STATE OF WASHINGTON
DEPARTMENT OF AGRICULTURE
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DEPARTMENT OF ECOLOGY
JAN 31 2007
WATER QUALITY PROGRAM

2006
Annual Treatment Report

for aquatic pesticide applications
conducted under

NDPES WAG-993000

Brad White
Pest Program Manager
Washington State Department of Agriculture
January 31, 2007

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REPORT

For the required summary of herbicide applications refer to Attachments B and C.

Attachment B contains a hardcopy summary printout of aquatic pesticides applied under NPDES Permit WAG-993000 as reported to the Washington State Department of Agriculture (WSDA) by entities or applicators that received permit coverage through the WSDA administration of the permit. Totals are derived from spray records and actuals reported directly to the WSDA.

Attachment C contains a hardcopy summary printout of aquatic pesticides applied under the NPDES Permit WAG-993000 as reported directly to the Department of Ecology (DOE) database. Attachment B and C capture the application history of the 2006 treatment season.

During 2006 there were 100 applications for coverage made to the DOE database. A smaller number of applicants, 77, followed through with submitting signed hardcopy requests for permit coverage. No action was taken on requests submitted to the database that did not follow up with a signed hardcopy request to WSDA for permit coverage. Of the 77 extensions of permit coverage, 7 entities reported zero actuals indicating that no treatment activity took place. Most applicants made contact with WSDA prior to submitting their request for permit coverage or were familiar with the process from the previous year; therefore only one request required denial in 2006.

Despite WSDA inquiries, the following entities were extended coverage but have neither reported treatment activity or that no treatments took place. WSDA will not extend future coverage until receiving this information:

Skagit County Drainage District 14 and 17	(no response)
Eden Advanced Pest Technology	(no response)
Westside Irrigation	(no response)
King County Department of Natural Resources	(records pending)

Attachment A

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, any 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.

31 Jan 2007

Brad White, Ph.D.
Pest Program Manager
Washington State Department of Agriculture

Attachment B
Application totals as reported to the WSDA
12 pages following

WEED	PESTICIDE	GALLONS USED	POUNDS USED	ACRES	SPOT TREAT or FRONTAGE FEET
???	Diquat	11.0000		5.500	
???	Glyphosate	0.0317		0.038	
???	Glyphosate	8.4200		16.840	
???	Glyphosate	9.4508			Spot Spray
???	Imazapyr	0.0390			Spot Spray
???	Imazapyr	3.5900		6.850	
???	Triclopyr TEA	0.0006		0.002	
???	Triclopyr TEA	28.1988			Spot Spray
???	Triclopyr TEA	30.0000		20.000	
Knotweed	Glyphosate	0.9220		8.000	
Knotweed	Glyphosate	1.5937		2.500	
Knotweed	Glyphosate	2.0950		0.964	
Knotweed	Glyphosate	2.9788		2.080	
Knotweed	Glyphosate	3.8300		4.400	
Knotweed	Glyphosate	7.0000		1,778.000	
Knotweed	Glyphosate	8.0000		2.500	
Knotweed	Glyphosate	11.1625		20.458	
Knotweed	Glyphosate	24.7221		71.802	
Knotweed	Glyphosate	30.9420		91.734	
Knotweed	Glyphosate	46.9280		1,014.982	
Knotweed	Glyphosate	47.8610		966.740	
Knotweed	Glyphosate	141.8600		196.890	
Knotweed	Imazapyr	0.0320		4.000	
Knotweed	Imazapyr	0.0700		3.250	
Knotweed	Imazapyr	0.1321		0.964	
Knotweed	Imazapyr	0.2848		7.859	
Knotweed	Imazapyr	2.5789			Spot Spray
Knotweed	Imazapyr	3.0000		1,778.000	
Knotweed	Imazapyr	3.4770		29.132	
Knotweed	Imazapyr	7.1100		88.464	
Knotweed	Imazapyr	35.6650		196.890	
Knotweed & Reed Canarygrass	Glyphosate	0.2400		1.500	

