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# CCLRD

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## Camp and Center Lakes Rehabilitation District



Doug Hughes, Commissioner Kenosha County, Chairman  
Donna Wade, Secretary  
Charles Walker, Treasurer  
Dennis Faber, Commissioner, Town of Salem  
Dean Hintzman, Commissioner

December 1, 2011

Mr. Craig Helker  
DNR Water Resources Biologist  
Sturtevant Service Center  
9531 Rayne Road, Suite 4  
Sturtevant, WI 53177

Dear Mr. Helker,

The following is the information required as a condition for the Camp, Center Lake Rehabilitation District Aquatic Harvesting Permit approved on May 31, 2006.

Starting and ending harvesting dates:

Starting date: June 14, 2011

Ending date: October 24, 2011

Map of harvesting areas:

Exhibit I:

Maps of Camp and Center Lakes identifying the harvesting areas on each lake, also see Exhibit 9 and Exhibit 11 contained in the May 31, 2006 "Aquatic Plant Management Plan for Camp and Center Lakes" outlining the approximate 150 approved harvest acres.

Exhibit II:

Harvest Load Summary

Exhibit III:

## Tonnage Summary

### Note:

Eurasian Milfoil, Widgeon Grass and "Other Species" were the species that were tabulated. Approximately 40% of the "Other Species" for 2010 was "Common Water Weed" with the remaining 60% Coontail, Northern Water Milfoil, Sago Pondweed and Eel Grass however; the quantity of those species was undeterminable because they were mixed in with all the species harvested.

### Annual cost:

2011 \$ 87,806.47

### Note:

For 2011 we went over budget by 3%. It is believed that we have misinterpreted how using chemicals would affect our harvesting. By eliminating Eurasian Milfoil other native aquatic species have replaced the Milfoil. These species have grown to nuisance status in many recreation locations in Camp lake. This is proven by the results of the Aquatic plant study Lake and Pond Solutions completed as a requirement for our updated aquatic management plan.

