Adrienne Koepke
(b) (6) [redacted]n

11/09/2009 03:05 PM

To Sarah_Allen@nps.gov
cc
bcc
Subject Drakes Estero

Hi Sarah,

I hope everything is going well at Point Reyes, I miss it terribly. I have attached a word document which contains the activity at Drake's Estero captured by the camera. I apologize that I am sending it to you two months after I took the camera down, I'm hope Sarah Codde told you that I lost the original word document when my computer crashed and thus had to look through the photos a second time. Not bad photos to look at though! I tried to describe the activity clearly and in an organized fashion, but if you have ANY questions about it please let me know and I will clarify. Also, if there is any type of information missing that you were hoping to have I would be happy to add it on. I am also mailing you the CDs that contain the photos so you have them for your records. I Hope you are doing well!

Warmly,

Adrienne Koepke DrakesEstero.doc

Drake's Estero

No activity seen from start date 4-17 until 4-30.

4-30-09
7:50-7:54 boat approaches UEM from above OB.
7:54-8:11 tending to beds on UEM
8:11 to 8:13 boat leaves taking route above OB.
*Seals present on sandbars, no disturbance.

8:19 to 8:20 boat approaches UEM from above OB
8:20 to 8:43 tending to beds on UEM
8:43 to 8:46 boat leaves taking route above OB.
*Seals present on sandbars, no disturbance.

5-1-09
7:26-7:28 boat approaches UEM from above OB
7:28-7:32 stays in same spot near UEM, but no tending.
7:32-7:35 boat leaves taking route above OB.
*no seals present on sandbars.

9:57-9:58 boat approaches UEM from above OB
9:58 to 10:00 tending to beds on UEM.
10:00 to 10:01 boat leaves taking route above OB.
*Seals present on sandbars, no disturbance.

5-3-09
5:35-5:36 1 kayak travels down the channel between OB and UEM.
*Seals present on sandbars, no disturbance.

5-8-09
12:18-12:20 Boat approaches UEM from above OB.
12:20-2:24 Tending to beds on UEM.
2:24-2:28 Boat leaves taking route about OB.
*no seal present on sandbars.

1:07-1:08 Second boat approaches UEM from above OB.
1:08-1:13 tending to beds on UEM.
1:14-1:16 boat leaves taking route above OB.
*no seals present on sandbars.

5-12-09
8:33-8:34 Boat approaches UEM from above OB.
8:34-8:39 tending to beds on UEM.
8:39-8:41 leaves taking route above OB.
*no seals present on sandbars.

2:54-3:00 boat approaches UEM from above OB. The boast then turns around and leaves taking route above OB.
*no seals present on sandbars.

5-14-09
7:51-7:53 boat approaches OB from route above OB.
7:53-7:55 boat stays at OB, but no tending.
7:55-7:58 boat travels from OB to UEM, but no tending.
7:58-8:02 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

3:41-3:43 boat approaches OB taking route above OB.
3:43-4:07 tending to beds on OB.
4:07-4:10 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

5-16-09
8:41-8:55 boat approaches OB from above OB.
8:55-9:12 tending to beds on OB
9:12-9:15 boat travels from OB sandbar to middle of channel between OB and UEM.
9:15-9:20 boat stays in the middle of OB channel (boat does not enter the protected area.)
9:20-9:27 boat leaves taking route above OB.
*seals present on sandbars, but no disturbance.

5-19-09
10:11-10:14 boat approaches UEM from above OB.
10:14-10:18 tending to beds on UEM.
10:18-10:20 boat leaves taking route above OB.
*no seals present on sandbars.

5-20-09
11:53-11:58 boat approaches UEM from above OB.
11:58-12:02 tending to beds on UEM.
12:02-12:06 boat leaves UEM and travels across channel to OB.
12:06-12:14 tending to beds on OB.
12:14-12:20 boat leaves taking route above OB.
*no seals present.

2:58-3:00 boat approaches UEM from above OB.
3:00-3:08 tending to beds on UEM.
3:08-3:10 boat leaves taking route above OB.
*seals present, but no disturbance.

