



Upper Peninsula Power Company

700 North Adams Street
P.O. Box 19001
Green Bay, WI 54307-9001

www.uppco.com

January 21, 2011

FERC Project No. 10855

Ms. Kimberly D. Bose, Secretary
The Federal Energy Regulatory Commission
888 First Street NE
Washington, DC 20426

Dear Secretary Bose:

Dead River Hydroelectric Project No. 10855 Wildlife Management Plan Article 411

As per the February 17, 2005 Federal Energy Regulatory Commission (FERC) order modifying and approving the Dead River Hydroelectric Project Wildlife Management Plan, UPPCO is submitting an update on the Wildlife Management Plan and Bald Eagle Management results. In addition, UPPCO is providing the results of the three years of wildlife success surveys.

Wildlife Management Plan

The Wildlife Management Plan was discussed during the annual resource agency meetings held on February 12, 2009 and March 24, 2010. During the 2009 resource agency meeting the distribution of the wildlife structures to adjacent property owners and information on nesting success was discussed. During the 2010 resource agency meeting, UPPCO discussed their intent to provide information to justify the discontinuing of maintenance on certain species nesting structures as outlined in the Wildlife Management Plan.

UPPCO has been providing postcards and letters to the Dead River Campers Association (DRCA) and the McClure Basin Owners Association (MBOA) containing information on proper maintenance of wood duck and owl nesting boxes and how to provide success information to UPPCO. The letters and postcards were provided to the DRCA on April 18, 2009 and April 17, 2010 and to the MBOA on November 18, 2009 and March 13, 2010.

On November 18, 2009 UPPCO provided watershed improvement brochures specifically created for the MBOA and Dead River Campers, Inc (DRCI), respectively. The brochures included information on existing wildlife habitat improvements on the reservoirs, information on the proper installation of nesting boxes and the importance of maintaining woody debris on the lakeshore. Per a request by the DRCA, UPPCO provided 300 additional brochures to the DRCA to be distributed to their members during their annual spring celebration.

UPPCO completed annual wildlife structure success surveys and maintenance activities at the Dead River Hydroelectric Project. No wildlife nesting activity was observed from the various structures at the Hoist or Silver Lake reservoir. For the second straight year, UPPCO did not have bluebird or kestrel nesting boxes installed at the McClure reservoir. These structures were intentionally removed in 2009 in order to accommodate the expansion of the McClure penstock

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corridor. The project is near completion, and the bluebird and kestrel nesting boxes will be re-installed in 2011.

Bald Eagle Management

A survey for Bald Eagle nests within the Dead River Project was completed in conjunction with the invasive species surveys in 2010. A survey of all three reservoirs was conducted August 4th through August 5th, 2010. One bald eagle nest was again observed at the Hoist Reservoir. Additionally, information provided by the U.S. Fish & Wildlife Service (FWS) on December 12, 2010 confirmed that the nest located at the Hoist Reservoir was active in 2010, producing 2 eaglets.

On April 13, 2010, UPPCO provided information concerning the bald eagle nest location and the FWS National Bald Eagle Management guidelines to the property owner (DRCI). On August 4, 2010, UPPCO representatives met with the DRCI. The bald eagle nest location was discussed and UPPCO asked if additional information would be needed concerning the nest or questions the DRCI may have concerning management. DRCI indicated that the information provided was sufficient and UPPCO would be contacted if questions arise. A copy of the letter provided to DRCI is included as Appendix A.

Three-Year Survey Results

The initial wildlife nest structure surveys were completed either in 2007 or 2008, depending on when the structures were to be installed per the structure installation schedule. Since that time, the nesting structure success has remained extremely low, with less than 10% success observed for every target species. A breakdown of the survey results is provided as follows:

Owl Nesting Boxes

Owl nesting boxes located at Silver Lake have been surveyed since 2008. In three years of surveying, no owl species have been observed using the nesting structures. No activity was reported from the owl nesting structures in 2008 and 2010. In 2009, leaves associated with squirrel nests were observed in one structure. Squirrel is not a target species. After three years of surveying, no successful owl nesting box was observed. The total success for each year of surveying is less than 10%.

Bat House

A total of three bat houses are located at the project, one bat house at each reservoir. Bat house surveys started in 2007 for the McClure Reservoir and in 2008 for Hoist and Silver Lake. In each of the surveys, no bat activity was reported. After three years of surveying, no successful bat house was observed. The total success for each year of surveying is less than 10%.

Purple Martin House

One purple martin house is located at the Hoist reservoir. Surveying of the purple martin house started in 2008. No activity has been observed in three years of surveys. The total success for each year of surveying is less than 10%.

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Kestrel and Bluebird Nesting Boxes

Kestrel and bluebird nesting boxes have been surveyed annually at the Hoist and Silver Lake reservoirs since 2007. However, in 2009 kestrel nesting boxes were removed to accommodate the expansion of the McClure Penstock corridor. UPPCO will continue to monitor these wildlife nest structures until three years of surveys have been conducted.

Remaining Wildlife Nesting Structures

Success surveys were also completed for the wood duck nesting boxes located at the Silver Lake reservoir and mallard nesting cones and loon nesting platforms at both the Silver Lake and Hoist reservoirs beginning in 2007. None of the surveys revealed successful nesting by the target species.

Conclusion

Per the order modifying and approving Wildlife Management Plan, UPPCO is discontinuing the maintenance of nesting structures for owl nesting box, bat house and purple martin houses. The kestrel nesting boxes and bluebird nesting boxes will be surveyed until a total of three surveys has been conducted.

A summary of the wildlife nesting structure surveys is provided as Appendix B. The annual survey results from 2007 through 2010 are also included. It should be noted that in the annual survey results, any reference to old nest, leaves and debris refers to squirrel use and not to a target wildlife species.

Appendix C includes documentation of consultation with the Resource Agencies. No comments were received from the resource agencies.

Should you have any questions relative to this material, please do not hesitate to contact Jamie Nuthals at (920) 433-1460.

Sincerely,



Terry P. Jensky
Vice President - Energy Supply Operations
for Wisconsin Public Service

Enc.

cc: Mr. Gil Snyder, WPS - D2
Mr. Bob Meyers, UPPCO - UISC

Mr. Howard Giesler, WPS - PUL
Mr. Virgil Schlorke, UPPCO - UISC

APPENDIX A

BALD EAGLE INFORMATION LETTER TO DRCI

APPENDIX B

WILDLIFE STRUCTURE SURVEY SUMMARY (2007-2010)

APPENDIX C
DOCUMENTATION OF CONSULTATION



Upper Peninsula Power Comp:
(a subsidiary of Integrys Energy Group)
700 North Adams Street
P.O. Box 19001
Green Bay, WI 54307-9001

April 13, 2010

Mr. Peter Dishnow
Dead River Campers Inc.
P.O. Box 323
Ishpeming, MI 49849

RE: Bald Eagle Nest located on Dead River Campers, Inc. Property

Dear Mr. Dishnow:

As per the Dead River Hydroelectric Project Wildlife Management Plan, Upper Peninsula Power Company (UPPCO) is to provide the a site location figure of any bald eagle nest observed on land not owned by UPPCO within the project boundary to the property owner.

During the annual summer surveys, UPPCO observed a bald eagle nest on Dead River Campers, Inc. property. Figure 1 includes the bald eagle location.

Additionally, UPPCO is providing the U.S Fish & Wildlife Service (FWS) National Bald Eagle Management Guidelines for your reference.

If you have any questions concerning the information provided, please contact me at your earliest convenience.

