

Aerial_Master_2012_2014_v0_32 Version History

Edited by ALW

10 May 2022

ALW did a final QAQC of the 2009-2021 ASAMM data in April/May 2022, which resulted in the following edits.

Updated NoReacted field based on Response yes, notes, and Final_group fields (because NoReacted field wasn't added until 2013 and if people are looking for reactions for 2012 they might not realize they would have had to go to the notes field and calculate that info).

2012:

Event	Flt No	DateTime	Final group	RXN	No Reacted added	Notes (updated)
290	2	7/20/2012 12:22:01 PM	2	yes	1	rxn=1/2, dove
218	10	8/4/2012 11:57:46 AM	2	yes	2	cow dove, flukes up and calf went deep
303	10	8/4/2012 12:27:26 PM	1	yes	1	.
306	10	8/4/2012 12:28:11 PM	1	yes	1	.
438	11	8/5/2012 1:07:56 PM	1	yes	1	.
447	11	8/5/2012 1:11:02 PM	1	yes	1	.
635	13	8/9/2012 2:19:07 PM	1	yes	1	.
188	14	8/11/2012 4:39:33 PM	1	yes	1	.
358	14	8/11/2012 5:33:04 PM	7	yes	1	rxn=1/7, fluked
405	14	8/11/2012 5:52:38 PM	11	yes	11	rxn=11/11, flushed. diverted to verify species and #, fog rolled in and unable to keep sight on haulout, came upon them closer than anticipated
527	14	8/11/2012 6:30:47 PM	45	yes	23	rxn=23/45, flushed
707	14	8/11/2012 7:31:06 PM	11	yes	11	rxn=flushed; final group count added as NoReacted default
109	15	8/12/2012 12:25:07 PM	4	yes	4	No rxn notes, so final group count added as NoReacted default
213	15	8/12/2012 12:58:41 PM	1	yes	1	.
226	15	8/12/2012 1:02:52 PM	1	yes	1	.
249	15	8/12/2012 1:10:02 PM	6	yes	6	rxn=6/6 flushed into the water
315	15	8/12/2012 1:32:34 PM	1	yes	1	.
108	16	8/13/2012 2:20:08 PM	1	yes	1	rxn=dove
808	17	8/15/2012 4:25:06 PM	1	yes	1	.
1087	17	8/15/2012 6:26:07 PM	1	yes	1	.
182	18	8/17/2012 11:50:58 AM	6	yes	6	No rxn notes, so final group count added as NoReacted default
196	18	8/17/2012 11:54:46 AM	1	yes	1	.
263	18	8/17/2012 12:19:30 PM	1	yes	1	.
273	18	8/17/2012 12:23:22 PM	1	yes	1	.
509	18	8/17/2012 1:50:30 PM	1	yes	1	.
612	18	8/17/2012 2:28:05 PM	1	yes	1	.
1024	18	8/17/2012 5:59:45 PM	1	yes	1	.
87	19	8/18/2012 2:38:57 PM	1	yes	1	.
162	19	8/18/2012 3:06:06 PM	1	yes	1	rxn=dove
354	19	8/18/2012 4:20:10 PM	13	yes	7	rxn=7/13, dove
320	20	8/19/2012 2:04:33 PM	1	yes	1	.
72	21	8/25/2012 10:59:25 AM	2	yes	2	No rxn notes, so final group count added as NoReacted default
197	21	8/25/2012 11:51:00 AM	2	yes	2	rxn = 2/2, 1 fluked, resighted and photographed at 1209
198	21	8/25/2012 11:51:08 AM	2	yes	2	rxn=2/2

723	21	8/25/2012 3:23:31 PM	1	yes	1	rxn=dove
770	21	8/25/2012 3:40:46 PM	1	yes	1	rxn=dove, leveled off so included clino, aab deleted clino and swimdir during post-editing
403	22	8/26/2012 12:56:51 PM	1	yes	1	.
155	28	9/10/2012 1:57:24 PM	3	yes	1	rxn=1/3, dove
194	28	9/10/2012 2:07:16 PM	9	yes	2	rxn=2/9, dove
307	28	9/10/2012 2:35:39 PM	25	yes	5	rxn=5/25, dove
323	28	9/10/2012 2:41:09 PM	1	yes	1	.
718	32	9/15/2012 5:26:14 PM	1	yes	1	.
737	32	9/15/2012 5:32:21 PM	25	yes	4	rxn=4/25, dove
743	32	9/15/2012 5:35:40 PM	4	yes	1	rxn=1/4, dove
176	34	9/18/2012 10:10:36 AM	1	yes	1	.
369	42	10/2/2012 1:23:18 PM	34	yes	2	rxn=2/34, ran towards water and swam in surf; final group included 6 yearlings; final group, calfno, and number of yearlings derived from bears counted in photos; sighted while plane banking, so no clino
389	43	10/3/2012 1:10:25 PM	1	yes	1	rxn=dove
423	43	10/3/2012 1:19:30 PM	1	yes	1	rxn=dove
739	43	10/3/2012 3:05:28 PM	1	yes	1	rxn=dove
123	44	10/4/2012 11:26:55 AM	1	yes	1	.
141	44	10/4/2012 11:32:00 AM	1	yes	1	.
197	50	10/14/2012 11:49:05 AM	32	yes	3	rxn=3/32, stand to run. Cross Island. Final numbers derived from photos. 4 bears on frozen lake.
204	202	7/5/2012 11:13:58 AM	2	yes	2	rxn=2/2, dove
249	202	7/5/2012 11:31:15 AM	2	yes	1	rxn=1/2
348	202	7/5/2012 12:12:34 PM	1	yes	1	.
423	202	7/5/2012 12:42:38 PM	100	yes	25	25 animals reacted - dove
424	202	7/5/2012 12:42:42 PM	15	yes	15	rxn=15/15, dove
435	203	7/6/2012 12:52:10 PM	1	yes	1	rxn=dove
807	203	7/6/2012 4:31:13 PM	1	yes	1	was sighted diving
122	204	7/8/2012 10:34:32 AM	1	yes	1	rxn=dove
387	204	7/8/2012 12:28:24 PM	2	yes	2	rxn=2/2
432	204	7/8/2012 12:41:24 PM	12	yes	6	rxn=6/12, dove
433	204	7/8/2012 12:41:45 PM	5	yes	5	rxn=5/5, dove
591	205	7/10/2012 1:53:45 PM	1	yes	1	rxn=dove
626	205	7/10/2012 2:07:53 PM	1	yes	1	.
293	206	7/11/2012 3:41:46 PM	1	yes	1	rxn=dove
294	206	7/11/2012 3:41:53 PM	1	yes	1	rxn=dove
321	206	7/11/2012 3:50:30 PM	1	yes	1	rxn=dove
357	206	7/11/2012 4:01:01 PM	1	yes	1	rxn=dove
410	207	7/12/2012 1:15:21 PM	21	yes	21	all flush
503	208	7/13/2012 1:33:25 PM	1100	yes	10	10 flushed
601	208	7/13/2012 2:08:52 PM	75	yes	75	100% flushed
640	208	7/13/2012 2:23:33 PM	1	yes	1	rxn=dove
332	209	7/14/2012 12:21:42 PM	2	yes	1	rxn=1/2 dove, increasing altitude to reduce rxns
335	209	7/14/2012 12:22:50 PM	1	yes	1	rxn=dove
383	210	7/15/2012 12:49:29 PM	1	yes	1	.
605	210	7/15/2012 2:15:14 PM	1	yes	1	.
638	210	7/15/2012 2:26:41 PM	1	yes	1	.
387	211	7/19/2012 6:12:47 PM	1	yes	1	rxn=dove
334	213	7/21/2012 11:57:02 AM	1	yes	1	rxn=dove
394	213	7/21/2012 12:21:55 PM	1	yes	1	rxn=dove
428	213	7/21/2012 12:34:03 PM	1	yes	1	rxn=dove
563	213	7/21/2012 1:30:20 PM	2	yes	1	rxn=1/2, dove