WEED	PESTICIDE	GALLONS USED	POUNDS USED	ACRES	SPOT TREAT or FRONTAGE FEET
Loosestrife	Glyphosate	1.6800		7.000	
Loosestrife	Glyphosate	29.0000		1.000	
Loosestrife	Triclopyr TEA	0.6400		5.000	
Non-crop	2-4-D	0.4000		0.800	
Non-crop	Glyphosate	122.0500		244.500	
Non-crop	Imazapyr	9.0000		54.000	
Parrot Feather	Imazapyr	0.7695		???	
Phragmites	Imazapyr	0.6094		3.250	
Phragmites	Imazapyr	0.8750		4.250	
Phragmites	Imazapyr	2.5625		10.250	
Phragmites	Imazapyr	5.6875		21.250	
Phragmites	Imazapyr	10.8906		33.250	
Phragmites	Imazapyr	20.6250		72.250	
Purple Loosestrife	Glyphosate	2.5000		10.000	
Purple Loosestrife	Glyphosate	2.6416		55.000	
Purple Loosestrife	Imazapyr	1.2500		10.000	
Reed Canary Grass	Glyphosate	5.0191		18.000	
Reed Canary Grass	Glyphosate	25.5000		2.500	
Reed Canarygrass	Glyphosate	0.2000		4.000	
Reed Canarygrass	Glyphosate	2.0000		4.000	
Reed Canarygrass	Glyphosate	3.0000		6.000	
Reed Canarygrass	Glyphosate	3.7930		4.200	
Reed Canarygrass	Imazapyr	0.9000		1.800	
Reed Canarygrass & miscellaneous	Glyphosate	3.1094		5.510	
Reed Canarygrass & miscellaneous	Glyphosate	5.6100		10.510	
Reed Canarygrass & miscellaneous	Imazapyr	0.0078		0.500	
Reed Canarygrass & miscellaneous	Imazapyr	0.0078		0.500	
Spartina	Glyphosate	0.0227		0.060	
Spartina	Glyphosate	0.8000		2.260	

WEED	PESTICIDE	GALLONS USED	POUNDS USED	ACRES	SPOT TREAT or FRONTAGE FEET
Spartina	Glyphosate	4.2000		20.110	
Spartina	Glyphosate	4.5000		1.500	
Spartina	Glyphosate	6.4505		1.287	
Spartina	Glyphosate	6.6900		14.580	
Spartina	Glyphosate	7.2000		31.250	
Spartina	Glyphosate	7.6940		2.090	
Spartina	Glyphosate	8.7797		4.086	
Spartina	Glyphosate	11.2500		175.000	
Spartina	Glyphosate	12.1875		8.040	
Spartina	Glyphosate	13.0000		122.750	
Spartina	Glyphosate	15.0000		35.000	
Spartina	Glyphosate	25.5000		8.500	
Spartina	Glyphosate	29.7000		9.900	
Spartina	Glyphosate	38.8000		18.088	
Spartina	Glyphosate	40.6750		8.135	
Spartina	Glyphosate	50.0000		20.000	
Spartina	Glyphosate	52.3250		10.705	
Spartina	Glyphosate	69.0000		23.000	
Spartina	Glyphosate	70.5000		23.500	
Spartina	Glyphosate	79.8500		32.300	
Spartina	Glyphosate	93.1250		37.250	
Spartina	Glyphosate	103.5000		34.500	
Spartina	Glyphosate	109.0000		36.300	
Spartina	Glyphosate	115.5000		38.500	
Spartina	Glyphosate	134.9000		49.440	
Spartina	Glyphosate	142.6250		68.650	
Spartina	Glyphosate	183.0000		61.000	
Spartina	Glyphosate	202.5000		119.500	
Spartina	Glyphosate	204.0000		68.000	
Spartina	Glyphosate	221.2500		88.000	
Spartina	Glyphosate	342.6700		167.740	
Spartina	Glyphosate	368.5500		122.850	
Spartina	Glyphosate	403.0000		1,833.000	