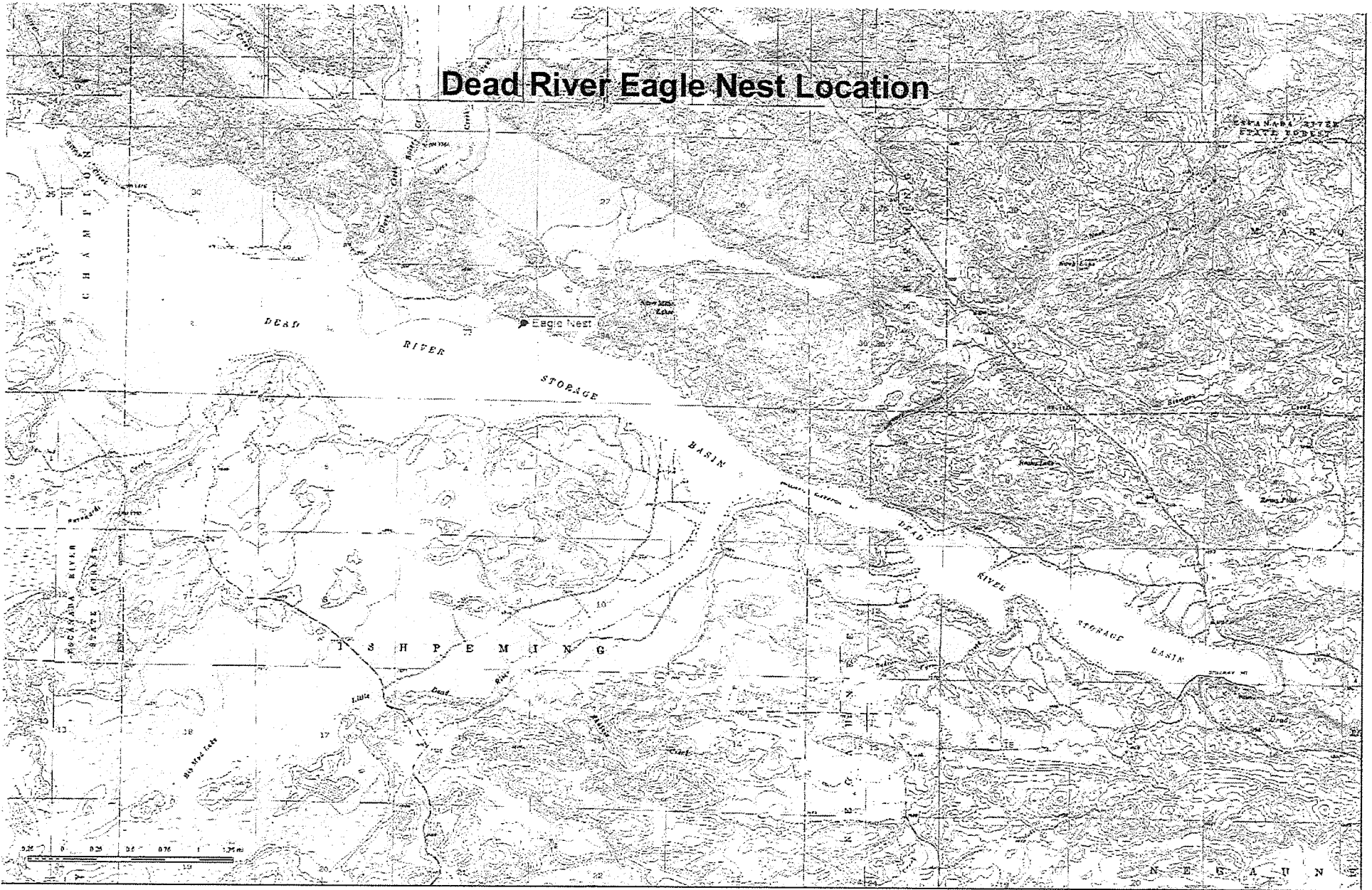
Sincerely,

A handwritten signature in black ink, appearing to read "J. Nuthals", is written over a horizontal line.

Jamie Nuthals
Environmental Services-
Natural Resource Management
UPPCO
(920) 433-1460

FIGURE 1

Dead River Eagle Nest Location



Bald Eagle 2008				
Dead River				
Number	Waypoint	Date	Latitude	Longitude
1	Eagle Nest	August 6, 2008	46° 36.081	87° 40.748

Dead River Project Wildlife Structures (GPS Coordinates)

Structures	Coordinates		Activity Oct. 2007	Oct. 2008	Oct. 2009	Oct. 2010
<u>Hoist</u>						
<u>Blue Bird</u>						
	North	West				
1	46 33 500	87 33 896	Nothing	Old Squirrel	Nothing	No Activity
2	46 33 513	87 33 836	leaves	Nothing	Nothing	No Activity
3	46 33 525	87 33 828	Nothing	Old Nest	Nothing	No Activity
4	46 33 526	87 33 827	Nothing	Old Nest	Nothing	No Activity
5	46 33 530	87 33 795	Nothing	Bird Nest	Nothing	No Activity
6	46 33 537	87 33 772	Nothing	Nothing	Nothing	No Activity
7	46 33 554	87 33 769	Nothing	Nothing	Nothing	No Activity
8	46 33 482	87 33 926	Nothing	Spider Web	Nothing	Replaced
9	46 33 462	87 33 996	Nothing	Old Nest	Nothing	Replaced
10	46 33 426	87 34 113	leaves	Spider Web	Nothing	No Activity
11	46 33 398	87 34 182	Nothing	Nothing	Nothing	No Activity
12	46 33 129	87 34 129	Nothing	Nothing	Nothing	No Activity
<u>Mallard Nesting Cones</u>						
1	46 36 404	87 42 356	Nothing	Nothing	Nothing	No Activity
2	46 36 362	87 42 354	Nothing	Nothing	Nothing	No Activity
3	46 36 293	87 42 417	Nothing	Nothing	Nothing	No Activity
4	46 36 177	87 42 488	Nothing	Nothing	Nothing	No Activity
5	*46 36 066	87 42 536	Nothing	Missing	Gone- New Locations	No Activity
6	*46 35 904	87 42 537	Nothing	Nothing	Gone- New Locations	No Activity
7	*46 36 402	87 43 803	Nothing	Missing	Gone - New Locations	No Activity
8	*46 35 965	87 42 468	N/A	Nothing	Gone- New Locations	No Activity
9	*46 36 372	87 43 803	N/A	Nothing	Nothing	Gone- New Location
10	46 36 362	87 42 354	N/A	Nothing	Nothing	No Activity
11	46 36 293	87 42 417	N/A	Nothing	Nothing	No Activity
12	46 36 177	87 42 488	N/A	Nothing	Nothing	No Activity
13	46 36 066	87 42 536	N/A	Nothing	Nothing	No Activity
14	46 35 904	87 42 537	N/A	Nothing	Nothing	No Activity
15	46 35 825	87 42 374	N/A	Nothing	Nothing	No Activity
16	46 35 468	87 42 468	N/A	Nothing	Nothing	No Activity
17	46 36 006	87 43 445	N/A	Nothing	Nothing	Replaced
18	46 36 044	87 43 524	N/A	Nothing	Nothing	No Activity
19	46 36 063	87 43 596	N/A	Nothing	Nothing	No Activity
20	46 36 072	87 43 640	N/A	Nothing	Nothing	No Activity
21	46 36 103	87 43 716	N/A	Nothing	Nothing	No Activity
22	46 36 127	87 43 800	N/A	Nothing	Nothing	No Activity
23	46 36 144	87 43 825	N/A	Nothing	Nothing	No Activity
24	46 36 170	87 43 851	N/A	Nothing	Nothing	No Activity
25	46 36 099	87 43 686	N/A	Nothing	Nothing	Replaced
26	46 36 219	87 43 721	N/A	Nothing	Nothing	No Activity
27	46 36 296	87 43 755	N/A	Nothing	Nothing	No Activity
28	46 36 326	87 43 795	N/A	Nothing	Nothing	No Activity
29	* 46 36 400	87 43 835	N/A	Nothing	Nothing	Gone- New Location
30	46 36 436	87 43 877	N/A	Needs Repair	Nothing	Replaced
31	46 36 480	87 43 009	N/A	Nothing	Nothing	No Activity
32	46 36 527	87 43 124	N/A	Needs Repair	Nothing	Replaced
<u>Loon Nest</u>						
1	46 36 067	87 43 627	N/A	No Activity	No Activity	No Activity
<u>Bat House</u>						
1	46 33 768	87 34 131	N/A	No Activity	No Activity	No Activity
<u>Kestrel</u>						
1	46 33 754	87 34 278	N/A	No Activity	No Activity	No Activity
2	46 33 155	87 31 118	N/A	Nothing	Nothing	No Activity
<u>Purple Martin</u>						
1	46 33 746	87 34 130	N/A	Nothing	**No Activity	No Activity
<u>Osprey</u>						
1	46.565036	87.56467	N/A	Nothing	**No Activity	**No Activity
<u>McClure</u>						
<u>Blue Bird</u>						
1	46 33 207	87 31 113	Nothing	Nothing	Removed	Removed
2	46 33 199	87 31 109	Nothing	Nothing	Removed	Removed
3	46 33 213	87 31 067	Old Nest	Nothing	Removed	Removed