613	213	7/21/2012 1:49:22 PM	4	yes	4	rxn=4/4, chgd direction
153	214	7/22/2012 12:26:01 PM	21	yes	10	rxn=10/21, dove; 30 sec count
286	214	7/22/2012 1:21:11 PM	4	yes	2	rxn=2/4, dove
525	214	7/22/2012 2:49:08 PM	1	yes	1	rxn=dove
557	214	7/22/2012 3:01:49 PM	2	yes	1	rxn=1/2, calf dove
654	216	7/25/2012 1:58:44 PM	2	yes	1	rxn=1/2, mom changed direction
457	217	7/26/2012 12:11:54 PM	1	yes	1	rxn=changed direction
114	218	7/28/2012 12:13:05 PM	1	yes	1	rxn=dove
460	222	8/6/2012 12:08:45 PM	2	yes	1	rxn=1/2, dove
136	224	8/13/2012 1:38:05 PM	1	yes	1	.
182	224	8/13/2012 1:56:59 PM	8	yes	8	rxn=8/8, dove
184	224	8/13/2012 1:57:47 PM	1	yes	1	rxn=dove
193	224	8/13/2012 2:00:23 PM	1	yes	1	.
325	225	8/14/2012 12:13:55 PM	1	yes	1	.
358	225	8/14/2012 12:23:55 PM	2	yes	1	rxn=1/2, dove
385	225	8/14/2012 12:33:55 PM	1	yes	1	.
391	225	8/14/2012 12:35:28 PM	1	yes	1	.
601	225	8/14/2012 1:46:49 PM	5	yes	1	rxn=1/5, dove
132	226	8/16/2012 1:48:10 PM	1	yes	1	.
440	228	8/18/2012 5:30:17 PM	1	yes	1	.
486	228	8/18/2012 5:45:30 PM	40	yes	40	Movement; No rxn notes, so final group count added as NoReacted default
507	228	8/18/2012 5:52:02 PM	50	yes	2	rxn=2/50, dove
527	228	8/18/2012 5:57:39 PM	20	yes	2	rxn=2/20, flushed
532	228	8/18/2012 5:58:39 PM	200	yes	10	rxn=10/200, dove; 30 sec count
534	228	8/18/2012 5:59:15 PM	50	yes	3	rxn=3/50, dove
294	230	8/20/2012 1:53:39 PM	4	yes	4	No rxn notes, so final group count added as NoReacted default
394	230	8/20/2012 2:28:43 PM	4	yes	2	rxn=2/4, dove
301	231	8/21/2012 3:54:20 PM	100	yes	20	rxn=20/100, dove
377	231	8/21/2012 4:20:51 PM	1	yes	1	.
383	231	8/21/2012 4:22:41 PM	73	yes	1	rxn=1/73
385	231	8/21/2012 4:22:47 PM	100	yes	2	rxn=2/100, dove
401	231	8/21/2012 4:27:31 PM	350	yes	70	rxn=70/350, dove; 30 sec count approx. clino = 65
638	232	8/23/2012 5:32:34 PM	1	yes	1	.
648	232	8/23/2012 5:35:16 PM	1	yes	1	rxn=dove
373	233	8/25/2012 12:11:55 PM	1	yes	1	rxn=dove
105	235	8/29/2012 4:17:49 PM	10	yes	4	rxn=4/10, flushed
107	237	9/3/2012 11:11:40 AM	2	yes	2	rxn=2/2, flushed
108	237	9/3/2012 11:11:52 AM	2	yes	2	rxn=2/2, flushed
116	237	9/3/2012 11:14:22 AM	11	yes	1	rxn=1/11, flushed
354	237	9/3/2012 12:40:24 PM	12	yes	12	rxn=12/12, flushed
620	239	9/7/2012 8:15:19 PM	1	yes	1	rxn=1/1, awoke, stood; noticed lying on tundra on approach to runway
356	240	9/8/2012 1:51:20 PM	1	yes	1	rxn=1/1, dove
168	242	9/10/2012 1:08:34 PM	2	yes	2	rxn=2/2, dove
203	242	9/10/2012 1:18:48 PM	60	yes	3	rxn=3/60, flushed
206	242	9/10/2012 1:19:18 PM	500	yes	50	rxn=50/500, flushed
525	242	9/10/2012 3:02:08 PM	2	yes	2	rxn=2/2, flushed
533	242	9/10/2012 3:03:24 PM	300	yes	10	rxn=10/300, flushed
157	252	9/26/2012 11:01:07 AM	3	yes	2	rxn=2/3, dove
459	252	9/26/2012 12:49:09 PM	1	yes	1	rxn=1/1, thrashed and dove
550	252	9/26/2012 1:25:59 PM	2	yes	1	rxn=1/2, stood up; bears on bay side of Point Franklin tower; 3 carcasses nearby
363	254	9/29/2012 12:28:28 PM	1	yes	1	rxn=1/1, dove

114	265	10/15/2012 11:35:50 AM	1	yes	1	.
488	265	10/15/2012 2:01:35 PM	1	yes	1	dove
444	266	10/18/2012 2:41:15 PM	1	yes	1	.
170	270	10/22/2012 1:01:36 PM	1	yes	1	.
325	270	10/22/2012 2:03:01 PM	1	yes	1	.
378	270	10/22/2012 2:22:51 PM	1	yes	1	.
376	272	10/26/2012 4:00:21 PM	1	yes	1	unknown, flushed into water; we were 1 mile away
414	273	10/28/2012 2:52:26 PM	1	yes	1	swim/look up/continued swimming; 1 mile from shore
158	301	6/30/2012 11:01:01 AM	50	yes	2	two into water
163	301	6/30/2012 11:02:06 AM	50	yes	25	rxn=25/50, flushed
170	301	6/30/2012 11:04:42 AM	50	yes	25	rxn=25/50, flushed
180	301	6/30/2012 11:07:29 AM	8	yes	3	rxn=3/8, dove
322	301	6/30/2012 12:00:42 PM	2	yes	2	dove
324	301	6/30/2012 12:01:10 PM	1	yes	1	dove
152	302	7/1/2012 3:49:36 PM	50	yes	30	rxn=30/50, flushed
172	303	7/2/2012 12:49:36 PM	30	yes	8	rxn=8/30, flushed
366	305	7/6/2012 12:19:23 PM	1	yes	1	dove
381	305	7/6/2012 12:23:58 PM	25	yes	25	on bluffs; No rxn notes, so final group count added as NoReacted default
483	306	7/8/2012 12:20:54 PM	1	yes	1	.
547	306	7/8/2012 12:46:47 PM	1	yes	1	.
333	309	7/12/2012 12:24:24 PM	1	yes	1	.