5-21-09
1:48-1:50 boat approaches UEM from above OB.
1:50-1:58 tending to beds on UEM.
1:58-2:00 boat leaves taking route above OB.
(no seal present)

2:01-2:15 boat approaches OB from above OB (do not get out of boat). Boat then travels to another spot on OB (do not get out of boat). Boat then leaves taking route above OB.
*seals present, no disturbance.

5-23-09
10:45-10:47 boat approaches UEM from above OB.
10:47-10:49 tending to beds on UEM.
10:49-10:51 boat travels across channel to OB.
10:51-10:56 tending to beds on OB.
10:56-11:00 boat leaves taking route above OB.
*no seals present on sandbars.

3:02-3:10 boat approaches OB from above OB.
3:10-3:18 tending to beds on OB.
3:18-3:26 boat leaves taking route above OB.
*no seals present on sandbars.

5-26-09
Disturbance:
7:55 Half of the harbor seals on OB flush to water. The cause of disturbance is unknown.
8:05 Harbor seals re-haul.

5-28-09
8:28-8:27 boat approaches UEM from above OB.
8:27-8:34 tending to beds on UEM.
8:34-8:36 boat leaves taking route above OB.
*no seals present on sandbars.

5-29-09
7:43-7:47 boat approaches OB from above OB.
7:47-7:49 boat stays at OB, but do not tend to beds.
7:49-7:52 boat moves to another spot on OB.
7:52-7:55 boat stays at OB, but do not tent to beds.
7:55-7:59 boat moves from OB to UEM.
7:59-8:05 tending to beds on UEM.
8:05-8:08 boat leaves taking route above OB.
*no seals present on sandbars.

5-29-09
11:00-11:02 boat approaches UEM from above OB.
11:02-11:11 tending to beds on UEM.
11:11-11:13 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

6-4-09
8:44-8:48 boat approaches OB from above OB.
8:48-10:05 tending to beds on OB.
10:05-10:11 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

9:01-9:03 boat approaches UEM from above OB.
9:03-9:19 tending to beds on UEM
9:19-9:23 boat leaves taking route above OB.
*seal present on sandbars, no disturbance.

6-9-09
12:51-12:55 boat approaches UEM from above OB.
12:53-12:57 tending to beds on UEM.
12:57-12:58 boat leaves taking route above OB.
*no seals present on sandbars.

2:16-2:20 boat travels toward channel from above OB (does not enter protected area,) then turns around and leaves.
*no seals present on sandbars.

6-10-09
8:43-8:49 boat approaches OB from above OB.
8:49-11:00 tending to beds on OB.
11:00-11:04 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

6-11-09
7:12-7:15 boat approaches UEM from above OB.
7:16-7:34 tending to beds on UEM.
7:34-7:36 boat leaves taking route above OB.
*no seals present on sandbars.

6-12-09
8:14-8:16 boat approaches UEM from above OB.
8:16-8:43 tending to beds on UEM.
8:43-8:46 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

6-16-09
8:38-8:42 boat approaches OB from above OB.
8:42-8:51 tending to beds on OB.
8:51-8:58 boat leaves taking route above OB.
*seal present on sandbars, no disturbance.

9:18-9:21 boat approaches UEM from above OB.
9:21-9:31 tending to beds on UEM.
9:31-9:33 boat leaves taking route above OB.
*Seals present on sandbars, no disturbance.

10:19-10:26 boat approaches OB from above OB.
10:26-11:39 tending to beds on OB.
11:29-11:37 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

6-17-09
8:40-8:46 boat approaches UEM from above OB.
8:46-10:49 tending to beds on UEM.
10:49-10:52 boat travels from UEM to OB.
10:52-12:23 tending to beds on OB.
12:23-12:28 boat leaves taking route above OB.
*no seals present on sandbars.

6-19-09
10:34-10:41 boat approaches UEM from above OB.
10:41-10:47 tending to beds on UEM.
10:47-10:50 boat leaves taking route above OB.
*no seal present on sandbars.

