DEPARTMENT OF ECOLOGY
JAN 30 2014
WATER QUALITY PROGRAM

2013 Annual Treatment Report

for aquatic pesticide applications conducted under

NPDES WAG-993000

Prepared by
Pest Program
Washington State Department of Agriculture
January 2013

Washington State Department of Ecology

Aquatic Noxious Weed Annual Treatment Report Data

Report Generated on: 1/30/2014 11:33:49 AM

Herbicide Used	Application Year	Waterbody Name	County	Targeted Plant	Amount Applied	Acres Treated
2,4-D Amine						
	2013	Bell Creek	Clallam	Poison Hemlock	1.6700 Gal	11.0000
	2013	Alexander Avenue Wetland (EB-1B)	Pierce	Other	0.1700 Gal	0.1700
	2013	GogLeHiTe Wetland	Pierce	Knotweeds	0.0700 Gal	0.2500
	2013	Fish Lake Trail Right-of-Way	Spokane	Knotweeds	13.0000 Gal	5.2000
				Gal Total	14.9100 Gal	16.6200
	2013	Chelan basin	Chelan	None	0.0000 None	0.0000
	2013	Entiat	Chelan	None	0.0000 None	0.0000
	2013	Wenatchee River/Columbia River	Chelan	None	0.0000 None	0.0000
	2013	Wenatchee River/Columbia River	Douglas	None	0.0000 None	0.0000
	2013	Puget Sound	Island	None	0.0000 None	0.0000
				None Total	0.0000 None	0.0000
				Total Acres Treated by Herbicide		16.6200
Adjuvant(s)						
	2013	Cougar Creek	Clark	Knotweeds	0.0081 Gal	1.8100
	2013	East Fork Lewis River	Clark	Knotweeds	0.0078 Gal	0.0873
	2013	Mill Creek	Clark	Other	0.0469 Gal	1.5000
	2013	Mill Creek	Clark	Reed Canary Grass	1.3125 Gal	11.2500
	2013	Morgan Creek	Clark	Knotweeds	0.0258 Gal	1.3498
	2013	Rock Creek	Clark	Other	0.0031 Gal	0.2640
	2013	Rock Creek	Clark	Knotweeds	0.1483 Gal	45.6128

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2013	Salmon Creek	Clark	Other	3.4342 Gal	56.8900
2013	Salmon Creek	Clark	Knotweeds	0.0673 Gal	18.5634
2013	Salmon Creek	Clark	Poison Hemlock	0.0716 Gal	14.0000
2013	Salmon Creek	Clark	Reed Canary Grass	1.8125 Gal	9.1000
2013	Woodin Creek	Clark	Knotweeds	0.0086 Gal	0.2891
2013	Abernathy Creek	Cowlitz	Knotweeds	0.2500 Gal	2.0000
2013	Coweeman River	Cowlitz	Knotweeds	5.5000 Gal	7.0000
2013	Monahan Creek	Cowlitz	Knotweeds	0.2900 Gal	3.0000
2013	Toutle River	Cowlitz	Knotweeds	0.0800 Gal	0.2500
2013	WB-10 Wasteway	Franklin	Phragmites	31.2500 Gal	125.0000
2013	Beverly Burke Road	Grant	Phragmites	3.7500 Gal	15.0000
2013	Burke Lake	Grant	Loosestrife	0.0500 Gal	0.2000
2013	Burke Lake	Grant	Phragmites	0.0250 Gal	0.1000
2013	Evergreen Resevoir	Grant	Loosestrife	0.1750 Gal	0.7000
2013	Frenchman Wasteway	Grant	Phragmites	112.7500 Gal	450.0000
2013	Frog Ponds	Grant	Phragmites	7.5000 Gal	30.0000
2013	Gloyd Seeps	Grant	Reed Canary Grass	5.0000 Gal	20.0000
2013	Gloyd Seeps	Grant	Phragmites	10.0000 Gal	40.0000
2013	Gloyd Seeps	Grant	Other	3.7500 Gal	15.0000
2013	Headquarters CBWA	Grant	Phragmites	0.0750 Gal	0.6000
2013	Lower Crab Creek	Grant	Phragmites	18.7500 Gal	75.0000
2013	TD-01/TD-02	Grant	Phragmites	7.5000 Gal	30.0000

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2013	Winchester Lake	Grant	Phragmites	3.7500 Gal	15.0000
2013	Winchester Wasteway	Grant	Phragmites	117.5000 Gal	470.0000
2013	Chehalis River	Grays Harbor	Other	2.6200 Gal	1.8000
2013	Chehalis River	Grays Harbor	Other	0.1050 Gal	0.0700
2013	Grays Harbor	Grays Harbor	Phragmites	4.8000 Gal	4.8200
2013	Humptulips River	Grays Harbor	Knotweeds	0.1200 Gal	0.1600
2013	Puget Sound	Island	Phragmites	0.0052 Gal	0.0050
2013	Puget Sound	Island	Spartina	2.5000 Gal	2.4200
2013	Puget Sound	Island	Knotweeds	0.0300 Gal	0.0600
2013	Whidbey and Camano Islands	Island	Spartina	0.8050 Gal	0.8050
2013	All tributaries of the Snohomish River System, including the Snohomish River	King	Other	9.0151 Gal	69.2280
2013	All tributaries of the Snohomish River System, including the Snohomish River	King	Knotweeds	1.5391 Gal	8.5200
2013	Duwamish River	King	Other	0.0050 Gal	0.0460
2013	Indian Creek	King	Reed Canary Grass	0.6100 Gal	0.8600
2013	Mackey Creek	King	Other	0.2300 Gal	1.1800
2013	May Creek	King	Other	0.2400 Gal	0.3200
2013	North Lake	King	Loosestrife	0.0160 Gal	0.0125
2013	Retention pond with outflow to wetlands	King	Reed Canary Grass	0.0500 Gal	0.1600
2013	Snoqualmie River	King	Knotweeds	0.2472 Gal	0.2400
2013	Snoqualmie River Tributary	King	Other	0.0450 Gal	0.2300
2013	Chehalis River & Tributaries	Lewis	Knotweeds	0.0200 Gal	1.3000

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2013	Cispus River & Tributaries	Lewis	Other	0.6400 Gal	56.0000
2013	Cowlitz River & Tributaries	Lewis	Other	0.4000 Gal	45.0000
2013	Finch Creek	Mason	Knotweeds	0.0150 Gal	1.7500
2013	Stimson Creek	Mason	Knotweeds	0.1700 Gal	10.5100
2013	Union River	Mason	Knotweeds	0.1900 Gal	4.5000
2013	Willapa Bay	Pacific	Spartina	0.0344 Gal	0.0344
2013	Willapa Bay	Pacific	Spartina	0.2470 Gal	0.1650
2013	Willapa Bay and tidelands	Pacific	Spartina	0.1500 Gal	0.3000
2013	Alexander Avenue Wetland (EB-1B)	Pierce	Other	0.2500 Gal	0.1700
2013	Clark Creek	Pierce	Knotweeds	0.0180 Gal	0.0200
2013	GogLeHiTe Wetland	Pierce	Knotweeds	0.0100 Gal	0.2500
2013	Minter Creek	Pierce	Knotweeds	0.5000 Gal	0.5000
2013	Salmon Creek	Pierce	Reed Canary Grass	0.3100 Gal	1.2000
2013	Wapato Creek, Drainage Ditch 23	Pierce	Reed Canary Grass	3.7750 Gal	5.6300
2013	Puget Sound	Skagit	Spartina	0.0125 Gal	0.0100
2013	Samish River	Skagit	Knotweeds	0.1100 Gal	0.1100
2013	Samish River Watershed	Skagit	Knotweeds	7.8800 Gal	37.5000
2013	Canyon Creek	Skamania	Knotweeds	0.1700 Gal	14.2500
2013	Columbia River	Skamania	Yellow Flag Iris	0.0700 Gal	0.9600
2013	Columbia River	Skamania	Loosestrife	0.0050 Gal	0.1800
2013	Columbia River	Skamania	Reed Canary Grass	0.3375 Gal	3.5000