	4	46 33 234	87 31 017	Nothing	Nothing	Removed	Removed
	5	46 33 240	87 30 985	Debris	Nothing	Removed	Removed
	6	46 33 246	87 30 973	Nothing	Nothing	Removed	Removed
	7	46 33 256	87 30 932	Nothing	Nothing	Removed	Removed
	8	46 33 253	87 30 918	Nothing	Nothing	Removed	Removed
	9	46 33 263	87 30 874	Leaves	Nothing	Removed	Removed
	10	46 33 265	87 30 871	Nothing	Nothing	Removed	Removed
	11	46 33 270	87 30 832	Nothing	Spider Web	Removed	Removed
	12	46 33 297	87 30 774	Nothing	Nothing	Removed	Removed
	13	46 33 322	87 30 746	Nothing	Leaves	Removed	Removed
	14	46 33 365	87 30 712	Leaves	Nothing	Removed	Removed
	15	46 33 380	87 30 703	Nothing	Missing	Removed	Removed
<u>Bat House</u>							
	1	46 33 194	87 31 162	Nothing	Woodpecker Damage; Spider Web	No Activity	**No Activity
<u>Osprey</u>							
	1	46 33 115	87 31 258	N/A	No Activity	No Activity	**No Activity
<u>Kestrel</u>							
	1	46 33 187	87 31 083	N/A	No Activity	Removed	Removed
	2	46 33 134	87 31 130	N/A	No Activity	Removed	Removed
	3	46 33 119	87 31 147	N/A	No Activity	Removed	Removed
<u>Silver Lake</u>							
<u>Wood Duck House</u>							
	1	46 39 225	87 48 961	N/A	No Activity	Nothing	No Activity
	2	46 39 449	87 48 630	N/A	No Activity	Nothing	No Activity
	3	46 39 676	87 48 878	N/A	No Activity	Nothing	No Activity
	4	46 39 722	87 48 952	N/A	No Activity	Nothing	No Activity
	5	46 39 748	87 49 003	N/A	No Activity	Nothing	No Activity
	6	46 39 780	87 49 105	N/A	No Activity	Nothing	No Activity
	7	46 39 844	87 49 203	N/A	No Activity	Nothing	No Activity
	8	46 39 957	87 49 437	N/A	No Activity	Nothing	No Activity
	9	46 40 001	87 49 573	N/A	No Activity	Leaves	No Activity
	10	46 40 061	87 49 715	N/A	No Activity	Nothing	No Activity
	11	46 40 071	87 49 868	N/A	No Activity	Nothing	No Activity
	12	46 40 058	87 49 911	N/A	No Activity	Nothing	No Activity
	13	46 39 949	87 49 924	N/A	No Activity	Leaves	No Activity
	14	46 39 875	87 50 032	N/A	No Activity	Nothing	No Activity
	15	46 39 698	87 50 194	N/A	No Activity	Nothing	No Activity
	16	46 39 669	87 50 272	N/A	No Activity	Nothing	No Activity
	17	46 39 682	87 50 390	N/A	No Activity	Nothing	No Activity
	18	46 39 703	87 50 480	N/A	No Activity	Nothing	No Activity
	19	46 39 723	87 50 595	N/A	No Activity	Nothing	No Activity
	20	46 39 738	87 50 634	N/A	No Activity	Leaves	No Activity
	21	46 39 743	87 50 769	N/A	No Activity	Nothing	No Activity
	22	46 39 750	87 50 798	N/A	No Activity	Nothing	No Activity
	23	46 39 933	87 51 028	N/A	No Activity	Nothing	No Activity
	24	46 39 966	87 51 066	N/A	No Activity	Nothing	No Activity
	25	46 39 985	87 51 113	N/A	No Activity	Nothing	No Activity
	26	46 40 017	87 51 232	N/A	No Activity	Leaves	No Activity
	27	46 40 042	87 51 266	N/A	No Activity	Nothing	No Activity
	28	46 40 156	87 52 123	N/A	No Activity	Nothing	No Activity
	29	46 40 169	87 52 056	N/A	No Activity	Nothing	No Activity
	30	46 40 239	87 51 720	N/A	No Activity	Nothing	No Activity
	31	46 40 185	87 51 719	N/A	No Activity	Nothing	No Activity
	32	46 40 165	87 51 802	N/A	No Activity	Nothing	No Activity
	33	46 40 168	87 51 830	N/A	No Activity	Nothing	No Activity
	34	46 40 162	87 51 831	N/A	No Activity	Nothing	No Activity
	35	47 40 162	87 52 156	N/A	No Activity	Nothing	No Activity
	36	46 40 152	87 51 471	N/A	No Activity	Leaves	No Activity
	37	46 40 164	87 51 498	N/A	No Activity	Nothing	No Activity
	38	46 39 072	87 50 918	N/A	No Activity	Nothing	No Activity
	39	46 39 114	87 50 891	N/A	No Activity	Leaves	No Activity
	40	46 39 101	87 50 850	N/A	No Activity	Nothing	No Activity
	41	46 39 130	87 49 586	N/A	No Activity	Nothing	No Activity
<u>Owl Structures</u>							
	1	46 39 231	87 48 923	N/A	No Activity	Nothing	No Activity
	2	46 39 305	87 48 687	N/A	No Activity	Nothing	No Activity
	3	46 39 614	87 48 734	N/A	No Activity	Nothing	No Activity
	4	46 39 746	87 49 005	N/A	No Activity	Nothing	No Activity
	5	46 39 759	87 49 072	N/A	No Activity	No Activity	No Activity
	6	46 39 804	87 49 150	N/A	No Activity	Nothing	No Activity

7	46 39 864	87 49 246	N/A	No Activity	Nothing	No Activity
8	46 39 974	87 49 246	N/A	No Activity	No Activity	No Activity
9	46 40 012	87 49 622	N/A	No Activity	Nothing	No Activity
10	46 40 085	87 49 809	N/A	No Activity	Nothing	No Activity
11	46 39 999	87 49 921	N/A	No Activity	No Activity	No Activity
12	46 39 911	87 49 978	N/A	No Activity	Nothing	No Activity
13	46 39 836	87 50 086	N/A	No Activity	Nothing	No Activity
14	46 39 751	87 50 166	N/A	No Activity	Nothing	No Activity
15	46 39 670	87 50 247	N/A	No Activity	No Activity	No Activity
16	46 39 747	87 50 718	N/A	No Activity	No Activity	No Activity
17	46 39 763	87 50 829	N/A	No Activity	Nothing	No Activity
18	46 39 996	87 51 186	N/A	No Activity	No Activity	No Activity
19	46 40 082	87 51 281	N/A	No Activity	Nothing	No Activity
20	46 40 228	87 51 716	N/A	No Activity	Nothing	No Activity
21	46 40 166	87 51 910	N/A	No Activity	Nothing	No Activity
22	46 40 160	87 51 995	N/A	No Activity	No Activity	No Activity
23	46 39 093	87 50 868	N/A	No Activity	Nothing	No Activity
24	46 39 023	87 49 476	N/A	No Activity	Nothing	No Activity
25	46 39 096	87 49 474	N/A	No Activity	Nothing	No Activity
26	46 39 199	87 49 752	N/A	No Activity	Nothing	No Activity
27	46 39 182	87 49 862	N/A	No Activity	No Activity	No Activity
28	46 39 158	87 49 944	N/A	No Activity	Nothing	No Activity
29	46 39 121	87 50 011	N/A	No Activity	Nothing	No Activity
30	46 39 075	87 49 999	N/A	No Activity	Nothing	No Activity
31	46 39 169	87 49 843	N/A	No Activity	Nothing	No Activity
32	46 39 163	87 49 843	N/A	No Activity	Nothing	Replaced
33	46 39 111	87 50 000	N/A	No Activity	Nothing	Replaced
34	46 39 058	87 50 015	N/A	No Activity	Nothing	Replaced
Kestrel						
1	46 38 933	87 49 868	No Activity	No Activity	No Activity	No Activity
2	*46 39059	87 50 134	No Activity	Gone	Gone-New Location	Gone-New Location
Bat House						
1	46 38 884	87 49 923	N/A	No Activity	No Activity	No Activity
Loon Nest						
1	46 39 049	87 48 808	N/A	No Activity	No Activity	No Activity
Osprey						
1	46 39 125	87 50 867	N/A	No Activity	No Activity	No Activity
Mallard						
1	46 40 228	87 51 676	Nothing	Nothing	Nothing	No Activity
2	46 40 181	87 51 663	Nothing	Nothing	Nothing	No Activity
3	46 40 151	87 51 548	Nothing	Nothing	Nothing	No Activity
4	46 40 079	87 51 406	Nothing	Nothing	Nothing	No Activity
5	46 39 774	87 50 900	Nothing	Missing	Nothing	No Activity
6	46 39 738	87 50 760	Nothing	Nothing	Nothing	No Activity
7	46 39 693	87 50 591	Nothing	Nothing	Nothing	No Activity
8	46 39 694	87 50 505	Nothing	Nothing	Nothing	No Activity
9	46 39 668	87 50 296	Nothing	Needs Repair	Nothing	No Activity
10	46 39 708	87 50 169	Nothing	Nothing	Nothing	No Activity
11	46 39 741	87 50 156	Nothing	Nothing	Nothing	No Activity
12	46 39 804	87 50 097	Nothing	Nothing	Nothing	No Activity
13	46 39 686	87 50 437	Nothing	Missing	Nothing	No Activity
14	46 39 838	87 50 056	Nothing	Nothing	Nothing	No Activity
15	46 39 882	87 49 975	Nothing	Nothing	Nothing	No Activity
Bluebird						
1	* 46 39 036	87 50 052	N/A	Gone	Gone	Gone-New Location
2	46 38 950	87 49 856	N/A	Nothing	Leaves	No Activity
3	46 38 877	87 49 932	N/A	Nothing	Nothing	No Activity
4	46 39 126	87 50 886	N/A	Leaves	Leaves	No Activity
5	46 39 123	87 50 896	N/A	Nothing	Nothing	No Activity
6	46 39 098	87 50 931	N/A	Old Nest	squirrel	Replaced
7	46 39 092	87 50 841	N/A	Nothing	Nothing	No Activity
8	46 39 078	87 50 851	N/A	Nothing	Nothing	No Activity
9	46 39 079	87 50 858	N/A	Spider Web	Leaves	No Activity
10	46 39 074	87 50 905	N/A	Nothing	Nothing	No Activity