12:45-12:46 boat approaches UEM from above OB.
12:46-12:55 tending to beds on UEM.
12:55-12:56 boat leaves taking route above OB.
*no seals present on sandbars.

6-23-09
1:59-2:04 boat travels to UEM from above OB and back.
*no seals present on sandbars.

6-25-09
11:09-11:12 boat approaches UEM from above OB.
11:12-11:20 tending to beds on UEM.
11:20-11:22 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

6-26-09
11:23-11:25 boat approaches UEM to from above OB.
11:25-11:39 tending to beds on UEM.
11:39-11:41 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

6-27-09
2:10-2:12 boat approaches UEM from above OB.
2:12-2:17 tending to beds on UEM.
2:17-2:18 boat leaves taking route above OB.
*seal present, no disturbance.

6-30-09
8:43-8:47 boat approaches UEM from above OB.
8:47-8:58 tending to beds on UEM.
8:58-9:02 boat leaves taking route above OB.
*no seals present on sandbars.

7-2-09
10:59-11:01 two kayaks travel across OB and UEM.
*no seals present on sandbars.

11:32-11:34 one kayak travels across OB an UEM.
*no seals present on sandbars,

12:57-1:07 two kayaks travel near OB and UEM.
*no seals present on sandbars.

1:44-1:49 two kayaks travel near OB and UEM.
*no seals present on sandbars.

3:40-3:42 two kayaks travel across OB and UEM.
*no seals present on sandbars.

5:56-5:57 2 kayaks travel across UEM and OB.
*no seals present on sandbars.

5:58-5:57 two kayaks travel across UEM and OB.
*no seals present on sandbars.

5:58-6:00 one kayak travels across UEM and OB.
*no seals present on sandbars.

7-3-09

11:14-11:20 five kayaks travel across OB and UEM.
*no seals present on sandbars.

11:40-11:43 two kayaks travel across OB and UEM.
*no seals present on sandbars.

11:43-11:45 one canoe travels across OB and UEM.
*no seals present on sandbars.

11:46-11:48 two kayaks travel across OB and UEM.
*no seals present on sandbars.

12:04-12:07 one canoe and one kayak travel across OB and UEM.
*no seals present on sandbars.

12:20-12:22 one canoe and one kayak travel across UEM and OB.
*no seals present on sandbars.

12:53-12:55 one kayak travel across OB and UEM.
*no seals present on sandbars.

1:12-1:15 boat approaches UEM from above OB.
1:15-1:33 tending to beds on UEM.
1:33-1:35 boat leaves taking route above OB.
*no seals present on sandbars.

1:48-1:55 four kayaks travel across UEM and OB.
*no seals present on sandbars.

1:55-1:58 four kayaks travel across UEM and OB.
*no seals present on sandbars.

2:14-2:24 four kayaks travel near OB and UEM.
*no seals present on sandbars.

2:40-2:41 one kayak travels across OB and UEM.
*no seals present on sandbars.

2:44-3:01 two kayaks travel in channel between OB and UEM.
*no seals present on sandbars.

3:40-3:42 two kayaks travel near UEM and OB.
*no seals present on sandbars.

4:17-4:19 one kayak travels near UEM and OB.
*seals present on sandbars, no disturbance.

4:19-4:22 one kayak travels near UEM and OB.
*seals present on sandbars, no disturbance.

6:47-6:48 one kayak travels near UEM and OB.
*no seals present on sandbars.

7-4-09
12:18-12:22 two kayaks travel near UEM and OB.
*no seals present on sandbars.

2:23-2:27 six kayaks travel near UEM and OB.
*no seals present on sandbars.

2:44-2:47 two kayaks travel near OB and UEM.
*no seal present on sandbars.

4:44-4:47 two kayaks travel near UEM to OB.
*no seals present on sandbars.

7-5-09
1:30-1:31 one kayak travels near UEM and OB.
*no seals present on sandbars.

1:40-1:43 five kayaks travel near OB and UEM.
*no seals present on sandbars.

2:04-2:07 three kayaks travel near OB and UEM.
*no seals present on sandbars.

