	Phragmites	Adjuvant(s)	20.5000 Lbs	20.5
2017	TD-3/5	Grant	Phragmites	Glyphosate	20.5000 Gal	41
2017	Winchester Wasteway	Grant	Yellow Flag Iris	Adjuvant(s)	0.0500 Gal	0.8
2017	Winchester Wasteway	Grant	Yellow Flag Iris	Glyphosate	0.2000 Gal	0.8
2017	Winchester Wasteway	Grant	Phragmites	Glyphosate	147.0000 Gal	294
2017	Winchester Wasteway	Grant	Phragmites	Imazapyr	33.7500 Gal	270
2017	Winchester Wasteways	Grant	Phragmites	Adjuvant(s)	147.0000 Lbs	294
2017	Bowerman Basin	Grays Harbor	Spartina	Glyphosate	0.0025 Gal	0.0013
2017	Bowerman Basin	Grays Harbor	Spartina	Imazapyr	0.0009 Gal	0.0013
2017	Campbell Slough	Grays Harbor	Spartina	Glyphosate	0.0072 Gal	0.0036
2017	Campbell Slough	Grays Harbor	Spartina	Imazapyr	0.0027 Gal	0.0036
2017	Chenois Creek	Grays Harbor	Spartina	Glyphosate	0.0019 Gal	0.0009
2017	Chenois Creek	Grays Harbor	Spartina	Imazapyr	0.0007 Gal	0.0009
2017	Copalis River	Grays Harbor	Spartina	Glyphosate	0.0063 Gal	0.0031
2017	Copalis River	Grays Harbor	Spartina	Imazapyr	0.0023 Gal	0.0031
2017	Elk River	Grays Harbor	Spartina	Glyphosate	0.0016 Gal	0.0008
2017	Elk River	Grays Harbor	Spartina	Imazapyr	0.0006 Gal	0.0008
2017	Grays Harbor	Grays Harbor	Spartina	Adjuvant(s)	0.0064 Gal	0.0043
2017	Grays Harbor	Grays Harbor	Loosestrife	Adjuvant(s)	1.2500 Gal	10
2017	Grays Harbor	Grays Harbor	Spartina	Glyphosate	0.0087 Gal	0.0043
2017	Grays Harbor	Grays Harbor	Loosestrife	Glyphosate	0.5000 Gal	10
2017	Grays Harbor	Grays Harbor	Spartina	Imazapyr	0.0021 Gal	0.0043
2017	Grays Harbor	Grays Harbor	Other	Imazapyr	1.2500 Gal	10
2017	Camano Chapel Retention Pond and Ditch	Island	Other	Glyphosate	0.0150 Gal	0.24
2017	Davis Slough wetland site, Camano Island	Island	Reed Canary Grass	Glyphosate	0.0500 Gal	7
2017	Skagit Bay	Island	Spartina	Adjuvant(s)	0.4888 Gal	0.56
2017	Skagit Bay	Island	Spartina	Glyphosate	0.8500 Gal	0.56
2017	Skagit Bay	Island	Spartina	Imazapyr	0.4972 Gal	0.56
2017	Triangle Cove	Island	Spartina	Adjuvant(s)	0.0201 Gal	0.0175
2017	Triangle Cove	Island	Spartina	Glyphosate	0.0350 Gal	0.0175
2017	Triangle Cove	Island	Spartina	Imazapyr	0.0204 Gal	0.0175
2017	Big Quilcene	Jefferson	Knotweeds	Imazapyr	0.2600 Gal	375
2017	Dosewallips	Jefferson	Knotweeds	Imazapyr	0.0650 Gal	1348
2017	Goodman Creek	Jefferson	Other	Glyphosate	0.1385 Gal	0.5634
2017	Goodman Creek	Jefferson	Reed Canary Grass	Glyphosate	1.2140 Gal	6.4567
2017	Goodman Creek	Jefferson	Other	Imazapyr	0.2422 Gal	0.9785

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2017	Goodman Creek	Jefferson	Reed Canary Grass	Imazapyr	2.1292 Gal	11.3241
2017	Hoh River	Jefferson	Reed Canary Grass	Glyphosate	1.6143 Gal	1.5952
2017	Hoh River	Jefferson	Other	Glyphosate	10.2091 Gal	6.294
2017	Hoh River	Jefferson	Knotweeds	Imazapyr	0.0351 Gal	0.1002
2017	Hoh River	Jefferson	Other	Imazapyr	0.0385 Gal	0.0782
2017	Hoh River	Jefferson	Reed Canary Grass	Imazapyr	0.1461 Gal	0.434
2017	Hood Canal	Jefferson	Spartina	Imazapyr	0.0009 Gal	0.0012
2017	Hood Canal	Jefferson	Spartina	Imazapyr	0.0057 Gal	0.0074
2017	Queets River	Jefferson	Knotweeds	Glyphosate	0.0215 Gal	0.0626
2017	Queets River	Jefferson	Reed Canary Grass	Glyphosate	0.4329 Gal	0.5968
2017	Queets River	Jefferson	Other	Glyphosate	1.0275 Gal	9.5009
2017	Queets River	Jefferson	Knotweeds	Imazapyr	0.0396 Gal	0.3166
2017	Queets River	Jefferson	Other	Imazapyr	0.1372 Gal	0.2939
2017	Queets River	Jefferson	Reed Canary Grass	Imazapyr	0.1849 Gal	0.4781
2017	Quinault River	Jefferson	Other	Glyphosate	0.0044 Gal	0.0138
2017	Snahapish River	Jefferson	Other	Glyphosate	0.1765 Gal	1.0302
2017	Snahapish River	Jefferson	Reed Canary Grass	Glyphosate	1.4378 Gal	8.1664
2017	Snahapish River	Jefferson	Other	Imazapyr	0.1678 Gal	0.9797
2017	Snahapish River	Jefferson	Reed Canary Grass	Imazapyr	1.3651 Gal	7.7535
2017	Snow Creek	Jefferson	Knotweeds	Adjuvant(s)	0.0002 Gal	0.005
2017	Snow Creek	Jefferson	Reed Canary Grass	Adjuvant(s)	0.8200 Gal	13.45
2017	Snow Creek	Jefferson	Knotweeds	Glyphosate	0.0010 Gal	0.005
2017	Snow Creek	Jefferson	Reed Canary Grass	Glyphosate	2.8000 Gal	13.45
2017	Sol Duc River	Jefferson	Reed Canary Grass	Glyphosate	0.0079 Gal	0.0459
2017	Tarboo	Jefferson	Knotweeds	Imazapyr	0.0050 Gal	6
2017	15255 SE Fairwood Blvd 98058 Bioswale, Fairwood United	King	Yellow Flag Iris	Adjuvant(s)	0.0460 Gal	0.1
2017	15255 SE Fairwood Blvd 98058 Bioswale, Fairwood United	King	Yellow Flag Iris	Glyphosate	0.0930 Gal	0.1
2017	6838 South234th Street paecel #1322049062, Orchard Properties	King	Reed Canary Grass	Adjuvant(s)	1.5000 Gal	3