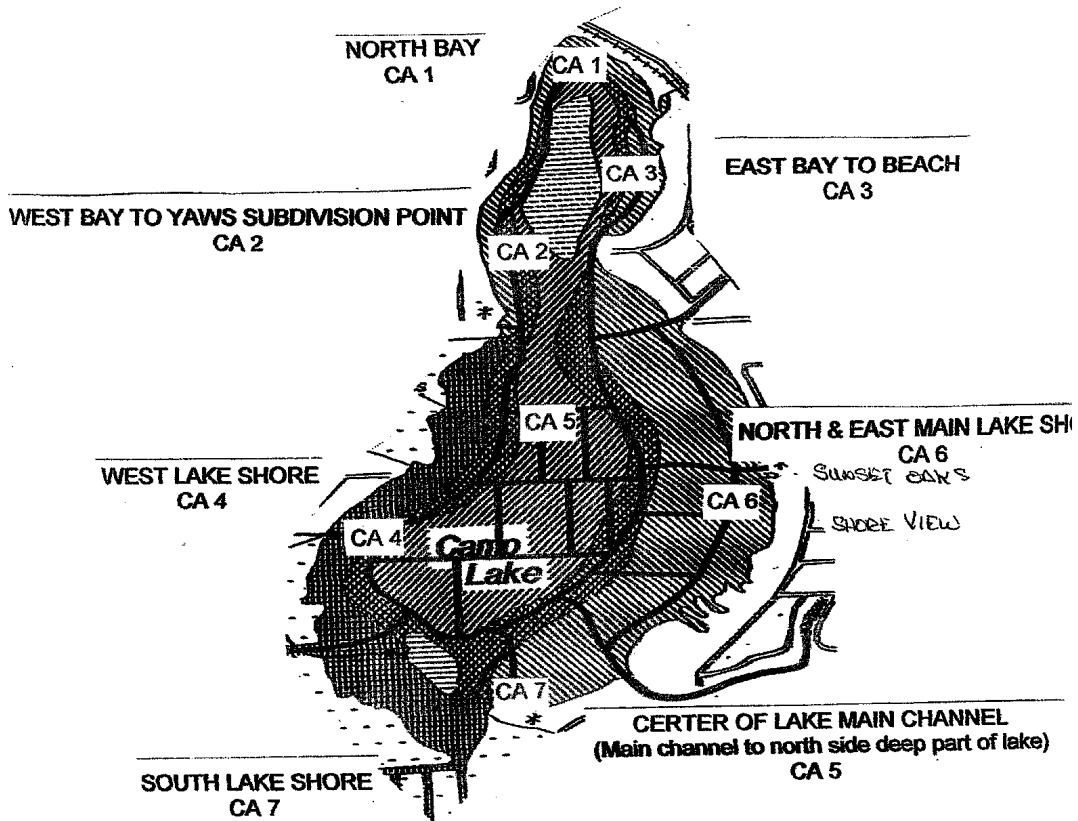
Best regards,

Dennis Faber

C.C.L.R.D. Harvesting Opera

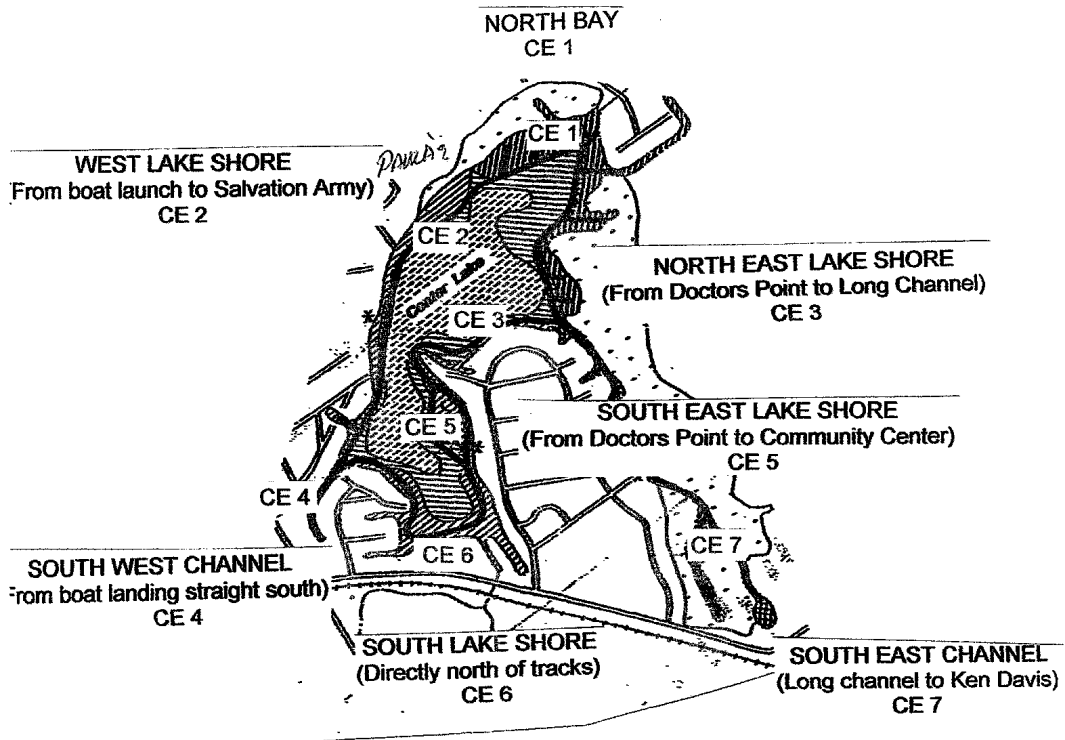
**CAMP LAKE  
HARVESTING LOCATION MAP**

EXHIBIT I (Camp Lake)



# CENTER LAKE HARVESTING MAP

EXHIBIT I (Center Lake)