30-sec count: clino, notes, X/Y of whale, Lat/LongTemp edits:

F206, 7/11/2012

- E337 – clino = -1, notes = approx. clino = 30, X/Y of whale = -1, Lat/LongTemp = 70.11353, -163.2916 (taken from Arclat/Long)
- E338 – clino = -1, notes = approx. clino = 35, X/Y of whale = -1, Lat/LongTemp = 70.11231, -163.2872 (taken from Arclat/Long)
- E343 – Clino = -1, notes = approx. clino = 62, X/Y of whale = -1, Lat/LongTemp = 70.08072, -163.1719 (taken from Arclat/Long)
- E344 – clino = -1, notes = approx. clino = 79, X/Y of whale = -1, Lat/LongTemp = 70.08012, -163.1697 (taken from Arclat/Long)

F214, 7/22/2012

- E158 – clino = -1, notes = approx. clino = 53, X/Y of whale = -1, Lat/LongTemp = 71.65995, -160.0155 (taken from Arclat/Long)
- E161 – clino = -1, notes = approx. clino = 32, X/Y of whale = -1, Lat/LongTemp = 71.67815, -160.0805 (taken from Arclat/Long)
- E165 – clino = -1, notes = approx. clino = 45, X/Y of whale = -1, Lat/LongTemp = 71.70937, -160.1871 (taken from Arclat/Long)

E247, **F230, 8/20/2012** – clino = -1, notes = approx. clino = 49, X/Y of whale = -1, Lat/LongTemp = 71.92479, -154.8403 (taken from Arclat/Long)

F231, 8/21/2012

- E389 – clino = -1, notes = approx. clino = 12, X/Y of whale = -1, Lat/LongTemp = 71.84422, -162.361 (taken from Arclat/Long)
- E390 – clino = -1, notes = approx. clino = 10, X/Y of whale = -1, Lat/LongTemp = 71.84132, -162.3502 (taken from Arclat/Long)
- E393 – clino = -1, notes = approx. clino = 10, X/Y of whale = -1, Lat/LongTemp = 71.82839, -162.2993 (taken from Arclat/Long)

E397 – clino = -1, notes = approx. clino = 15, X/Y of whale = -1, Lat/LongTemp = 71.81144, -162.2359 (taken from ArcLat/Long)
E399 – clino = -1, notes = approx. clino = 11, X/Y of whale = -1, Lat/LongTemp = 71.80514, -162.2099 (taken from ArcLat/Long)
E401 – clino = -1, notes = approx. clino = 65, X/Y of whales = -1, Lat/LongTemp = 71.7953, -162.1716 (taken from ArcLat/Long)
E404 – clino = -1, notes = approx. clino = 53, X/Y of whale = -1, Lat/LongTemp = 71.77966, -162.1117 (taken from ArcLat/Long)
E405 – clino = -1, notes = approx. clino = 14, X/Y of whale = -1, Lat/LongTemp = 71.77921, -162.1099 (taken from ArcLat/Long)
E409 – clino = -1, notes = approx. clino = 8, X/Y of whale = -1, Lat/LongTemp = 71.76204, -162.0465 (taken from ArcLat/Long)
E411 – clino = -1, notes = approx. clino = 16, X/Y of whale = -1, Lat/LongTemp = 71.7505, -162.0013 (taken from ArcLat/Long)
E412 – clino = -1, notes = approx. clino = 22, X/Y of whale = -1, Lat/LongTemp = 71.75001, -161.9995 (taken from ArcLat/Long)
E415 – clino = -1, notes = approx. clino = 53, X/Y of whale = -1, Lat/LongTemp = 71.73972, -161.9619 (taken from ArcLat/Long)
E420 – clino = -1, notes = approx. clino = 5, X/Y of whale = -1, Lat/LongTemp = 71.72007, -161.8861 (taken from ArcLat/Long)

F252, 9/26/2012

E185 – clino = -1, notes = approx. clino = 35, X/Y of whale = -1, Lat/LongTemp = 69.50596, -163.4649 (taken from ArcLat/Long)
E187 – clino = -1, notes = approx. clino = 30, X/Y of whale = -1, Lat/LongTemp = 69.5088, -163.4739 (taken from ArcLat/Long)

F254, 9/29/2012

E453 – clino = -1, notes = approx. clino = 55, X/Y of whale = -1, Lat/LongTemp = 71.79912, -167.592 (taken from ArcLat/Long)
E454 – clino = -1, notes = approx. clino = 30, X/Y of whale = -1, Lat/LongTemp = 71.7978, -167.5857 (taken from ArcLat/Long)

Aerial_Master_2012_2014_v0_31 Version History

Edited by AAB
4 May 2022

ALW did a final QAQC of the 2009-2021 ASAMM data in April/May 2022, which resulted in the following edits.

FlightInfo Table:

2014 Flights 23-34 – Changed Observer1 and Observer2 from “Jess Taylor” to “Jessica Taylor”

Output Table:

E324, F221, 8/5/2012 – Swimdir_True = -1

E158, F246, 9/15/2012 – Swimdir_True = -1

E337, F270, 10/22/2012 – Swimdir_True = -1

E360, F8, 7/29/2012 – saved = 0

E576, F204, 7/8/2012 – saved = 0

E292, F20, 8/19/2012 – Species = unid cetacean, saved = 1, notes = “frames 2-8, unknown photographer. Species ID updated May 2022 and chgd to saved=1; unknown why it was saved=0 when we had photos of the sighting.”

E80, F3, 7/21/2013 = ObsRight = Vicki Beaver

E1409, F4, 7/22/2013 – saved = 0

E1396, F12, 8/11/2013 – saved = 0

E573-574, F237, 9/14/2013 – saved = 0

E206-208, F242, 9/24/2013 – saved = 0

E773-774, F243, 9/25/2013 – saved = 0

E1282, F246, 9/29/2013 – saved = 0

E325, F32, 9/23/2013 – Entry = start transect

E292, F12, 8/19/2014 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp

E331, F224, 8/20/2014 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp

E1067, F225, 8/21/2014 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp

E757-758, F241, 9/28/2014 – saved = 0

E606, F28, 9/26/2014 – added to notes: “inter-annual match. Resighted on 8/7/2016, F221, E370. Scars on rostrum, left and right scapula, and middle-right back all match.”

E483, F230, 8/31/2013 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp, added to notes: “approx. clino 65”

E487, F230, 8/31/2013 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp, added to notes: “approx. clino 63”

E573, F240, 9/22/2013 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp, added to notes: “approx. clino 62”

E574, F240, 9/22/2013 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp, added to notes: “approx. clino 58”

E316, F247, 9/30/2013 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp, added to notes: “approx. clino 65”

E317, F247, 9/30/2013 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp, added to notes: “approx. clino 42”

E569, F247, 9/30/2013 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp, added to notes: “approx. clino 42”

E570, F247, 9/30/2013 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp, added to notes: “approx. clino 33”

E668, F12, 8/11/2013 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp, added to notes: “approx. clino 60”

E326, F35, 9/29/2013 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp, added to notes: “approx. clino 54”

E1119, F15, 8/23/2014 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp, added to notes: “approx. clino 50”

E178, F34, 10/7/2014 – Clinometer = -1, X/YofWhale = -1, copied ArcLat/Long to Lat/LongTemp, added to notes: “approx. clino 50”

2014 BWASP Flights 23-34, changed Observer from “Jess Taylor” to “Jessica Taylor”

E371, F206, 7/15/2014 – Response = yes, NoReacted = 400, added to notes: “Response & NoReacted were not recorded, but notes say they were flushed, so updated to yes & 400 as default; images show no reaction forward abeam”

E97, F47, 10/7/2012 – Sop = “I”

Aerial_Master_2012_2014_v0_30 Version History

Edited by AAB

3 February 2022

ALW found the following mdb updates during QAQC of gray whale carcass imagery Jan 2022:

8/1/2013, F214, E783 – family = 6

9/30/2013, F247, E1018 – added to notes ...S.Churches frames 1-5 “taken during E1024”, family = 1,
photos = 1

9/5/2014, F233, E669 – notes “Resighted 9/23/14 F238 E1411 and photographed, cause of death:
unknown, based on those photos”

9/23/2014, F238, E1411 – notes “F85-93, CA; Resight of 9/5/14 F233 E669. Cause of death (COD) could
not be determined; COD of initial sighting based on these photos. Post-script sps update based on
images and resighting of whale recorded as gray whale.”