* Indicates Change in Location

** Indicates Surveys Completed in conjunction with invasive species surveys

Dead River-Hoist Wildlife Structure (GPS Coordinates)

Structures	Coordinates	Date	10/1/2007
Bat House			
#1	N 46 33.768' W 87 34.131'		
Bluebird House			
#1	N 46 33.500' W 87 33.896'		Nothing
#2	N 46 33.513' W 87 33.836'		Leaves
#3	N 46 33.525' W 87 33.828'		Nothing
#4	N 46 33.526' W 87 33.827'		Old Nest
#5	N 46 33.530' W 87 33.795'		Nothing
#6	N 46 33.537' W 87 33.772'		Nothing
#7	N 46 33.554' W 87 33.769'		Nothing
#8	N 46 33.482' W 87 33.926'		Nothing
#9	N 46 33.462' W 87 33.996'		Nothing
#10	N 46 33.426' W 87 34.113'		Leaves
#11	N 46 33.398' W 87 34.182'		Nothing
#12	N 46 33.458' W 87 33.129'		Nothing
Mallard Nesting Cones			
#1	N 46 36.404' W 87 42.356'		Nothing
#2	N 46 36.362' W 87 42.354'		Nothing
#3	N 46 36.293' W 87 42.417'		Nothing
#4	N 46 36.177' W 87 42.488'		Nothing
#5	N 46 36.066' W 87 42.536'		Nothing
#6	N 46 35.904' W 87 42.537'		Nothing
#7	N 46 35.825' W 87 42.374'		Nothing
#8	N 46 35.965' W 87 42.468'		Nothing
#9	N 46 36.006' W 87 43.445'		
#10	N 46 36.044' W 87 43.524'		
#11	N 46 36.063' W 87 43.596'		
#12	N 46 36.072' W 87 43.640'		
#13	N 46 36.103' W 87 43.716'		
#14	N 46 36.127' W 87 43.800'		
#15	N 46 36.144' W 87 43.825'		
#16	N 46 36.006' W 87 43.445'		
#17	N 46 36.044' W 87 43.524'		
#18	N 46 36.063' W 87 43.596'		
#19	N 46 36.072' W 87 43.640'		
#20	N 46 36.103' W 87 43.716'		
#21	N 46 36.127' W 87 43.800'		
#22	N 46 36.144' W 87 43.825'		
#23	N 46 36.170' W 87 43.851'		
#24	N 46 36.099' W 87 43.686'		
Loon Nest			
#1	N 46 36.067' W 87 43.627'		
Kestrel			
#1	N 46 33.754' W 87 34.278'		
#2	N 46 33.155' W 87 31.118'		
Osprey Nest			
#1	N 46 56.549' W 87 56.394'		

Dead River-McClure Wildlife Structure (GPS Coordinates)

Structures	Coordinates	Date	10/1/2007
Bat House			
#1	N 46 33.194'	W 87 31.162'	Nothing
Bluebird House			
#1	N 46 33.207'	W 87 31.113'	Nothing
#2	N 46 33.199'	W 87 31.109'	Nothing
#3	N 46 33.213'	W 87 31.067'	Old Nest
#4	N 46 33.234'	W 87 31.017'	Nothing
#5	N 46 33.240'	W 87 30.985'	Debris
#6	N 46 33.246'	W 87 30.973'	Nothing
#7	N 46 33.256'	W 87 30.932'	Nothing
#8	N 46 33.253'	W 87 30.918'	Nothing
#9	N 46 33.263'	W 87 30.874'	Leaves
#10	N 46 33.265'	W 87 30.871'	Nothing
#11	N 46 33.270'	W 87 30.832'	Nothing
#12	N 46 33.297'	W 87 30.774'	Nothing
#13	N 46 33.322'	W 87 30.746'	Nothing
#14	N 46 33.365"	W 87 30.712'	Leaves
#15	N 46 33.380'	W 87 30.703'	Nothing
Kesteral			
#1	N 46 33.187'	W 87 31.083'	
#2	N 46 33.134'	W87 31.130'	
#3	N 46 33.119'	W87 31.147'	
Osprey			
#1	N 46 33.115'	W 87 31.258'	

Dead River-Silver Lake Wildlife Structure (GPS Coordinates)

Structures	Coordinates	Date	10/1/2007
Bat House			
#1	N 46 38.884' W 87 49.923'		Nothing
Mallard Nesting Cones			
#1	N 46 40.228' W 87 51.676		Nothing
#2	N 46 40.181' W 87 51.633'		Nothing
#3	N 46 40.151' W 87 51.548'		Nothing
#4	N 46 40.079' W 87 51.406'		Nothing
#5	N 46 39.774' W 87 50.900'		Nothing
#6	N 46 39.738' W 87 50.760'		Nothing
#7	N 46 39.693' W 87 50.591'		Nothing
#8	N 46 39.694' W 87 50.505'		Nothing
#9	N 46 39.668' W 87 50.296'		Nothing
#10	N 46 39.708' W 87 50.169'		Nothing
#11	N 46 39.741' W 87 50.156'		Nothing
#12	N 46 39.804' W 87 50.097'		Nothing
#13	N 46 39.686' W 87 50.437'		Nothing
#14	N 46 39.838 W 87 50.056'		Nothing
#15	N 46 39.892' W 87 49.975'		Nothing
Bluebird House			
#1	N 46 38.926' W 87 49.883'		
#2	N 46 38.950' W 87 49.856'		
#3	N 46 38.877' W 87 49.932'		
#4	N 46 39.126' W 87 50.886'		
#5	N 46 39.123' W 87 50.896'		
#6	N 46 39.098' W 87 50.931'		
#7	N 46 39.092' W 87 50.841'		
#8	N 46 39.078' W 87 50.851'		
#9	N 46 39.079' W 87 50.858'		
#10	N 46 39.074' W 87 50.905'		
Loon Nest			
#1	N 46 39.490' W 87 48.808'		
Osprey			
#1	N 46 39.125' W 87 50.867'		
Kestrel			
#1	N 46 38.933' W 87 49.868'		No Visual
#2	N 46 40.273' W 87 51.676'		No Visual

Dead River Project Wildlife Structures (GPS Coordinates)

Structures

Coordinates

Activity

Oct. 2008

Hoist

Blue Bird

	<u>North</u>	<u>West</u>	
1	46 33 500	87 33 896	Old Squirrel
2	46 33 513	87 33 836	Nothing
3	46 33 525	87 33 828	Old Nest
4	46 33 526	87 33 827	Nothing
5	46 33 530	87 33 795	Bird Nest
6	46 33 537	87 33 772	Nothing
7	46 33 554	87 33 769	Nothing
8	46 33 482	87 33 926	Spider Web
9	46 33 462	87 33 996	Old Nest
10	46 33 426	87 34 113	Spider Web
11	46 33 398	87 34 182	Nothing
12	46 33 129	87 34 129	Nothing

Mallard Nesting Cones

1	46 36 404	87 42 356	Nothing
2	46 36 362	87 42 354	Nothing
3	46 36 293	87 42 417	Nothing
4	46 36 177	87 42 488	Nothing
5	46 36 066	87 42 536	Missing
6	46 35 904	87 42 537	Nothing
7	46 35 825	87 42 374	Missing
8	46 35 965	87 42 468	Nothing
9	46 36 404	87 42 356	Nothing
10	46 36 362	87 42 354	Nothing
11	46 36 293	87 42 417	Nothing
12	46 36 177	87 42 488	Nothing
13	46 36 066	87 42 536	Nothing
14	46 35 904	87 42 537	Nothing
15	46 35 825	87 42 374	Nothing
16	46 35 468	87 42 468	Nothing
17	46 36 006	87 43 445	Nothing
18	46 36 044	87 43 524	Nothing
19	46 36 063	87 43 596	Nothing
20	46 36 072	87 43 640	Nothing
21	46 36 103	87 43 716	Nothing
22	46 36 127	87 43 800	Nothing
23	46 36 144	87 43 825	Nothing
24	46 36 170	87 43 851	Nothing
25	46 36 099	87 43 686	Nothing
26	46 36 219	87 43 721	Nothing
27	46 36 296	87 43 755	Nothing
28	46 36 326	87 43 795	Nothing
29	46 36 378	87 43 796	Nothing
30	46 36 436	87 43 877	Needs Repair
31	46 36 480	87 43 009	Nothing