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2013	Columbia River	Skamania	Other	0.1250 Gal	2.0000
2013	Little Creek	Skamania	Knotweeds	0.0160 Gal	1.1700
2013	All tributaries of the Snohomish River System, including the Snohomish River	Snohomish	Other	3.9410 Gal	28.4480
2013	All tributaries of the Snohomish River System, including the Snohomish River	Snohomish	Knotweeds	1.0850 Gal	12.4250
2013	All tributaries of the Stillaguamish River System, including the Stillaguamish River.	Snohomish	Other	2.8900 Gal	17.0200
2013	All tributaries of the Stillaguamish River System, including the Stillaguamish River.	Snohomish	Knotweeds	0.0160 Gal	0.0200
2013	Puget Sound	Snohomish	Phragmites	1.7000 Gal	1.6500
2013	Puget Sound	Snohomish	Phragmites	0.0258 Gal	0.0250
2013	Puget Sound	Snohomish	Spartina	1.3300 Gal	1.2900
2013	Puget Sound	Snohomish	Spartina	3.2625 Gal	3.1600
2013	Stilliaguamish River	Snohomish	Knotweeds	0.3000 Gal	0.2950
2013	McCallister Creek	Thurston	Knotweeds	0.0600 Gal	0.2000
2013	Elochoman River	Wahkiakum	Knotweeds	0.2880 Gal	9.0500
2013	Elochoman River	Wahkiakum	Other	0.0320 Gal	0.5000
2013	Grays River	Wahkiakum	Reed Canary Grass	6.0634 Gal	7.6650
2013	Grays River	Wahkiakum	Loosestrife	0.0816 Gal	2.3350
2013	Grays River	Wahkiakum	Other	0.3125 Gal	35.0000
2013	Lake Terrell	Whatcom	Other	0.0008 Gal	0.0008
2013	Lake Terrell	Whatcom	Loosestrife	0.4525 Gal	0.2500

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			Gal Total	395.1708 Gal	1856.8461
2013	Queets River	Grays Harbor	None	0.0000 None	0.0000
2013	Big Creek & Tributaries	Lewis	None	0.0000 None	0.0000
2013	Bunker, Deep Creek	Lewis	None	0.0000 None	0.0000
2013	Dillenbaugh \ Berwick Creek	Lewis	None	0.0000 None	0.0000
2013	Independence Creek	Lewis	None	0.0000 None	0.0000
2013	Lincoln Creek	Lewis	None	0.0000 None	0.0000
2013	Mineral Lake	Lewis	None	0.0000 None	0.0000
2013	Mineral, Roundtop Creek	Lewis	None	0.0000 None	0.0000
2013	Newaukum River & Tributaries	Lewis	None	0.0000 None	0.0000
2013	Olequa River & Tributaries	Lewis	None	0.0000 None	0.0000
2013	Rainey Creek	Lewis	None	0.0000 None	0.0000
2013	Rock Creek	Lewis	None	0.0000 None	0.0000
2013	Scammon Creek	Lewis	None	0.0000 None	0.0000
2013	Stearns Creek	Lewis	None	0.0000 None	0.0000
2013	Stillman Creek	Lewis	None	0.0000 None	0.0000
2013	Union River	Mason	None	0.0000 None	0.0000
2013	Clover Creek	Pierce	None	0.0000 None	0.0000
2013	Olsen Creek	Whatcom	None	0.0000 None	0.0000
2013	Squalicum Creek	Whatcom	None	0.0000 None	0.0000
2013	Whatcom Creek	Whatcom	None	0.0000 None	0.0000
			None Total	0.0000 None	0.0000
			Total Acres Treated by Herbicide		1856.8461

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Glyphosate

2013	Chelan basin	Chelan	Yellow Flag Iris	0.0625 Gal	0.3000
2013	Lake Chelan	Chelan	Knotweeds	0.0250 Gal	0.0200
2013	Bagley Creek	Clallam	Knotweeds	0.0200 Gal	0.1000
2013	Bell Creek	Clallam	Knotweeds	0.0200 Gal	0.0100
2013	Bell Creek	Clallam	Poison Hemlock	0.1700 Gal	4.0000
2013	Deep Creek	Clallam	Knotweeds	0.0400 Gal	2.0000
2013	Dungeness River	Clallam	Knotweeds	0.0400 Gal	0.5000
2013	Dungeness River	Clallam	Other	0.0400 Gal	0.2500
2013	Dungeness River	Clallam	Reed Canary Grass	0.1900 Gal	2.0000
2013	Nordstrom Creek	Clallam	Other	0.0200 Gal	0.5000
2013	Quillayute Watershed	Clallam	Knotweeds	11.0300 Gal	426.3800
2013	Salt Creek	Clallam	Reed Canary Grass	0.0600 Gal	2.0000
2013	Cougar Creek	Clark	Knotweeds	0.0884 Gal	0.6900
2013	East Fork Lewis River	Clark	Knotweeds	0.5096 Gal	0.0873
2013	Mill Creek	Clark	Reed Canary Grass	5.2500 Gal	11.2500
2013	Morgan Creek	Clark	Knotweeds	0.8216 Gal	1.5032
2013	Rock Creek	Clark	Knotweeds	7.3268 Gal	37.3316
2013	Salmon Creek	Clark	Reed Canary Grass	7.2500 Gal	9.1000
2013	Salmon Creek	Clark	Other	1.8203 Gal	22.9900
2013	Salmon Creek	Clark	Knotweeds	1.7115 Gal	10.7321

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2013	Salmon Creek	Clark	Poison Hemlock	0.2031 Gal	11.0000
2013	Woodin Creek	Clark	Knotweeds	0.3224 Gal	0.2601
2013	Abernathy Creek	Cowlitz	Knotweeds	1.0300 Gal	2.0000
2013	Coweeman River	Cowlitz	Knotweeds	22.0000 Gal	7.0000
2013	Monahan Creek	Cowlitz	Knotweeds	1.1600 Gal	3.0000
2013	Toutle River	Cowlitz	Knotweeds	0.3100 Gal	0.2500
2013	WB-10 Wasteway	Franklin	Phragmites	62.5000 Gal	125.0000
2013	Beverly Burke Road	Grant	Phragmites	7.5000 Gal	15.0000
2013	Burke Lake	Grant	Loosestrife	0.1000 Gal	0.2000
2013	Burke Lake	Grant	Phragmites	0.0500 Gal	0.1000
2013	Evergreen Resevoir	Grant	Loosestrife	0.3500 Gal	0.7000
2013	Frenchman Wasteway	Grant	Phragmites	225.0000 Gal	450.0000
2013	Frog Ponds	Grant	Phragmites	15.0000 Gal	30.0000
2013	Gloyd Seeps	Grant	Reed Canary Grass	10.0000 Gal	20.0000
2013	Gloyd Seeps	Grant	Phragmites	20.0000 Gal	40.0000
2013	Gloyd Seeps	Grant	Other	7.5000 Gal	15.0000
2013	Headquarters CBWA	Grant	Phragmites	0.1500 Gal	0.6000
2013	Lower Crab Creek	Grant	Phragmites	37.5000 Gal	75.0000
2013	TD-01/TD-02	Grant	Phragmites	15.0000 Gal	30.0000
2013	Winchester Lake	Grant	Phragmites	7.5000 Gal	15.0000
2013	Winchester Wasteway	Grant	Phragmites	235.0000 Gal	470.0000
2013	Chehalis River	Grays Harbor	Other	1.8000 Gal	1.8000

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2013	Chehalis River	Grays Harbor	Other	0.0700 Gal	0.0700
2013	Grays Harbor	Grays Harbor	Phragmites	3.6000 Gal	4.8200
2013	Humptulips River	Grays Harbor	Knotweeds	0.1400 Gal	0.1600
2013	Queets River	Grays Harbor	Knotweeds	0.0900 Gal	1.4700
2013	Puget Sound	Island	Phragmites	0.0100 Gal	0.0050
2013	Puget Sound	Island	Spartina	4.8500 Gal	2.4200
2013	Puget Sound	Island	Knotweeds	0.0600 Gal	0.0600
2013	Whidbey and Camano Islands	Island	Spartina	1.6100 Gal	0.8050
2013	Chimacum Creek	Jefferson	Other	0.1200 Gal	0.7000
2013	Chimacum Creek	Jefferson	Reed Canary Grass	2.1600 Gal	4.5000
2013	Chimacum Creek	Jefferson	Reed Canary Grass	2.6000 Gal	5.0000
2013	Dosewallips River	Jefferson	Other	0.6600 Gal	6.0000
2013	Duckabush River	Jefferson	Other	0.1700 Gal	2.0000
2013	Leland Creek	Jefferson	Reed Canary Grass	2.2500 Gal	5.5000
2013	Leland Creek	Jefferson	Reed Canary Grass	2.1000 Gal	3.0000
2013	Little Quilcene River	Jefferson	Knotweeds	0.5000 Gal	1.0000
2013	Little Quilcene River	Jefferson	Reed Canary Grass	0.1800 Gal	0.5000
2013	Spencer Creek	Jefferson	Knotweeds	0.3200 Gal	4.0000
2013	A Street Wetland Site	King	Reed Canary Grass	55.5000 Gal	24.0000
2013	AEP Wetland Site	King	Reed Canary	18.2500 Gal	6.0000