Aerial_Master_2012_2014_v0_29 Version History

Edited by AAB
3 February 2021

ID199267 F215 E470 7/29/2014 – notes – added “Killer whale predation.” before the sentence about the resight.

Aerial_Master_2012_2014_v0_28 Version History

Edited by AAB

19 February 2020

Mike Hay updated the Block field to "1a" for the following events:

YEAR	Flt_No	Event
2012	21	459
2012	42	355
2012	45	382
2013	7	377
2013	14	385
2013	14	391
2013	29	17
2013	32	620
2013	32	800
2014	2	511
2014	6	175
2014	17	279
2014	17	624
2014	17	946
2014	17	954
2014	17	956
2014	21	502
2014	21	504
2014	24	939
2014	24	1273
2014	27	359
2014	27	402
2014	27	410
2014	27	414
2014	28	977
2014	243	564

AAB mapped all Block 1 events and found more sightings along the Block 1 shoreline that were not included in the Block 1 to Block 1a update because the Block 1a shapefile did not extend all the way to overlap the shoreline. AAB updated these events to Block 1a:

ID	Event	Flight	Date
165991	979	28	9/26/2014 16:53

Updated new baitball sighting to Block 15 (was updated in v0_27 from a note on a non-sighting entry to a sighting, but the Block field was not updated):

ID	Event	Flt_No	GMT_Minus8_DateTime	Block
22375	452	228	18-Aug-12	15

Carcass updates:

2012:

E396, F213, 7/21/2012 – added to notes: frames 1-6. Killer whale predation.
E38, F223, 8/12/2012 – added to notes: frames 1-4. Killer whale predation.
E344, F226, 8/16/2012 – added to notes: frames 37-60. Killer whale predation.
E590, F230, 8/20/2012 – added to notes: frames 112-127; Killer whale predation.
E134, F231, 8/21/2012 – added to notes: frames 18-39. Killer whale predation.
E559, F232, 8/23/2012 – Species = gray whale, notes = “frames 60-74. Killer whale predation; sp updated to gray whale from unid (knuckles visible)”
E214, F233, 8/25/2012 – added to notes: frames 15-26. Suspect killer whale predation.
E330, F233, 8/25/2012 – added to notes: frames 27-36. Killer whale predation.
E157, F236, 9/1/2012 – notes = “frames 8-12. Killer whale predation.”
E595, F240, 9/8/2012 – Species = gray whale, notes = “frames 4-13. sps updated to gray whale. Killer whale predation.”
E17, F250, 9/24/2012 – added to notes: frames 1-17. Killer whale predation.
E544, F255, 9/30/2012 – Species = gray whale, notes = “frames 1-10. advanced decomposition. Sps updated to gray whale. Killer whale predation.”
E551, F46, 10/6/2012 – notes = “frames 17-32. Killer whale predation.”

2013:

E725, F214, 8/1/2013 – notes = “frames 6-11. Killer whale predation.”
E747, F214, 8/1/2013 – notes = “frames 12-15”
E783, F214, 8/1/2013 – Species = unid marine mammal, notes = “frames 16-17. very decomposed; species determination based on post-script photo analysis, updated Feb 2019; likely walrus.”
E328, F237, 9/14/2013 – added to notes “Resighted 9/19/2013 F239, E210. Cause of death could not be determined.”
E210, F239, 9/19/2013 – notes “repeat sighting of 9/14/13 F237, E328; cause of death could not be determined via images of 1st sighting.”

2014:

E470, F215, 7/29/2014 – notes = “F10-23, clc. Postscript-carcass beached near Barrow on 8/2/14; NSB documented, scars on belly matched to ASAMM photos. Resighted by ASAMM 8/27/14 F228 E356.”
E343, F228, 8/27/2014 – notes = “frames 1-7. Resighted 9/5/14 F233 E737. Suspect killer whale predation.”
E356, F228, 8/27/2014 – notes = “repeat sighting of 7/29/2014 F215 E470 offshore of Wainwright that later washed ashore near Barrow. NSB documented on 8/2/14 scars on belly matched to ASAMM photos; killer whale predation based on images from 1st sighting.”
E305, F232, 9/4/2014 – added to notes: Cause of death could not be determined.
E523, F233, 9/5/2014 – notes = “Resighted 9/23 F238 E1226. Cause of death could not be determined.”
E669, F233, 9/5/2014 – notes = “Resighted 9/23/14 F238 E1411. Cause of death could not be determined.”
E737, F233, 9/5/2014 – notes = “Resight of 8/27/2014 F228 E343. Suspect killer whale predation (based on images of original sighting)”
E1192, F238, 9/23/2014 – added to notes: Cause of death could not be determined.

E1226, F238, 9/23/2014 – Species = gray whale, notes = “advanced decom. Resight of 9/5/14 F233 E523. Cause of death could not be determined.”

E1411, F238, 9/23/2014 – Species = gray whale, notes = “F85-93, CA; Resight of 9/5/14 F233 E669. Cause of death could not be determined. Post-script sps update based on images and resighting of whale recorded as gray whale.”

Compacted & Repaired.

Aerial_Master_2012_2014_v0_27 Version History

Edited by AAB

4 February 2020

ID 87934 F207 E502 (7/12/2013) – PhotoTaken 1

ID 192952-192980 F205 E270-298 (7/12/2014) (14 sightings) – notes “photos taken during circling E270-298, J.Gatzke, frames 1-30”, PhotoTaken 1

ID 40210, E508, F256 (10/1/2012) – notes “J.Crance, frames 30-46; moderate decomp; large slick; lots of birds. Species chgd based on post-script image review; possible resighting on 10/22/2012 F270 E171. Injuries consistent with KW predation, R.Stimmelmayer (NSB DWM), 29Jan2018”

ID 104726, E234, F235 (9/11/2013) – Calfno 0, Calf_on_circle -1, notes “likely yearling; project camera (B.Lynch) frames, 1-5; V.Beaver camera (S.Churches photographer) frames, 53-57. Injuries consistent with KW predation, R.Stimmelmayer (NSB DWM), 21 Jan 2018”

ID 107746, E536, F239 (9/19/2013) – notes “frames 1-6 Stan Churches photographer. Moderate decomp. Visual COD investigation: R.Stimmelmayer (NSB DWM) 31Mar2019 -killer whale predation, large tissue defects on head, tongue missing”

ID 109497, E41, F242 (9/24/2013) – notes “frames 1-6 photographer J.Turner w/ birds. Moderate decomp. Visual COD investigation: R.Stimmelmayer (NSB DWM) 31Mar2019 -suspect killer whale predation, large tissue defect of head region”

ID 110466, E41, F244 (9/26/2013) – notes “frames 1-5. decomposed with birds. Moderate decomp. Visual COD investigation: R.Stimmelmayer (NSB DWM) 31Mar2019 -no obvious injuries.”