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2017	6838 South234th Street paecel #1322049062, Orchard Properties	King	Reed Canary Grass	Glyphosate	3.0000 Gal	3
2017	Bear Creek	King	Other	2,4-D Amine	0.0132 Gal	0.0458
2017	Bear Creek	King	Other	Glyphosate	0.0132 Gal	0.0458
2017	Bear Creek	King	Knotweeds	Glyphosate	0.1300 Gal	68
2017	Bear Creek	King	Knotweeds	Imazapyr	0.5100 Gal	68
2017	Big Soos Creek	King	Knotweeds	Glyphosate	0.1442 Gal	53.4
2017	Boise Creek	King	Knotweeds	Adjuvant(s)	0.0300 Gal	1
2017	Boise Creek	King	Knotweeds	Glyphosate	0.1180 Gal	1
2017	Cedar River	King	Other	Adjuvant(s)	0.0526 Gal	127.9
2017	Cedar River	King	Knotweeds	Adjuvant(s)	0.8612 Gal	248.07
2017	Cedar River	King	Knotweeds	Glyphosate	1.5000 Gal	482
2017	Cedar River	King	Knotweeds	Glyphosate	3.4871 Gal	305.2
2017	Cedar River	King	Knotweeds	Imazapyr	0.0317 Gal	14
2017	Cedar River	King	Knotweeds	Imazapyr	2.0000 Gal	482
2017	Cedar River	King	Other	Triclopyr TEA	0.1051 Gal	127.9
2017	Cedar/Sammamish	King	Other	Glyphosate	0.0170 Gal	0.75
2017	Cedar/Sammamish	King	Knotweeds	Imazapyr	0.5200 Gal	9.17
2017	Cedar/Sammamish	King	Other	Triclopyr TEA	0.1750 Gal	31.08
2017	Crisp Creek	King	Reed Canary Grass	Adjuvant(s)	0.1510 Gal	0.39
2017	Crisp Creek	King	Reed Canary Grass	Glyphosate	0.0340 Gal	0.39
2017	Crisp Creek	King	Reed Canary Grass	Triclopyr TEA	0.1160 Gal	0.39
2017	Duwamish River	King	Knotweeds	Adjuvant(s)	0.5314 Gal	27.0124
2017	Duwamish River	King	Other	Glyphosate	0.9000 Gal	2
2017	Duwamish River	King	Knotweeds	Glyphosate	2.1556 Gal	26.63
2017	Duwamish River	King	Other	Imazapyr	0.0673 Gal	0.2062
2017	Duwamish River	King	Knotweeds	Imazapyr	0.4000 Gal	0.75
2017	Duwamish River	King	Other	Triclopyr TEA	0.4500 Gal	2
2017	Duwamish River Watershed	King	Other	Glyphosate	11.7000 Gal	38
2017	Duwamish River Watershed	King	Other	Imazapyr	0.1070 Gal	38
2017	Duwamish River Watershed	King	Other	Triclopyr TEA	6.9500 Gal	38
2017	Ebright Creek	King	Loosestrife	Adjuvant(s)	0.0750 Gal	3.9198
2017	Ebright Creek	King	Loosestrife	Glyphosate	0.0713 Gal	3.874
2017	Ebright Creek	King	Loosestrife	Imazamox	0.2231 Gal	3.9198
2017	Ebright Creek	King	Loosestrife	Triclopyr TEA	0.0037 Gal	0.0458
2017	Green	King	Other	Glyphosate	0.9700 Gal	31.39
2017	Green	King	Knotweeds	Imazapyr	0.3370 Gal	3.99
2017	Green	King	Other	Triclopyr TEA	0.8800 Gal	19.8
2017	Green River	King	Knotweeds	Adjuvant(s)	0.5785 Gal	50.9577

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2017	Green River	King	Knotweeds	Glyphosate	2.2433 Gal	121.9577
2017	Green River	King	Other	Triclopyr TEA	0.0159 Gal	8
2017	Horse Creek	King	Other	Imazapyr	0.2000 Gal	2
2017	Indian Creek	King	Other	Adjuvant(s)	0.0020 Gal	0.34
2017	Indian Creek	King	Reed Canary Grass	Glyphosate	0.0023 Gal	0.34
2017	Indian Creek	King	Other	Triclopyr TEA	0.0020 Gal	0.14
2017	Issaquah Creek	King	Knotweeds	Imazapyr	1.6700 Gal	4.04
2017	Juanita Creek	King	Knotweeds	Adjuvant(s)	0.0003 Gal	0.14
2017	Juanita Creek	King	Loosestrife	Adjuvant(s)	0.0079 Gal	0.0687
2017	Juanita Creek	King	Knotweeds	Imazapyr	0.0003 Gal	0.14
2017	Juanita Creek	King	Knotweeds	Triclopyr TEA	0.0026 Gal	0.14
2017	Juanita Creek	King	Loosestrife	Triclopyr TEA	0.0238 Gal	0.0687
2017	Kelsey Creek	King	Loosestrife	Adjuvant(s)	0.0158 Gal	0.1145
2017	Kelsey Creek	King	Loosestrife	Triclopyr TEA	0.0238 Gal	0.1145
2017	Kimball Creek	King	Reed Canary Grass	Adjuvant(s)	0.1294 Gal	0.83
2017	Kimball Creek	King	Reed Canary Grass	Glyphosate	0.2589 Gal	0.83
2017	Lake Desire	King	Loosestrife	Adjuvant(s)	0.0267 Gal	0.0913
2017	Lake Desire	King	Loosestrife	Glyphosate	0.0267 Gal	0.0913
2017	Lake Desire	King	Loosestrife	Imazamox	0.0802 Gal	0.0913
2017	Lake Kathleen	King	Loosestrife	Adjuvant(s)	0.0079 Gal	0.0641
2017	Lake Kathleen	King	Loosestrife	Glyphosate	0.0079 Gal	0.0641
2017	Lake Kathleen	King	Loosestrife	Imazamox	0.0238 Gal	0.0641
2017	Lake Killarney	King	Loosestrife	Adjuvant(s)	0.0106 Gal	0.0916
2017	Lake Killarney	King	Loosestrife	Imazapyr	0.0317 Gal	0.0916
2017	Lake Sammamish	King	Loosestrife	Adjuvant(s)	0.0462 Gal	0.1901
2017	Lake Sammamish	King	Loosestrife	Imazamox	0.1333 Gal	0.2201
2017	Lake Sammamish	King	Loosestrife	Imazapyr	0.0125 Gal	0.1901
2017	Lake Sammamish	King	Loosestrife	Triclopyr TEA	0.0125 Gal	0.1901
2017	Lake Sawyer	King	Other	Adjuvant(s)	0.0003 Gal	0.0069
2017	Lake Sawyer	King	Other	Glyphosate	0.0005 Gal	0.0069
2017	lake union	King	Knotweeds	Adjuvant(s)	0.0026 Gal	0.0023
2017	Lake Union	King	Knotweeds	Glyphosate	0.0053 Gal	0.023
2017	Lake Washington	King	Loosestrife	Adjuvant(s)	0.0317 Gal	11.4511
2017	Lake Washington	King	Other	Glyphosate	0.0080 Gal	0.125
2017	Lake Washington	King	Loosestrife	Glyphosate	0.0119 Gal	1.6
2017	Lake Washington	King	Other	Glyphosate	1.1500 Gal	3.5
2017	Lake Washington	King	Other	Glyphosate	1.7770 Gal	36.5
2017	Lake Washington	King	Loosestrife	Imazamox	0.0357 Gal	1.6
2017	Lake Washington	King	Other	Imazapyr	0.2450 Gal	36.5
2017	Lake Washington	King	Loosestrife	Triclopyr TEA	0.0594 Gal	9.8511
2017	Lake Washington	King	Other	Triclopyr TEA	0.4800 Gal	3.5
2017	Lake Washington	King	Other	Triclopyr TEA	0.8180 Gal	36.5
2017	Lake Washington Mount Lake	King	Loosestrife	Imazapyr	0.1900 Gal	0.2

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2017	Little Bear Creek	King	Knotweeds	Imazapyr	0.1950 Gal	1.06
2017	Longfellow Creek	King	Other	Adjuvant(s)	0.0079 Gal	0.4187
2017	Longfellow Creek	King	Other	Glyphosate	0.0158 Gal	0.4187
2017	Luther Burbank Park, North Wetlands	King	Knotweeds	Adjuvant(s)	0.0003 Gal	0.001
2017	Luther Burbank Park, North Wetlands	King	Loosestrife	Adjuvant(s)	0.0070 Gal	0.0007
2017	Luther Burbank Park, North Wetlands	King	Yellow Flag Iris	Adjuvant(s)	0.0090 Gal	0.003
2017	Luther Burbank Park, North Wetlands	King	Knotweeds	Glyphosate	0.0020 Gal	0.001
2017	Luther Burbank Park, North Wetlands	King	Yellow Flag Iris	Glyphosate	0.0300 Gal	0.003
2017	Luther Burbank Park, North Wetlands	King	Knotweeds	Imazapyr	0.0002 Gal	0.001
2017	Luther Burbank Park, North Wetlands	King	Loosestrife	Imazapyr	0.0008 Gal	0.0001
2017	Luther Burbank Park, North Wetlands	King	Loosestrife	Triclopyr TEA	0.0030 Gal	0.0006
2017	Luther Burbank Park, South Wetlands	King	Knotweeds	Adjuvant(s)	0.0003 Gal	0.0001
2017	Luther Burbank Park, South Wetlands	King	Loosestrife	Adjuvant(s)	0.0013 Gal	0.08
2017	Luther Burbank Park, South Wetlands	King	Yellow Flag Iris	Adjuvant(s)	0.0500 Gal	0.01
2017	Luther Burbank Park, South Wetlands	King	Knotweeds	Glyphosate	0.0020 Gal	0.0007
2017	Luther Burbank Park, South Wetlands	King	Yellow Flag Iris	Glyphosate	0.1500 Gal	0.01
2017	Luther Burbank Park, South Wetlands	King	Knotweeds	Imazapyr	0.0001 Gal	0.0007
2017	Luther Burbank Park, South Wetlands	King	Loosestrife	Triclopyr TEA	0.0050 Gal	0.007
2017	Lyons Creek	King	Knotweeds	Adjuvant(s)	0.0127 Gal	0.75