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			Grass		
2013	All tributaries of the Snohomish River System, including the Snohomish River	King	Knotweeds	1.2190 Gal	7.0000
2013	All tributaries of the Snohomish River System, including the Snohomish River	King	Other	1.3580 Gal	3.6800
2013	Cedar River	King	Knotweeds	1.5400 Gal	34.0000
2013	Cedar River	King	Other	0.2500 Gal	0.7100
2013	Duwamish River	King	Other	0.0050 Gal	0.0460
2013	Duwamish River	King	Other	0.0238 Gal	0.0689
2013	Fronatge Road Wetland	King	Reed Canary Grass	0.3000 Gal	0.5000
2013	Geodecke North	King	Reed Canary Grass	2.0000 Gal	1.5000
2013	Indian Creek	King	Reed Canary Grass	0.6100 Gal	0.8600
2013	Issaquah Creek	King	Knotweeds	9.2370 Gal	23.2570
2013	Kiwanis Ravine	King	Other	0.0634 Gal	0.3905
2013	Longfellow Creek	King	Other	0.0338 Gal	0.5060
2013	Luther Burbank Park, north wetland	King	Yellow Flag Iris	0.0630 Gal	0.4400
2013	Luther Burbank Park, north wetland	King	Knotweeds	0.0050 Gal	0.0700
2013	Mackey Creek	King	Other	0.2300 Gal	1.1800
2013	May Creek	King	Other	0.2400 Gal	0.3200
2013	Miller Creek	King	Knotweeds	0.0079 Gal	0.0011
2013	Miller Creek	King	Reed Canary Grass	1.9700 Gal	35.0000
2013	Mohawk Plastics	King	Reed Canary	3.7000 Gal	4.0000

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			Grass		
2013	Raging River	King	Knotweeds	8.1925 Gal	18.0100
2013	Retention pond with outflow to wetlands	King	Reed Canary Grass	0.0500 Gal	0.1600
2013	Sammamish River	King	Other	0.0400 Gal	0.1000
2013	Skykomish River	King	Knotweeds	4.1400 Gal	5.4424
2013	Snoqualmie River	King	Knotweeds	0.4800 Gal	0.2400
2013	Snoqualmie River -south fork	King	Knotweeds	1.7800 Gal	2.1171
2013	Snoqualmie River Tributary	King	Other	0.0450 Gal	0.2300
2013	Snoqualmie River-middle fork	King	Knotweeds	0.0310 Gal	0.0433
2013	South Fork Snoqualmie	King	Knotweeds	1.9580 Gal	2.5420
2013	Spring Lake	King	Yellow Flag Iris	0.1208 Gal	0.6800
2013	Spring Lake	King	Loosestrife	0.0320 Gal	0.1700
2013	various	King	Knotweeds	0.5000 Gal	0.1100
2013	various	King	Knotweeds	1.1500 Gal	0.2400
2013	various	King	Knotweeds	0.2000 Gal	0.0400
2013	various	King	Loosestrife	0.1800 Gal	0.0500
2013	Wetland adjacent to Lake Washington	King	Reed Canary Grass	0.0600 Gal	0.3000
2013	Puget Sound shoreline	Kitsap	Other	0.2700 Gal	0.0800
2013	Chehalis River & Tributaries	Lewis	Knotweeds	0.0400 Gal	1.3000
2013	Cranberry Creek	Mason	Knotweeds	0.0100 Gal	0.3600
2013	Deer Creek	Mason	Knotweeds	0.1200 Gal	0.3200
2013	Finch Creek	Mason	Knotweeds	2.4700 Gal	4.0700

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2013	Finch Creek	Mason	Other	0.2000 Gal	1.1000
2013	Goldsborough Creek	Mason	Knotweeds	0.0200 Gal	0.0100
2013	Goldsborough Creek	Mason	Other	0.0600 Gal	0.0300
2013	Hamma Hamma	Mason	Other	0.0940 Gal	0.6500
2013	Hood Canal	Mason	Knotweeds	0.3800 Gal	1.0000
2013	North Bay	Mason	Knotweeds	0.3400 Gal	1.0000
2013	Oakland Bay	Mason	Yellow Flag Iris	0.2644 Gal	3.5100
2013	Oakland Bay	Mason	Knotweeds	0.2300 Gal	0.1000
2013	Oakland Bay	Mason	Other	0.0030 Gal	0.0700
2013	Shelton Creek	Mason	Yellow Flag Iris	0.0400 Gal	0.0200
2013	Shelton Creek	Mason	Knotweeds	0.3600 Gal	1.0000
2013	Sherwood Creek	Mason	Knotweeds	3.2300 Gal	4.0000
2013	Skokomish River	Mason	Knotweeds	16.8400 Gal	178.0800
2013	Skookum Creek	Mason	Knotweeds	2.3760 Gal	35.7900
2013	Spencer Lake	Mason	Knotweeds	0.0800 Gal	0.8400
2013	Stimson Creek	Mason	Knotweeds	4.6600 Gal	11.1100
2013	Union River	Mason	Knotweeds	6.0500 Gal	4.5000
2013	Union River	Mason	Reed Canary Grass	0.2600 Gal	0.7400
2013	Waketickeh Creek	Mason	Knotweeds	0.3000 Gal	2.0000
2013	Willapa Bay	Pacific	Spartina	0.0692 Gal	0.0344
2013	Willapa Bay	Pacific	Spartina	0.3300 Gal	0.1650
2013	Willapa Bay and tidelands	Pacific	Spartina	0.6000 Gal	0.3000

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2013	Davis Lake	Pend Oreille	Yellow Flag Iris	0.0008 Gal	0.0002
2013	Fan Lake	Pend Oreille	Loosestrife	0.0013 Gal	0.0031
2013	Pend Oreille River	Pend Oreille	Yellow Flag Iris	0.1152 Gal	0.2048
2013	Pend Oreille River	Pend Oreille	Loosestrife	0.0034 Gal	0.0060
2013	Celebration Park	Pierce	Other	0.3280 Gal	0.1000
2013	Commencement Bay	Pierce	Knotweeds	1.2500 Gal	0.1000
2013	Commencement Bay	Pierce	Reed Canary Grass	0.1109 Gal	0.7500
2013	Commencement Bay	Pierce	Knotweeds	0.0580 Gal	0.0545
2013	Commencement Bay	Pierce	Other	0.2600 Gal	0.3460
2013	Commencement Bay	Pierce	Reed Canary Grass	2.2800 Gal	1500.0000
2013	First Creek	Pierce	Other	1.7500 Gal	3.7190
2013	Flett Creek	Pierce	Other	1.0000 Gal	0.1000
2013	Hylebos Creek	Pierce	Knotweeds	0.2500 Gal	0.1000
2013	Minter Creek	Pierce	Knotweeds	0.4350 Gal	0.5000
2013	Murray Creek	Pierce	Reed Canary Grass	0.2500 Gal	1.7000
2013	Salmon Creek	Pierce	Reed Canary Grass	0.3800 Gal	1.2000
2013	Silver, Meeker, Clarks creeks	Pierce	Reed Canary Grass	2.7000 Gal	2.3000
2013	South Prairie Creek	Pierce	Knotweeds	1.6000 Gal	2.0000
2013	Swan Creek	Pierce	Knotweeds	0.1600 Gal	0.1000
2013	Wapato Creek, Drainage Ditch 23	Pierce	Reed Canary Grass	6.4250 Gal	5.6300