ID 22375 E452 F228 (8/18/2012) – s on transect, Species baitball, Sightcue body, Habitat open water, Final_group 1, sop l, Observer Karen Vale, PrimObs 1, Family 7, enttag 3

ID24321 F230 E879 (8/20/2012) – Entry s on transect, Species baitball, Sightcue body, Habitat open water, Final_group 1, sop l, Observer Karen Vale, PrimObs 1, filled in environmentals from previous entry, Block 12, notes “fish visible in area”, FltType 2, Transect_id 134, Family 7, enttag 3, filled in crew, PhotoTaken 0, copied ArcLat/Long to Lat/LongTemp

ID 91590 F214 E726 – divert to circling, filled in environmentals from previous entry, FltType 6, enttag 1, filled in crew, PhotoTaken 0

ID 91594 F214 E730 - p on circling – search, FltType 6

ID91600 F214 E736 – resume, filled in environmentals from previous entry, FltType 4, enttag 1, filled in crew, PhotoTaken 0

Changed "baitball" to "bait ball":

ID	Event	Flt_No	GMT_Minus8_DateTime
22375	452	228	8/18/2012 5:33:14 PM
24321	879	230	8/20/2012 5:26:31 PM

Compacted & Repaired.

Aerial_Master_2012_2014_v0_26 Version History

Edited by AAB

21 December 2018

Some BWASP transects were found in the 2012 data that did not have transect ID assigned. Megan's code that assigned transect IDs retroactively to the BWASP study area included the following rule:

"If > [max.buff.km](#) of tx segment is outside of a longitudinal bin, no tx ID is assigned. If a segment crosses into two bins and neither bin has > [max.buff.km](#), the [tx.id](#) is assigned to the bin with the longest segment. If a segment crosses multiple bins and only one bin has > [max.buff.km](#), [tx.id](#) is assigned to the bin with the longest segment."

From Megan: I chose 5 km to be the threshold value, [max.buff.km](#). I implemented this rule to avoid assigning transect IDs to wacky transects that were created "on the fly" and don't match the standard BWASP survey design. A problem occurs when > 5 km of transect effort for a given transect is located in more than one longitudinal bin, but the transect still generally follows the standard BWASP survey design. In those cases, the code left the transect ID blank. The three cases are shown in the attached figures and listed below, along with my recommended solutions:

1. Flight 211, events 553-596: This transect is found in bins 33 and 34, but mostly in bin 34. I suggest giving this a transect ID of 134.
2. Flight 221, events 207-343: This transect is found in bins 20 and 21, but mostly in bin 21. I suggest giving this a transect ID of 121.
3. Flight 221, events 486-602: This transect is found right on the border of bins 23 and 24. I suggest giving this a transect ID of 124.

Edits made to data:

7/19/2012 F211 E553-594 – Transect_id 134

8/5/2012 F221 E207-342 – Transect_id 121

8/5/2012 F221 E486-594 – Transect_id 124

Compacted & Repaired.

Aerial_Master_2012_2014_v0_25 Version History

Edited by AAB

14 November 2018

Added fields:

Icepercent_l

Icepercent_r

assoc_event

In Design View of the Output table, copy/pasted the Description entries for those fields from the 2018 master database:

Added Icepercent_l Description: Estimate of the percent of ocean surface within the visual range of the left observer (beginning in 2018)

Added Icepercent_r Description: Estimate of the percent of ocean surface within the visual range of the right observer (beginning in 2018)

Added assoc_event Description: FltType 8, enttags 6 & 7 are populated with the Event number of the FltType 8, enttag 3 they are associated with. FltType 8, enttag 3 are populated with the Event numbers of the FltType 8, enttags 6 & 7 they are associated with.

Changed the Block field from Number to ShortText in Design View:

(so that all Block fields are formatted the same throughout the master databases; in 2018, with the inclusion of block 13N, the field had to be changed to ShortText.)

When trying to change the field to ShortText, Access gave me this error: Microsoft Access can't change the data type. There isn't enough disk space or memory.

So I created a blank database/table with all the same table structure: copied the Design view of the Output table and pasted it into a new table's Design view. That created a table with all the fields, but no data yet. In this new table, changed Block to ShortText and saved it. Then ran an append query to append the 2012-2014 master data into the new table. Copied the FlightInfo, SummaryInfo, and lut tables into the new database.

Compacted & Repaired.

Aerial_Master_2012_2014_v0_24 Version History

Edited by AAB
16 August 2018

Deleted lut_Observer and lut_Pilot tables.

Output table:

ID11210 E449 F209 – Calf_on_circle 4

ID179818 E315 F243 – Calf_on_circle 9

Aerial_Master_2012_2014_v0_23 Version History

Edited by AAB

9 February 2018

ID 13605, E396, F213, 7/21/2012 – Species gray whale, add to notes: "species chgd based on post-script image review; whale is too large for beluga, fluke not beluga shaped, sloughy dark pigmentation is visible, paddle shaped pecs"

ID 22946, E348, F229, 8/19/2012 – Species walrus, notes: "sp. chgd based on post-script image review"

ID 37246, E643, F252, 9/26/2012 – notes: "LVB, frames 41-68; species chgd based on post-script image review. Injuries consistent with KW predation, R.Stimmelmayer (NSB DWM), 21Jan2018"

ID 40210, E508, F256, 10/1/2012 – notes: "J.Crance, frames 30-46; advanced decomp; large slick; lots of birds. Species chgd based on post-script image review; possible resighting on 10/22/2012 F270 E171. Injuries consistent with KW predation, R.Stimmelmayer (NSB DWM), 29Jan2018"

ID 104726, E234, F235, 9/11/2013 – notes: "calf/yearling; project camera (B.Lynch) frames, 1-5; V.Beaver camera (S.Churches photographer) frames, 53-57. Injuries consistent with KW predation, R.Stimmelmayer (NSB DWM), 21 Jan 2018"

ID 114618, E1018, F247, 9/30/2013 – notes: "black and white. For actual position, see repeat sighting E1024; S.Churches frames 1-5. Injuries consistent with KW predation, R.Stimmelmayer (NSB DWM), 21Jan2018"

ID 114586, E1024, F247, 9/30/2013 – notes: "Repeat of E1018, this is more accurate position; S.Churches frames 1-5. Fresh dead with white scarring on flanks. Injuries consistent with KW predation, R.Stimmelmayer (NSB DWM), 21Jan2018"

Aerial_Master_2012_2014_v0_22 Version History

Edited by AAB

17 January 2018

ID 153254, E771, F13, Date 8/20/2014 – Behavior: removed trailing space from “spy hop “

ID 183378, E595, F247, Date 10/8/2014 – Behavior: removed trailing space from “spy hop “

ID 19477, E38, F223, Date 8/12/2012 - Species gray whale, notes “species determination based on post-script photo analysis”

ID 37246, E643, F252, Date 9/26/2012 - Species bowhead whale, notes “species determination based on post-script photo analysis”

ID 40210, E508, F256, Date 10/1/2012 - Species bowhead whale, notes “advanced decomposition; large slick; lots of birds; species determination based on post-script photo analysis; possible resighting on 10/22/2012 F270 E171”

