

Aerial_Master_2018_v5 Version History

Edits made by AAB

7 June 2019

ID1894 F211 E380 7/21/2018 – Behavior dead

ID61967 F249 E499 – sop “I”

ID15410 F202 E256 – Species polar bear, Family 3, notes "M.Foster frames 1-14; polar bear with fresh bearded seal carcass found in post-flight photo review, frame 12, kill site is old"

ID15408 F202 E257 – s on transect, Species bearded seal, Sightcue body, Habitat broken floes, Behavior dead, Final_group 1, Response no, NoReacted 0, Observer Amy Willoughby, PrimObs 1, Block 13, Depth_m -55, notes "M.Foster frames 1-14; polar bear with fresh bearded seal carcass found in post-flight photo review, frames 10, 12, kill site is old", FltType 2, Family 2, enttag 3, DIST_FROM_SHORE 59.1957959516958, PhotoTaken 1

ID15409 F202 E258 – divert to circling, added environmentals, FltType 5, Transect_id 5, enttag 1, filled in crew, PhotoTaken 0

ID18815 F207 E280 – added to notes "post-flight photo review: mouth open"

ID22746 F213 E1024 – notes - edited frame #s: 27 only (removed 28)

ID4083 F214 E1130 – notes – edited frame #s to start at 119

ID28466 F222 E386 – notes – edited frame #s: 127-128, 131-138

ID14473 F21 E402 – notes – edited frame #s: 1-11

ID32709 F23 E475 – notes – edited frame #s: 42-52

ID33687 F25 E153 – notes – edited frame #s: 1-14

ID33880 F25 E327 – notes – edited frame #s: 15-27

ID36236 F28 E311 – notes – edited frame #s: 1-25

ID39826 F33 E989 - notes "photos taken during FGF effort, E1172"

ID49900 F232 E415 – notes – edited frame #s: C.Accardo, fr 19-27 & 32-37, zoomed out photos all 3 grps 28-31, USGS camp fr 38-45

ID49907 F232 E422 – notes – edited frame #s: C.Accardo, fr 1-14 & 17, zoomed out photos all 3 grps fr 28-31

ID51408 F234 E421 – notes – edited frame #s: 17-33

ID51410 F234 E423 – notes – edited frame #s: 11, 15-16

ID51411 F234 E424 – notes – edited frame #s: 9-16

ID54782 F239 E282 – notes – edited frame #s: 11-22

ID59397 F245 E105 – notes – edited frame #s: 1-11, 14-21

ID59398 F245 E106 – notes – edited frame #s: 4-5, 10-13, 21-27

ID62887 F250 E91 – notes, added "Event triggered CAPs, chgd to saved=0"

Aerial_Master_2018_v4 Version History

Edits made by AAB

5 February 2019

ID 28320 F222, E254 – Habitat barrier island, Behavior hauled out

Aerial_Master_2018_v3 Version History

Edits made by AAB

11 December 2018

A diversion out to 5 km lateral distance from the walrus haulout was in the data as coastal transect, and we decided to change it to search since at 5 km, the coast isn't really being surveyed (i.e., the haulout may be visible, but smaller things like carcasses will not be visible) and it doesn't make sense to call it a coastal transect. Mike reran the SummaryInfo table to reflect the km and min on transect, search, and total km and min. Replaced the SummaryInfo table.

Added notes for course diversions when pilots had inaccurate gps waypoint, when start of transect was a little off, or when transect was diverted due to whaling:

ID 15341 F202 E196 – notes “transect waypoints entered into pilot gps incorrectly; course adjustment corrected at E271”

ID 15423 F202 E271 – notes “transect waypoints entered into pilot gps incorrectly at start of this transect (E196); course adjusted here.”

ID 15254 F202 E118 – notes “overshot start of transect by ~4 km”

ID 21718 F211 E222 – notes “pilots had inaccurate heading; course adjustment and back on transect line at E251”

ID 33457 F24 E346 – notes “deviating around Cross Island due to whaling”

ID 16804 F204 E227 – notes “transect waypoint was off; course adjustment until E243 when on transect line”

Carcass updates based on R.Stimmelmayer image review and genetics results from sampling of carcasses documented by ASAMM in 2018 (Resightings of the **SAME** whale are color coded. E.g., all **blue** headings are the same carcass.):

ID23326, E450, F213, 7/29/2018

Notes = Pagan fr 1-13; sp. chgd post flt; R.Stimmelmayer 11/29/18: orca predation=L flpr tissue defect w/circular bites (img2) & bite to insertion leading edge; R flpr sm. circular tis. defect; throat missing; mid ped circular bite mark (img12) Sp. likely Er

ID25057, E943, F214, 7/30/2018

Notes = Barry fr17-73, resighted 8/8/18 F218 E330 & 8/19/18 F222 E359; unphotographed but FFOV target on 7/31/18 F214 E102; R.Stimmelmayer 11/29/18: orca predation=rostrum, jaw, & head partially missing w/skin peeled; bite marks to leading edge R flpr + fluke.