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2013	White River/Salmon Creek	Pierce	Knotweeds	0.9700 Gal	9.5000
2013	Lake McMurry	Skagit	Yellow Flag Iris	0.4000 Gal	0.2500
2013	Padilla Bay	Skagit	Spartina	0.0320 Gal	18.0000
2013	Puget Sound	Skagit	Spartina	0.0200 Gal	0.0100
2013	Samish River	Skagit	Knotweeds	0.2200 Gal	0.1100
2013	Samish River Watershed	Skagit	Knotweeds	16.0500 Gal	37.5000
2013	Sauk River	Skagit	Knotweeds	13.2800 Gal	3.6000
2013	Skagit and Similk Bays	Skagit	Spartina	0.0090 Gal	23.0000
2013	Columbia River	Skamania	Yellow Flag Iris	0.1400 Gal	0.9600
2013	Columbia River	Skamania	Loosestrife	0.0100 Gal	0.1800
2013	Columbia River	Skamania	Reed Canary Grass	2.4000 Gal	3.5000
2013	Columbia River	Skamania	Other	0.7500 Gal	2.0000
2013	All tributaries of the Snohomish River System, including the Snohomish River	Snohomish	Knotweeds	3.9610 Gal	12.4250
2013	Lower Stillaguamish/Port Susan Bay	Snohomish	Spartina	0.2970 Gal	0.5290
2013	Lower Stillaguamish/Port Susan Bay	Snohomish	Knotweeds	0.1172 Gal	0.2080
2013	Lower Stillaguamish/Port Susan Bay	Snohomish	Yellow Flag Iris	0.4688 Gal	0.8330
2013	Lower Stillaguamish/Port Susan Bay	Snohomish	Phragmites	0.4734 Gal	0.8420
2013	Lower Stillaguamish/Port Susan Bay	Snohomish	Other	0.0469 Gal	0.0830
2013	NF Stillaguamish River	Snohomish	Knotweeds	3.5000 Gal	14.0000
2013	North and South Forks Stillagaumish River	Snohomish	Knotweeds	11.0000 Gal	29.7000
2013	North Creek	Snohomish	Knotweeds	0.2800 Gal	2.0000

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2013	Pilchuck River	Snohomish	Knotweeds	15.9000 Gal	24.3000
2013	Puget Sound	Snohomish	Phragmites	3.3000 Gal	1.6500
2013	Puget Sound	Snohomish	Phragmites	0.0500 Gal	0.0250
2013	Puget Sound	Snohomish	Spartina	2.5700 Gal	1.2900
2013	Puget Sound	Snohomish	Spartina	6.3200 Gal	3.1600
2013	SE Skagit Bay to North Port Susan Bay	Snohomish	Spartina	3.0000 Gal	321.0000
2013	Skykomish River	Snohomish	Knotweeds	6.0000 Gal	5.0000
2013	Snohomish Estuary	Snohomish	Phragmites	0.4000 Gal	0.2500
2013	Snohomish River	Snohomish	Knotweeds	0.2600 Gal	2.0000
2013	Stilliaguamish River	Snohomish	Knotweeds	0.5900 Gal	0.2950
2013	Sultan River	Snohomish	Other	6.0000 Gal	8.0000
2013	Sultan River	Snohomish	Knotweeds	0.3000 Gal	1.0000
2013	Tulalip Bay / Port Gardner	Snohomish	Spartina	0.1300 Gal	88.6000
2013	McCallister Creek	Thurston	Knotweeds	0.0800 Gal	0.2000
2013	Elochoman River	Wahkiakum	Knotweeds	1.7280 Gal	9.0500
2013	Elochoman River	Wahkiakum	Other	0.1920 Gal	0.5000
2013	Grays River	Wahkiakum	Loosestrife	0.4896 Gal	2.3350
2013	Grays River	Wahkiakum	Other	1.1719 Gal	35.0000
2013	Grays River	Wahkiakum	Reed Canary Grass	9.3804 Gal	7.6650
2013	Mill Creek Flood Control	Walla Walla	Reed Canary Grass	20.0000 Gal	10.0000
2013	Touchet River	Walla Walla	Other	120.0000 Gal	150.0000
2013	Arnold (Mud) Slough	Whatcom	Reed Canary	1.7250 Gal	3.0700

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			Grass		
2013	Bender Road Ditch	Whatcom	Reed Canary Grass	0.7000 Gal	1.2500
2013	Benson Road Ditch	Whatcom	Reed Canary Grass	0.5300 Gal	0.9400
2013	Bone Creek	Whatcom	Reed Canary Grass	2.2500 Gal	4.0000
2013	California Creek and Tributary/Lateral Ditches	Whatcom	Reed Canary Grass	2.1325 Gal	4.1300
2013	Canyon Creek and unnamed tributaries	Whatcom	Knotweeds	0.0100 Gal	0.0220
2013	Cordata School wetlands, Bellingham	Whatcom	Reed Canary Grass	0.1600 Gal	4.0000
2013	Depot Road Ditch	Whatcom	Reed Canary Grass	1.0000 Gal	1.7800
2013	Double Ditch Creek	Whatcom	Reed Canary Grass	9.0000 Gal	2.0000
2013	Duffner Ditch	Whatcom	Reed Canary Grass	0.8750 Gal	1.5600
2013	Fishtrap Creek	Whatcom	Reed Canary Grass	0.1750 Gal	0.3100
2013	Fishtrap Creek and lateral ditches	Whatcom	Reed Canary Grass	0.7700 Gal	1.3600
2013	Johnson Creek and tributary ditches	Whatcom	Reed Canary Grass	7.4000 Gal	13.1500
2013	Kamm Creek	Whatcom	Reed Canary Grass	2.0600 Gal	3.6700
2013	Lake Terrell	Whatcom	Other	0.0016 Gal	0.0008
2013	Lake Whatcom Tiller wetland	Whatcom	Reed Canary Grass	0.0240 Gal	0.1100

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2013	Lake Whatcom Zoerink small wetland complex	Whatcom	Reed Canary Grass	0.1100 Gal	0.5000
2013	Moorman Ditch	Whatcom	Reed Canary Grass	2.0600 Gal	3.6700
2013	Olsen Creek	Whatcom	Knotweeds	0.0050 Gal	0.0020
2013	Saar Creek	Whatcom	Reed Canary Grass	2.6750 Gal	4.7600
2013	Scott Ditch and Elder Ditch	Whatcom	Reed Canary Grass	8.6250 Gal	11.0400
2013	Sleasman Ditch No.1	Whatcom	Reed Canary Grass	1.6100 Gal	2.8600
2013	Small wetland near USCBP HQ	Whatcom	Reed Canary Grass	0.0600 Gal	0.2500
2013	South Fork Deer Creek	Whatcom	Reed Canary Grass	1.2500 Gal	1.3000
2013	Squalicum Creek	Whatcom	Other	0.0750 Gal	0.0500
2013	Squalicum Creek Irongate Wetland	Whatcom	Knotweeds	0.0003 Gal	0.1000
2013	Tarte Ditch (Campbell Creek) & Lateral Ditches	Whatcom	Reed Canary Grass	1.0000 Gal	1.7500
2013	Unnamed District Ditches	Whatcom	Reed Canary Grass	1.2500 Gal	1.5000
2013	Whatcom Creek	Whatcom	Knotweeds	0.0020 Gal	0.0010
			Gal Total	1202.4032 Gal	4730.4474
2013	Unnamed Water Body	Klickitat	Reed Canary Grass	4.5900 Lbs	0.9500
2013	Unnamed Water Body	Skamania	Reed Canary Grass	0.8100 Lbs	0.3000
2013	Unnamed Water Body	Spokane	Reed Canary Grass	2.1100 Lbs	1.0000

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			Lbs Total	7.5100 Lbs	2.2500
2013	Chumstick Creek	Chelan	None	0.0000 None	0.0000
2013	Columbia River	Chelan	None	0.0000 None	0.0000
2013	Entiat	Chelan	None	0.0000 None	0.0000
2013	Entiat River	Chelan	None	0.0000 None	0.0000
2013	Icicle River	Chelan	None	0.0000 None	0.0000
2013	Mission Creek	Chelan	None	0.0000 None	0.0000
2013	Nason Creek	Chelan	None	0.0000 None	0.0000
2013	Peshastin Creek	Chelan	None	0.0000 None	0.0000
2013	Wenatchee R. Tribs	Chelan	None	0.0000 None	0.0000
2013	Wenatchee River	Chelan	None	0.0000 None	0.0000
2013	Wenatchee River/Columbia River	Chelan	None	0.0000 None	0.0000
2013	Parcel 2 & 1A	Clark	None	0.0000 None	0.0000
2013	Wenatchee River/Columbia River	Douglas	None	0.0000 None	0.0000
2013	Auburn Mitigation Area	King	None	0.0000 None	0.0000
2013	Des Moines Creek	King	None	0.0000 None	0.0000
2013	Green River	King	None	0.0000 None	0.0000
2013	Snoqualmie /Raging/ Skykomish	King	None	0.0000 None	0.0000
2013	Walker Creek	King	None	0.0000 None	0.0000
2013	Whilte River	King	None	0.0000 None	0.0000
2013	Big Creek & Tributaries	Lewis	None	0.0000 None	0.0000
2013	Bunker, Deep Creek	Lewis	None	0.0000 None	0.0000
2013	Cispus River & Tributaries	Lewis	None	0.0000 None	0.0000