WEED	PESTICIDE	GALLONS USED	POUNDS USED	ACRES	SPOT TREAT or FRONTAGE FEET
Spartina	Glyphosate	413.3700		137.790	
Spartina	Glyphosate	1,889.7500		889.910	
Spartina	Imazapyr	0.0070			1,000 feet shoreline
Spartina	Imazapyr	0.0340		0.060	
Spartina	Imazapyr	0.3000		2.260	
Spartina	Imazapyr	0.6322		1.290	
Spartina	Imazapyr	0.6760		2.090	
Spartina	Imazapyr	0.8780		4.086	
Spartina	Imazapyr	0.9000		12.000	
Spartina	Imazapyr	0.9300		1.500	
Spartina	Imazapyr	1.2100		20.110	
Spartina	Imazapyr	1.8000		26.250	
Spartina	Imazapyr	2.2900		14.580	
Spartina	Imazapyr	2.8125		175.000	
Spartina	Imazapyr	3.8800		18.088	
Spartina	Imazapyr	4.8000		122.750	
Spartina	Imazapyr	5.0000		35.000	
Spartina	Imazapyr	5.0890		8.135	
Spartina	Imazapyr	5.3100		8.500	
Spartina	Imazapyr	6.1920		9.900	
Spartina	Imazapyr	6.6990		10.705	
Spartina	Imazapyr	9.5000		20.000	
Spartina	Imazapyr	14.0750		23.000	
Spartina	Imazapyr	15.3850		23.500	
Spartina	Imazapyr	20.1865		34.500	
Spartina	Imazapyr	20.1875		32.300	
Spartina	Imazapyr	21.7670		37.250	
Spartina	Imazapyr	23.4375		0.835	
Spartina	Imazapyr	23.9500		36.300	
Spartina	Imazapyr	24.8660		49.440	
Spartina	Imazapyr	33.8250		68.650	
Spartina	Imazapyr	38.2500		61.000	
Spartina	Imazapyr	42.5000		68.000	

WEED	PESTICIDE	GALLONS USED	POUNDS USED	ACRES	SPOT TREAT or FRONTAGE FEET
Spartina	Imazapyr	42.7500		88.000	
Spartina	Imazapyr	53.0125		119.500	
Spartina	Imazapyr	95.2040		122.850	
Spartina	Imazapyr	100.7440		1,833.000	
Spartina	Imazapyr	102.0335		137.790	
Spartina	Imazapyr	102.5850		167.740	
Spartina	Imazapyr	260.0000		410.000	
Spartina	Imazapyr	377.8500		582.500	
Spartina	Imazapyr	434.8767		889.910	
Yellow flag Iris	Glyphosate	2.7736		26.000	
Yellow flag Iris	Glyphosate	5.0000		2.500	
Yellow flag Iris	Imazapyr	2.5000		2.500	

TOTAL ACREAGE TREATED

WEED		ACRES
???		49.2299
Knotweed		6,269.6094
Knotweed & Reed Canary Grass		1.5000
Non-crop		299.3000
Parrot Feather		???
Phragmites		144.5000
Purple Loosestrife		75.0000
Reed Canary Grass		40.5000
Reed Canary Grass & Misc.		17.0200

WEED	PESTICIDE	GALLONS USED	POUNDS USED	ACRES	SPOT TREAT or FRONTAGE FEET
Spartina		9,602.9391	+ 1,000 ft. shoreline		
Yellow flag Iris		31.0000			

WEED	PESTICIDE	GALLONS USED	POUNDS USED	ACRES	SPOT TREAT or FRONTAGE FEET
Milfoil	2,4-D	25.7812		9.000	
Non-crop	2-4-D	0.4000		0.800	
???	Diquat	2.0000		3.500	
???	Diquat	11.0000		5.500	
???	Glyphosate	0.0317		0.038	
???	Glyphosate	8.4200		16.840	
???	Glyphosate	9.4508			Spot Spray
Garlic Mustard	Glyphosate	0.0829			Spot Spray
Knotweed	Glyphosate	0.1875		0.750	
Knotweed	Glyphosate	0.9220		8.000	
Knotweed	Glyphosate	1.5937		2.500	
Knotweed	Glyphosate	1.9020			Spot Spray
Knotweed	Glyphosate	2.0950		0.964	
Knotweed	Glyphosate	2.9788		2.080	
Knotweed	Glyphosate	3.3100		1.930	
Knotweed	Glyphosate	3.8300		4.400	
Knotweed	Glyphosate	7.0000		1,778.000	
Knotweed	Glyphosate	8.0000		2.500	
Knotweed	Glyphosate	11.1625		20.458	
Knotweed	Glyphosate	17.4100		11.836	
Knotweed	Glyphosate	17.7800		17.020	
Knotweed	Glyphosate	23.4470		235.316	
Knotweed	Glyphosate	24.1800		22.900	
Knotweed	Glyphosate	24.7221		71.802	
Knotweed	Glyphosate	30.9420		91.734	
Knotweed	Glyphosate	46.9280		1,014.982	
Knotweed	Glyphosate	47.8610		966.740	
Knotweed	Glyphosate	49.8000		64.210	
Knotweed	Glyphosate	99.0960		32,374.620	
Knotweed	Glyphosate	141.8600		196.890	