	32	46 36 527	87 43 124	Needs Repair
<u>Loon Nest</u>				
	1	46 36 067	87 43 627	No Activity
<u>Bat House</u>				
	1	46 33 768	87 34 131	No Activity
<u>Kestrel</u>				
	1	46 33 754	87 34 278	No Activity
	2	46 33 155	87 31 118	Nothing
<u>Purple Martin</u>				
	1	46 33 746	87 34 130	Nothing
<u>Osprey</u>				
	1	46.565036	87.56467	Nothing
<i>McClure</i>				
<u>Blue Bird</u>				
	1	46 33 207	87 31 113	Nothing
	2	46 33 199	87 31 109	Nothing
	3	46 33 213	87 31 067	Nothing
	4	46 33 234	87 31 017	Nothing
	5	46 33 240	87 30 985	Nothing
	6	46 33 246	87 30 973	Nothing
	7	46 33 256	87 30 932	Nothing
	8	46 33 253	87 30 918	Nothing
	9	46 33 263	87 30 874	Nothing
	10	46 33 265	87 30 871	Nothing
	11	46 33 270	87 30 832	Spider Web
	12	46 33 297	87 30 774	Nothing
	13	46 33 322	87 30 746	Leaves
	14	46 33 365	87 30 712	Nothing
	15	46 33 380	87 30 703	Missing
<u>Bat House</u>				
	1	46 33 194	87 31 162	Woodpecker Damage; Spider Web
<u>Osprey</u>				
	1	46 33 115	87 31 258	No Activity
<u>Kestrel</u>				
	1	46 33 187	87 31 083	No Activity
	2	46 33 134	87 31 130	No Activity
	3	46 33 119	87 31 147	No Activity
<i>Silver Lake</i>				
<u>Wood Duck House</u>				
	1	46 39 225	87 48 961	No Activity
	2	46 39 449	87 48 630	No Activity
	3	46 39 676	87 48 878	No Activity

4	46 39 722	87 48 952	No Activity
5	46 39 748	87 49 003	No Activity
6	46 39 780	87 49 105	No Activity
7	46 39 844	87 49 203	No Activity
8	46 39 957	87 49 437	No Activity
9	46 40 001	87 49 573	No Activity
10	46 40 061	87 49 715	No Activity
11	46 40 071	87 49 868	No Activity
12	46 40 058	87 49 911	No Activity
13	46 39 949	87 49 924	No Activity
14	46 39 875	87 50 032	No Activity
15	46 39 698	87 50 194	No Activity
16	46 39 669	87 50 272	No Activity
17	46 39 682	87 50 390	No Activity
18	46 39 703	87 50 480	No Activity
19	46 39 723	87 50 595	No Activity
20	46 39 738	87 50 634	No Activity
21	46 39 743	87 50 769	No Activity
22	46 39 750	87 50 798	No Activity
23	46 39 933	87 51 028	No Activity
24	46 39 966	87 51 066	No Activity
25	46 39 985	87 51 113	No Activity
26	46 40 017	87 51 232	No Activity
27	46 40 042	87 51 266	No Activity
28	46 40 156	87 52 123	No Activity
29	46 40 169	87 52 056	No Activity
30	46 40 239	87 51 720	No Activity
31	46 40 185	87 51 719	No Activity
32	46 40 165	87 51 802	No Activity
33	46 40 168	87 51 830	No Activity
34	46 40 162	87 51 931	No Activity
35	47 40 162	87 52 156	No Activity
36	46 40 152	87 51 471	No Activity
37	46 40 164	87 51 498	No Activity
38	46 39 072	87 50 918	No Activity
39	46 39 114	87 50 891	No Activity
40	46 39 101	87 50 850	No Activity
41	46 39 130	87 49 586	No Activity

Owl Structures

1	46 39 231	87 48 923	No Activity
2	46 39 305	87 48 687	No Activity
3	46 39 614	87 48 734	No Activity
4	46 39 746	87 49 005	No Activity
5	46 39 759	87 49 072	No Activity
6	46 39 804	87 49 150	No Activity
7	46 39 864	87 49 246	No Activity
8	46 39 974	87 49 246	No Activity
9	46 40 012	87 49 622	No Activity
10	46 40 085	87 49 809	No Activity
11	46 39 999	87 49 921	No Activity
12	46 39 911	87 49 978	No Activity

13	46 39 836	87 50 086	No Activity
14	46 39 751	87 50 166	No Activity
15	46 39 670	87 50 247	No Activity
16	46 39 747	87 50 718	No Activity
17	46 39 763	87 50 829	No Activity
18	46 39 996	87 51 186	No Activity
19	46 40 082	87 51 281	No Activity
20	46 40 228	87 51 716	No Activity
21	46 40 166	87 51 910	No Activity
22	46 40 160	87 51 995	No Activity
23	46 39 093	87 50 868	No Activity
24	46 39 023	87 49 476	No Activity
25	46 39 096	87 49 474	No Activity
26	46 39 199	87 49 752	No Activity
27	46 39 182	87 49 862	No Activity
28	46 39 158	87 49 944	No Activity
29	46 39 121	87 50 011	No Activity
30	46 39 075	87 49 999	No Activity
31	46 39 169	87 49 643	No Activity
32	46 39 163	87 49 843	No Activity
33	46 39 111	87 50 000	No Activity
34	46 39 058	87 50 015	No Activity
 <u>Kestrel</u>			
1	46 38 933	87 49 868	No Visual
2	46 40 273	87 51 676	Gone
 <u>Bat House</u>			
1	46 38 884	87 49 923	No Activity
 <u>Loon Nest</u>			
1	46 39 049	87 48 808	No Activity
 <u>Osprey</u>			
1	46 39 125	87 50 867	No Activity
 <u>Mallard</u>			
1	46 40 228	87 51 676	Nothing
2	46 40 181	87 51 663	Nothing
3	46 40 151	87 51 548	Nothing
4	46 40 079	87 51 406	Nothing
5	46 39 774	87 50 900	Missing
6	46 39 738	87 50 760	Nothing
7	46 39 693	87 50 591	Nothing
8	46 39 694	87 50 505	Nothing
9	46 39 668	87 50 296	Needs Repair
10	46 39 708	87 50 169	Nothing
11	46 39 741	87 50 156	Nothing
12	46 39 804	87 50 097	Nothing
13	46 39 686	87 50 437	Missing
14	46 39 838	87 50 056	Nothing
15	46 39 892	87 49 975	Nothing

Bluebird

1	46 38 926	87 49 883	Gone
2	46 38 950	87 49 856	Nothing
3	46 38 877	87 49 932	Nothing
4	46 39 126	87 50 886	Leaves
5	46 39 123	87 50 896	Nothing
6	46 39 098	87 50 931	Old Nest
7	46 39 092	87 50 841	Nothing
8	46 39 078	87 50 851	Nothing
9	46 39 079	87 50 858	Spider Web
10	46 39 074	87 50 905	Nothing

SILVER LAKE WILDLIFE STRUCTURES ACTIVITY 2008

KESTREL			BAT HOUSE		
01	N 46 38 933 W 87 49 868	NO VISUAL	N 46 38 884 W 87 49 923		NO ACTIVITY
02	N 46 40 273 W 87 51 676	GONE	LOON NEST N 46 39 490 W 87 48 808		NO ACTIVITY
			OSPREY N 46 39 125 W 87 50 867		NO ACTIVITY
MALLARD NESTING CONES					
01	N 46 40 228 W 87 51 676	NOTHING	11	N 46 39 741 W 87 50 156	NOTHING
02	N 46 40 181 W 87 51 633	NOTHING	12	N 46 39 804 W 87 50 097	NOTHING
03	N 46 40 151 W 87 51 548	NOTHING	13	N 46 39 686 W 87 50 437	REPAIRED/NOTHING
04	N 46 40 079 W 87 51 406	NOTHING	14	N 46 39 838 W 87 50 056	NOTHING
05	N 46 39 774 W 87 50 900	REPAIRED/NOTHING	15	N 46 39 892 W 87 49 975	NOTHING
06	N 46 39 738 W 87 50 760	NOTHING			
07	N 46 39 693 W 87 50 591	NOTHING			
08	N 46 39 694 W 87 50 505	NOTHING			
09	N 46 39 668 W 87 50 296	REPAIRED/NOTHING			
10	N 46 39 708 W 87 50 189	NOTHING			