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2013	Dillenbaugh \ Berwick Creek	Lewis	None	0.0000 None	0.0000
2013	Independence Creek	Lewis	None	0.0000 None	0.0000
2013	Lincoln Creek	Lewis	None	0.0000 None	0.0000
2013	Mineral Lake	Lewis	None	0.0000 None	0.0000
2013	Mineral, Roundtop Creek	Lewis	None	0.0000 None	0.0000
2013	Newaukum River & Tributaries	Lewis	None	0.0000 None	0.0000
2013	Olequa River & Tributaries	Lewis	None	0.0000 None	0.0000
2013	Rainey Creek	Lewis	None	0.0000 None	0.0000
2013	Rock Creek	Lewis	None	0.0000 None	0.0000
2013	Scammon Creek	Lewis	None	0.0000 None	0.0000
2013	Stearns Creek	Lewis	None	0.0000 None	0.0000
2013	Stillman Creek	Lewis	None	0.0000 None	0.0000
2013	Clover Creek	Pierce	None	0.0000 None	0.0000
2013	Dunlap Bay	Skagit	None	0.0000 None	0.0000
2013	North Fork Skagit River Mouth	Skagit	None	0.0000 None	0.0000
2013	South Swinomish Channel	Skagit	None	0.0000 None	0.0000
2013	LIttle Bear Creek	Snohomish	None	0.0000 None	0.0000
2013	Little Bear Creek	Snohomish	None	0.0000 None	0.0000
2013	Pilchuck Creek	Snohomish	None	0.0000 None	0.0000
2013	Swamp Creek	Snohomish	None	0.0000 None	0.0000
2013	Woods Creek	Snohomish	None	0.0000 None	0.0000
2013	30th ST Creek	Whatcom	None	0.0000 None	0.0000
2013	36th ST Creek	Whatcom	None	0.0000 None	0.0000

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2013	Anderson Creek	Whatcom	None	0.0000 None	0.0000
2013	Baker Creek	Whatcom	None	0.0000 None	0.0000
2013	Bug Lake	Whatcom	None	0.0000 None	0.0000
2013	Cammack Creek	Whatcom	None	0.0000 None	0.0000
2013	Cemetery Creek	Whatcom	None	0.0000 None	0.0000
2013	Connelly Creek	Whatcom	None	0.0000 None	0.0000
2013	Consolidation Creek	Whatcom	None	0.0000 None	0.0000
2013	Cougar Creek	Whatcom	None	0.0000 None	0.0000
2013	Dewey Creek	Whatcom	None	0.0000 None	0.0000
2013	Dumas Creek	Whatcom	None	0.0000 None	0.0000
2013	E Consolidation Creek	Whatcom	None	0.0000 None	0.0000
2013	Ella Creek	Whatcom	None	0.0000 None	0.0000
2013	Euclid Creek	Whatcom	None	0.0000 None	0.0000
2013	Fever Creek	Whatcom	None	0.0000 None	0.0000
2013	Geneva Pond	Whatcom	None	0.0000 None	0.0000
2013	Grandy Creek small tributaries	Whatcom	None	0.0000 None	0.0000
2013	Hannah Creek	Whatcom	None	0.0000 None	0.0000
2013	Hannah Creek	Whatcom	None	0.0000 None	0.0000
2013	Horsefield Creek	Whatcom	None	0.0000 None	0.0000
2013	Interurban Creek	Whatcom	None	0.0000 None	0.0000
2013	James St. Creek	Whatcom	None	0.0000 None	0.0000
2013	Knox Creek	Whatcom	None	0.0000 None	0.0000
2013	Lake Padden	Whatcom	None	0.0000 None	0.0000

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2013	Lincoln Creek	Whatcom	None	0.0000 None	0.0000
2013	Little Squalicum Creek	Whatcom	None	0.0000 None	0.0000
2013	Lower Fever Creek	Whatcom	None	0.0000 None	0.0000
2013	Michigan Creek	Whatcom	None	0.0000 None	0.0000
2013	Mill Wheel Creek	Whatcom	None	0.0000 None	0.0000
2013	Moore Creek	Whatcom	None	0.0000 None	0.0000
2013	N Fork Baker Creek	Whatcom	None	0.0000 None	0.0000
2013	Padden Creek	Whatcom	None	0.0000 None	0.0000
2013	Park Creek	Whatcom	None	0.0000 None	0.0000
2013	Racine Creek	Whatcom	None	0.0000 None	0.0000
2013	S Fork Baker Creek	Whatcom	None	0.0000 None	0.0000
2013	San Juan Creek	Whatcom	None	0.0000 None	0.0000
2013	Semiahmoo Bay	Whatcom	None	0.0000 None	0.0000
2013	South Lincoln Creek	Whatcom	None	0.0000 None	0.0000
2013	Spring Creek	Whatcom	None	0.0000 None	0.0000
2013	St Clair Creek	Whatcom	None	0.0000 None	0.0000
2013	St Paul Creek	Whatcom	None	0.0000 None	0.0000
2013	Sunset Pond	Whatcom	None	0.0000 None	0.0000
2013	Sylvan Creek	Whatcom	None	0.0000 None	0.0000
2013	Taylor Creek	Whatcom	None	0.0000 None	0.0000
2013	Taylor Pond	Whatcom	None	0.0000 None	0.0000
2013	Trib V	Whatcom	None	0.0000 None	0.0000
2013	Trib W	Whatcom	None	0.0000 None	0.0000

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	2013	Unnamed Chandler's tiny creek, Bellingham Bay	Whatcom	None	0.0000 None	0.0000
	2013	West Cemetery Creek	Whatcom	None	0.0000 None	0.0000
	2013	West Fork Spring Creek	Whatcom	None	0.0000 None	0.0000
	2013	Willow Spring	Whatcom	None	0.0000 None	0.0000
				None Total	0.0000 None	0.0000
				Total Acres Treated by Herbicide		4732.6974
Imazamox						
	2013	Sammamish River	King	Loosestrife	0.0212 Gal	0.0092
				Gal Total	0.0212 Gal	0.0092
	2013	Puget Sound	Island	None	0.0000 None	0.0000
				None Total	0.0000 None	0.0000
				Total Acres Treated by Herbicide		0.0092
Imazapyr						
	2013	Chumstick Creek	Chelan	Knotweeds	0.0260 Gal	0.0300
	2013	Columbia River	Chelan	Knotweeds	0.1690 Gal	0.3380
	2013	Columbia River	Chelan	Loosestrife	0.0625 Gal	0.2500
	2013	Entiat River	Chelan	Knotweeds	0.0060 Gal	0.0080
	2013	Icicle River	Chelan	Knotweeds	0.0180 Gal	0.0190
	2013	Lake Chelan	Chelan	Knotweeds	0.1230 Gal	0.1450
	2013	Mission Creek	Chelan	Knotweeds	0.1060 Gal	0.1380
	2013	Nason Creek	Chelan	Knotweeds	0.0120 Gal	0.0130
	2013	Peshastin Creek	Chelan	Knotweeds	0.2160 Gal	0.2860