**EXHIBIT II**

**CAMP LAKE  
HARVESTER LOAD SUMMARY  
BY AQUATIC SPECIES**

Location:	CA 1	CA 2	CA 3	CA 4	CA 5	CA 6	CA 7	TOTAL
<b>MILFOIL:</b>								
Year: 2002	121.4	150.1	182.2	30.6	340.6	193.6	52.6	1,071.1
2003	105	169	133	33.4	349.6	95	42.6	927.6
2004	3	16.8	4	6.4	27.6	44	49.6	151.4
2005	72.6	33	15.4	55.4	503.2	64	13.6	756.4
2006	8	16	9.5	23.6	313.8	7.2	11.6	389.8
2007	16.4	0	2.8	4.4	615.6	10.4	2	651.6
2008	.6	1.6	2.4	7.2	289.4	4.2	22	327.5
2009	28.1	12	17.4	17.8	39.6	90.6	12.6	218.1
2010	4.1	12.4	12.1	34.5	19	57.7	42	181.8
2011	.2	1.2	.4	1.2	40.9	15	2	60.9
<b>WIDGEON GRASS:</b>								
Year 2002	18.6	42.8	33.8	5.4	41.4	47.4	11.4	200.8
2003	27.9	78	87.7	20.6	130.8	55	13.4	413.4
2004	3	4.8	0	1.6	4.4	12.6	30.6	57
2005	65	12	36.6	33.6	306.8	67.6	25.6	547.2
2006	66.5	5	41.5	8.4	229.6	17.2	10	378.2
2007	18	0	.8	.5	221.8	9.6	2	253.2
2008	5.4	.4	1.6	6.8	262.6	6.6	15	298.2
2009	36.4	20	30	42.8	281.6	78.8	15	504.6
2010	14.3	7.2	19.1	47.7	6.3	41.8	78.8	215.2
2011	.4	2.4	4	10.8	433.1	73.6	14.4	538.7

**OTHER SPECIES:**

Year	2010	11.2	1.5	37.4	44.4	6.7	78.5	102.2	281.9
	2011	1.4	4.4	3.6	2	174	67.4	15.6	268.4

**CAMP LAKE TOTAL HARVESTER LOADS MILFOIL, WIDGEON GRASS & OTHER SPECIES:**

Location:	CA 1	CA 2	CA 3	CA 4	CA 5	CA 6	CA 7	TOTAL	
Year	2002	140	192.9	216	36	382	241	64	1,271.9
	2003	132.9	247	220.7	54	480.4	150	56	1,341
	2004	6	21.6	4	8	32	56.6	80.2	108.4
	2005	137.4	45	52	88	810	131.6	39	1,303
	2006	74.8	21	51	32	543.4	24.2	21.2	768
	2007	34.4	0	3.6	5.4	837.4	40	4	904.8
	2008	6	2	4	13.8	552	11	37	625.8
	2009	64.4	32	47.4	60.6	321.3	169.4	27.6	722.7
	2010	29.6	34.6	68.6	126.6	32	178	223	692.4
	2011	2	8	8	14	648	156	32	868

**CENTER LAKE  
HARVESTER LOAD SUMMARY  
BY AQUATIC SPECIES**

Location:	CE 1	CE 2	CE 3	CE 4	CE 5	CE 6	CE 7	TOTAL
<b>MILFOIL:</b>								
Year: 2002	47.5	22.6	11.75	3.6	18.9	47.8	14.4	166.55
2003	52.9	26	26.8	21.5	16.4	46.2	10.8	200.6
2004	61.6	16.6	18.2	29.8	8.4	109.4	79.8	323.8
2005	129.8	14	8.6	10.6	26.6	39	40	268.6
2006	46.8	26	3	1.5	9.8	5.8	5.6	98.5
2007	6.5	0	0	0	3	6.4	7	22.9
2008	60.6	.8	3.6	7.5	3	7	2.8	85.2
2009	11.2	0	0	0	1.6	15.2	4.6	32.6
2010	19.9	4.8	0	1.4	0	1.2	0	27.3
2011	5.2	0	.6	0	0	0	0	5.8
<b>WIDGEON GRASS &amp; OTHER SPECIES:</b>								
Year: 2002	7	2.4	1.25	.4	2.1	8.2	1.6	22.45
2003	11.1	4	4.2	4.5	2.6	24.8	3.2	54.4
2004	14.4	9.4	3.8	6.2	1.6	44.6	26.2	106.2
2005	10.2	4	4.6	.4	5.4	14.10	0	38.8
2006	.2	0	0	.50	1.2	4.2	2.6	8.7
2007	7.5	0	0	0	0	10	5	22.5
2008	14.4	2.4	.4	.6	3	6	.4	27.2
2009	3	0	0	0	2.4	13.6	3.4	22.4
2010	2.9	.8	0	0	0	0	0	3.7
2011	.3	0	3.1	0	0	0	0	3.4
<b>OTHER SPECIES:</b>								
Year 2010	9.9	2.4	0	.6	0	.8	0	13.7
2011	5.5	0	10.9	0	0	0	0	16.4