WEED	PESTICIDE	GALLONS USED	POUNDS USED	ACRES	SPOT TREAT or FRONTAGE FEET
Knotweed	Glyphosate	1,505.5000		17,266.140	
Knotweed & Reed Canarygrass	Glyphosate	0.2400		1.500	
Loosestrife	Glyphosate	1.6800		7.000	
Loosestrife	Glyphosate	29.0000		1.000	
Non-crop	Glyphosate	122.0500		244.500	
Phragmites	Glyphosate	0.0700		0.060	
Purple Loosestrife	Glyphosate	0.4296		4.500	
Purple Loosestrife	Glyphosate	2.5000		10.000	
Purple Loosestrife	Glyphosate	2.6416		55.000	
Reed Canary Grass	Glyphosate	5.0191		18.000	
Reed Canary Grass	Glyphosate	25.5000		2.500	
Reed Canarygrass	Glyphosate	0.2000		4.000	
Reed Canarygrass	Glyphosate	2.0000		4.000	
Reed Canarygrass	Glyphosate	3.0000		6.000	
Reed Canarygrass	Glyphosate	3.7930		4.200	
Reed Canarygrass & miscellaneous	Glyphosate	3.1094		5.510	
Reed Canarygrass & miscellaneous	Glyphosate	5.6100		10.510	
Spartina	Glyphosate	0.0227		0.060	
Spartina	Glyphosate	0.8000		2.260	
Spartina	Glyphosate	4.2000		20.110	
Spartina	Glyphosate	4.5000		1.500	
Spartina	Glyphosate	6.4505		1.287	
Spartina	Glyphosate	6.6900		14.580	
Spartina	Glyphosate	7.2000		31.250	
Spartina	Glyphosate	7.6940		2.090	
Spartina	Glyphosate	8.7797		4.086	
Spartina	Glyphosate	11.2500		175.000	

WEED	PESTICIDE	GALLONS USED	POUNDS USED	ACRES	SPOT TREAT or FRONTAGE FEET
Spartina	Glyphosate	12.1875		8.040	
Spartina	Glyphosate	13.0000		122.750	
Spartina	Glyphosate	15.0000		35.000	
Spartina	Glyphosate	25.5000		8.500	
Spartina	Glyphosate	29.7000		9.900	
Spartina	Glyphosate	38.8000		18.088	
Spartina	Glyphosate	40.6750		8.135	
Spartina	Glyphosate	50.0000		20.000	
Spartina	Glyphosate	52.3250		10.705	
Spartina	Glyphosate	69.0000		23.000	
Spartina	Glyphosate	70.5000		23.500	
Spartina	Glyphosate	79.8500		32.300	
Spartina	Glyphosate	93.1250		37.250	
Spartina	Glyphosate	103.5000		34.500	
Spartina	Glyphosate	109.0000		36.300	
Spartina	Glyphosate	115.5000		38.500	
Spartina	Glyphosate	134.9000		49.440	
Spartina	Glyphosate	142.6250		68.650	
Spartina	Glyphosate	183.0000		61.000	
Spartina	Glyphosate	202.5000		119.500	
Spartina	Glyphosate	204.0000		68.000	
Spartina	Glyphosate	221.2500		88.000	
Spartina	Glyphosate	342.6700		167.740	
Spartina	Glyphosate	368.5500		122.850	
Spartina	Glyphosate	403.0000		1,833.000	
Spartina	Glyphosate	413.3700		137.790	
Spartina	Glyphosate	1,889.7500		889.910	
Yellow Flag Iris	Glyphosate	0.4296		4.500	
Yellow flag Iris	Glyphosate	2.7736		26.000	
Yellow flag Iris	Glyphosate	5.0000		2.500	