3:22-3:25 two kayaks travel near UEM and OB.
*no seal present on sandbars.

3:33-3:35 one kayak travels near UEM and OB.
*no seals present on sandbars.

3:36-3:38 two kayaks travel near UEM and OB.
*no seals present on sandbars.

7-6-09
11:22-11:25 two kayaks travel near OB and UEM.
*seals present on sandbars, no disturbance

7-9-09
12:42-12:45 boat approaches UEM from above OB.
12:45-1:01 tending to beds on UEM.
1:01-1:03 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

2:37-2:40 boat approaches UEM from above OB.They do not get out of boat to tend.
2:40-2:44 boat leaves taking route above OB.
*no seals present on sandbars.

7-10-09
10:54-10:56 boat approaches UEM from above OB.
10:56-11:11 tending to beds on UEM.
11:11-11:13 boat travels from UEM to OB.
11:13-11:37 tending to beds on OB.
11:37-11:40 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

7-11-09
3:29-3:32 two kayaks travel near OB and UEM.
*no seals present on sandbars.

3:34-3:39 two kayaks travel near OB and UEM.
*no seals present on sandbars.

4:38-4:46 boat travels from OB to UEM and then leaves taking route above OB. They do not get out of the boat to tend.
*no seals present on sandbars.

7-12-09
Disturbance:
11:07-11:20 one kayak travels down OB channel and into the protected area.
11:19 100% of harbor seals on OB flush to water.
11:25 some of the seals re-haul, but not all.

2:08-2:22 two kayaks travel down OB channel.
*seals present on sandbars, no disturbance.

7-17-09
8:19-8:22 boat approaches UEM from above OB.
8:22-8:25 tending to beds on UEM.
8:25-8:28 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

8:37-8:43 boat approaches UEM from above OB.
8:43-9:40 tending to beds on UEM.
9:40-9:43 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

2:52-2:59 boat from above OB travels to UEM. Then travels to OB and leaves taking route above OB. They do not leave the boat to tend to beds.
*seals present on sandbars, no disturbance

3:04-3:16 boat approaches UEM from above OB, then leaves taking route above OB. They do not get out of the boat to tend to beds.
*seals present on sandbars, no disturbance.

4:02-4:03 one kayak travels near UEM and OB.
*no seals present on sandbars.

9:59-10:03 boat approaches UEM from above OB.
10:03-11:51 tending to beds on UEM.
11:51-11:56 boat leaves taking route above OB.
*no seals present on sandbars.

7-18-09
10:42-10:44 two kayaks travel near OB and UEM.
*no seals present on sandbars.

12:45-12:47 two kayaks travel from UEM to OB.
*no seals present on sandbars.

2:30-2:32 two kayaks travel from UEM to OB.
*no seals present on sandbars.

3:46-3:48 boat approaches UEM from OB.
3:48-3:55 tending to beds on UEM.
3:55-4:00 boat leaves taking route above OB.
*no seals present on sandbars.

7-19-09
11:07-11:09 four kayaks travel near OB and UEM
*no seals present on sandbars.

11:41-11:46 five kayaks travel near OB and UEM.
*no seals present on sandbars.

1:11-1:13 one kayak travels near OB and UEM.
*no seals present on sandbars.

1:58-2:00 one kayak travels near UEM and OB.
*no seals present on sandbars.

3:01-3:04 five kayaks travel near UEM and OB.
*no seals present on sandbars.

Disturbance:
4:05-4:08 one kayak travels from UEM over OB and enters into protected area.
4:08 100% of seals on OB flush to water. It was almost low tide so not a lot of seals were hauled out. None of the seals re-hauled.

7-21-09
8:29-8:32 boat approaches UEM from above OB.
8:32-8:42 tending to beds on UEM.
8:42-8:46 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

1:04-1:08 boat approaches UEM from above OB.
1:08-1:41 tending to beds on UEM.
1:41-1:45 boat leaves taking route above OB.
*no seals present on sandbars.

2:43-2:52 one kayak travels in channel above OB and UEM.
*no seals present on sandbars.