**CENTER LAKE TOTAL HARVESTER LOADS MILFOIL, WIDGEON GRASS & OTHER SPECIES:**

Year: 2002	54	25	13	4	21	56	16	189
2003	64	30	31	26	19	71	14	255
2004	76	26	22	36	10	154	106	430
2005	140	18	13.2	12	32	53.2	40	308.4
2006	47	26	3	2	11	10	8.2	107.2
2007	14	0	0	0	3	16.4	12	45.4
2008	75	3	4	8	6	13	3.2	112.2
2009	14.2	0	0	0	4	28.8	8	55
2010	32.7	8	0	2	0	2	0	44.7
2011	11	0	14.6	0	0	0	0	25.6



**TOTAL  
CAMP, CENTER LAKE  
HARVESTER LOAD SUMMARY  
BY AQUATIC SPECIES**

**MILFOIL:**

Year: 2002	1,237.65	
2003	1,128.2	- 9% less than 2002 or 54.7 less loads than 2002
2004	475.2	- 58% less than 2003 or 326.5 less loads than 2003
2005	1,025	+116% more than 2004 or 274.5 more loads than 2004
2006	488.2	- 52% less than 2005 or 268.4 less loads than 2005
2007	674.5	+ 38% more than 2006 or 93.2 more loads than 2006
2008	412.6	- 39% less than 2007 or 131 less loads than 2007
2009	250.8	- 39% less than 2008 or 80 less loads than 2008
2010	209	- 17% less than 2009 or 41.8 less loads than 2009
2011	66.7	- 69% less than 2010 or 142.3 less loads than 2010

**WIDGEON GRASS:**

Year: 2002	223.25	
2003	467.8	+110% more than 2002 or 122 more loads than 2002
2004	163.2	- 65% less than 2003 or 152.3 less loads than 2003
2005	586	+ 258% more than 2004 or 211 more loads than 2004
2006	386.8	- 34% less than 2005 or 99.6 less loads than 2005
2007	275.7	- 29% less than 2006 or 55.6 less loads than 2006
2008	325.4	+ 18% more than 2007 or 24.9 more loads than 2007
2009	527	+ 62% more than 2008 or 100.8 more loads than 2008
2010	218.9	- 58% less than 2009 or 308.1 less loads than 2009
2011	542.1	+ 149% more than 2010 or 323.2 more than 2010

**OTHER SPECIES:**

2010	295.	
2011	285	- 3% less than 2010 or 10 less loads than 2010

**TOTAL HARVESTER LOADS MILFOIL, WIDGEON GRASS & OTHER SPECIES:**

Year: 2002	1,460.9	
2003	1,596	+ 9% more than 2002 or 67.6 more loads than 2002
2004	638.4	- 60% less than 2003 or 479 less Loads than 2003
2005	1,611	+ 152% more than 2004 or 485.6 more loads than 2004
2006	875.2	- 46% less than 2005 or 367.9 less loads than 2005
2007	950.2	+ 9% more than 2006 or 37.5 more loads than 2006
2008	738	- 22% less than 2007 or 106 less loads than 2007
2009	777.8	+ 5% more than 2008 or 19.9 more loads than 2008
2010	728.9	- 7% less than 2009 or 54.8 less loads than 2009
2011	893.5	+ 24% more than 2010 or 170.5 more loads than 2010