DEAD RIVER WILDLIFE STRUCTURE ACTIVITY 2009

MALLARD NESTING CONES

1	N 46 36 404 W 87 42 356	NOTHING	#17	N 46 36 006 W 87 43 445	NOTHING
2	N 46 36 362 W 87 42 354	NOTHING	#18	N 46 36 044 W 87 43 524	NOTHING
3	N 46 36 293 W 87 42 417	NOTHING	#19	N 46 36 063 W 87 43 596	NOTHING
4	N 46 36 177 W 87 42 488	NOTHING	#20	N 46 36 072 W 87 43 640	NOTHING
5	N 46 36 066 W 87 42 536	GONE	#21	N 46 36 103 W 87 43 716	NOTHING
6	N 46 35 904 W 87 42 537	GONE	#22	N 46 36 127 W 87 43 800	NOTHING
7	N 46 35 825 W 87 42 374	GONE	#23	N 46 36 144 W 87 43 825	NOTHING
8	N 46 35 965 W 87 42 468	GONE	#24	N 46 36 170 W 87 43 851	NOTHING
9	N 46 36 404 W 87 42 356	NOTHING	#25	N 46 36 099 W 87 43 686	NOTHING
10	N 46 36 362 W 87 42 354	NOTHING	#26	N 46 36 219 W 87 43 721	NOTHING
11	N 46 36 293 W 87 42 417	NOTHING	#27	N 46 36 296 W 87 43 755	NOTHING
12	N 46 36 177 W 87 42 488	NOTHING	#28	N 46 36 326 W 87 43 795	NOTHING
13	N 46 36 066 W 87 42 536	NOTHING	#29	N 46 36 378 W 87 43 796	NOTHING
14	N 46 35 904 W 87 42 537	NOTHING	#30	N 46 36 436 W 87 43 877	NOTHING
15	N 46 35 825 W 87 42 374	NOTHING	#31	N 46 36 480 W 87 44 009	NOTHING
16	N 46 35 965 W 87 42 468	NOTHING	#32	N 46 36 527 W 87 44 124	NOTHING

NEW MALLARD NEST

5 N46 36 288
W87 42 526

6 N46 36 337
W87 42 453

7 N46 36 387
W87 42 400

8 N46 36 253
W87 42 513

HOIST WILDLIFE STRUCTURE BLUEBIRD ACTIVITY 2009

1	N 46 33 500 W 87 33 896	NOTHING	8	N 46 33 482 W 87 33 926	NOTHING
2	N 46 33 513 W 87 33 836	NOTHING	9	N 46 33 462 W 87 33 996	NOTHING
3	N 46 33 525 W 87 33 828	NOTHING	10	N 46 33 426 W 87 34 113	NOTHING
4	N 46 33 526 W 87 33 827	NOTHING	11	N 46 33 398 W 87 34 182	NOTHING
5	N 46 33 530 W 87 33 795	NOTHING	12	N 46 33 458 W 87 33 129	NOTHING
6	N 46 33 537 W 87 33 772	NOTHING			
7	N 46 33 554 W 87 33 769	NOTHING			

DEAD RIVER WILDLIFE STRUCTURE ACTIVITY 2009

LOON NEST	N 46 36 067	<i>No Activity</i>
	W 87 43 627	

BOTTOM

BAT HOUSE	N 46 33 768	NO ACTIVITY
	W 87 34 131	
KESTREL	N 46 33 754	NO ACTIVITY
	W 87 34 278	
KESTREL	N 46 33 155	NOTHING
	W 87 31 118	

McCLURE WILDLIFE STRUCTURE ACTIVITY 2009

BLUEBIRD

BAT HOUSE

1	N 46 33 207 W 87 31 113	REMOVED	N 46 33 194 W 87 31 162	NO VISUAL
2	N 46 33 199 W 87 31 109	REMOVED		
3	N 46 33 213 W 87 31 067	REMOVED		
4	N 46 33 234 W 87 31 017	REMOVED	OSPREY NO ACITIVITY	
5	N 46 33 240 W 87 30 985	REMOVED	KESTREL	
6	N 46 33 246 W 87 30 973	REMOVED	N46 33 754 W88 34 278	REMOVED
7	N 46 33 256 W 87 30 932	REMOVED	N46 33 155 W87 31 118	REMOVED
8	N 46 33 253 W 87 30 918	REMOVED		
9	N 46 33 263 W 87 30 874	REMOVED		
10	N 46 33 265 W 87 30 871	REMOVED		
11	N 46 33 270 W 87 30 832	REMOVED		
12	N 46 33 297 W 87 30 774	REMOVED		
13	N 46 33 322 W 87 30 746	REMOVED		
14	N 46 33 365 W 87 30 712	REMOVED		
15	N 46 33 380 W 87 30 703	REMOVED		

SILVER LAKE B LUEBIRD ACTIVITY 2009

#1	N 46 38 926 W 87 49 883	GONE
#2	N 46 38 950 W 87 49 856	LEAVES
#3	N 46 38 877 W 87 49 932	NOTHING
#4	N 46 39 126 W 87 50 886	LEAVES
#5	N 46 39 123 W 87 50 896	NOTHING
#6	N 46 39 098 W 87 50 931	SQUIREL
#7	N 46 39 092 W 87 50 841	NOTHING
#8	N 46 39 078 W 87 50 851	NOTHING
#9	N 46 39 079 W 87 50 858	LEAVES
#10	N 46 39 074 W 87 50 905	NOTHING

OWL STRUCTURES SILVER LAKE 2009

#1	N 46 39 231 W 87 48 923	NOTHING	#16	N 46 39 747 W 87 50 718	LEAVES
#2	N 46 39 305 W 87 48 687	NOTHING	#17	N 46 39 763 W 87 50 829	NOTHING
#3	N 46 39 614 W 87 48 734	NOTHING	#18	N 46 39 996 W 87 51 186	LEAVES
#4	N 46 39 746 W 87 49 005	NOTHING	#19	N 46 40 082 W 87 51 281	NOTHING
#5	N 46 39 759 W 87 49 072	LEAVES	#20	N 46 40 228 W 87 51 716	NOTHING
#6	N 46 39 804 W 87 49 150	NOTHING	#21	N 46 40 166 W 87 51 910	NOTHING
#7	N 46 39 864 W 87 49 246	NOTHING	#22	N 46 40 160 W 87 51 995	LEAVES
#8	N46 39 974 W 87 49 246	LEAVES	#23	N 46 39 093 W 87 50 868	NOTHING
#9	N 46 40 012 W 87 49 622	NOTHING	#24	N 46 39 023 W 87 49 476	NOTHING
#10	N 46 40 085 W 87 49 809	NOTHING	#25	N 46 39 096 W 87 49 474	NOTHING
#11	N 46 39 999 W 87 49 921	LEAVES	#26	N 46 39 199 W 87 49 752	LEAVES
#12	N 46 39 911 W 87 49 978	NOTHING	#27	N 46 39 182 W 87 49 862	NOTHING
#13	N 46 39 836 W 87 50 086	NOTHING	#28	N 46 39 158 W 87 49 944	NOTHING
#14	N 46 39 751 W 87 50 166	NOTHING	#29	N 46 39 121 W 87 50 011	NOTHING
#15	N 46 39 670 W 87 50 247	LEAVES	#30	N 46 39 075 W 87 49 999	NOTHING

WOOD DUCK HOUSE STRUCTURES SILVER LAKE 2009

#1	N 46 39 225 W 87 48 961	NOTHING	#16	N 46 39 669 87 50 272	NOTHING	#31	N 46 40 185 W 87 51 719	NOTHING
#2	N 46 39 449 W 87 48 630	NOTHING	#17	N 46 39 682 W 87 50 390	NOTHING	#32	N 46 40 165 W 87 51 802	NOTHING
#3	N 46 39 676 W 87 48 878	NOTHING	#18	N 46 39 703 W 87 50 480	NOTHING	#33	N 46 40 168 W 87 51 830	NOTHING
#4	N 46 39 722 W 87 48 952	NOTHING	#19	N 46 39 723 W 87 50 595	NOTHING	#34	N 46 40 162 W 87 51 931	NOTHING
#5	N 46 39 748 W 87 49 003	NOTHING	#20	N 46 39 738 W 87 50 634	LEAVES	#35	N 46 40 162 W 87 52 156	NOTHING
#6	N 46 39 780 W 87 49 105	NOTHING	#21	N 46 39 743 W 87 50 769	NOTHING	#36	N 46 40 152 W 87 51 471	LEAVES
#7	N 46 39 844 W 87 49 203	NOTHING	#22	N 46 39 750 W 87 50 798	NOTHING	#37	N 46 40 164 W 87 51 498	NOTHING
#8	N 46 39 957 W 87 49 437	LEAVES	#23	N 46 39 933 W 87 51 028	NOTHING	#38	N 46 39 072 W 87 50 918	NOTHING
#9	N 46 40 001 W 87 49 573	NOTHING	#24	N 46 39 966 W 87 51 066	NOTHING	#39	N 46 39 114 W 87 50 891	LEAVES
#10	N 46 40 061 W 87 49 715	NOTHING	#25	N 46 39 985 W 87 51 113	NOTHING	#40	N 46 39 101 W 87 50 850	NOTHING
#11	N 46 40 071 W 87 49 868	NOTHING	#26	N 46 40 017 W 87 51 232	LEAVES	#41	N 46 39 130 W 87 49 586	NOTHING
#12	N 46 40 058 W 87 49 911	NOTHING	#27	N 46 40 042 W 87 51 266	NOTHING	#42 ³¹	N 46 39 169 W 87 49 643	NOTHING
#13	N 46 39 949 W 87 49 924	LEAVES	#28	N 46 40 156 W 87 52 123	NOTHING	#43 ³²	N 46 39 163 W 87 49 843	NOTHING
#14	N 46 39 875 W 87 50 032	NOTHING	#29	N 46 40 169 W 87 52 056	NOTHING	#44 ³³	N 46 39 111 W 87 50 000	LEAVES
#15	N 46 39 698 W 87 50 194	NOTHING	#30	N 46 40 239 W 87 51 720	NOTHING	#45 ³⁴	N 46 39 058 W 87 50 015	NOTHING