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2013	Wenatchee R. Tribs	Chelan	Knotweeds	0.0650 Gal	0.0860
2013	Wenatchee River	Chelan	Knotweeds	0.3190 Gal	0.4110
2013	Wenatchee River/Columbia River	Chelan	Knotweeds	0.5000 Gal	0.5000
2013	Bagley Creek	Clallam	Other	0.0100 Gal	0.1000
2013	Clallam River	Clallam	Knotweeds	0.0800 Gal	3.0000
2013	Deep Creek	Clallam	Other	0.0200 Gal	0.5000
2013	Deep Creek	Clallam	Knotweeds	0.0200 Gal	2.0000
2013	Ennis Creek	Clallam	Knotweeds	0.0200 Gal	1.0000
2013	Peabody Creek	Clallam	Knotweeds	0.0600 Gal	0.5000
2013	Salt Creek	Clallam	Other	0.1600 Gal	6.0000
2013	Salt Creek	Clallam	Reed Canary Grass	0.0200 Gal	2.0000
2013	Salt Creek	Clallam	Knotweeds	0.0600 Gal	1.5000
2013	Sekiu River	Clallam	Knotweeds	0.1250 Gal	2.7500
2013	Cougar Creek	Clark	Knotweeds	0.0156 Gal	1.7525
2013	Morgan Creek	Clark	Knotweeds	0.0322 Gal	0.6904
2013	Rock Creek	Clark	Other	0.0078 Gal	0.2640
2013	Rock Creek	Clark	Knotweeds	0.5269 Gal	45.3002
2013	Salmon Creek	Clark	Knotweeds	0.1131 Gal	16.3724
2013	Woodin Creek	Clark	Knotweeds	0.0326 Gal	0.2386
2013	Abernathy Creek	Cowlitz	Knotweeds	0.5200 Gal	2.0000
2013	Coweeman River	Cowlitz	Knotweeds	11.0000 Gal	7.0000
2013	Monahan Creek	Cowlitz	Knotweeds	0.5800 Gal	3.0000

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2013	Toutle River	Cowlitz	Knotweeds	0.1600 Gal	0.2500
2013	Columbia River	Douglas	Loosestrife	0.5500 Gal	2.2500
2013	Moses Coulee	Douglas	Loosestrife	0.5875 Gal	1.1250
2013	WB-10 Wasteway	Franklin	Phragmites	15.6250 Gal	125.0000
2013	Beverly Burke Road	Grant	Phragmites	1.8750 Gal	15.0000
2013	Burkett Lake	Grant	Loosestrife	0.5000 Gal	2.0000
2013	Columbia River	Grant	Loosestrife	2.4000 Gal	10.0000
2013	Frog Ponds	Grant	Phragmites	3.7500 Gal	30.0000
2013	Gloyd Seeps	Grant	Reed Canary Grass	2.5000 Gal	20.0000
2013	Gloyd Seeps	Grant	Phragmites	5.0000 Gal	40.0000
2013	Gloyd Seeps	Grant	Other	1.8750 Gal	15.0000
2013	Headquarters CBWA	Grant	Phragmites	0.0375 Gal	0.6000
2013	Lower Crab Creek	Grant	Phragmites	9.3750 Gal	75.0000
2013	TD-01/TD-02	Grant	Phragmites	3.7500 Gal	30.0000
2013	Winchester Lake	Grant	Phragmites	1.8750 Gal	15.0000
2013	Winchester Wasteway	Grant	Phragmites	58.7500 Gal	470.0000
2013	Chehalis River	Grays Harbor	Other	0.6800 Gal	1.8000
2013	Chehalis River	Grays Harbor	Other	0.0260 Gal	0.0700
2013	Cook Creek	Grays Harbor	Knotweeds	0.0008 Gal	0.0020
2013	Cook Creek Subwatershed	Grays Harbor	Knotweeds	0.0270 Gal	3.9000
2013	Grays Harbor	Grays Harbor	Phragmites	2.4000 Gal	4.8200
2013	Humptulips River	Grays Harbor	Knotweeds	0.0600 Gal	0.1600

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2013	Middle Quinault Subwatershed	Grays Harbor	Knotweeds	0.0060 Gal	12.1200
2013	Porter Creek	Grays Harbor	Knotweeds	0.0016 Gal	0.0090
2013	Satsop River	Grays Harbor	Knotweeds	1.9340 Gal	20.8000
2013	Puget Sound	Island	Phragmites	0.0038 Gal	0.0050
2013	Puget Sound	Island	Spartina	1.8200 Gal	2.4200
2013	Puget Sound	Island	Knotweeds	0.0150 Gal	0.0600
2013	Whidbey and Camano Islands	Island	Spartina	0.5970 Gal	0.8050
2013	All	Jefferson	Spartina	0.0140 Gal	0.0360
2013	Hoh River	Jefferson	Knotweeds	0.1500 Gal	0.1100
2013	Hoh River	Jefferson	Reed Canary Grass	0.3200 Gal	0.6600
2013	Hoh River	Jefferson	Other	0.0200 Gal	0.3700
2013	Lower Clearwater Subwatershed	Jefferson	Knotweeds	0.4900 Gal	327.0000
2013	All tributaries of the Snohomish River System, including the Snohomish River	King	Knotweeds	0.7420 Gal	1.5200
2013	Bear Creek	King	Knotweeds	0.4000 Gal	0.7900
2013	Cedar River	King	Knotweeds	0.7500 Gal	2.0000
2013	Cedar River	King	Other	0.7500 Gal	2.0000
2013	Cedar River	King	Knotweeds	0.0700 Gal	2.2300
2013	Cedar River	King	Other	0.1073 Gal	1.7700
2013	Cedar River	King	Knotweeds	5.2578 Gal	11.0411
2013	Cedar River	King	Knotweeds	1.7100 Gal	76.0000
2013	Cedar River	King	Knotweeds	3.3000 Gal	6.7000
2013	Derby Creek	King	Knotweeds	0.0500 Gal	0.0900

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2013	Duwamish River	King	Loosestrife	0.0003 Gal	0.0115
2013	Duwamish River	King	Other	0.0336 Gal	0.2755
2013	Duwamish River	King	Phragmites	0.0026 Gal	0.0620
2013	Ebright Creek	King	Loosestrife	0.0766 Gal	0.3157
2013	Issaquah Creek	King	Other	0.0009 Gal	0.0001
2013	Issaquah Creek	King	Knotweeds	2.2590 Gal	22.1800
2013	Issaquah Creek	King	Knotweeds	0.6000 Gal	1.7000
2013	Lake Desire	King	Loosestrife	0.1070 Gal	0.6657
2013	Lake Desire	King	Loosestrife	0.0300 Gal	0.0600
2013	Lake Sammamish	King	Loosestrife	0.0300 Gal	2.0000
2013	Lake Sammamish	King	Loosestrife	0.6131 Gal	5.3200
2013	Lake Washington	King	Loosestrife	1.8700 Gal	4.0000
2013	Lake Washington	King	Knotweeds	0.0100 Gal	1.0000
2013	Lake Washington	King	Loosestrife	0.0200 Gal	2.0000
2013	Lake Washington (Thornton Creek)	King	Knotweeds	0.0600 Gal	0.8000
2013	McAleer Creek	King	Other	0.0020 Gal	0.0115
2013	Middle Issaquah Creek	King	Knotweeds	0.1200 Gal	0.2400
2013	Miller Creek	King	Knotweeds	0.0262 Gal	0.2607
2013	Moss Lake	King	Knotweeds	0.0200 Gal	0.0070
2013	Phantom Lake	King	Loosestrife	0.0013 Gal	0.0046
2013	private pond in Renton	King	Other	0.0046 Gal	0.0149
2013	Private Pond on Vashon Island	King	Other	0.0093 Gal	0.0115
2013	Puget Sound	King	Phragmites	0.0277 Gal	0.0230

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2013	Puget Sound	King	Other	0.0168 Gal	0.1591
2013	Puget Sound	King	Other	0.0700 Gal	2.0000
2013	Raging River	King	Loosestrife	0.0132 Gal	0.1217
2013	Raging River	King	Knotweeds	0.0013 Gal	0.0069
2013	Raging River	King	Knotweeds	0.7300 Gal	1.4600
2013	Rattlesnake Lake	King	Knotweeds	0.1300 Gal	3.3000
2013	Rutherford Slough of the Snoqualmie River	King	Loosestrife	0.5700 Gal	1.9000
2013	Samammasih River/Lake	King	Loosestrife	1.2500 Gal	2.5000
2013	Sammamish River	King	Loosestrife	1.1400 Gal	1.4848
2013	Sammamish River	King	Phragmites	0.0040 Gal	0.0275
2013	Skykomish River	King	Knotweeds	7.5491 Gal	20.5635
2013	Snoqualmie River	King	Knotweeds	0.1200 Gal	0.2400
2013	Snoqualmie River	King	Loosestrife	0.0500 Gal	0.3673
2013	Snoqualmie River	King	Yellow Flag Iris	0.1400 Gal	2.0000
2013	Snoqualmie River-middle fork	King	Knotweeds	0.4897 Gal	1.2224
2013	Snoqualmie River-south fork	King	Knotweeds	4.2236 Gal	10.4208
2013	Soos Creek/Green River	King	Knotweeds	0.9857 Gal	2.9081
2013	South Fork Snoqualmie	King	Knotweeds	0.0390 Gal	0.2290
2013	Swamp Creek	King	Loosestrife	0.0013 Gal	0.0034
2013	Swamp Creek	King	Phragmites	0.0007 Gal	0.0006
2013	Taylor Creek wetland	King	Other	0.0079 Gal	0.0585
2013	Tolt River	King	Knotweeds	0.8600 Gal	1.7000