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2017	Lyons Creek	King	Knotweeds	Imazapyr	0.0127 Gal	0.75
2017	Many	King	Reed Canary Grass	Adjuvant(s)	0.1981 Gal	3
2017	Many	King	Knotweeds	Adjuvant(s)	0.2377 Gal	1.25
2017	Many	King	Other	Adjuvant(s)	1.5454 Gal	15.625
2017	Many	King	Other	Glyphosate	0.2377 Gal	2
2017	Many	King	Reed Canary Grass	Glyphosate	0.3963 Gal	3
2017	Many	King	Knotweeds	Imazapyr	0.1981 Gal	1.25
2017	Many	King	Other	Triclopyr TEA	1.4265 Gal	13.625
2017	May Creek	King	Other	Adjuvant(s)	0.7200 Gal	1
2017	May Creek	King	Other	Triclopyr TEA	0.7200 Gal	1
2017	McDonald Creek	King	Reed Canary Grass	Adjuvant(s)	0.1200 Gal	0.23
2017	McDonald Creek	King	Reed Canary Grass	Glyphosate	0.0400 Gal	0.23
2017	McDonald Creek	King	Reed Canary Grass	Triclopyr TEA	0.0800 Gal	0.23
2017	Mercer Slough	King	Loosestrife	Adjuvant(s)	0.0145 Gal	0.0825
2017	Mercer slough	King	Loosestrife	Triclopyr TEA	0.0218 Gal	0.0825
2017	Miller Creek	King	Knotweeds	Adjuvant(s)	0.0028 Gal	0.007
2017	Miller Creek	King	Other	Adjuvant(s)	0.1555 Gal	3.03
2017	Miller Creek	King	Other	Glyphosate	0.0127 Gal	1.01
2017	Miller Creek	King	Knotweeds	Imazapyr	0.0042 Gal	0.007
2017	Miller Creek	King	Other	Triclopyr TEA	0.1598 Gal	3.61
2017	Money Creek	King	Knotweeds	Glyphosate	0.0275 Gal	16
2017	Mont lake Lake Washington	King	Loosestrife	Glyphosate	0.1900 Gal	0.2
2017	Moss Lake	King	Loosestrife	Adjuvant(s)	0.0050 Gal	0.0183
2017	Moss Lake	King	Loosestrife	Glyphosate	0.0050 Gal	0.0183
2017	Moss Lake	King	Loosestrife	Imazamox	0.0150 Gal	0.0183
2017	Mount Lake Lake Washington	King	Loosestrife	Adjuvant(s)	0.0600 Gal	0.2
2017	Newaukum Creek	King	Reed Canary Grass	Adjuvant(s)	0.3259 Gal	2.71
2017	Newaukum Creek	King	Reed Canary Grass	Glyphosate	0.3338 Gal	3.89
2017	Newaukum Creek	King	Other	Triclopyr TEA	0.0898 Gal	0.66
2017	north Lake	King	Loosestrife	Adjuvant(s)	0.0053 Gal	0.0057
2017	north Lake	King	Loosestrife	Imazapyr	0.0396 Gal	0.0587
2017	Panther Lake	King	Loosestrife	Adjuvant(s)	0.0343 Gal	0.1128
2017	Panther Lake	King	Loosestrife	Imazapyr	0.0343 Gal	0.1128
2017	Paradise Lake	King	Loosestrife	Adjuvant(s)	0.0053 Gal	0.0275
2017	Paradise Lake	King	Loosestrife	Triclopyr TEA	0.0158 Gal	0.0275
2017	Phantom Lake	King	Loosestrife	Adjuvant(s)	0.0003 Gal	0.0023
2017	Phantom Lake	King	Loosestrife	Glyphosate	0.0003 Gal	0.0023
2017	Phantom Lake	King	Loosestrife	Imazamox	0.0008 Gal	0.0023
2017	Pine Lake Creek	King	Other	Adjuvant(s)	0.0310 Gal	1.14
2017	Pine Lake Creek	King	Other	Triclopyr TEA	0.0360 Gal	2.28

App. Year	Waterbody Name	County	Targeted Plant	Herbicide Used	Amount Applied	Acres Treated
2017	PSE Auburn Wetlands	King	Reed Canary Grass	Glyphosate	0.2000 Gal	1.7
2017	PSE Auburn Wetlands	King	Other	Triclopyr TEA	0.0400 Gal	1.7
2017	Puget Sound	King	Other	Adjuvant(s)	0.0411 Gal	14.2
2017	Puget Sound	King	Other	Adjuvant(s)	0.0820 Gal	0.22
2017	Puget Sound	King	Other	Glyphosate	0.0352 Gal	0.22
2017	Puget Sound	King	Other	Glyphosate	0.2000 Gal	1
2017	Puget Sound	King	Other	Glyphosate	10.3500 Gal	40
2017	Puget Sound	King	Other	Imazapyr	0.6310 Gal	40
2017	Puget Sound	King	Other	Triclopyr TEA	0.0469 Gal	0.22
2017	Puget Sound	King	Other	Triclopyr TEA	0.0822 Gal	14.2
2017	Puget Sound	King	Other	Triclopyr TEA	0.1000 Gal	1
2017	Puget Sound	King	Other	Triclopyr TEA	5.6900 Gal	40
2017	Raging River	King	Loosestrife	Adjuvant(s)	0.0026 Gal	0.0115
2017	Raging River	King	Loosestrife	Glyphosate	0.0026 Gal	0.0115
2017	Raging River	King	Loosestrife	Imazamox	0.0079 Gal	0.0115
2017	Raging River	King	Knotweeds	Imazapyr	0.2900 Gal	4.06
2017	Ronald Bog	King	Other	2,4-D Amine	0.0053 Gal	0.0183
2017	Ronald Bog	King	Other	Adjuvant(s)	0.0052 Gal	0.0435
2017	Ronald Bog	King	Other	Glyphosate	0.0211 Gal	0.0252
2017	Ronald Bog	King	Other	Imazamox	0.0132 Gal	0.0137
2017	Rutherford Creek	King	Reed Canary Grass	Adjuvant(s)	0.1563 Gal	1.65
2017	Rutherford Creek	King	Reed Canary Grass	Glyphosate	0.0625 Gal	1.65
2017	Rutherford Creek	King	Reed Canary Grass	Triclopyr TEA	0.0938 Gal	1.65
2017	Sammamish River	King	Loosestrife	Adjuvant(s)	0.1902 Gal	0.6363
2017	Sammamish River	King	Loosestrife	Glyphosate	0.1929 Gal	0.6363
2017	Sammamish River	King	Loosestrife	Imazamox	0.5687 Gal	0.6317
2017	Shadow Lake	King	Yellow Flag Iris	Adjuvant(s)	0.0755 Gal	0.2295
2017	Shadow Lake	King	Knotweeds	Glyphosate	0.0330 Gal	0.023
2017	Shadow Lake	King	Yellow Flag Iris	Imazamox	0.1034 Gal	0.2065
2017	Snoqualmie Mainstem	King	Knotweeds	Adjuvant(s)	2.9875 Gal	27.65
2017	Snoqualmie Mainstem	King	Other	Adjuvant(s)	3.3750 Gal	23.1
2017	Snoqualmie Mainstem	King	Knotweeds	Glyphosate	14.0625 Gal	18.7
2017	Snoqualmie Mainstem	King	Knotweeds	Imazapyr	0.8056 Gal	8.95
2017	Snoqualmie Mainstem	King	Other	Triclopyr TEA	4.2188 Gal	23.1
2017	Snoqualmie river	King	Other	Adjuvant(s)	0.0317 Gal	1.7216
2017	Snoqualmie river	King	Loosestrife	Adjuvant(s)	0.1003 Gal	4.0115