**CAMP LAKE  
TONNAGE SUMMARY  
BY AQUATIC SPECIES**

Location:	CA 1	CA 2	CA 3	CA 4	CA 5	CA 6	CA 7	TOTAL
<b>MILFOIL TONNAGE:</b>								
Year: 2002	242.8	300.2	364.4	61.2	681.2	387.2	105.2	2,142.2
2003	210	338	266	66.8	699.2	190	85.2	1,855.2
2004	6	33.8	8	12.8	55.2	88	99.2	302.8
2005	145	64.2	30.8	110.8	1,006.5	127.8	27	1,512
2006	16	32	19	47.2	627.6	14.4	23.2	779.4
2007	32.8	0	5.6	8.8	1,251.2	20.8	4	1,303.2
2008	1.2	3.2	4.8	14.4	578.8	8.4	44	655
2009	56.2	24	34.8	35.6	79.2	181.2	25.2	438
2010	8.2	24.8	24.2	69	38	115.4	84	363.6
2011	.4	2.4	.8	2.4	81.8	30	4	121.8

**WIDGEON GRASS TONNAGE:**

Year: 2002	37.2	85.6	67.6	10.8	82.8	94.8	22.8	401.6
2003	55.8	156	175.4	41.2	261.6	110	26.8	826.8
2004	6	9.6	0	3.2	8.8	25.2	61.2	114
2005	130	23.8	73.2	67	613.6	135.2	51	1,093.8
2006	133	10	83	16.8	459.2	34.4	30	636.7
2007	36	0	1.6	2	443.6	19.2	4	506.4
2008	10.8	.8	3.2	13.6	525.2	13.2	30	596.4
2009	72.8	40	60	85.6	563.2	157.6	30	1,009.2
2010	28.6	14.4	38.2	95.4	12.6	83.6	157.6	430.4
2011	.8	4.8	8	21.6	866.2	147.2	28.8	1077.4

**OTHER SPECIES TONNAGE:**

2010	22.4	3	74.8	88.8	13.4	157	204.4	563.8
2011	2.8	8.8	7.2	4	348	134.8	31.2	536.8

**CAMP LAKE TOTAL TONNAGE MILFOIL & WIDGEON GRASS:**

Year: 2002	280	385.8	432	72	764	482	128	2,543.8
2003	265.8	494	441.4	108	960.8	300	112	2,682
2004	12	43.2	8	16	64	113.2	160.4	416.8
2005	275	88	104	177.8	1,620.1	263	78	2,605.8
2006	149.6	42	102	64	1,086.8	48.4	42.4	1,536
2007	68.8	0	7.2	10.8	1,674.8	40	8	1,810
2008	12	4	8	28	1,104	21.6	74	1,251.4
2009	128.8	64	94.8	121.2	642.6	338.8	55.2	1,445.4
2010	59.2	42.2	137.2	253.2	64	356	446	1,357.8
2011	4	16	16	28	1,296	312	64	1,736

**CENTER LAKE  
TONNAGE SUMMARY  
BY AQUATIC SPECIES**

Location:	CE 1	CE 2	CE 3	CE 4	CE 5	CE 6	CE 7	TOTAL
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**MILFOIL TONNAGE:**

Year: 2002	95	45.2	23.5	7.2	37.8	95.6	28.8	333.1
2003	105.8	52	53.6	43	32.8	92.4	21.6	401.2
2004	123.2	33.2	36.4	59.6	16.8	218.8	159.6	647.6
2005	259.4	28	17	21.2	53.2	77.8	79.8	536.4
2006	93.6	52	6	3	19.6	11.6	11.2	197
2007	13	0	0	0	6	12.8	14	45.8
2008	121.2	1.6	7.2	15	6	14	5.6	170.4
2009	22.4	0	0		3.2	30.4	9.2	65.2
2010	39.8	9.6	0	2.8	0	2.4	0	54.6
2011	10.3	0	1.2	0	0	0	0	11.5