ID 114618, E1018, F247, Date 9/30/2013 - Species bowhead whale, Behavior dead, notes "black and white. For actual position, see repeat sighting E1024"

ID 1146586, E1024, F247, Date 9/30/2013 - Repeat yes, notes "repeat of E1018, this is more accurate position; frames 1-5; photographer Stan Churches; fresh dead with white scarring on flanks; possible killer whale predation, based on post-script photo analysis"

ID 49298, E171, F270, Date 10/22/2012 – notes “images 4-8; likely the same whale as bowhead whale sighted on 10/1/2012, F256, E508, based on post-script photo analysis”

ID 49298, E171, F270, Date 10/22/2012 – notes “images 4-8; likely the same whale as bowhead whale sighted on 10/1/2012, F256, E508, based on post-script photo analysis”

ID 91647, E783, F214, Date 8/1/2013 - Species gray whale, notes “very decomposed; species determination based on post-script photo analysis”

Aerial_Master_2012_2014_v0_21_VH

Aerial_Master_2012_2014_v0_21 Version History

Edited by AAB

4 December 2017

Output table:

ID 105580 FLT236 E318 - Species unid shark

SummaryInfo table:

Deleted fields:

Bowhead_Calves

Bowhead_Calves_On_Transect

Renamed fields:

from Bowhead_Cow_calf_Pairs to Bowhead_Calves

from Bowhead_Cow_calf_Pairs_on_transect to Bowhead_Calves_On_Transect

Aerial_Master_2012_2014_v0_20_VH

Aerial_Master_2012_2014_v0_20 Version History
Edited by AAB
24 October 2017

Output table:

Family 6 (unid mar mam's and sm unid mar mam's):

ID	Event	Flt_No	GMT_Minus8_DateTime
3883	364	307	7/10/2012 1:36:44 PM
4896	406	309	7/12/2012 12:48:38 PM
13548	288	213	7/21/2012 11:39:31 AM
14300	93	214	7/22/2012 12:08:11 PM
53889	549	4	7/22/2012 2:05:58 PM
76303	579	37	9/23/2012 4:22:39 PM
37542	562	252	9/26/2012 1:30:28 PM
37591	568	252	9/26/2012 1:32:30 PM
44830	103	263	10/13/2012 12:21:48 PM
44839	112	263	10/13/2012 12:24:34 PM
87727	334	207	7/12/2013 12:09:58 PM
125676	319	9	8/4/2013 6:47:52 PM
94112	92	219	8/13/2013 2:30:53 PM
131467	342	17	8/23/2013 4:54:38 PM
131564	532	17	8/23/2013 5:55:18 PM
133047	141	20	8/26/2013 3:33:40 PM
103719	286	233	9/6/2013 11:42:34 AM
141618	206	33	9/25/2013 4:20:19 PM
195971	688	210	7/22/2014 1:56:14 PM
197063	408	212	7/25/2014 12:33:09 PM
198082	613	213	7/26/2014 3:17:38 PM
203436	638	219	8/6/2014 4:48:13 PM
177546	761	239	9/24/2014 6:19:55 PM
189706	689	256	10/29/2014 2:51:00 PM

Cline -1, X/YofWhale -1, chgd Lat/LongTemp to ArcLat/Long:

ID	Event	Flt_No	GMT_Minus8_DateTime
140855	261	32	9/23/2013 12:00:02 PM
142431	327	34	9/27/2013 1:10:47 PM
113238	909	246	9/29/2013 4:39:48 PM

Aerial_Master_2012_2014_v0_19_VH

Aerial_Master_2012_2014_v0_19 Version History

Edited by AAB

12 April 2017

Output table:

-ID109497 F242 E41 (20130924) - removed from note: "gray whale?"

-Replaced all "Jess Taylor" to "Jessica Taylor"

-Removed trailing spaces from Behavior "run "

ID	Event	Flt_No	Date
186783	393	253	10/26/2014
189585	568	256	10/29/2014
201247	1022	217	7/31/2014
210687	274	231	9/1/2014

-Removed trailing space from Skycon "overcast "

ID	Event	Flt_No	Date
88760	86	209	7/15/2013
88768	94	209	7/15/2013
88772	98	209	7/15/2013
88774	100	209	7/15/2013
88845	103	209	7/15/2013
88855	113	209	7/15/2013
88858	116	209	7/15/2013

- Changed VisImpL and VisImpR from "n/a" to "none"

ID	Event	Flt_No	GMT_Minus8_DateTime
130010	380	15	8/20/2013 12:29:20 PM
129997	354	15	8/20/2013 12:17:57 PM
129983	331	15	8/20/2013 12:07:30 PM
129979	327	15	8/20/2013 12:05:57 PM
129825	369	15	8/20/2013 12:24:26 PM
129811	342	15	8/20/2013 12:12:06 PM
129810	341	15	8/20/2013 12:11:42 PM
129803	323	15	8/20/2013 12:04:39 PM
129796	316	15	8/20/2013 12:02:06 PM
129978	326	15	8/20/2013 12:05:47 PM

Aerial_Master_2012_2014_v0_18_VH

Aerial_Master_2012_2014_v0_18 Version History

Edited by AAB

21 February 2017

Output table:

ID105337 F236 E146 - notes "PhotoTaken value of 1, but no photos found"

Swimdir entry changed to "."; Swimdir_True value changed to "-1":

ID	Event	Flt_No
1928	122	305
2377	553	305
10707	595	208
52504	384	2
52589	393	2
16691	468	217
59379	143	14
19858	512	223
23892	404	230
24156	747	230
29684	202	240
32129	454	243
47438	708	267
48107	361	268
99642	617	227
112813	436	246
117640	842	251
191434	260	203
191463	268	203
200720	730	217
153254	771	13
207770	357	226
167073	241	30
179704	261	243
180115	503	243
181480	323	245

Swimdir_True value changed to "-1":

ID	Event	Flt_No
54663	369	5
21019	364	225
29504	22	240
44215	363	262
83784	74	202
144900	374	2
153187	704	13
181591	526	245

Calf_on_Circle value changed to "1":

ID	Event	Flt_No
4583	144	309
11194	424	209

Aerial_Master_2012_2014_v0_18_VH

53772	501	4
16433	269	217
16532	295	217
45304	216	265
85083	545	203
85092	566	203
85178	575	203
120298	383	1
120382	410	1
120351	593	1
120638	746	1
121890	264	4
95829	808	222
95830	809	222
130499	900	15
131373	311	17
136182	191	24
136185	194	24
142813	149	35
143132	370	35
118239	205	252
194275	512	207
195204	443	209
195213	452	209
144208	506	1
203467	669	219
203483	685	219
203488	690	219
203492	694	219
203521	723	219
154707	132	15
158190	498	18
173484	798	236
182175	384	246

Calf_on_Circle value changed to "2":

ID	Event	Flt_No
2187	381	305
172142	1034	234
173518	813	236

Calf_on_Circle value changed to "3":

ID	Event	Flt_No
85881	111	204

Calf_on_Circle value changed to "4":

ID	Event	Flt_No
11210	449	209

Calf_on_Circle value changed to "9":

ID	Event	Flt_No
179818	315	243
153446	495	13

Aerial_Master_2012_2014_v0_17 Version History

Edited by AAB

11 January 2017

Output table:

Skycon "clear" (removed trailing space from "clear "):

ID202440 F218 E637
ID202444 F218 E641
ID202447 F218 E644
ID202461 F218 E647
ID202463 F218 E649
ID202472 F218 E658
ID202481 F218 E667
ID202483 F218 E669
ID202484 F218 E670
ID202486 F218 E672
ID202487 F218 E673
ID202500 F218 E675
ID202505 F218 E680
ID202509 F218 E684
ID202526 F218 E690
ID202529 F218 E693

Aerial_Master_2012_2014_v0_16_VH

Edited by AAB
4 Nov 2016

Output table:

Changed 2013 and 2014 manual non-sighting entry Block numbers to "-1".