App. Year	Waterbody Name	County	Targeted Plant	Herbicide Used	Amount Applied	Acres Treated
2017	Snoqualmie river	King	Knotweeds	Adjuvant(s)	8.4219 Gal	418.468
2017	Snoqualmie river	King	Other	Glyphosate	0.0040 Gal	0.1408
2017	Snoqualmie river	King	Loosestrife	Glyphosate	0.0079 Gal	0.0916
2017	Snoqualmie river	King	Knotweeds	Glyphosate	13.9039 Gal	184.41
2017	Snoqualmie river	King	Knotweeds	Imazamox	0.0225 Gal	0.024
2017	Snoqualmie river	King	Loosestrife	Imazamox	0.1148 Gal	2.74
2017	Snoqualmie river	King	Other	Imazapyr	0.0304 Gal	1.5808
2017	Snoqualmie river	King	Knotweeds	Imazapyr	4.9380 Gal	234.034
2017	Snoqualmie river	King	Other	Triclopyr TEA	0.0304 Gal	1.5808
2017	Snoqualmie river	King	Loosestrife	Triclopyr TEA	0.0759 Gal	3.9199
2017	Snoqualmie Tributary	King	Other	Adjuvant(s)	0.0375 Gal	0.31
2017	Snoqualmie Tributary	King	Yellow Flag Iris	Glyphosate	0.0016 Gal	0.31
2017	Snoqualmie Tributary	King	Other	Triclopyr TEA	0.0375 Gal	0.31
2017	Snoqualmie/Raging/ Tolt/SF Skykomish	King	Other	Glyphosate	0.3200 Gal	0.21
2017	Snoqualmie/Raging/ Tolt/SF Skykomish	King	Knotweeds	Imazapyr	0.9130 Gal	1.79
2017	Snoqualmie/Raging/ Tolt/SF Skykomish	King	Other	Triclopyr TEA	0.0520 Gal	7.44
2017	South Fork Skykomish River	King	Knotweeds	Glyphosate	1.0073 Gal	541
2017	South Fork Snoqualmie Tributary`	King	Other	Triclopyr TEA	0.0016 Gal	0.41
2017	Spring Lake	King	Loosestrife	Glyphosate	0.0971 Gal	0.9
2017	Taylor Creek	King	Other	Adjuvant(s)	0.0079 Gal	0.0687
2017	Taylor Creek	King	Other	Glyphosate	0.0079 Gal	0.0687
2017	Taylor Creek	King	Other	Imazamox	0.0158 Gal	0.0687
2017	Thornton Creek	King	Knotweeds	Adjuvant(s)	0.0793 Gal	0.17
2017	Thornton Creek	King	Knotweeds	Glyphosate	0.1585 Gal	0.17
2017	Tibbetts Creek	King	Other	Glyphosate	0.0100 Gal	0.07
2017	Tibbetts Creek	King	Other	Triclopyr TEA	0.5400 Gal	13.53
2017	Tolt River	King	Other	Adjuvant(s)	0.0469 Gal	0.43
2017	Tolt River	King	Other	Triclopyr TEA	0.0586 Gal	0.43

App. Year	Waterbody Name	County	Targeted Plant	Herbicide Used	Amount Applied	Acres Treated
2017	Totem Lake Wetland	King	Loosestrife	Adjuvant(s)	0.0290 Gal	0.481
2017	Totem Lake Wetland	King	Loosestrife	Triclopyr TEA	0.0871 Gal	0.481
2017	Tye River	King	Knotweeds	Glyphosate	0.0417 Gal	89
2017	Union Bay	King	Phragmites	Adjuvant(s)	0.1584 Gal	0.9164
2017	Union Bay	King	Phragmites	Imazapyr	0.0792 Gal	0.4582
2017	Union Bay Natural Area and Foster Island, Lk. WA	King	Loosestrife	Adjuvant(s)	2.5000 Gal	3
2017	Union Bay Natural Area and Foster Island, Lk. WA	King	Loosestrife	Imazapyr	15.0000 Gal	3
2017	Union Bay Natural Area and Foster Island, Lk. WA	King	Loosestrife	Triclopyr TEA	4.9000 Gal	3
2017	Walker Creek	King	Knotweeds	Adjuvant(s)	0.0028 Gal	0.016
2017	Walker Creek	King	Knotweeds	Imazapyr	0.0067 Gal	0.016
2017	White	King	Knotweeds	Imazapyr	0.1180 Gal	0.126
2017	White	King	Other	Triclopyr TEA	0.0480 Gal	1.75
2017	White River Tributary	King	Other	Adjuvant(s)	0.0390 Gal	0.55
2017	White River Tributary	King	Yellow Flag Iris	Glyphosate	0.0039 Gal	0.14
2017	White River Tributary	King	Other	Triclopyr TEA	0.0390 Gal	0.55
2017	Yellow Lake	King	Other	Adjuvant(s)	0.0106 Gal	0.0229
2017	Yellow Lake	King	Other	Triclopyr TEA	0.0106 Gal	0.0229
2017	Anderson Creek	Kitsap	Knotweeds	Triclopyr TEA	5.0000 Gal	7
2017	Big Anderson	Kitsap	Knotweeds	Imazapyr	0.6230 Gal	157
2017	Big Beef Creek	Kitsap	Knotweeds	Imazapyr	0.1600 Gal	429
2017	Chico creek	Kitsap	Knotweeds	Triclopyr TEA	10.0000 Gal	15
2017	Gorst creek	Kitsap	Knotweeds	Triclopyr TEA	5.0000 Gal	5
2017	little Anderson Creek	Kitsap	Knotweeds	Triclopyr TEA	2.0000 Gal	3
2017	Puget Sound	Kitsap	Other	Glyphosate	0.2500 Gal	0.1
2017	Puget Sound	Kitsap	Other	Triclopyr TEA	0.6875 Gal	0.01
2017	Unnamed creek and lagoon Keyport	Kitsap	Knotweeds	Triclopyr TEA	10.0000 Gal	5
2017	Unnamed estuary Bainbridge island	Kitsap	Loosestrife	Triclopyr TEA	2.0000 Gal	4
2017	unnamed temporary creek	Kitsap	Other	Triclopyr TEA	0.6000 Gal	3
2017	Yukon Harbor	Kitsap	Knotweeds	Triclopyr TEA	0.2500 Gal	0.5