**WIDGEON GRASS SPECIES TONNAGE:**

Year: 2002	13	4.8	2.5	.8	4.2	16.4	3.2	44.9
2003	22.2	8	8.4	9	5.2	49.6	6.4	108.8
2004	28.8	18.8	7.6	12.4	3.2	89.2	52.4	212.4
2005	20.4	7.8	9	.8	10.8	28.2	0	77.0
2006	.4	0	0	1	2.4	8.4	5.2	17.4
2007	15	0	0	0	0	20	10	45
2008	28.8	4.8	.8	10	6	12	.8	54.4
2009	6	0	0	0	4.8	27.2	6.8	44.8
2010	5.8	1.6	0	0	0	0	0	7.4
2011	.6	0	6.2	0	0	0	0	16.4

**OTHER SPECIES TONNAGE:**

2010	19.8	4.8	0	1.2	0	1.2	0	27
2011	11	0	21.8	0	0	0	0	32.8

**CENTER LAKE TOTAL TONNAGE MILFOIL, WIDGEON GRASS & OTHER SPECIES:**

Year: 2002	108	50	26	8	42	112	32	378
2003	128	60	62	52	38	142	28	510
2004	152	52	44	72	20	308	212	860
2005	279.8	35.8	26	22	64	106	79.8	613.4
2006	94	52	6	4	22	20	16.4	214.4
2007	28	0	0	0	6	32.8	24	90.8
2008	150	6	8	16	12	26	6.4	224.4
2009	28.4	0	0	0	8	56.8	16	110
2010	65.4	16	0	4	0	3.6	0	89
2011	22	0	29.2	0	0	0	0	51.2

**EXHIBIT III**

**TOTAL  
CAMP, CENTER LAKE  
TONNAGE SUMMARY  
BY AQUATIC SPECIES  
TONNAGE:**

**MILFOIL:**

Year: 2002	2,475.3	
2003	2,256.4	- 9% or 218.9 tons less than 2002
2004	950.4	- 58% or 1,306 tons less than 2003
2005	2,048.5	+ 116% or 1,098.1 tons more than 2004
2006	976.4	- 52% or 1,072.1 tons less than 2005
2007	1,349	+ 38% or 372.6 tons more than 2006
2008	825.4	- 39% or 523.6 tons less than 2007
2009	501.6	- 39% or 323.8 tons less than 2008
2010	418.2	- 17% or 83.4 tons less than 2009
2011	133.4	- 69% or 285 tons less than 2010

**WIDGEON GRASS SPECIES:**

Year: 2002	446.5	
2003	935.6	+ 110% or 489.1 tons more than 2002
2004	326.4	- 65% or 609.2 tons less than 2003
2005	1,170.8	+ 258% or 844.4 tons more than 2004
2006	773.6	- 34% or 397.2 tons less than 2005
2007	551.4	- 29% or 222.2 tons less than 2006
2008	650.8	+ 18% or 99.4 tons more than 2007
2009	1,054	+ 62% or 403.2 tons more than 2008
2010	437.8	- 58% or 616.2 tons less than 2009
2011	1,084.2	+ 149% or 646.4 tons more than 2010

**OTHER SPECIES TONNAGE:**

2010	590.8	
2011	569.6	- 3% or 21.2 tons less than 2010

**TOTAL TONNAGE MILFOIL, WIDGEON GRASS & OTHER SPECIES:**

Year: 2002	2,921.8	
2003	3,192	+ 9% or 270.2 tons more than 2002
2004	1,276.8	- 60% or 1,915.2 tons less than 2003
2005	3,219.3	+ 152% or 1,942.5 tons more than 2004
2006	1,750.4	- 46% or 1,468.9 tons less than 2005
2007	1,900.4	+ 9% or 150 tons more than 2006
2008	1,476.2	- 22% or 424.2 tons less than 2007
2009	1,555.6	+ 5% or 79.4 tons more than 2008
2010	1,446.8	- 7% or 108.8 tons less than 2009
2011	1,787	+ 24% or 340 tons more than 2010