Aerial_Master_2012_2014_v0_15_VH

Edited by AAB
11 Oct 2016

Output table:

Changed 2014 "deadhead" and "p on deadhead" event entries' Block numbers to "-1".

Aerial_Master_2012_2014_v0_14_VH

Output table:

Updated Transect_id field with Beaufort Sea transects (140W to 157W) using transect ID numbers assigned by MCF, starting with 101 in the easternmost survey bin (140.0 to 140.5 W) and ending with transect ID 134 near Barrow.

Aerial_Master_2012_2014_v0_13_VH

Output table:

ID61364 FLT16 E460, ID61280 FLT16 E469, ID58841 FLT13 E633 (all 2012) - removed trailing space in icepercent.

ID 6721 FLT203 E807 (2012) - Behavior "hailed out", notes "was sighted diving".

All combinations of Habitat = on ice, Behavior = rest - Behavior changed to "hailed out" (n=168).

Aerial_Master_2012_2014_v0_12_VH

Output table:

In Design View, Descriptions to Field Names:

Icepercent - within description, changed (1979-1991, 2008-2013) to (1979-1991, and starting again in 2008).

Icetype - within description, changed (1979-1991, 2008-2013) to (1979-1991, and starting again in 2008).

Aerial_Master_2012_2014_v0_11_VH

FLT221 E324, FLT225 E364, FLT240 E22, FLT246 E158, FLT262 E363, FLT270 E337, FLT202 E74, FLT2 E374, FLT13 E704, FLT245 E526 - SwimDir ". "

Edited by Amelia Brower

Edits to Aerial_Master_2012_2014_v0_10:

Made these changes:

X/Yofwhale -1, Lat/LongTemp changed to ArcLat/Long

to the following records:

ID9559 FLT207 E376
ID22474 FLT228 E503
ID26855 FLT234 E391
ID29513 FLT240 E31
ID29526 FLT240 E44
ID46598 FLT266 E227
ID46750 FLT266 E527
ID47040 FLT267 E322
ID47611 FLT267 E114
ID47643 FLT267 E159
ID48090 FLT268 E332
ID48672 FLT269 E382
ID48738 FLT269 E341
ID48783 FLT269 E423
ID49707 FLT270 E473
ID50704 FLT272 E486
ID50743 FLT272 E386
ID51568 FLT273 E450
ID57841 FLT11 E486
ID84150 FLT202 E294
ID85259 FLT204 E292
ID96952 FLT223 E338
ID99509 FLT227 E351
ID99585 FLT227 E353
ID108231 FLT240 E269
ID112621 FLT246 E260
ID113229 FLT246 E890
ID113712 FLT247 E131
ID114721 FLT247 E1130
ID118382 FLT252 E291
ID128526 FLT12 E1011
ID144407 FLT2 E197
ID151056 FLT10 E1020
ID151057 FLT10 E1021
ID155251 FLT15 E448
ID155515 FLT15 E1267
ID160736 FLT22 E227
ID161034 FLT22 E475
ID161093 FLT22 E534
ID168257 FLT31 E592
ID171362 FLT233 E174
ID176326 FLT238 E1091
ID176507 FLT238 E1192
ID182199 FLT246 E276
ID185265 FLT251 E515
ID187081 FLT253 E768
ID187873 FLT254 E472
ID193546 FLT206 E462
ID201247 FLT217 E1022
ID201927 FLT218 E384
ID205510 FLT223 E159
ID205546 FLT223 E195
ID205794 FLT224 E122
ID209052 FLT228 E328
ID210828 FLT231 E415


NMML Arctic Marine Mammal Research

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No. ↓	Modified	Modified By	Size	Comments
0.9	6/26/2015 3:01 PM	Amelia Brower	84.5 MB	Edits to 2014: ID 212294, FLT232 E1304 - PhotoTaken=1 ID 188535, FLT255 E321 - PhotoTaken=1
0.8	6/2/2015 2:15 PM	Amelia Brower	84.5 MB	Edits: 2014, FLT 31: E539, (ID 168204) - calfno -1, Calf_on_circle -1, notes "postscript: originally thought to be mom/calf due to lots body contact/rolling; Craig George determined they were yearlings via photos. Frame #0035 - 0060" E609 (ID 168274) - calfno -1, notes "postscript: Craig George determined they were yearlings via photos. Frame #0061 - 0075"
0.7	5/11/2015 4:09 PM	Amelia Brower	84.5 MB	Edits 4 of 4: 2014: FLT238 E1328 - Final_group 750, Low_estimate 750, High_estimate 800, Response yes, NoReacted 20, notes "marked on L side, 3500', F72-84, CA; rxn=flush; Final_group, Low & High_estimate, NoReacted determined via post-flight photo processing; likely spotted seals, NMML pinniped experts said spotted or harbor seals, this is far north of harbor seal range" FLT241 E646 - notes "frames 0001-7, standing over carcass E647". E647 - notes "post script - likely same carcass as seen on 9/23, event 411; F0001-0007; polar bear, E647, standing over carcass" FLT243 E315 - Final_group 48, Calfno 9

FLT251
E507 - PhotoTaken 1.
E664 - notes "fr 28-29;
postscript: photos never
found", PhotoTaken 0.

FLT254
E635 - PhotoTaken 1.

FLT255
E321 - notes ".",
PhotoTaken 0.

FLT23
E166 - notes "3 adults 1
calf, 2 adults and calf
noticed on circle; J.Taylor
frames 1-12; postscript
open mouth in photos,
likely feeding"
E361 - notes "J.Taylor
frames 125-141; postscript
open mouth in photos, li

0.6 5/11/2015 4:04 PM

Amelia Brower

84.5 MB

Edits 3 of 4:
2014:
FLT234
E109 - notes "bear was
running from carcass,
E104, when sighted,
slowed to a walk; carcass
looks to be half-buried."
E1034 - notes "fewer
animals (~20) seemed to
be at the surface by the
time we finished circling,
end frame 0123, Leah
Crowe; possible defecation
observed, fr106-8"

FLT 235
E149 - notes "sight cue
birds & dark spot, Frames
1-5, AW; brown bear E156
feeding on carcass"
E156 - Response yes,
NoReacted 1, notes
"rxn=look up; feeding on
carcass E149", PhotoTaken
1.

FLT238
E919 - Sightcue body.
E1281 - Final_group 697,
Low_estimate 697,
High_estimate 750,
NoReacted 150, notes
"rxn=flush; F48-63, CA;
Final_group, Low and
High_estimate, and
NoReacted determined via
post-flight photo
processing; likely spotted
seals, NMML pinniped
experts looked at photos
and said spotted seals or
harbor seals, but that this
is far north of harbor seal
range."

0.5 5/11/2015 4:00 PM

2014:
 FLT206
 E547 - notes "sighted and took photos of Norseman II, fr 15-17"
 E371 - notes "rxn=flush; fr11-14; J.Gatzke"
 E377 - notes ".",
 PhotoTaken 0.