App. Year	Waterbody Name	County	Targeted Plant	Herbicide Used	Amount Applied	Acres Treated
2017	Columbia River	Kittitas	Loosestrife	Imazapyr	1.6600 Gal	6.46
2017	Columbia River and Tributaries	Kittitas	Loosestrife	Imazapyr	3.3000 Gal	13.25
2017	Reecer Creek Habitat Ponds (Rotary Park)	Kittitas	Loosestrife	Imazapyr	0.1250 Gal	0.5
2017	Klickitat River	Klickitat	Other	Adjuvant(s)	0.0100 Gal	2
2017	Klickitat River	Klickitat	Other	Glyphosate	0.0600 Gal	2
2017	Chehalis River & Tributaries	Lewis	Knotweeds	Adjuvant(s)	0.0100 Gal	0.02
2017	Chehalis River & Tributaries	Lewis	Knotweeds	Imazapyr	0.0200 Gal	0.02
2017	Cowlitz River	Lewis	Other	Adjuvant(s)	0.0100 Gal	0.01
2017	Cowlitz River	Lewis	Yellow Flag Iris	Adjuvant(s)	0.0100 Gal	0.02
2017	Cowlitz River	Lewis	Other	Glyphosate	0.0100 Gal	0.01
2017	Cowlitz River	Lewis	Yellow Flag Iris	Imazapyr	0.0100 Gal	0.02
2017	Mineral Cr	Lewis	Knotweeds	Imazapyr	1.3300 Gal	94.9
2017	Nisqually R	Lewis	Knotweeds	Glyphosate	0.0610 Gal	110
2017	Nisqually R	Lewis	Knotweeds	Imazapyr	0.3240 Gal	302
2017	Anderson Creek	Mason	Knotweeds	Adjuvant(s)	0.0038 Gal	0.603
2017	Anderson Creek	Mason	Knotweeds	Glyphosate	1.7045 Gal	1.596
2017	Bear Creek	Mason	Knotweeds	Glyphosate	0.0900 Gal	0.4
2017	Bear Creek	Mason	Knotweeds	Glyphosate	0.3100 Gal	0.41
2017	Coulter Creek	Mason	Knotweeds	Adjuvant(s)	0.0810 Gal	1.95
2017	Coulter Creek	Mason	Knotweeds	Glyphosate	0.6510 Gal	2.56
2017	Coulter Creek	Mason	Knotweeds	Imazapyr	0.0300 Gal	0.45
2017	Dewatto	Mason	Knotweeds	Imazapyr	0.1330 Gal	1827
2017	Finch Creek	Mason	Knotweeds	Adjuvant(s)	0.0296 Gal	0.663
2017	Finch Creek	Mason	Knotweeds	Glyphosate	0.1465 Gal	0.733
2017	Finch Creek	Mason	Knotweeds	Imazapyr	0.0160 Gal	0.333
2017	Finch Creek	Mason	Knotweeds	Triclopyr TEA	0.0115 Gal	0.12
2017	Finch Creek	Mason	Other	Triclopyr TEA	0.0300 Gal	0.14
2017	Hood Canal	Mason	Knotweeds	Imazapyr	0.0001 Gal	1
2017	Little Mission Creek	Mason	Knotweeds	Glyphosate	0.3300 Gal	0.3
2017	Mill & Goldsborough Creeks	Mason	Knotweeds	Adjuvant(s)	0.0900 Gal	0.7
2017	Mill & Goldsborough Creeks	Mason	Knotweeds	Glyphosate	0.1500 Gal	0.2
2017	Mill & Goldsborough Creeks	Mason	Knotweeds	Imazapyr	0.0600 Gal	0.6
2017	Mill Creek	Mason	Other	Adjuvant(s)	0.0150 Gal	3.5
2017	Mill Creek	Mason	Other	Triclopyr TEA	0.0600 Gal	3.5
2017	Mission Creek	Mason	Knotweeds	Glyphosate	0.1850 Gal	0.044

App. Year	Waterbody Name	County	Targeted Plant	Herbicide Used	Amount Applied	Acres Treated
2017	Sherwood Creek	Mason	Knotweeds	Adjuvant(s)	0.0230 Gal	0.89
2017	Sherwood Creek	Mason	Knotweeds	Glyphosate	0.1530 Gal	0.89
2017	Sherwood Creek	Mason	Knotweeds	Imazapyr	0.0130 Gal	0.05
2017	Skokomish River	Mason	Knotweeds	Adjuvant(s)	3.0000 Gal	443
2017	Skokomish River	Mason	Knotweeds	Glyphosate	21.0000 Gal	118
2017	Skokomish River	Mason	Knotweeds	Imazapyr	2.0000 Gal	325
2017	Skookum Creek	Mason	Knotweeds	Adjuvant(s)	0.0490 Gal	0.046
2017	Skookum Creek	Mason	Knotweeds	Glyphosate	0.0010 Gal	0.01
2017	Skookum Creek	Mason	Knotweeds	Imazapyr	0.0800 Gal	0.05
2017	Spencer Lake	Mason	Knotweeds	Glyphosate	0.0040 Gal	0.04
2017	Stimson Creek	Mason	Knotweeds	Adjuvant(s)	0.0030 Gal	1.4
2017	Stimson Creek	Mason	Knotweeds	Glyphosate	0.0400 Gal	1.94
2017	Stimson Creek	Mason	Knotweeds	Imazapyr	0.0030 Gal	1.4
2017	Tahuya	Mason	Knotweeds	Imazapyr	0.0800 Gal	221
2017	Union River	Mason	Knotweeds	Imazapyr	0.6950 Gal	386
2017	Unnamed	Mason	Knotweeds	Adjuvant(s)	0.0010 Gal	0.005
2017	Unnamed	Mason	Knotweeds	Adjuvant(s)	0.0330 Gal	2.2
2017	Unnamed	Mason	Knotweeds	Glyphosate	0.0080 Gal	0.005
2017	Unnamed	Mason	Knotweeds	Glyphosate	0.5190 Gal	2.5
2017	Unnamed	Mason	Knotweeds	Imazapyr	0.0330 Gal	2.2
2017	Methow River	Okanogan	Yellow Flag Iris	Imazapyr	0.0200 Gal	0.05
2017	Baker's Bay	Pacific	Yellow Flag Iris	Glyphosate	2.8000 Gal	1.4
2017	Baker's Bay	Pacific	Yellow Flag Iris	Imazapyr	1.4000 Gal	1.4
2017	McGowan Pond	Pacific	Yellow Flag Iris	Glyphosate	12.0000 Gal	3
2017	McGowan Pond	Pacific	Yellow Flag Iris	Imazapyr	9.0000 Gal	3
2017	Naselle River	Pacific	Knotweeds	Imazapyr	9.2800 Gal	9.28
2017	North Nemah River	Pacific	Knotweeds	Imazapyr	0.5000 Gal	0.5
2017	South Main Flood Control Canal	Pacific	Other	Glyphosate	3.5000 Gal	3.5
2017	Willapa bay	Pacific	Spartina	Adjuvant(s)	0.0143 Gal	1
2017	Willapa Bay	Pacific	Spartina	Adjuvant(s)	0.0155 Gal	0.0103
2017	Willapa Bay	Pacific	Spartina	Glyphosate	0.0207 Gal	0.0103
2017	Willapa Bay	Pacific	Spartina	Glyphosate	0.0286 Gal	1
2017	Willapa Bay	Pacific	Spartina	Imazapyr	0.0052 Gal	0.0103
2017	Willapa Bay	Pacific	Spartina	Imazapyr	0.0143 Gal	1
2017	Willapa Bay	Pacific	Spartina	Imazapyr	11.3400 Gal	113
2017	Willapa River	Pacific	Knotweeds	Imazapyr	19.3000 Gal	19.3
2017	Davis Lake	Pend Oreille	Yellow Flag Iris	Glyphosate	0.0105 Gal	0.0188
2017	Fan Lake	Pend Oreille	Loosestrife	Glyphosate	0.0670 Gal	0.1588
2017	Pend Oreille River	Pend Oreille	Loosestrife	Glyphosate	0.0312 Gal	0.0556
2017	Pend Oreille River	Pend Oreille	Yellow Flag Iris	Glyphosate	0.3212 Gal	0.411
2017	Pend Oreille River	Pend Oreille	Other	Glyphosate	2.3239 Gal	26.671

