Video Review Worksheet	Lake: Mud Hen Lake, MN	Launch:
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Summary Report

This report summarizes I-LIDS monitoring and review activity at the boat launch for 2016.

I-LIDS Summary Data	
Date Installed	4/29/16
Date De-installed	11/16/16
Videos Captured	4126
Videos Reviewed by ESP	3261
Total Videos Reviewed	3262
Launches counted	501
% of videos that were launches	15.4%
Estimated total launches	634
Suspect AIS Violations	0-2
Hours of operation	5am-9pm
Total hours of inspection time	2464
22 weeks, 16 hrs per day	

Improvements:

Housing was installed on 4/29/16, however original camera failed and so new camera had to be ordered. Camera replaced with Axis 1004-W on 6/12/16.

Observations:

People were aware of the camera presence and did some inspection. There are a lot of boaters having difficulty with the steepness of this ramp. There were 2 suspect AIS violations that could not be distinguished from ropes, images attached.

Recommendations:

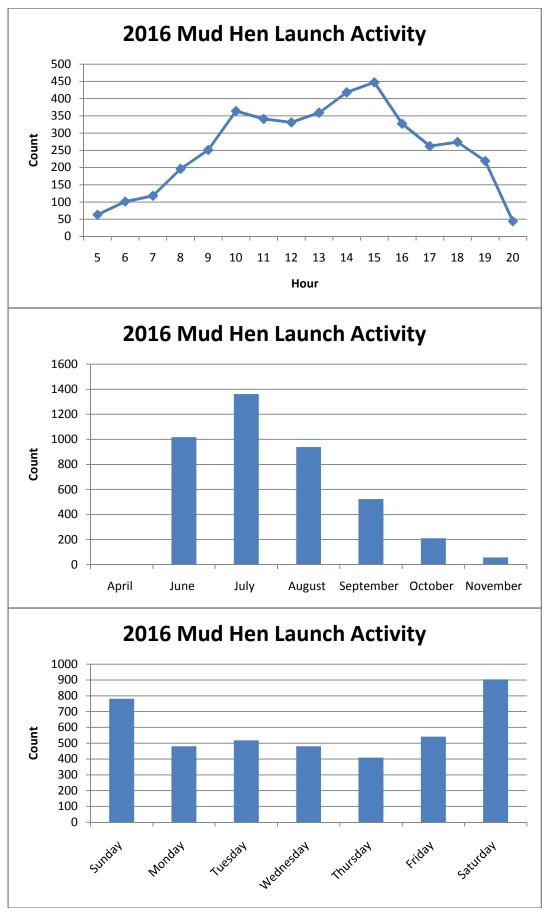
Implement audio circuit next season.





2016 Mud Hen Launch Activity

Sum of Count	Day							
Hour	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Grand Total
5	6	8	20	4	8	5	12	63
6	4	24	7	12	9	28	17	101
7	13	19	14	15	15	14	28	118
8	36	21	24	17	29	31	38	196
9	52	31	17	22	24	21	84	251
10	70	31	68	32	26	39	98	364
11	71	23	40	35	21	49	102	341
12	60	40	30	36	28	51	86	331
13	72	48	35	31	52	31	90	359
14	98	37	58	40	37	75	73	418
15	117	44	52	51	41	54	88	447
16	68	33	38	40	46	48	54	327
17	50	29	33	29	33	24	64	262
18	35	30	35	52	19	57	46	274
19	24	47	39	57	19	12	21	219
20	5	16	8	8	2	2	3	44
Grand Total	781	481	518	481	409	541	904	4115



May 2016

Date Range for Videos	Date(s) of Review	Reviewer	Videos Captured	Videos Reviewed	Launches Counted	Notes (outages, excessive videos)
5/1 - 5/7						
5/8 - 5/14						
5/15 - 5/21						
5/23 - 5/28						
TOTAL						

Potential Violations

Date	Time	Boat Desc.	Registration/Lic	What was seen	2nd review

Date	Time	What was seen? Why do we care?

Date Range for Videos	Date(s) of Review	Reviewer	Videos Captured	Videos Reviewed	Launches Counted	Notes (outages, excessive videos)
5/29 - 6/4			0	0		
6/5 - 6/11			0	0		
6/12 - 6/18	6/12-18	Katherine	310	310	65	
6/19 - 6/25	6/19-25	Katherine	383	383	41	
TOTAL			693	693	106	

June 2016

Potential Violations

Date	Time	Boat Desc.	Registration/Lic	What was seen	2nd review

Date	Time	What was seen? Why do we care?
6/12	9:49	Boat half-off the trailer before getting into the water
6/12	9:57	Man checking under his boat before launch
6/12	11:30	Little boy comes to look at the camera
6/14	10:26	Man checks under motor after taking his boat out of the water
6/16	17:48	Little boy throws grass at the camera
6/18	8:21	Someone bends down and looks at camera
6/19	11:20	Little girl comes up to look at the camera
6/19	11:28	Lady crouches in front of the camera
6/19	16:19	Boy looks at camera
6/22	9:18	Inspector on site

Date Range for Videos	Date(s) of Review	Reviewer	Videos Captured	Videos Reviewed	Launches Counted	Notes (outages, excessive videos)
6/26 - 7/2	6/26-7/2	Katherine	514	426	97	One long piece of grass keeps setting off the camera
7/3 - 7/9	7/3-9	Katherine	369	369	63	
7/10 - 7/16	7/10-15	Katherine	230	159	26	
7/17 - 7/23	7/19-20	Katherine	269	82	8	
7/24 - 7/30	7/24-27	Katherine	254	130	19	
TOTAL			1636	1166	213	