FLT210
 E296 - notes "went back to sighting after end of transect line since circling was not done initially; wanted to confirm spp and/or calves since so far offshore; circling event not recorded in database, photos from circling, J.Gatzke, fr2-12"

FLT 213
 E613 - notes: "long trailing slick; birds on it; photo V.Beaver, fr1-10; post-script: carcass resighted on 6Aug2015, FLT219 E638"

FLT219
 E638 - Species unid marine mammal, notes: "in water near beach. Fr19-24, L.Barry; post-flight note: resight of carcass on 26July2015, FLT213 E613"

FLT227
 E397 - notes "frames 1-6; E405 is a repeat of this sighting and was a better location, that location was used for Level A"
 E405 - Repeat yes, saved 1

FLT232
 E1304 - notes "end frame 0120, Leah Crowe; photos were grossly underexposed, unusable",
 PhotoTaken 0.

0.4 5/11/2015 3:57 PM

Amelia Brower

84.5 MB

Edits 1 of 4:
 2012-2014:
 Skycon, removed trailing space:
 210996 211007 211018
 211029 211039 211050
 211061 211072 211083
 211103 211114 211125
 211132 211143 211154
 211165 211175

Icepercent, removed trailing space:
 "3 ": 21588 28404 28407
 54824 54827 60978 93740
 93744 93749 93825
 "4 ": 61188

"6 ": 54860
 "7 ": 9198 21435 51901
 52538 52545 54830 54902
 55182 55760 58831 58836
 58841 58842 58843 58851
 60224 60811 60813 63430
 63505 63507 63509 63516
 63522 63525 63595 63597
 63599 63601 63681 63683
 63686 64425 64426 65966
 65971 66047 66048 93760
 93777 93779
 "8 ": 24645 61274 61275
 61358 61361 61362 61365

2013:
 FLT 32
 E311 - end transect,
 FltType 4, enttag 1
 E315 - s on search, FltType
 4
 E322 - p on search, FltType
 4
 E325 - start trans, enttag
 1

0.3 2/12/2015 2:11 PM

Amelia Brower

84.4 MB

Appending 2014 data to
 2012-2013 Master
 database, Version History 3
 of 3:
 The way we got around
 this was that I created a
 blank database/table with
 all the same table
 structure (I copied the
 Design view of the Output
 table and pasted it into a
 new table's Design view
 and made sure TotalNo
 was set to Long Integer
 and saved it (as Output). I
 saved the database as
 Aerial_Master_2012_2014.
 I ran append queries to
 append the 2014 data and
 the 2012-2013 master
 data into the new
 table/database. I also
 copied the other tables
 from the 2012-2013
 Master database into the
 new 2012-2014 Master
 database and ran append
 queries to append the
 2014 FlightInfo and
 SummaryInfo tables. For
 the SummaryInfo to
 append, I had to rename
 the 2012-2013
 Masterdatabase
 SummaryInfo table field
 headers to match 2014's.
 I changed the following
 headers with hyphens and
 "&" to underscores:
 Bowhead_Cow-calf_Pairs
 Bowhead_Cow-
 calf_Pairs_on_transect
 Trans&CircMin
 Trans&CircKilo

0.2	2/12/2015 2:05 PM	Amelia Brower	84.4 MB	<p>Trans&ConMin Trans&ConKilo</p> <p>Appending 2014 data to 2012-2013 Master database, Version History 2 of 3: In 2014, when trying to append 2014 to the 2012-13 Master database, I got this message: "Microsoft Access set 1 field(s) to Null due to a type conversion failure..." This was due to the walrus TotalNo record of 35,000. In the Output table of the Master database, the Design View > Field Size for TotalNo is set to "Integer" instead of "Long Integer". Turns out the cutoff between the two is somewhere around 32,000, and since the master database is set to Integer, it couldn't handle 35,000, so changed it to null during the appending. So then, I tried to change the Field Size for TotalNo in the 2012-2013 Master database to Long Integer, but when trying to save it, got this error message: "Microsoft Access can't change the data type. There isn't enough disk space or memory."</p>
0.1	2/12/2015 2:04 PM	Amelia Brower	84.4 MB	<p>Appending 2014 data to 2012-2013 Master database, Version History 1 of 3: When attempting to open the 2012-2013 Master database, I received the error message that the library reference link to OFFOWC.DLL v1.1. This is related to the version of Access being used and happened because my Office</p> <p>has just been updated to 2013. My way of fixing this was to click Ok through the error messages when I opened Access. Database Tools > Visual Basic > Tools > References > unchecked the missing library (MISSING: Microsoft Office XP Web Components); I didn't check anything new because there didn't seem to be any updated Office or Web Components.</p>


NMML Arctic Marine Mammal Research

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0.15	3/17/2014 12:56 PM	Amelia Brower	56.8 MB	Edits Part II/II: ID413957 FLT251 E938, ID413964 FLT251 E945, ID413905 FLT251 E948, ID413907 FLT251 E950, ID413971 FLT251 E962, ID413974 FLT251 E965 - Notes: sea ice photos; PhotoTaken: 1. ID413961 FLT251 E942 - Notes: sea ice photos, frames 4-12; PhotoTaken: 1. ID435257 FLT29 E37 - Notes: frames 1-5; PhotoTaken: 1. ID426241 FLT15 E466 - Notes: frames 29-30; PhotoTaken: 1. ID426873 FLT15 E1104 - Notes: added frames 0005_V-0037_V. ID426875 FLT15 E1106 - Notes: added frames 0005_V-0037_V. ID416666 FLT1 E565 - Notes: sea state photo, frame 10; PhotoTaken: 1.
0.14	3/17/2014 12:54 PM	Amelia Brower	56.8 MB	Edits Part I/II: ID411960 FLT249 E56, ID412022 FLT249 E67 - Notes: sea ice photos; PhotoTaken: 1. ID412187 FLT249 E232 - Notes: sea ice photos, frames 25-49; PhotoTaken: 1. ID415969 FLT254 E359 - Notes: sea ice photos, frames 17-35; PhotoTaken: 1. ID416012 FLT254 E444 - Notes: sea ice photos, frames 47-48; PhotoTaken: 1. ID415718 FLT254 E622 - Notes: sea ice photos, frame 75; PhotoTaken: 1. ID416397 FLT254 E793 - Notes: sea ice photos, frames 107-114; PhotoTaken: 1. ID381273 FLT203 E545 - Notes: frames 24-28; PhotoTaken: 1. ID381368 FLT203 E575 - PhotoTaken: 0. ID396518 FLT228 E162 -

PhotoTaken: 0.

0.13	2/20/2014 1:43 PM	Amelia Brower	56.6 MB	ID 399257, Event 369, Flt_No 231 - chgd "S on transect" to "s on transect". ID 386162, Event 653, Flt_No 211 - added "white adult" to notes.
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0.6	3/13/2013 3:51 PM	Cynthia Christman	32 MB	ID328475/F243/E566/yr 2012 - chgd notes from "lunge feeding" to "adult lunge feeding"
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New database
"Aerial_Master_2012.mdb" was
created.

2012 edit notes from
Aerial_Master Version History:
Output: ID341766/F265/E652 -
chgd enttag to 5
SummaryInfo: Subtracted refuel
time from total and deadhead
minutes for 2012 F265.

Output=83,068 (2012)
FlightInfo/SummaryInfo=132
(2012)


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Output=83,068 (2012)
FlightInfo/SummaryInfo=132
(2012)