#41	N 46 39 130 W 87 49 586	NOTHING
#42 ³¹	N 46 39 169 W 87 49 643	NOTHING
#43 ³²	N 46 39 163 W 87 49 843	NOTHING
#44 ³³	N 46 39 111 W 87 50 000	LEAVES
#45 ³⁴	N 46 39 058 W 87 50 015	NOTHING

DEAD RIVER WILDLIFE STRUCTURE ACTIVITY 2010

MALLARD NESTING CONES

1	N 46 36 404 W 87 42 356	No Activity		#17	N 46 36 006 W 87 43 445	Replaced
2	N 46 36 362 W 87 42 354	No Activity		#18	N 46 36 044 W 87 43 524	No Activity
3	N 46 36 293 W 87 42 417	No Activity		#19	N 46 36 063 W 87 43 596	No Activity
4	N 46 36 177 W 87 42 488	No Activity		#20	N 46 36 072 W 87 43 640	No Activity
5	N46 36 288 W87 42 526	No Activity		#21	N 46 36 103 W 87 43 716	No Activity
6	N46 36 337 W87 42 453	No Activity		#22	N 46 36 127 W 87 43 800	No Activity
7	N46 36 387 W87 42 400	Gone	NEW LOCATION N46 36 402 W87 43 803	#23	N 46 36 144 W 87 43 825	No Activity
8	N46 36 253 W87 42 513	No Activity		#24	N 46 36 170 W 87 43 851	No Activity
9	N 46 36 404 W 87 42 356	Gone	NEW LOCATION N46 36 372 W87 43 803	#25	N 46 36 099 W 87 43 686	Replaced
10	N 46 36 362 W 87 42 354	No Activity		#26	N 46 36 219 W 87 43 721	No Activity
11	N 46 36 293 W 87 42 417	No Activity		#27	N 46 36 296 W 87 43 755	No Activity
12	N 46 36 177 W 87 42 488	No Activity		#28	N 46 36 326 W 87 43 795	No Activity
13	N 46 36 066 W 87 42 536	No Activity		#29	N 46 36 378 W 87 43 796	Gone
14	N 46 35 904 W 87 42 537	No Activity		#30	N 46 36 436 W 87 43 877	Replaced
15	N 46 35 825 W 87 42 374	No Activity		#31	N 46 36 480 W 87 44 009	No Activity
16	N 46 35 965 W 87 42 468	No Activity		#32	N 46 36 527 W 87 44 124	Replaced

NEW LOCATION
N46 36 400
W87 43 835

HOIST WILDLIFE STRUCTURE BLUEBIRD ACTIVITY 2010

1	N 46 33 500 W 87 33 896	No Activity	8	N 46 33 482 W 87 33 926	Replaced
2	N 46 33 513 W 87 33 836	No Activity	9	N 46 33 462 W 87 33 996	Replaced
3	N 46 33 525 W 87 33 828	No Activity	10	N 46 33 426 W 87 34 113	No Activity
4	N 46 33 526 W 87 33 827	No Activity	11	N 46 33 398 W 87 34 182	No Activity
5	N 46 33 530 W 87 33 795	No Activity	12	N 46 33 458 W 87 33 129	No Activity
6	N 46 33 537 W 87 33 772	No Activity			
7	N 46 33 554 W 87 33 769	No Activity			

DEAD RIVER WILDLIFE STRUCTURE ACTIVITY 2010

LOON NEST	N 46 36 067 W 87 43 627	No Activity
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BOTTOM

BAT HOUSE	N 46 33 768 W 87 34 131	No Activity
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KESTREL	N 46 33 754 W 87 34 278	No Activity
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KESTREL	N 46 33 155 W 87 31 118	No Activity
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PURPLE MARTIN	N46 33 742 W87 34 129	No Activity
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SILVER LAKE WILDLIFE STRUCTURES ACTIVITY 2010

KESTREL

01 N 46 38 933
W 87 49 868 No Activity

02 N 46 40 273
W 87 51 676 GONE^{###} New Location

N46 39 059
W87 50 134

BAT HOUSE

N 46 38 884
W 87 49 923 No Activity

LOON NEST

N 46 39 490
W 87 48 808 No Activity

OSPREY

N 46 39 125
W 87 50 867 No Activity

MALLARD NESTING CONES

01 N 46 40 228 11 N 46 39 741 No Activity
W 87 51 676 No Activity W 87 50 156

02 N 46 40 181 12 N 46 39 804 No Activity
W 87 51 633 No Activity W 87 50 097

03 N 46 40 151 13 N 46 39 686 No Activity
W 87 51 548 No Activity W 87 50 437

04 N 46 40 079 14 N 46 39 838 No Activity
W 87 51 406 No Activity W 87 50 056

05 N 46 39 774 15 N 46 39 892 No Activity
W 87 50 900 No Activity W 87 49 975

06 N 46 39 738
W 87 50 760 No Activity

07 N 46 39 693
W 87 50 591 No Activity

08 N 46 39 694
W 87 50 505 No Activity

09 N 46 39 668
W 87 50 296 No Activity

10 N 46 39 708
W 87 50 169 No Activity

OWL STRUCTURES SILVER LAKE 2010

#1	N 46 39 231 W 87 48 923	No Activity	#16	N 46 39 747 W 87 50 718	No Activity
#2	N 46 39 305 W 87 48 687	No Activity	#17	N 46 39 763 W 87 50 829	No Activity
#3	N 46 39 614 W 87 48 734	No Activity	#18	N 46 39 996 W 87 51 186	No Activity
#4	N 46 39 746 W 87 49 005	No Activity	#19	N 46 40 082 W 87 51 281	No Activity
#5	N 46 39 759 W 87 49 072	No Activity	#20	N 46 40 228 W 87 51 716	No Activity
#6	N 46 39 804 W 87 49 150	No Activity	#21	N 46 40 166 W 87 51 910	No Activity
#7	N 46 39 864 W 87 49 246	No Activity	#22	N 46 40 160 W 87 51 995	No Activity
#8	N46 39 974 W 87 49 246	No Activity	#23	N 46 39 093 W 87 50 868	No Activity
#9	N 46 40 012 W 87 49 622	No Activity	#24	N 46 39 023 W 87 49 476	No Activity
#10	N 46 40 085 W 87 49 809	No Activity	#25	N 46 39 096 W 87 49 474	No Activity
#11	N 46 39 999 W 87 49 921	No Activity	#26	N 46 39 199 W 87 49 752	No Activity
#12	N 46 39 911 W 87 49 978	No Activity	#27	N 46 39 182 W 87 49 862	No Activity
#13	N 46 39 836 W 87 50 086	No Activity	#28	N 46 39 158 W 87 49 944	No Activity
#14	N 46 39 751 W 87 50 166	No Activity	#29	N 46 39 121 W 87 50 011	No Activity
#15	N 46 39 670 W 87 50 247	No Activity	#30	N 46 39 075 W 87 49 999	No Activity

SILVER LAKE B LUEBIRD ACTIVITY 2010

#1	N 46 38 926 W 87 49 883	GONE	New Location	N46 39 036 W87 50 052
#2	N 46 38 950 W 87 49 856	No Activity		
#3	N 46 38 877 W 87 49 932	No Activity		
#4	N 46 39 126 W 87 50 886	No Activity		
#5	N 46 39 123 W 87 50 896	No Activity		
#6	N 46 39 098 W 87 50 931	Replaced		
#7	N 46 39 092 W 87 50 841	No Activity		
#8	N 46 39 078 W 87 50 851	No Activity		
#9	N 46 39 079 W 87 50 858	No Activity		
#10	N 46 39 074 W 87 50 905	No Activity		