July 2016

Potential Violations

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Date	Time	Boat Desc.	Registration/Lic.	What was seen	2nd review
			8		

Date	Time	What was seen? Why do we care?
6/26	11:32	Man waves hand in front of the camera
6/28	14:20	Lady pushes boat off the trailer into water
7/2	17:44	Inspector on site
7/2	18:40	Boat falls off trailer while launching (Date/time not correct)
7/3	12:45	Man waves at camera
7/3	13:55	One car hitched to another car to pull it our of the water
7/9	12:03	Clearly visible registration, boat, and trailer
7/9	13:19	Video glitch causing the video to look purple for a couple seconds
7/10	11:50	Purple line glitch towards end of the video
7/12	15:07	Little girl stands and looks in front of camera
7/14	9:58	Car's tires smoking from getting stuck
7/20	8:11	Clearly visible registration, boat, and trailer
7/20	8:18	Car's tires smoking from retrieval
7/20	18:52	Boys look at camera
7/24	9:53	Guy looking under boat while launching
7/27	7:20	Clearly visible registration, boat, and trailer
7/27	12:04	Something is put over the camera

Date Range Videos Videos Launches Date(s) of Notes Reviewer for Videos Review Captured Reviewed Counted (outages, excessive videos) 7/31-8/3, 7/31 - 8/6 178 216 31 Katherine 8/5-6 8/7 - 8/13 8/7-8, 11 Katherine 295 131 26 8/14 - 8/20 8/14-18 196 158 27 Katherine 151 8/21 - 8/27 8/21-27 151 26 Katherine TOTAL 858 618 110

August 2016

Potential Violations

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Date	Time	Boat Desc.	Registration/Lic.	What was seen	2nd review	
8/6	14:15	White and brown Nordic fishing boat	MN 5032 EK	Weeds hanging from the back of the trailer near the motor	They look suspicious but they could be ropes	

Date	Time	What was seen? Why do we care?			
8/5	15:38	Man removes weeds off of his trailer after retrieval			
8/5	18:01	Weeds on the trailer after launching			
8/6	12:25	Weeds on the trailer after retrieval			
8/6	16:50-51	Elderly man sits either next to or on the camera			
8/7	14:43	Boat placed crooked on the trailer during retrieval			
8/7	15:21	Little boy comes up to look at camera and runs away			
8/7	16:16	Canoe placed in front of the camera			
8/11	11:15	Weeds on trailer after launching			
8/11	19:49-57	Something is put over the camera			
8/15	19:47	Something is placed on the camera			
8/17	6:47	Wheel creating dust/smoke after launch			
8/17	17:28	Boat slides off trailer during launch			
8/22	11:08	Clearly visible registration, trailer, and boat			
8/26	15:23	Clearly visible registration, trailer, and boat			
8/27	17:04	Man stops in front of camera			

September 2016

Date Range for Videos	Date(s) of Review	Reviewer	Videos Captured	Videos Reviewed	Launches Counted	Notes (outages, excessive videos)
8/28 - 9/3	8/28-9/2	Katherine	198	155	13	
9/4 - 9/10	9/4-9	Katherine	195	157	14	
9/11 - 9/17	9/11-17	Katherine	114	114	9	
9/18 - 9/24	9/18-24	Katherine	91	91	10	
TOTAL			598	517	46	

Potential Violations

Date	Time	Boat Desc.	Registration/Lic.	What was seen	2nd review
9/14	15:22	Brown fishing boat	IA 7736 CC	Something hanging from the front of the trailer	Possible frayed carpet/ropes or weeds.

Date	Time	What was seen? Why do we care?			
8/29	17:04- 20:25	Videos of storm			
9/1	6:52	Blurry launch			
9/2	14:10	Clearly visible registration, trailer, and boat during launch			
9/5	9:49	Someone is riding a horse at the launch			
9/6	11:32	Boat launching from Illinois			
9/9	18:47	Drain plug open during retrieval			
9/13	10:32	Weeds on trailer coming out of the water			
9/13	16:28	Car's wheels picking up a lot of dirt during retrieval			
9/14	12:08	Truck pulls john deer pulling a trailer out of the water			
9/24	11:37	Man almost falls over in the boat during retrieval			
9/24	13:08	Little girl looks at the camera while walking by			
9/24	13:09	Girl is sitting on top of the camera			

October 2016

Date Range for Videos	Date(s) of Review	Reviewer	Videos Captured	Videos Reviewed	Launches Counted	Notes (outages, excessive videos)
9/25 - 10/1	9/25-10/1	Katherine	88	88	4	
10/2 - 10/8	10/2-8	Katherine	68	68	5	
10/9 - 10/15	10/9-15	Katherine	62	62	9	
10/16 - 10/22	10/16-22	Katherine	29	29	5	
10/23 - 11/16	10/23-28	Katherine	89	20	3	
TOTAL			336	267	26	

Potential Violations

Date	Time	Boat Desc.	Registration/Lic.	What was seen	2nd review

Date	Time	What was seen? Why do we care?			
9/28	14:42	Weeds hanging from the side of the boat coming out of the water			
9/29	10:56	Veeds hanging from the motor during retrieval			
9/30	12:03	ope being tugged by a truck			
9/30	14:22	Clearly visible registration, trailer, and boat			
10/7	11:51	Boat registration covered by a white strip			
10/9	14:09	Man pulls weeds off the side of his boat			