App. Year	Waterbody Name	County	Targeted Plant	Herbicide Used	Amount Applied	Acres Treated
2017	Chambers Cr	Pierce	Knotweeds	Imazapyr	0.2640 Gal	16.8
2017	Clear Creek	Pierce	Reed Canary Grass	Adjuvant(s)	0.6380 Gal	0.272
2017	Clear Creek	Pierce	Reed Canary Grass	Glyphosate	0.6380 Gal	0.272
2017	Commencement Bay	Pierce	Other	Glyphosate	0.0800 Gal	0.07
2017	Commencement Bay	Pierce	Reed Canary Grass	Glyphosate	0.4500 Gal	4.5
2017	Commencement Bay	Pierce	Other	Glyphosate	1.0100 Gal	21.5
2017	Commencement Bay	Pierce	Poison Hemlock	Glyphosate	1.8900 Gal	12.1
2017	Joe's Creek	Pierce	Knotweeds	Imazapyr	0.1000 Gal	0.11
2017	Mason creek	Pierce	Other	Glyphosate	0.3200 Gal	0.5
2017	Nancy's Ditch (tributary of Clear Cr)	Pierce	Reed Canary Grass	Imazapyr	2.1800 Gal	39
2017	Nisqually R	Pierce	Knotweeds	Glyphosate	0.4300 Gal	201
2017	Nisqually R	Pierce	Knotweeds	Imazapyr	0.2970 Gal	77.3
2017	Ohop Creek and associated wetlands and side channels	Pierce	Yellow Flag Iris	Imazapyr	0.1210 Gal	0.3
2017	Puyallup R	Pierce	Other	Glyphosate	0.0260 Gal	4.79
2017	Puyallup R	Pierce	Knotweeds	Imazapyr	0.0260 Gal	1.89
2017	Salmon Cr	Pierce	Other	Glyphosate	0.0528 Gal	1.46
2017	Salmon Cr	Pierce	Reed Canary Grass	Imazapyr	1.0700 Gal	1.46
2017	South Prairie Cr	Pierce	Other	Glyphosate	3.0600 Gal	12.5
2017	South Prairie Cr	Pierce	Reed Canary Grass	Imazapyr	0.6010 Gal	12.5
2017	South Prairie Cr	Pierce	Knotweeds	Imazapyr	6.8800 Gal	110
2017	Spanaway Creek	Pierce	Knotweeds	Glyphosate	0.1700 Gal	2
2017	Upper Clear Creek Mitigation Site	Pierce	Reed Canary Grass	Adjuvant(s)	0.4453 Gal	10
2017	Upper Clear Creek Mitigation Site	Pierce	Reed Canary Grass	Glyphosate	0.8906 Gal	10
2017	Wilkeson Cr	Pierce	Knotweeds	Imazapyr	3.2400 Gal	57.8
2017	Carpenter Creek	Skagit	Other	Glyphosate	0.0900 Gal	1.83
2017	Colony Creek	Skagit	Other	Glyphosate	0.0500 Gal	4.45
2017	Dunlap Bay	Skagit	Loosestrife	Imazapyr	0.2900 Lbs	7
2017	Dunlap Bay	Skagit	Loosestrife	Triclopyr TEA	1.3050 Lbs	7
2017	Friday Creek	Skagit	Knotweeds	Adjuvant(s)	1.4100 Gal	0.6
2017	Friday Creek	Skagit	Knotweeds	Glyphosate	0.1400 Gal	0.6
2017	Friday Creek	Skagit	Other	Glyphosate	0.1500 Gal	1.54
2017	Friday Creek	Skagit	Knotweeds	Imazapyr	0.0470 Gal	0.6
2017	Friday Creek	Skagit	Knotweeds	Imazapyr	0.1100 Gal	4.62

App. Year	Waterbody Name	County	Targeted Plant	Herbicide Used	Amount Applied	Acres Treated
2017	Grandy Creek	Skagit	Knotweeds	Imazapyr	3.0588 Gal	18.67
2017	Hansen Creek	Skagit	Other	Glyphosate	0.6000 Gal	3.25
2017	Hansen Creek	Skagit	Reed Canary Grass	Glyphosate	210.0000 Gal	15
2017	Lorenzan Creek	Skagit	Other	Glyphosate	0.7500 Gal	0.66
2017	Nookachamps River	Skagit	Other	Glyphosate	0.2600 Gal	4.27
2017	North Fork Skagit River	Skagit	Yellow Flag Iris	Adjuvant(s)	0.2750 Gal	0.12
2017	North Fork Skagit River	Skagit	Yellow Flag Iris	Glyphosate	0.2020 Gal	0.12
2017	North Fork Skagit River	Skagit	Yellow Flag Iris	Imazapyr	0.1100 Gal	0.12
2017	Padilla Bay	Skagit	Spartina	Glyphosate	0.6600 Lbs	58
2017	Padilla Bay	Skagit	Spartina	Imazapyr	0.1830 Lbs	58
2017	Pipeline Creek	Skagit	Other	Imazapyr	0.0100 Gal	0.13
2017	Samish River	Skagit	Knotweeds	Imazapyr	0.1400 Gal	5.48
2017	Samish River	Skagit	Knotweeds	Imazapyr	4.8000 Gal	78.97
2017	Sauk River	Skagit	Other	Glyphosate	0.0070 Gal	0.0001
2017	Sauk River	Skagit	Other	Glyphosate	0.1000 Gal	2.71
2017	Sauk River	Skagit	Knotweeds	Imazapyr	0.0200 Gal	0.0007
2017	Silver Creek	Skagit	Other	Glyphosate	0.0200 Gal	0.3
2017	Skagit Bay	Skagit	Spartina	Adjuvant(s)	0.0144 Gal	0.0125
2017	Skagit Bay	Skagit	Yellow Flag Iris	Adjuvant(s)	0.3750 Gal	0.12
2017	Skagit Bay	Skagit	Other	Adjuvant(s)	27.1168 Gal	21.39
2017	Skagit Bay	Skagit	Spartina	Glyphosate	0.0250 Gal	0.0125
2017	Skagit Bay	Skagit	Yellow Flag Iris	Glyphosate	0.2020 Gal	0.12
2017	Skagit Bay	Skagit	Spartina	Glyphosate	0.6730 Lbs	24.3
2017	Skagit Bay	Skagit	Other	Glyphosate	26.1136 Gal	21.39
2017	Skagit Bay	Skagit	Spartina	Imazapyr	0.0146 Gal	0.0125
2017	Skagit Bay	Skagit	Spartina	Imazapyr	0.1870 Lbs	24.3
2017	Skagit Bay	Skagit	Spartina	Imazapyr	0.2368 Gal	0.052
2017	Skagit Bay	Skagit	Other	Imazapyr	12.6664 Gal	21.39
2017	Skagit River	Skagit	Other	Glyphosate	0.1100 Gal	1.27
2017	Skagit River	Skagit	Other	Glyphosate	0.1160 Gal	0.5
2017	Skagit River	Skagit	Other	Glyphosate	1.0000 Gal	4.2
2017	Skagit River	Skagit	Knotweeds	Imazapyr	0.0010 Gal	0.03
2017	Skagit River	Skagit	Knotweeds	Imazapyr	0.4800 Gal	0.5
2017	South Fork Skagit River	Skagit	Loosestrife	Adjuvant(s)	0.2300 Gal	0.15
2017	South Fork Skagit River	Skagit	Knotweeds	Adjuvant(s)	0.2400 Gal	0.21
2017	South Fork Skagit River	Skagit	Loosestrife	Glyphosate	0.1150 Gal	0.15
2017	South Fork Skagit River	Skagit	Knotweeds	Glyphosate	0.3300 Gal	0.21
2017	South Fork Skagit River	Skagit	Loosestrife	Imazapyr	0.0590 Gal	0.15
2017	South Fork Skagit River	Skagit	Knotweeds	Imazapyr	0.1600 Gal	0.21