WEED	PESTICIDE	GALLONS USED	POUNDS USED	ACRES	SPOT TREAT or FRONTAGE FEET
???	Imazapyr	0.0390			Spot Spray
???	Imazapyr	0.6094		3.250	
???	Imazapyr	0.8750		4.250	
???	Imazapyr	2.5625		10.250	
???	Imazapyr	3.5900		6.850	
???	Imazapyr	5.6875		21.250	
???	Imazapyr	10.8906		33.250	
???	Imazapyr	20.6250		72.250	
Knotweed	Imazapyr	0.0320		4.000	
Knotweed	Imazapyr	0.0700		3.250	
Knotweed	Imazapyr	0.1300		0.197	
Knotweed	Imazapyr	0.1321		0.964	
Knotweed	Imazapyr	0.2848		7.859	
Knotweed	Imazapyr	1.1040		235.316	
Knotweed	Imazapyr	2.5789			Spot Spray
Knotweed	Imazapyr	3.0000		1,778.000	
Knotweed	Imazapyr	3.4770		29.132	
Knotweed	Imazapyr	5.0000		11.500	
Knotweed	Imazapyr	7.1100		88.464	
Knotweed	Imazapyr	35.6650		196.890	
Non-crop	Imazapyr	9.0000		54.000	
Parrot Feather	Imazapyr	0.7695		???	
Purple Loosestrife	Imazapyr	1.2500		10.000	
Reed Canarygrass	Imazapyr	0.9000		1.800	
Reed Canarygrass & miscellaneous	Imazapyr	0.0078		0.500	
Reed Canarygrass & miscellaneous	Imazapyr	0.0078		0.500	
Spartina	Imazapyr	0.0070			1,000 feet shoreline
Spartina	Imazapyr	0.0340		0.060	

WEED	PESTICIDE	GALLONS USED	POUNDS USED	ACRES	SPOT TREAT or FRONTAGE FEET
Spartina	Imazapyr	0.3000		2.260	
Spartina	Imazapyr	0.6322		1.290	
Spartina	Imazapyr	0.6760		2.090	
Spartina	Imazapyr	0.8780		4.086	
Spartina	Imazapyr	0.9000		12.000	
Spartina	Imazapyr	0.9300		1.500	
Spartina	Imazapyr	1.2100		20.110	
Spartina	Imazapyr	1.8000		26.250	
Spartina	Imazapyr	2.2900		14.580	
Spartina	Imazapyr	2.8125		175.000	
Spartina	Imazapyr	3.8800		18.088	
Spartina	Imazapyr	4.8000		122.750	
Spartina	Imazapyr	5.0000		35.000	
Spartina	Imazapyr	5.0890		8.135	
Spartina	Imazapyr	5.3100		8.500	
Spartina	Imazapyr	6.1920		9.900	
Spartina	Imazapyr	6.6990		10.705	
Spartina	Imazapyr	9.5000		20.000	
Spartina	Imazapyr	14.0750		23.000	
Spartina	Imazapyr	15.3850		23.500	
Spartina	Imazapyr	20.1865		34.500	
Spartina	Imazapyr	20.1875		32.300	
Spartina	Imazapyr	21.7670		37.250	
Spartina	Imazapyr	23.4375		0.835	
Spartina	Imazapyr	23.9500		36.300	
Spartina	Imazapyr	24.8660		49.440	
Spartina	Imazapyr	33.8250		68.650	
Spartina	Imazapyr	38.2500		61.000	
Spartina	Imazapyr	42.5000		68.000	
Spartina	Imazapyr	42.7500		88.000	

WEED	PESTICIDE	GALLONS USED	POUNDS USED	ACRES	SPOT TREAT or FRONTAGE FEET
Spartina	Imazapyr	53.0125		119.500	
Spartina	Imazapyr	95.2040		122.850	
Spartina	Imazapyr	100.7440		1,833.000	
Spartina	Imazapyr	102.0335		137.790	
Spartina	Imazapyr	102.5850		167.740	
Spartina	Imazapyr	260.0000		410.000	
Spartina	Imazapyr	377.8500		582.500	
Spartina	Imazapyr	434.8767		889.910	
Yellow flag Iris	Imazapyr	2.5000		2.500	
???	Triclopyr TEA	0.0006		0.002	
???	Triclopyr TEA	0.7500		0.023	
???	Triclopyr TEA	0.7500		0.011	
???	Triclopyr TEA	28.1988			Spot Spray
???	Triclopyr TEA	30.0000		20.000	
Floating Primrose	Triclopyr TEA	0.5000		0.023	
Knotweed	Triclopyr TEA	45.0000		1.500	
Loosestrife	Triclopyr TEA	0.6400		5.000	
Parrot Feather	Triclopyr TEA	0.0400		0.050	
Parrot Feather	Triclopyr TEA	1.5000		0.028	

TOTALS		
Total 2-4-D	26.1812	9.8000
Total Diquat	9.0000	9.0000
Total Glyphosate	7,786.4034	58,908.5007 plus some spot spray
Total Imazapyr	2,024.3228	7,854.5907 plus some spot spray
Total Triclopyr TEA	107.3794	3.6097 plus some spot spray

Attachment C
Application totals reported to DOE database
22 pages following