ID24073, E1121, F214, 7/30/2018

Species = gray whale

Notes = Barry, fr96-118; post-flt chg=Er&LevelA, R.Stimmelmayer8/3/18Site vis chg=unid?Rorqual, genetics=Er12/4/18; position likely unphoto'd/resited 8/8/18F218E24; R.Stimmelmayer11/29/18: orca predation=head/jawMissing;TibiaRadiusRemain;TisDefectAnusArea;NoFlukes

ID24083, E1130, F214, 7/30/2018

Notes = L.Barry, fr 118-131; R.Stimmelmayer 11/29/2018: injuries consistent with killer whale predation = head and rostrum missing; chest evisceration; interesting cut in the back

ID25124, E102, F215, 7/31/2018

Notes = FFOV target, whale was originally sighted/photographed on F214 7/30/18 E943 and again on 8/8/2018 F218 E330 & 8/19/2018 F222 E359; see notes field for add'l sightings for details on killer whale predation with decomposition progression

ID26588, E24, F218, 8/8/2018

Habitat = beach

Notes = Unphotographed; Likely resight of 7/30/2018 Flt 214 E1130 based on plotted positions

ID26688, E330, F218, 8/8/2018

Notes = Barry1-28; Floater7/30/18F214E943,7/31/18F215E102 unphoto'd FFOV targ, 8/19/18F222E359. R.Stimmelmayer11/29/18Orca pred=Peeled; R bones exposd; partl head/throat/tongue gone;Ped damage; FlukePartllyGone;BlubrBruising(18)LatAnal;Bite; DefectBlowHole(27)

ID27038, E121, F219, 8/9/2018

Notes = Pagan fr 1-13; R.Stimmelmayer 11/29/18: injuries consistent w/killer whale predation=bruising chest neck region; L flipper bite marks; pos tissue defect behind L flipper; belly eviscerated - see skin flap left side; beautiful bite marks on dorsum

ID28379, E306, F222, 8/19/2018

Notes = Accardo70-83. R.Stimmelmayer11/29/18 injuries consistent w/killer whale predation=lg tissue defect R jaw, head, chest region w/ribs exposed; jaw bone exposed; 2 half-moon shaped bite marks dorsal mid body; R fluke trailing edge tissue defects right

ID28436, E359, F222, 8/19/2018

Notes = Accardo 103-117. Resight 7/30/18F214E943, 7/31/18F215E102 unphoto'd FFOV target, 8/8/18 F218 E330. R.Stimmelmayer11/29/18 orca predation=partial carc; head mostly gone; Rostrum Bone Exposed; R Flipr Phalanges Exposed; tis defect L flipr w/rake marks

ID28477, E396, F222, 8/19/2018

Notes = C.Accardo fr139-150; Resighted 9/2/18 F228 E267; R.Stimmelmayer 11/29/18 img review + site visit orca predation=body bruising; broken jaw; gut evisceration; tongue/throat missing; fluke bite marks, R flipr bites; NSB sent LevelA not ASAMM

ID47225, E267, F228, 9/2/2018

Notes = E287BetterPosition, copd E287 ArcLat/Long&Lat/LongTemp Beaver 57-65 1st seen 8/19/18F222E396. R.Stimmelmayer 11/29/18 img+site vis orca predation=lg tis defects ab/chest w/evisceration; brkn jaw, imgs 1 month later carcass has scavenging

ID47240, E280, F228, 9/2/2018

Species = bowhead whale

Notes = Beaver fr 66-74 Resighted 9/22/18 F237E106; R.Stimmelmayer 11/29/18 img+site vis; orca kill; clear slash/bites head reg; jaw/head is missing; evisceration; fluke only fray of thin tissue. Genetic=Bm; NSB sent LevelA not ASAMM

ID47420, E391, F228, 9/2/2018

Species = unid cetacean

Notes = Beaver 75-89 (calf?) email w/R.Stimmelmayer 11/8/18 chgd to unid cet; Stimmelmayer 11/29/18 orca predation=R flip bites leading edge; L fluke tips, leading, +trailing edge bites; 2 half-moon tis defects throat+insertion R fluke; img 88 bites to chest @R bod wall