App. Year	Waterbody Name	County	Targeted Plant	Herbicide Used	Amount Applied	Acres Treated
2017	Swinomish Channel	Skagit	Spartina	Glyphosate	0.0490 Lbs	40.8
2017	Swinomish Channel	Skagit	Spartina	Imazapyr	0.0140 Lbs	40.8
2017	Thomas Creek	Skagit	Other	Glyphosate	0.3000 Gal	2.93
2017	Wiseman Creek	Skagit	Other	Glyphosate	0.1500 Gal	1.19
2017	Beaver Pond	Skamania	Reed Canary Grass	Adjuvant(s)	0.8500 Gal	6
2017	Beaver Pond	Skamania	Reed Canary Grass	Imazapyr	0.8500 Gal	6
2017	Bog Lake	Skamania	Yellow Flag Iris	Adjuvant(s)	0.1500 Gal	1.5
2017	Bog Lake	Skamania	Yellow Flag Iris	Imazapyr	0.1500 Gal	1.5
2017	Canyon Creek	Skamania	Knotweeds	Adjuvant(s)	0.0300 Gal	0.18
2017	Canyon Creek	Skamania	Knotweeds	Glyphosate	0.0300 Gal	0.18
2017	Canyon Creek	Skamania	Knotweeds	Imazapyr	0.0150 Gal	0.18
2017	Collins Creek	Skamania	Knotweeds	Adjuvant(s)	0.2130 Gal	1.5
2017	Collins Creek	Skamania	Knotweeds	Glyphosate	0.1050 Gal	1.5
2017	Collins Creek	Skamania	Knotweeds	Imazapyr	0.2100 Gal	1.5
2017	Kanaka Creek	Skamania	Knotweeds	Adjuvant(s)	0.0080 Gal	0.06
2017	Kanaka Creek	Skamania	Knotweeds	Glyphosate	0.0125 Gal	0.06
2017	Kanaka Creek	Skamania	Knotweeds	Imazapyr	0.0100 Gal	0.06
2017	Little Creek	Skamania	Reed Canary Grass	Adjuvant(s)	0.0200 Gal	0.06
2017	Little Creek	Skamania	Other	Adjuvant(s)	0.0940 Gal	0.5
2017	Little Creek	Skamania	Reed Canary Grass	Glyphosate	0.0400 Gal	0.06
2017	Little Creek	Skamania	Other	Triclopyr TEA	0.1800 Gal	0.5
2017	Rand Lake	Skamania	Yellow Flag Iris	Adjuvant(s)	0.3400 Gal	0.5
2017	Rand Lake	Skamania	Yellow Flag Iris	Imazapyr	0.3400 Gal	0.5
2017	Trout Creek	Skamania	Other	Adjuvant(s)	0.1550 Gal	1
2017	Trout Creek	Skamania	Reed Canary Grass	Adjuvant(s)	0.1700 Gal	0.5
2017	Trout Creek	Skamania	Reed Canary Grass	Glyphosate	0.0680 Gal	0.5
2017	Trout Creek	Skamania	Other	Triclopyr TEA	0.1430 Gal	1
2017	Washougal River	Skamania	Knotweeds	Adjuvant(s)	0.1930 Gal	8
2017	Washougal River	Skamania	Knotweeds	Glyphosate	0.3950 Gal	8
2017	Washougal River	Skamania	Knotweeds	Imazapyr	0.1800 Gal	8
2017	Wauna, Evergreen, Black, Little Black, and Hazel Lakes	Skamania	Yellow Flag Iris	Adjuvant(s)	20.0900 Lbs	8
2017	Wauna, Evergreen, Black, Little Black, and Hazel Lakes	Skamania	Yellow Flag Iris	Glyphosate	14.5800 Lbs	8

App. Year	Waterbody Name	County	Targeted Plant	Herbicide Used	Amount Applied	Acres Treated
2017	Wauna, Evergreen, Black, Little Black, and Hazel Lakes	Skamania	Yellow Flag Iris	Imazamox	8.1000 Lbs	8
2017	White Salmon	Skamania	Yellow Flag Iris	Adjuvant(s)	0.0250 Gal	0.18
2017	White Salmon	Skamania	Yellow Flag Iris	Glyphosate	0.0250 Gal	0.18
2017	White Salmon	Skamania	Yellow Flag Iris	Imazapyr	0.0250 Gal	0.18
2017	Wind River	Skamania	Other	Adjuvant(s)	0.1100 Gal	0.18
2017	Wind River	Skamania	Other	Glyphosate	0.2000 Gal	0.18
2017	Wind River	Skamania	Other	Triclopyr TEA	0.0100 Gal	0.18
2017	Woodard Creek	Skamania	Knotweeds	Adjuvant(s)	0.0160 Gal	0.06
2017	Woodard Creek	Skamania	Other	Adjuvant(s)	0.1400 Gal	0.5
2017	Woodard Creek	Skamania	Knotweeds	Glyphosate	0.0140 Gal	0.06
2017	Woodard Creek	Skamania	Knotweeds	Imazapyr	0.0150 Gal	0.06
2017	Woodard Creek	Skamania	Other	Imazapyr	0.0210 Gal	0.25
2017	Woodard Creek	Skamania	Other	Triclopyr TEA	0.1230 Gal	0.5
2017	Bear Creek	Snohomish	Yellow Flag Iris	Glyphosate	0.2600 Gal	14
2017	Bear Creek	Snohomish	Yellow Flag Iris	Imazapyr	0.1300 Gal	14
2017	Beverly Creek	Snohomish	Knotweeds	Imazapyr	0.0570 Gal	0.06
2017	Cherry Valley	Snohomish	Yellow Flag Iris	Adjuvant(s)	0.0468 Gal	0.08
2017	Cherry Valley	Snohomish	Yellow Flag Iris	Glyphosate	0.0625 Gal	0.08
2017	Cherry Valley	Snohomish	Yellow Flag Iris	Imazapyr	0.0312 Gal	0.08
2017	Church Creek	Snohomish	Other	Adjuvant(s)	0.0234 Gal	1.6
2017	Church Creek	Snohomish	Other	Triclopyr TEA	0.0293 Gal	1.6
2017	Jim Creek Wetland	Snohomish	Yellow Flag Iris	Glyphosate	0.0900 Gal	0.25
2017	North and South Fork Stillaguamish River	Snohomish	Knotweeds	Glyphosate	8.1000 Gal	55.72
2017	North and South Fork Stillaguamish River	Snohomish	Knotweeds	Imazapyr	4.2200 Gal	55.72
2017	North Creek	Snohomish	Other	Glyphosate	1.1000 Gal	1.5
2017	North Creek	Snohomish	Other	Triclopyr TEA	0.8000 Gal	1.5
2017	North Fork Stillaguamish	Snohomish	Knotweeds	Adjuvant(s)	0.5500 Gal	2.2
2017	North Fork Stillaguamish	Snohomish	Knotweeds	Imazapyr	0.5500 Gal	2.2
2017	Pilchuck River	Snohomish	Knotweeds	Glyphosate	14.4600 Gal	44.56
2017	Pilchuck River	Snohomish	Knotweeds	Imazapyr	2.1700 Gal	44.56
2017	Port Gardener and Tulalip Bay	Snohomish	Spartina	Glyphosate	0.2500 Gal	130.42
2017	Port Gardener and Tulalip Bay	Snohomish	Spartina	Imazapyr	0.1800 Gal	130.42
2017	Sauk River	Snohomish	Other	Glyphosate	0.1600 Gal	0.75
2017	Sauk River	Snohomish	Knotweeds	Imazapyr	1.0500 Gal	2.5
2017	Skagit Bay	Snohomish	Spartina	Adjuvant(s)	0.1610 Gal	0.14

