

After the EMWG call on April 27th 2015

AK EM Marching orders for PSMFC

Projects in order of priority

1. IPHC halibut longline survey
2. Northern Endurance Setline
3. Volunteer longline vessels
4. Northern Endurance Pot – not working on this until further notice

Data to be collected for all projects

For each drive, capture 1-3:

1. Metadata
 - a. ADFG permit #
 - b. Date drive retrieved
 - c. Field assessment notes (Saltwater/Archipelago notes when drive was picked up)
 - d. Logbook: Y/N
 - e. Vessel Attributes: vessel configuration; fishing gear; deck gear; camera location; EM configuration; and fishing characteristics – **Howard will help categorize each vessel into the appropriate attribute strata**
2. Initial review to answer the following:
 - a. Is sensor data complete? Y/N
 - b. Is imagery/video complete? Y/N
 - c. Volunteer only: Was there dockside monitoring? Y/N
3. Trip and Haul data
 - a. Trip
 - i. Start and end datetime and locations
 - ii. Start and end ports
 - iii. Time gaps – characterize type of time gap
 - iv. Target fishery
 - v. Streamer line used (Y/N)
 - b. Haul
 - i. Start and end datetime and locations
 - ii. Gear type
 - iii. Time gaps, GPS gaps, sensor gaps, video gaps (Y/N)
 - iv. No video (Y/N) and why if No

Among video reviewer quality:

- Follow standard reviewer quality control protocol (blind reads every 3 months) to ensure consistent review.

Data to be collected for each project:

1. IPHC halibut longline survey

Note: Species composition comparison between EM reviewer and At-Sea sampler will be used to evaluate the efficacy of spp. ID and evaluate the sampling rates

Skate level

- a. Identification of catch to lowest taxonomic level possible
- b. Counts of all catch
- c. Disposition of catch (retained or discarded)
- d. Identify skate (*a large weight separate skates*)
- e. Identify tangles/snarls

Note: Will not record halibut release method or condition as it may not be comparable to “normal” fishing operations.

2. Northern Endurance Setline

Note: Species composition comparison between EM reviewer and At-Sea sampler will be used to evaluate the efficacy of spp. ID and evaluate the sampling rates

Only sets that include at-sea sampler data will be reviewed.

Hook level – no hook counts but order of fish on line is important

- a. Identification of catch to lowest taxonomic level possible
- b. Counts of all catch
- c. Disposition of catch (retained or discarded)
- d. Discarded halibut release method and condition

3. Volunteer vessels

- a. Paper/dockside data (effort logs, IPHC logs and dockside monitor data)
 - i. Key punch all data and maintain data tables
- b. Video data
 - i. Review all trips that pass (full sensor and video, full rockfish retention, dockside monitoring) until IPHC video comes in. Trips that don't pass should be put on the backburner.
 - ii. For all data drives received:
- c. For those trips that have:
 - full video
 - full rockfish retention and
 - dockside monitoring - complete video review of trip
 - i. Catch (including inverts, birds, and mammals)
 1. species IDs to lowest level
 2. counts
 3. disposition: Retained – General, Retained – Damaged, Discarded – General, Discarded – Damaged, Drop off below water, Drop off above water, Utilized onboard.
 4. For discarded Halibut Catch
 - a. Injury key/Release condition
 - b. Release method
 - ii. Time to review

- iii. Confidence in data captures. EM reviewers will provide a data confidence rating (high, medium, low).
- iv. Image quality: EM reviewers will provide an image quality assessment (high, medium, low). – this is new for 2015
 - 1. For low image quality, they will assign a reason for the low image quality. Note that AMR will provide field assessment notes that might provide more information about why there was low quality.
- v. Fill out vessels score card
 - 1. Compliance with extended presentation of seabirds
 - 2. Howard will provide others
- d. For all other trips
 - i. Based on Howard’s vessel attributes, subsample trips for the following:
 - ii. Catch (including inverts, birds, and mammals)
 - 1. species IDs to lowest level
 - 2. counts
 - 3. disposition: Retained – General, Retained – Damaged, Discarded – General, Discarded – Damaged, Drop off below water, Drop off above water.
 - 4. For discarded Halibut Catch
 - a. Injury key/Release condition
 - b. Release method
 - iii. Time to review
 - iv. Confidence in species ID. EM reviewers will provide a data confidence rating (high, medium, low).
 - v. Image quality: EM reviewers will provide an image quality assessment (high, medium, low). – this is new for 2015
 - 1. For low image quality, they will assign a reason for the low image quality. Note that AMR will provide field assessment notes that might provide more information about why there was low quality.
 - vi. Fill out vessels score card
 - 1. Compliance with extended presentation of seabirds
 - 2. Howard will provide others

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From the subcommittee meeting notes:

Rules of Review:

- For all trips: Do review level 1-3 (metadata, initial review, trip data).
- If there is complete video for whole trip & there was full retention of rockfish & there was dockside monitoring: Conduct full review through level 4.
 - Note: Might need to sub-sample and randomly review a sub-sample of *trips* if we end up with more dockside trips than the budget can handle.
- For the rest of the trips (complete video or not): identify the trips based on operational characteristics, and randomly select *hauls* to full level review level 4.
 - Howard will come up with the list of operation attributes that will be used. For example:
 - vessel configuration (side haul, stern haul)
 - day vs night

- The number of hauls that will be reviewed will be based on the budget.

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4. Northern Endurance Pot

Note: Species composition comparison between EM reviewer and At-Sea sampler will be used to evaluate the efficacy of spp. ID and evaluate the sampling rates
Only pots that include at-sea sampler data will be reviewed.

Pot level

- a. Identification of catch to lowest taxonomic level possible
- b. Counts of all catch
- c. Disposition of catch (retained or discarded)
- d. Discarded halibut release method and condition

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Other questions answered:

- Effort log completion does not affect whether a trip qualifies for full catch review or not.
- When a partial fish is caught and the reviewer can tell what species it is, fish head, lips species code will be used except for when it is a halibut. Then it will be recorded as species halibut with a Discarded-Damaged disposition.

Lingering issue:

- Use of continuous streamer line camera recording prevents computer from going into sleep mode when engine is shut off. This requires the skipper to remember to manually turn the computer back on when the engine is started back up.
 - Work group feels strongly about the use of a continuous streamer line camera. Howard and his team will be working on a solution for making the system sleep when the engine is shut down even if a camera is actively recording. Workgroup is fine with the seabird camera being off when the engine is off if that solves the problem