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2013	Trib to Issaquah Creek	King	Knotweeds	0.7300 Gal	9.3000
2013	Tukwila Pond	King	Loosestrife	0.0053 Gal	0.1148
2013	Union Bay	King	Loosestrife	5.5000 Gal	20.0000
2013	Upper Springbrook Creek	King	Knotweeds	0.1100 Gal	0.3000
2013	Upper Springbrook Creek	King	Other	0.1100 Gal	0.3000
2013	various	King	Knotweeds	0.0400 Gal	0.0400
2013	Walker Creek	King	Knotweeds	0.0113 Gal	0.0178
2013	Columbia River	Kittitas	Loosestrife	0.3100 Gal	2.5000
2013	Columbia River	Kittitas	Loosestrife	1.3125 Gal	4.2000
2013	Yakima River	Kittitas	Loosestrife	0.1100 Gal	0.2800
2013	Mineral Creek	Lewis	Knotweeds	16.0000 Gal	65.7600
2013	Mineral Lake	Lewis	Knotweeds	0.0900 Gal	0.1500
2013	Nisqually River	Lewis	Knotweeds	3.6380 Gal	21.8200
2013	Roundtop Creek	Lewis	Knotweeds	11.1900 Gal	29.3000
2013	Stimson Creek	Mason	Knotweeds	0.0300 Gal	1.0000
2013	Union River	Mason	Knotweeds	0.1900 Gal	4.5000
2013	Willapa Bay	Pacific	Spartina	0.0312 Gal	0.0344
2013	Willapa Bay	Pacific	Spartina	0.0820 Gal	0.1650
2013	Willapa Bay and tidelands	Pacific	Spartina	0.3000 Gal	0.3000
2013	Clark Creek	Pierce	Knotweeds	0.0750 Gal	0.0200
2013	Crescent Creek	Pierce	Knotweeds	0.0398 Gal	0.5200
2013	Goat Creek	Pierce	Knotweeds	0.1000 Gal	0.0200
2013	Hershey Creek	Pierce	Knotweeds	0.0100 Gal	0.1000

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2013	Lynch Creek	Pierce	Knotweeds	0.0074 Gal	0.1500
2013	Mashel River	Pierce	Knotweeds	0.0200 Gal	0.4800
2013	Minter Creek	Pierce	Knotweeds	0.1800 Gal	0.5000
2013	Nisqually River	Pierce	Knotweeds	3.5180 Gal	29.7400
2013	Ohop Lake	Pierce	Knotweeds	0.0085 Gal	0.1700
2013	Red Salmon Creek	Pierce	Knotweeds	0.0020 Gal	0.0050
2013	Salmon Creek	Pierce	Other	0.0019 Gal	0.5000
2013	Shoreline Puget Sound	Pierce	Knotweeds	0.0450 Gal	0.1000
2013	South Prairie Creek	Pierce	Knotweeds	6.8600 Gal	48.3500
2013	Swan Creek	Pierce	Knotweeds	0.1480 Gal	0.3000
2013	Tenas Creek	Pierce	Knotweeds	0.0160 Gal	0.1500
2013	White River/Salmon Creek	Pierce	Knotweeds	0.1600 Gal	9.5000
2013	Padilla Bay	Skagit	Spartina	0.0090 Gal	18.0000
2013	Puget Sound	Skagit	Spartina	0.0100 Gal	0.0100
2013	Samish River	Skagit	Knotweeds	0.0550 Gal	0.1100
2013	Samish River Watershed	Skagit	Knotweeds	2.1900 Gal	37.5000
2013	Sauk River	Skagit	Knotweeds	0.0400 Gal	0.0700
2013	Sauk River	Skagit	Knotweeds	2.9800 Gal	1.0300
2013	Skagit and Similk Bays	Skagit	Spartina	0.0020 Gal	23.0000
2013	Skagit River	Skagit	Knotweeds	0.1300 Gal	0.2300
2013	Canyon Creek	Skamania	Knotweeds	0.1700 Gal	14.2500
2013	Columbia River	Skamania	Yellow Flag Iris	0.0700 Gal	0.9600
2013	Columbia River	Skamania	Loosestrife	0.0050 Gal	0.1800

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2013	Columbia River	Skamania	Other	0.2500 Gal	2.0000
2013	Little Creek	Skamania	Knotweeds	0.0160 Gal	1.1700
2013	All tributaries of the Stillaguamish River System, including the Stillaguamish River.	Snohomish	Knotweeds	0.0100 Gal	0.0200
2013	Lower Stillaguamish/Port Susan Bay	Snohomish	Spartina	0.0992 Gal	0.5290
2013	Lower Stillaguamish/Port Susan Bay	Snohomish	Knotweeds	0.0391 Gal	0.2080
2013	Lower Stillaguamish/Port Susan Bay	Snohomish	Yellow Flag Iris	0.0156 Gal	0.8330
2013	Lower Stillaguamish/Port Susan Bay	Snohomish	Phragmites	0.1578 Gal	0.8420
2013	Lower Stillaguamish/Port Susan Bay	Snohomish	Other	0.0156 Gal	0.0830
2013	North and South Forks Stillagaumish River	Snohomish	Knotweeds	0.0100 Gal	1.3000
2013	Puget Sound	Snohomish	Phragmites	1.2375 Gal	1.6500
2013	Puget Sound	Snohomish	Phragmites	0.0188 Gal	0.0250
2013	Puget Sound	Snohomish	Spartina	0.9700 Gal	1.2900
2013	Puget Sound	Snohomish	Spartina	2.3700 Gal	3.1600
2013	Sauk River	Snohomish	Knotweeds	0.0400 Gal	0.0800
2013	SE Skagit Bay to North Port Susan Bay	Snohomish	Spartina	0.8000 Gal	321.0000
2013	Skykomish River	Snohomish	Knotweeds	2.4000 Gal	4.0000
2013	Stilliaguamish River	Snohomish	Knotweeds	0.1475 Gal	0.2950
2013	Tulalip Bay / Port Gardner	Snohomish	Spartina	0.0700 Gal	88.6000
2013	Black River	Thurston	Knotweeds	0.0008 Gal	0.0020
2013	Bloom's Ditch	Thurston	Knotweeds	0.0008 Gal	0.0020
2013	Deschutes River bank	Thurston	Other	0.0790 Gal	1.2700

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2013	Deschutes River bank	Thurston	Knotweeds	0.0038 Gal	0.3000
2013	Lake Lawrence shoreline	Thurston	Loosestrife	0.0130 Gal	0.6800
2013	McAllister Creek	Thurston	Knotweeds	0.0140 Gal	0.0230
2013	Medicine Creek	Thurston	Knotweeds	0.0050 Gal	0.0100
2013	Nisqually River	Thurston	Knotweeds	0.0100 Gal	0.0180
2013	Stony Creek	Thurston	Knotweeds	0.1260 Gal	0.4000
2013	Unnamed Tributary	Thurston	Knotweeds	0.0200 Gal	0.0140
2013	Elochoman River	Wahkiakum	Knotweeds	0.5760 Gal	9.0500
2013	Elochoman River	Wahkiakum	Other	0.0640 Gal	0.5000
2013	Grays River	Wahkiakum	Reed Canary Grass	0.0608 Gal	0.1900
2013	Grays River	Wahkiakum	Loosestrife	0.1592 Gal	2.3350
2013	Touchet River	Walla Walla	Other	60.0000 Gal	150.0000
2013	Canyon Creek and unnamed tributaries	Whatcom	Knotweeds	0.0020 Gal	0.0220
2013	Lake Terrell	Whatcom	Other	0.0006 Gal	0.0008
2013	Naches River & its backwater	Yakima	Knotweeds	1.3100 Gal	2.6200
			Gal Total	297.4095 Gal	2462.8913
2013	Green River	King	Other	0.6200 Lbs	0.3000
			Lbs Total	0.6200 Lbs	0.3000
2013	Chelan basin	Chelan	None	0.0000 None	0.0000
2013	Entiat	Chelan	None	0.0000 None	0.0000
2013	Wenatchee River/Columbia River	Douglas	None	0.0000 None	0.0000
2013	Queets River	Grays Harbor	None	0.0000 None	0.0000