App. Year	Waterbody Name	County	Targeted Plant	Herbicide Used	Amount Applied	Acres Treated
2017	Skagit Bay	Snohomish	Spartina	Adjuvant(s)	1.3250 Gal	1.1528
2017	Skagit Bay	Snohomish	Spartina	Glyphosate	0.2800 Gal	0.14
2017	Skagit Bay	Snohomish	Spartina	Glyphosate	2.3050 Gal	1.1528
2017	Skagit Bay	Snohomish	Spartina	Imazapyr	0.1638 Gal	0.14
2017	Skagit Bay	Snohomish	Spartina	Imazapyr	1.3484 Gal	1.1528
2017	Skagit Bay and Port Susan	Snohomish	Spartina	Glyphosate	0.9100 Gal	1107.8
2017	Skagit Bay and Port Susan	Snohomish	Spartina	Imazapyr	0.6900 Gal	1107.8
2017	Snohomish River	Snohomish	Knotweeds	Adjuvant(s)	1.3200 Gal	1.12
2017	Snohomish River	Snohomish	Knotweeds	Glyphosate	1.4100 Gal	12.83
2017	Snohomish River	Snohomish	Other	Glyphosate	1.6250 Gal	7.1
2017	Snohomish River	Snohomish	Knotweeds	Glyphosate	1.7400 Gal	1.12
2017	Snohomish River	Snohomish	Knotweeds	Imazapyr	0.8700 Gal	1.12
2017	Snohomish River	Snohomish	Other	Triclopyr TEA	0.2300 Gal	1.8
2017	South Fork Skagit River	Snohomish	Knotweeds	Adjuvant(s)	0.0050 Gal	0.6
2017	South Fork Skagit River	Snohomish	Knotweeds	Glyphosate	0.1000 Gal	0.005
2017	South Fork Skagit River	Snohomish	Knotweeds	Imazapyr	0.0060 Gal	0.005
2017	Steamboat Slough wetland	Snohomish	Phragmites	Glyphosate	0.2000 Gal	0.25
2017	Swamp Creek	Snohomish	Reed Canary Grass	Glyphosate	0.6300 Gal	0.4
2017	Tychman Slough	Snohomish	Other	Adjuvant(s)	0.1875 Gal	2
2017	Tychman Slough	Snohomish	Other	Triclopyr TEA	0.2343 Gal	2
2017	Union Slough	Snohomish	Knotweeds	Adjuvant(s)	0.2900 Gal	0.021
2017	Union Slough	Snohomish	Knotweeds	Imazapyr	0.2900 Gal	0.021
2017	various	Snohomish	Knotweeds	Adjuvant(s)	0.0070 Gal	0.03
2017	Various	Snohomish	Knotweeds	Glyphosate	0.0244 Gal	0.024
2017	Various	Snohomish	Knotweeds	Glyphosate	0.0380 Gal	0.011
2017	Various	Snohomish	Knotweeds	Imazapyr	0.0030 Gal	0.001
2017	Various	Snohomish	Knotweeds	Imazapyr	0.0130 Gal	0.03
2017	Woods Creek	Snohomish	Knotweeds	Adjuvant(s)	0.0078 Gal	0.5
2017	Woods Creek	Snohomish	Other	Adjuvant(s)	0.4453 Gal	13.2
2017	Woods Creek	Snohomish	Knotweeds	Imazapyr	0.0098 Gal	0.5
2017	Woods Creek	Snohomish	Other	Triclopyr TEA	0.5566 Gal	13.2
2017	Black Lake Ditch	Thurston	Yellow Flag Iris	Adjuvant(s)	0.0003 Gal	0.1
2017	Black Lake Ditch	Thurston	Yellow Flag Iris	Imazapyr	0.0025 Gal	0.1
2017	Black River	Thurston	Loosestrife	Adjuvant(s)	0.0188 Gal	10
2017	Black River	Thurston	Loosestrife	Imazapyr	0.0571 Gal	10
2017	Capitol Lake	Thurston	Yellow Flag Iris	Imazapyr	0.1000 Gal	0.1
2017	Capitol Lake	Thurston	Loosestrife	Imazapyr	0.2500 Gal	0.5
2017	Deschutes River	Thurston	Knotweeds	Adjuvant(s)	0.5364 Gal	49.8
2017	Deschutes River	Thurston	Knotweeds	Adjuvant(s)	3.3000 Lbs	2.19
2017	Deschutes River	Thurston	Knotweeds	Imazapyr	1.3946 Gal	49.8
2017	Deschutes River	Thurston	Knotweeds	Imazapyr	3.3000 Lbs	2.19
2017	Deschutes River Ranch Wetland	Thurston	Reed Canary Grass	Adjuvant(s)	30.1300 Lbs	26

App. Year	Waterbody Name	County	Targeted Plant	Herbicide Used	Amount Applied	Acres Treated
2017	Deschutes River Ranch Wetland	Thurston	Reed Canary Grass	Glyphosate	65.6100 Lbs	26
2017	Lawrence Lake	Thurston	Yellow Flag Iris	Adjuvant(s)	3.0771 Gal	30.44
2017	Lawrence Lake	Thurston	Yellow Flag Iris	Imazapyr	4.3232 Gal	30.44
2017	Long Lake	Thurston	Other	Adjuvant(s)	0.1250 Gal	10
2017	Long Lake	Thurston	Other	Imazapyr	0.2500 Gal	10
2017	PEM Wetland, draining to Black Lake Ditch	Thurston	Knotweeds	Adjuvant(s)	0.0006 Gal	0.1
2017	PEM Wetland, draining to Black Lake Ditch	Thurston	Knotweeds	Imazapyr	0.0051 Gal	0.1
2017	PEMf Wetland, drainage to Bloom's Ditch	Thurston	Yellow Flag Iris	Adjuvant(s)	0.0002 Gal	0.1
2017	PEMf Wetland, drainage to Bloom's Ditch	Thurston	Yellow Flag Iris	Imazapyr	0.0007 Gal	0.1
2017	PFO Wetland, drainage to Ellis Creek	Thurston	Yellow Flag Iris	Adjuvant(s)	0.0006 Gal	0.1
2017	PFO Wetland, drainage to Ellis Creek	Thurston	Yellow Flag Iris	Imazapyr	0.0051 Gal	0.1
2017	PFO/PSS Wetland, drainage to Deschutes River	Thurston	Yellow Flag Iris	Adjuvant(s)	0.0094 Gal	0.2
2017	PFO/PSS Wetland, drainage to Deschutes River	Thurston	Yellow Flag Iris	Imazapyr	0.0762 Gal	0.2
2017	PSS/Emf Wetland, drainage into Johnson Creek	Thurston	Yellow Flag Iris	Adjuvant(s)	0.0001 Gal	0.1
2017	PSS/Emf Wetland, drainage into Johnson Creek	Thurston	Yellow Flag Iris	Imazapyr	0.0006 Gal	0.1
2017	Unnamed Class 3 Stream, drainage to Allen Creek	Thurston	Yellow Flag Iris	Adjuvant(s)	0.0025 Gal	0.1
2017	Unnamed Class 3 Stream, drainage to Allen Creek	Thurston	Yellow Flag Iris	Imazapyr	0.0102 Gal	0.1
2017	Woodard Creek	Thurston	Yellow Flag Iris	Adjuvant(s)	0.0013 Gal	0.1
2017	Woodard Creek	Thurston	Yellow Flag Iris	Imazapyr	0.0102 Gal	0.1
2017	Crooked Creek	Wahkiakum	Yellow Flag Iris	Adjuvant(s)	0.0100 Gal	0.1
2017	Crooked Creek	Wahkiakum	Yellow Flag Iris	Glyphosate	0.0600 Gal	0.1

App. Year	Waterbody Name	County	Targeted Plant	Herbicide Used	Amount Applied	Acres Treated
2017	Elochoman River	Wahkiakum	Reed Canary Grass	Adjuvant(s)	0.0600 Gal	0.75
2017	Elochoman River	Wahkiakum	Reed Canary Grass	Glyphosate	0.1200 Gal	0.75
2017	Elochoman River	Wahkiakum	Reed Canary Grass	Imazapyr	0.1200 Gal	0.75
2017	Grays River	Wahkiakum	Reed Canary Grass	Adjuvant(s)	0.5300 Gal	0.8
2017	Grays River	Wahkiakum	Reed Canary Grass	Glyphosate	3.1800 Gal	0.8
2017	Mill Creek Flood Control	Walla Walla	Reed Canary Grass	Glyphosate	20.0000 Gal	20
2017	Anderson Creek + Tributaries	Whatcom	Knotweeds	Glyphosate	0.3400 Lbs	0.0023
2017	Bellingham Bay + Independent Tributaries	Whatcom	Knotweeds	Glyphosate	9.4500 Lbs	0.0973
2017	Cemetery Creek + Tributaries	Whatcom	Other	Glyphosate	0.0210 Lbs	0.0138
2017	Multiple	Whatcom	Knotweeds	Imazapyr	0.0050 Gal	0.19
2017	Padden Creek + Tributaries	Whatcom	Other	Glyphosate	1.0200 Lbs	1.126
2017	Padden Creek + Tributaries	Whatcom	Knotweeds	Glyphosate	4.0500 Lbs	1.61
2017	Squalicum Creek + Tributaries	Whatcom	Other	Glyphosate	0.0860 Lbs	2
2017	Whatcom Creek + Tributaries	Whatcom	Other	Glyphosate	23.2000 Lbs	10.4
2017	Naches River & its backwater	Yakima	Knotweeds	Imazapyr	0.3310 Gal	0.69
2017	Naches River & its backwater	Yakima	Loosestrife	Triclopyr TEA	0.2230 Gal	0.13
2017	Yakima River & its backwater	Yakima	Loosestrife	Triclopyr TEA	1.9660 Gal	1.11
2017	Yakima River & its backwater	Yakima	Loosestrife	Triclopyr TEA	3.9410 Gal	2.25

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DEPARTMENT OF ECOLOGY
JAN 30 2018
WATER QUALITY PROGRAM

2017 Freshwater Emergent Weed Monitoring Plan

For

Herbicide Applications to Freshwater Emergent Noxious and Quarantine Weeds performed under the Noxious Weed National Pollutant Discharge Elimination System (NPDES) Permit WAG9993001

Prepared by

Washington State Department of Agriculture
Pest Program
January 2018

Signatory Page

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiries of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

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Washington State Department of Agriculture