7-22-09
12:39-12:43 boat approaches UEM from above OB.
12:43-2:09 tending to beds on UEM.
2:09-2:13 boat leaves taking route above OB.
*no seals present on sandbars.

7-23-09
Disturbance:
9:19-9:51 four kayaks moored on UEM.
9:51-10:06 kayaks travel down OB channel and enters protected area.
10:05 50% of seals on OB flush to water.
10:05-10:25 some of the seals re-haul (not all).

Disturbance:
9:31-9:42 one kayak travels down OB channel and enters protected area.
9:42 all but about ten seals flush to water.
9:45 most seals re-haul.

3:43-3:44 two kayaks travel below UEM and OB.
*no seals present on sandbars.

7-24-09
10:50-10:53 kayak travels from above OB to OB sandbar.
10:53-10:55 person walks on OB (near oyster beds, not near seals)
10:56-10:57 kayak travels from OB to UEM.
10:57-11:03 kayak moored on UEM.
11:03-11:07 kayak leaves taking route above OB.
*seals present on sandbars, no disturbance.

12:56-12:59 one kayak travels over OB and UEM.
*no seals present on sandbars.

2:08-2:10 one kayak travels over UEM and OB.
*no seals present on sandbars.

4:36-4:38 one kayak travels near OB and UEM.
*no seals present on sandbar.

7-25-09
2:56-2:59 one kayak travels over OB and UEM.
*no seals present on sandbars.

4:14-4:19 one kayak travels near UEM and OB.
*no seals present on sandbars.

7-26-09
12:12-12:14 two kayaks travel below OB and UEN.
*seals present on sandbars, no disturbance.

7-28-09
10:32-10:35 boat approaches UEM from above OB.
10:35-10:45 tending to beds on UEM.
10:45-10:47 boat travels across channel to OB.
10:47-1:41 tending to beds on OB.
1:41-1:43 boat travels from OB to UEM.
1:44-2:13 tending to beds on UEM.
2:13-2:16 boat leaves taking route above OB.
seals present on sandbars, no disturbance,

1:13-1:18 two kayaks travel over OB and UEM.
*seals present on sandbars, no disturbance.

2:12-2:16 two kayaks travel near UEM and OB.
*seals present on sandbars, no disturbance.

7-29-09
11:09-11:10 one small white motorboat travels under OB and UEM with wake.
*seals present on sandbar, no disturbance.

7-30-09
8:20-8:23 boat approaches UEM from above OB.
8:23-8:38 tending to beds on UEM.
8:23-8:46 boat leaves taking route above OB.
*seals present on sandbars, no disturbance

11:38-11:40 two kayaks travel below OB and UEM.
*seals present on sandbars, no disturbance.

12:18-12:19 boat approaches UEM from above OB.
12:19-12:28 tending to beds on UEM.
12:28-12:32 boat leaves taking route above OB.
*seals present on sandbars, no disturbance.

3:37-3:51 boat approaches UEM from above OB and then leaves taking same route above OB. They do not get out of boat to tend to beds.
*no seals present on sandbars.

3:54-3:56 two kayaks travels below UEM and OB.
*no seals present on sandbars.

7-31-09
3:32-3:46 boat approaches UEM from above OB. Then leave taking same route above OB. They do not get out of the boat to tend to beds.
*no seals present on sandbars.

3:40-3:43 one canoe travels over UEM and OB.
*no seals present on sandbars.

8-1-09
11:05-11:06 boat approaches UEM from above OB.
11:06-11:49 tending to beds on UEM.
11:49-11:55 boat leaves taking route above OB.
*no seals present on sandbars.

12:36-12:41 one kayak travels over OB and UEM
*no seals present on sandbars.

12:48-12:49 one kayak travels below UEM and OB.
*no seals present on sandbars.

2:04-2:06 four kayaks travel below UEM and OB.
*no seals present on sandbars.

2:16-2:18 one kayak travels over UEM and OB.
*no seals present on sandbars.

3:10-3:24 four kayaks travel down OB channel.
*no seals present on sandbars.