WOOD DUCK HOUSE STRUCTURES SILVER LAKE 2010

#1	N 46 39 225 W 87 48 961	No Activity	#16	N 46 39 669 87 50 272	No Activity	#31	N 46 40 185 W 87 51 719	No Activity
#2	N 46 39 449 W 87 48 630	No Activity	#17	N 46 39 682 W 87 50 390	No Activity	#32	N 46 40 165 W 87 51 802	No Activity
#3	N 46 39 676 W 87 48 878	No Activity	#18	N 46 39 703 W 87 50 480	No Activity	#33	N 46 40 168 W 87 51 830	No Activity
#4	N 46 39 722 W 87 48 952	No Activity	#19	N 46 39 723 W 87 50 595	No Activity	#34	N 46 40 162 W 87 51 931	No Activity
#5	N 46 39 748 W 87 49 003	No Activity	#20	N 46 39 738 W 87 50 634	No Activity	#35	N 46 40 162 W 87 52 156	No Activity
#6	N 46 39 780 W 87 49 105	No Activity	#21	N 46 39 743 W 87 50 769	No Activity	#36	N 46 40 152 W 87 51 471	No Activity
#7	N 46 39 844 W 87 49 203	No Activity	#22	N 46 39 750 W 87 50 798	No Activity	#37	N 46 40 164 W 87 51 498	No Activity
#8	N 46 39 957 W 87 49 437	No Activity	#23	N 46 39 933 W 87 51 028	No Activity	#38	N 46 39 072 W 87 50 918	No Activity
#9	N 46 40 001 W 87 49 573	No Activity	#24	N 46 39 966 W 87 51 066	No Activity	#39	N 46 39 114 W 87 50 891	No Activity
#10	N 46 40 061 W 87 49 715	No Activity	#25	N 46 39 985 W 87 51 113	No Activity	#40	N 46 39 101 W 87 50 850	No Activity
#11	N 46 40 071 W 87 49 868	No Activity	#26	N 46 40 017 W 87 51 232	No Activity	#41	N 46 39 130 W 87 49 586	No Activity
#12	N 46 40 058 W 87 49 911	No Activity	#27	N 46 40 042 W 87 51 266	No Activity	#42	N 46 39 169 W 87 49 643	Replaced
#13	N 46 39 949 W 87 49 924	No Activity	#28	N 46 40 156 W 87 52 123	No Activity	#43	N 46 39 163 W 87 49 843	Replaced
#14	N 46 39 875 W 87 50 032	No Activity	#29	N 46 40 169 W 87 52 056	No Activity	#44	N 46 39 111 W 87 50 999	Replaced
#15	N 46 39 698 W 87 50 194	No Activity	#30	N 46 40 239 W 87 51 720	No Activity	#45	N 46 39 058 W 87 50 015	No Activity

DAMAGE DUE TO LOGGING



Upper Peninsula Power Company
(a subsidiary of Integrys Energy Group)
700 North Adams Street
P.O. Box 19001

December 21, 2010

FERC Project No. 10855

Ms. Christie Deloria – Sheffield
U.S. Fish & Wildlife Service
Upper Peninsula Sub-Office
Ecological Services
3090 Wright Street
Marquette, MI 49855

Dear Ms. Deloria – Sheffield:

Dead River Hydroelectric Project No. 10855 Wildlife Management Plan Article 411

As per the February 17, 2005 Federal Energy Regulatory Commission (FERC) order modifying and approving the Dead River Hydroelectric Project Wildlife Management Plan, UPPCO is submitting an update on the wildlife management plan and bald eagle management results. In addition, UPPCO is providing the results of the three years wildlife success surveys.

Wildlife Management Plan

The wildlife management plan was discussed during the annual resource agency meetings held on February 12, 2009 and March 24, 2010. During the 2009 resource agency meeting the distribution of the wildlife structures to adjacent property owners and information on nesting success was discussed. During the 2010 resource agency meeting, UPPCO discussed their intent to provide information to justify the discontinuing of maintenance on certain species nesting structures.

UPPCO has been providing postcards and letters to the Dead River Campers Association (DRCA) and the McClure Basin Owners Association (MBOA) containing information on proper maintenance of wood duck and owl nesting boxes and how to provide success information to UPPCO. The letters and postcards were provided to the DRCA on April 18, 2009 and April 17, 2010 and to the MBOA on November 18, 2009 and March 13, 2010.

On November 18, 2009 UPPCO provided watershed improvement brochures specifically created for the MBOA and Dead River Campers, Inc (DRCI), respectively. The brochures included information on existing wildlife habitat improvements on the reservoirs, information on the proper installation of nesting boxes and the importance of maintaining woody debris on the lakeshore. Per a request by the DRCA, UPPCO provided 300 additional brochures to the DRCA to be distributed to their members during their annual spring celebration.

UPPCO completed annual wildlife structure success surveys and maintenance activities at the Dead River Hydroelectric Project. No wildlife nesting activity was observed from the various structures at the Hoist or Silver Lake reservoir. For the second straight year, UPPCO did not

Ms. Deloria – Sheffield
December 21, 2010
Page 2 of 3

have bluebird or kestrel nesting boxes installed at the McClure reservoir. These structures were intentionally removed in 2009 in order to accommodate the expansion of the McClure penstock corridor. The project is near completion, and the bluebird and kestrel nesting boxes will be re-installed in 2011.

Bald Eagle Management

A survey for Bald Eagle nests within the Dead River Project was completed in conjunction with the invasive species surveys in 2010. A survey of all three reservoirs was conducted August 4th through August 5th, 2010. One bald eagle nest was again observed at the Hoist Reservoir. Additionally, information provided by the U.S. Fish & Wildlife Service (FWS) on December 12, 2010 confirmed that the nest located at the Hoist Reservoir was active in 2010, producing 2 eaglets.

On April 13, 2010, UPPCO provided information concerning the bald eagle nest location and the FWS National Bald Eagle Management guidelines to the property owner (DRCI). On August 4, 2010, UPPCO representatives met with the DRCI. The bald eagle nest location was discussed and UPPCO asked if additional information would be needed concerning the nest or questions the DRCI may have concerning management. DRCI indicated that the information provided was sufficient and UPPCO would be contacted if questions arise. A copy of the letter provided to DRCI is included as Appendix A.

Three Year Survey Results

The initial wildlife nest structure surveys were completed either in 2007 or 2008, depending on when the structures were to be installed per the wildlife installation schedule. Since that time, the nesting structure success has remained extremely low, with less than 10% success observed for every target species. A breakdown of the survey results is provided as follows:

Owl Nesting Boxes

Owl nesting boxes located at Silver Lake have been surveyed since 2008. In three years of surveying, no owl species have been observed using the nesting structures. No activity was reported from the owl nesting structures in 2008 and 2010. In 2009, leaves associated with squirrel nests were observed in one structure. Squirrel is not a target species. After three years of surveying, no successful owl nesting box was observed. The total success for each year of surveying is less than 10%.

Bat House

A total of three bat houses are located at the project, one bat house at each reservoir. Bat house surveys started in 2007 for the McClure Reservoir and in 2008 for Hoist and Silver Lake. In each of the surveys, no bat activity was reported. After three years of surveying, no successful bat house was observed. The total success for each year of surveying is less than 10%.

Ms. Deloria – Sheffield
December 21, 2010
Page 3 of 3

Purple Martin House

One purple martin house is located at the Hoist reservoir. Surveying of the purple martin house started in 2008. No activity has been observed in three years of surveys. The total success for each year of surveying is less than 10%.

Kestrel and Bluebird Nesting Boxes

Kestrel and bluebird nesting boxes have been surveyed annually at the Hoist and Silver Lake reservoirs since 2007. However, in 2009 kestrel nesting boxes were removed to accommodate the expansion of the McClure Penstock corridor. UPPCO will continue to monitor these wildlife nest structures until three years of surveys have been conducted.

Remaining Wildlife Nesting Structures

Success surveys were also completed for the wood duck nesting boxes located at the Silver Lake reservoir and mallard nesting cones and loon nesting platforms at both the Silver Lake and Hoist reservoirs beginning in 2007. None of the surveys revealed successful nesting by the target species.

Conclusion

Per the order modifying and approving Wildlife Management Plan, UPPCO is discontinuing the maintenance of nesting structures for owl nesting box, bat house and purple martin houses. The kestrel nesting boxes and bluebird nesting boxes will be surveyed until a total of three surveys has been conducted.

A summary of the wildlife nesting structure surveys is provided as Appendix B. The annual survey results from 2007 through 2010 are also included. It should be noted that in the annual survey results, any reference to old nest, leaves and debris refers to squirrel use and not to a target wildlife species.

Please provide questions or comment within thirty (30) days of receiving this information.

Thank you,



James Nuthals
Environmental Services-
Natural Resource Management
UPPCO
(920) 433-1460

Enc.

THE APPENDICIES PROVIDED TO THE USFWS AND MDNRE ARE THE SAME APPENDICIES THAT HAVE BEEN PROVIDED TO FERC. UPPCO IS NOT PROVIDING THE APPENDICIES IN DULICATE IN AN EFFORT TO REDUCE THE SIZE OF THE DOCUMENT.

NO COMMENTS WERE RECEIVED FROM THE U.S. FISH & WILDLIFE SERVICE



Upper Peninsula Power Company
(a subsidiary of Integrys Energy Group)
700 North Adams Street
P.O. Box 19001

December 21, 2010

FERC Project No. 10855

Kyle Kruger, Senior Fisheries Biologist
Habitat Management Unit
Fisheries Division
Mio Field Office
191 S. Mt Tom Rd.
Mio, MI 48647

Dear Mr. Kruger:

Dead River Hydroelectric Project No. 10855 Wildlife Management Plan Article 411

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Mr. Kruger
December 21, 2010
Page 2 of 3

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Mr. Kruger
December 21, 2010
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**NO COMMENTS WERE RECEIVED FROM THE MICHIGAN DEPARTMENT OF
NATURAL RESOURCES AND ENVIRONMENT**

Document Content(s)

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