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2013	Cedar River	King	None	0.0000 None	0.0000
2013	Snoqualmie /Raging/ Skykomish	King	None	0.0000 None	0.0000
2013	Whilte River	King	None	0.0000 None	0.0000
2013	Big Creek & Tributaries	Lewis	None	0.0000 None	0.0000
2013	Bunker, Deep Creek	Lewis	None	0.0000 None	0.0000
2013	Chehalis River & Tributaries	Lewis	None	0.0000 None	0.0000
2013	Cispus River & Tributaries	Lewis	None	0.0000 None	0.0000
2013	Dillenbaugh \ Berwick Creek	Lewis	None	0.0000 None	0.0000
2013	Independence Creek	Lewis	None	0.0000 None	0.0000
2013	Lincoln Creek	Lewis	None	0.0000 None	0.0000
2013	Mineral Lake	Lewis	None	0.0000 None	0.0000
2013	Mineral, Roundtop Creek	Lewis	None	0.0000 None	0.0000
2013	Newaukum River & Tributaries	Lewis	None	0.0000 None	0.0000
2013	Olequa River & Tributaries	Lewis	None	0.0000 None	0.0000
2013	Rainey Creek	Lewis	None	0.0000 None	0.0000
2013	Rock Creek	Lewis	None	0.0000 None	0.0000
2013	Scammon Creek	Lewis	None	0.0000 None	0.0000
2013	Stearns Creek	Lewis	None	0.0000 None	0.0000
2013	Stillman Creek	Lewis	None	0.0000 None	0.0000
2013	Skokomish River	Mason	None	0.0000 None	0.0000
2013	Skookum Creek	Mason	None	0.0000 None	0.0000
2013	Union River	Mason	None	0.0000 None	0.0000
2013	Clover Creek	Pierce	None	0.0000 None	0.0000

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	2013	South Swinomish Channel	Skagit	None	0.0000 None	0.0000
	2013	NF Stillaguamish River	Snohomish	None	0.0000 None	0.0000
	2013	North Creek	Snohomish	None	0.0000 None	0.0000
	2013	Grandy Creek small tributaries	Whatcom	None	0.0000 None	0.0000
	2013	Olsen Creek	Whatcom	None	0.0000 None	0.0000
	2013	Semiahmoo Bay	Whatcom	None	0.0000 None	0.0000
	2013	Squalicum Creek	Whatcom	None	0.0000 None	0.0000
	2013	Strawberry Creek	Whatcom	None	0.0000 None	0.0000
	2013	Unnamed Seasonal Tributary to Lake Whatcom	Whatcom	None	0.0000 None	0.0000
	2013	Whatcom Creek	Whatcom	None	0.0000 None	0.0000
				None Total	0.0000 None	0.0000
				Total Acres Treated by Herbicide		2463.1913
Triclopyr TEA						
	2013	Chelan basin	Chelan	Other	0.1875 Gal	0.9000
	2013	Bell Creek	Clallam	Other	4.5000 Gal	15.0000
	2013	Chicken Coop Creek	Clallam	Other	0.8000 Gal	5.0000
	2013	Dungeness River	Clallam	Other	3.7000 Gal	18.0000
	2013	Meadowbrook Creek	Clallam	Other	3.2300 Gal	10.0000
	2013	Pysht River	Clallam	Other	1.4800 Gal	5.0000
	2013	Mill Creek	Clark	Other	0.1875 Gal	1.5000
	2013	Salmon Creek	Clark	Other	11.7500 Gal	27.9000
	2013	Mint Farm - Wetland	Cowlitz	Loosestrife	0.0300 Gal	0.0300

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2013	Dosewallips River	Jefferson	Other	0.3100 Gal	1.0000
2013	Little Quilcene River	Jefferson	Other	1.3600 Gal	3.4000
2013	Spencer Creek	Jefferson	Other	0.0500 Gal	1.0000
2013	All tributaries of the Snohomish River System, including the Snohomish River	King	Other	5.8350 Gal	65.5480
2013	Cedar River	King	Knotweeds	0.5700 Gal	2.0000
2013	Cedar River	King	Other	0.5700 Gal	2.0000
2013	Cedar River	King	Other	0.4127 Gal	3.5800
2013	Cedar River	King	Other	1.1100 Gal	1.7700
2013	Green River	King	Other	1.4800 Gal	1.1800
2013	Juanita Creek	King	Other	0.0634 Gal	0.0758
2013	Lake Borst	King	Loosestrife	0.6500 Gal	0.4400
2013	Lakota wetland in Federal Way near Puget sound	King	Loosestrife	0.0450 Gal	3.8223
2013	Luther Burbank Park, north wetland	King	Loosestrife	0.0060 Gal	1.1500
2013	Molendorph Creek	King	Other	0.0238 Gal	0.1600
2013	North Lake	King	Loosestrife	0.0190 Gal	0.0125
2013	Puget Sound	King	Other	1.0350 Gal	10.7400
2013	Snoqualmie and Tolt Rivers	King	Other	0.2400 Gal	0.4700
2013	Snoqualmie River	King	Other	0.1640 Gal	0.5026
2013	Snoqualmie River	King	Loosestrife	0.1520 Gal	1.2011
2013	South Fork Snoqualmie	King	Other	0.1920 Gal	0.2400
2013	Totem Lake	King	Loosestrife	0.1250 Gal	0.3444
2013	Upper Springbrook Creek	King	Knotweeds	0.0800 Gal	0.3000

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2013	Upper Springbrook Creek	King	Other	0.0800 Gal	0.3000
2013	Walker Creek	King	Loosestrife	0.0205 Gal	0.2253
2013	Cispus River & Tributaries	Lewis	Other	2.5000 Gal	56.0000
2013	Cowlitz River & Tributaries	Lewis	Other	1.5000 Gal	45.0000
2013	Silver, Meeker, Clarks creeks	Pierce	Reed Canary Grass	1.3000 Gal	2.3000
2013	All tributaries of the Snohomish River System, including the Snohomish River	Snohomish	Other	2.5810 Gal	28.4480
2013	All tributaries of the Stillaguamish River System, including the Stillaguamish River.	Snohomish	Other	1.8040 Gal	17.0200
2013	Union Slough / Snohomish Estuary	Snohomish	Loosestrife	0.4000 Gal	8.0000
2013	Capitol Lake shoreline	Thurston	Loosestrife	0.0195 Gal	5.0900
2013	McCallister Creek	Thurston	Knotweeds	0.0500 Gal	0.2000
2013	Cordata School wetlands, Bellingham	Whatcom	Other	0.0300 Gal	4.0000
2013	Lake Terrell	Whatcom	Loosestrife	0.5000 Gal	0.2500
2013	Lake Whatcom Zoerink small wetland complex	Whatcom	Other	0.0380 Gal	0.5000
2013	Squalicum Creek Irongate Wetland	Whatcom	Other	0.1100 Gal	4.0000
2013	Lower Yakima River & its backwater	Yakima	Loosestrife	22.5600 Gal	15.0400
2013	Upper Yakima River & its backwater	Yakima	Loosestrife	2.7700 Gal	5.5400
			Gal Total	76.6209 Gal	376.1800
2013	Entiat	Chelan	None	0.0000 None	0.0000
2013	Wenatchee River/Columbia River	Chelan	None	0.0000 None	0.0000
2013	Wenatchee River/Columbia River	Douglas	None	0.0000 None	0.0000

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2013	Queets River	Grays Harbor	None	0.0000 None	0.0000
2013	Dunlap Bay	Skagit	None	0.0000 None	0.0000
2013	LIttle Bear Creek	Snohomish	None	0.0000 None	0.0000
2013	Swamp Creek	Snohomish	None	0.0000 None	0.0000
2013	Unnamed Chandler's tiny creek, Bellingham Bay	Whatcom	None	0.0000 None	0.0000
			None Total	0.0000 None	0.0000
			Total Acres Treated by Herbicide		376.1800

2013 Annual Treatment Report
for aquatic pesticide applications
conducted under

NPDES WAG-993000

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.

1/30/14

Jim Marra, Ph.D.
Pest Program Manager
Washington State Department of Agriculture