ID47711, E672, F228, 9/2/2018

Notes = VB, frames 92-104; R.Stimmelmayer 11/29/18 injuries consistent w/killer whale predation=eviscerated; rostrum/throat/jaw partially missing; L flipper missing; (what are the linear cuts see img 0099 at the head); extensive predation

ID50511, E440, F233, 9/16/2018

Notes = C.Accardo, fr 1-16, likely throat grooves, size of minke, small humpback, or fin. R.Stimmelmayer 11/29/18 injuries consistent w/killer whale predation=head and partial chest missing; flippers missing; flukes tissue defect; extensive tissue loss

ID53353, E99, F237, 9/22/2018

Notes = C.Accardo 1-10. Originally sighted 8/19/18 F222 E396, resighted on 9/2/18 F228 E267; Stimmelmayer 11/29/18 img review+site visit; orca predation=jaw exposed and it looks like tissue damage to head, throat and chest massive tissue defect

ID53137, E106, F237, 9/22/2018

Species = bowhead whale

Notes = C.Accardo, fr 11-21. genetic results = Bm. Resight of 9/2/18 F228 E280; R.Stimmelmayer 11/29/18 injuries consistent w/killer whale predation= see notes field 9/2/18 F228 E280

ID56137, E602, F240, 9/26/2018

Notes = N. Brandt Turner 37-51; R.Stimmelmayer 11/29/18 orca predation=extensive soft tissue damage, missing tongue + soft tissue lower jaw, blubber stripping abdomen/chest; ventral evisceration/muscle damage; tissue defects fluke n both flippers

ID57931, E240, F243, 9/30/2018

Notes = K.Pagan, fr 1-47; R.Stimmelmayer 11/29/18 injuries consistent w/killer whale predation= chin tissue defect; right throat bite marks/tissue defects; partial rostrum missing (img 0029); img 0024 suggests bite marks to the tip of L and R flukes

Compacted & Repaired.

Aerial_Master_2018_v2 Version History

Edits made by AAB

6 December 2018

We realized that on Flight 253, a small diversion near the walrus haulout at 5 nm from shore should have been recorded as search instead of as the coastal transect since at 5 nm, the coast isn't really being surveyed (i.e., although the walrus haulout can still be seen, smaller things like carcasses cannot). We made the following changes:

ID 64088 F2523 E319 - resume, added environmentals, FltType 2, Transect_id C, enttag 1, filled in crew, PhotoTaken 0

ID 64089 F253 E320 - end transect, added environmentals, FltType 4, enttag 1, filled in crew, PhotoTaken 0

ID 64090 F253 E321 - p on search, FltType 4, Transect_id "."

ID 64097 F253 E328 - p on search, FltType 4, Transect_id "."

ID 64101 F253 E331 - p on search, FltType 4, Transect_id "."

ID 64093 F253 E324 - p on search, FltType 4, Transect_id ".", enttag 2

ID 64100 F253 E330 - s on search, FltType 4, Transect_id "."

ID 64103 F253 E333 - s on search, FltType 4, Transect_id "."

ID 64104 F253 E334 - s on search, FltType 4, Transect_id "."

ID 64107 F253 E337 - FltType 6, Transect_id "."

ID 64117 F253 E346 - FltType 4, Transect_id "."

ID 64123 F253 E351 - p on search, FltType 4, Transect_id "."

ID 64124 F253 E352 - p on search, FltType 4, Transect_id "."

ID 64130 F253 E358 - start transect, enttag 1

Aerial_Master_2018_v1 Version History

Edits made by AAB

14 November 2018

Changed "All_Flights" table name to "Output"

Renamed Size field from "Size_" to "Size"

Added fields:

ID

Lat

Long

Icepercent (this field was already added in the data sent from Mike: Aerial_Master_2018_v0.)

UTMZ6X

UTMZ6Y

In Design View of the Output table, copy/pasted the Description entries for each field from the 2015-2017 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.

F1 E31654 – changed to E140 (note from Mike as to why it got changed to 31654: I think that happens when a particular keyboard shortcut combo is used and some cell in the database is selected.)

Flt203 E830 – notes: corrected "analysis" misspelling

Aerial_Master_2018_v0 Version History

Edits made by AAB
14 November 2018

This is the Aerial_Master_2018 mdb sent from Mike with the final resummarization and Depth and Distance from Shore fields populated.