



NOAA Fisheries

Main Hawaiian Islands Insular False Killer Whale Recovery Planning Workshop

October 25-28, 2016
OHANA Waikiki East Hotel
Lobby Conference Room
150 Ka'iulani Ave., Honolulu, HI 96815
9:00 am – 5:30 pm

Tuesday, October 25, 2016

Discussions to focus on recovery actions related to non-longline (commercial and recreational) fisheries interactions, and actions to fill in research data gaps

8:45 am	Sign-in and coffee	
9:00 am	Welcome Review workshop agenda and protocols Participant introductions	<i>Garrett/Graham/Facilitators Facilitators Group</i>
9:20 am	Insular false killer whale recovery planning overview <ul style="list-style-type: none">Purpose of workshop, recovery planning process, etc.	<i>Graham</i>
<i>Presentations by Experts (~25 min each; 15-20 min presentation; 5-10 mins for Q&A)</i>		
9:30 am	Population status and science behind range revision <ul style="list-style-type: none">Overview of IFKW population status, including key data and analysis gaps, and the science behind the recent revision to the range	<i>Oleson</i>
9:55 am	Longline commercial fisheries <ul style="list-style-type: none">Overview of gear, where they fish/what for, why/how interactions are occurring, observer coverage, TRT background/measures, etc.	<i>Golden</i>
10:20 am	Non-longline commercial & recreational fisheries <ul style="list-style-type: none">Overview of fishing types and gear, where they fish/what for, State's license and trip reporting requirements, data uses and limitations	<i>Boggs</i>
10:45 am	BREAK	
11:00 am	FEAT tool/state fisheries analysis <ul style="list-style-type: none">How state fisheries have changed, how effort has increased/decreased, how catch rate has increased/decreased, etc.	<i>Dieter</i>
11:25 am	Evidence of fisheries interactions <ul style="list-style-type: none">Dorsal & mouthline injuries as indicator of fisheries interactions, evidence for sex bias/variation among populations & social groups	<i>Baird</i>
11:50 am	Evidence of whale/fisheries hot spots <ul style="list-style-type: none">Preliminary analysis of which fisheries/areas are possibly a hazard based on FEAT effort data overlaid with whale high-use areas	<i>Baird</i>
12:15 pm	LUNCH BREAK	



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Presentations by Experts (continued) (~25 min each; 15-20 min presentation; 5-10 mins for Q&A)

1:30 pm	Exploratory study of interactions between cetaceans and small-boat fishing operations <ul style="list-style-type: none">Results of study to improve understanding of how, when, where, and why interactions between fisheries and FKWs tend to occur	<i>Hospital</i>
1:55 pm	Economic and social characteristics of the Hawaii nearshore fisheries <ul style="list-style-type: none">Estimating the economic contribution of recreational fisheries (boat, charter, shore), cost-earnings work with the HI charter fleet, and cost-earnings data for HI small boat fisheries	<i>Hospital</i>
2:20 pm	State section 6 grant update <ul style="list-style-type: none">Status of cooperative conservation grant and long-term management of Species	<i>Herman</i>
2:45 pm	BREAK	
3:00 pm	Review threats characterization table, focusing on fisheries interactions <ul style="list-style-type: none">Description and reasoning for characterization of threat levels; get feedback on levels (i.e., remain as is/be lower/be higher?)	<i>Graham</i>
3:45 pm	Detailed brainstorm of recovery actions to reduce threats from non-longline fisheries interactions, and actions to fill in research data gaps	<i>Facilitators</i>
5:00 pm	Public comments	<i>Public</i>
5:25 pm	Preview of Day 2: Continue brainstorming on recovery actions related to non-longline (commercial and recreational) fisheries interactions, brainstorm priority of actions, and first pass at brainstorming recovery criteria	<i>Facilitators</i>
5:30 pm	ADJOURN WORKSHOP FOR THE DAY	
6:00 pm	Optional pau hana: Splash Bar & Bento Sheraton Princess Ka'iulani Hotel 150 Ka'ilulani Ave.	



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Wednesday, October 26, 2016

Continue discussions focused on recovery actions related to non-longline (commercial and recreational) fisheries interactions, and actions to fill in research data gaps

8:45 am	Sign-in and coffee	
9:00 am	Welcome Brief review of previous day's discussions	<i>Facilitators</i> <i>Facilitators</i>
9:10 am	Continue – Brainstorming recovery actions to reduce threats from non-longline fisheries interactions, and actions to fill in research data gaps	<i>Facilitators</i>
10:45 am	BREAK	
11:00 am	Continue – Brainstorming recovery actions	
12:30 pm	LUNCH BREAK	
1:45 pm	Brainstorm priority of recovery actions related to non-longline fisheries interactions <ul style="list-style-type: none">Potential recovery actions will be on flip chart and participants will individually express priorities	<i>Facilitators</i>
3:00 pm	BREAK	
3:15 pm	Brainstorm recovery criteria <ul style="list-style-type: none">Preliminary discussion regarding at what point would the threats discussed today be sufficiently controlled that we could downlist/delist?	<i>Facilitators</i>
5:00 pm	Public comments	<i>Public</i>
5:25 pm	Overview of recovery planning next steps & preview of next day	<i>Facilitators</i>
5:30 pm	ADJOURN WORKSHOP FOR THE DAY	



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Thursday, October 27, 2016

Discussions to focus on recovery actions related to nutrition: prey size/biomass, change in prey distribution, and competition with fisheries

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| 8:45 am | Sign-in and coffee | |
| 9:00 am | Welcome
Review workshop agenda and protocols
Participant introductions | <i>Garrett/Graham/Facilitators
Facilitators
Group</i> |
| 9:15 am | Insular false killer whale recovery planning overview <ul style="list-style-type: none">Purpose of workshop, what we want to get from this workshop, etc. | <i>Graham</i> |
| <i>Presentations by Experts (~25 min each; 15-20 min presentation; 5-10 mins for Q&A)</i> | | |
| 9:25 am | Presentation on nutritional needs <ul style="list-style-type: none">Prey species, daily caloric needs, and problems related to reduced caloric intake because harder to find food or food is smaller | <i>Hanson</i> |
| 9:50 am | Presentation on climate change effects to prey <ul style="list-style-type: none">Expected effects of climate change on prey size, biomass, and distribution | <i>Woodworth-Jefcoats</i> |
| 10:15 am | Presentation on competition with fisheries <ul style="list-style-type: none">Quantities of fish taken by commercial/recreational longline & non-longline fisheries; how CPUE has changed over time; what this means for species | <i>Boggs</i> |
| 10:45 am | BREAK | |
| 11:00am | Review threats characterization table, focusing on nutrition: prey size/biomass, change in prey distribution, and competition with fisheries <ul style="list-style-type: none">Description and reasoning for characterization of threat levels; get feedback on levels (i.e., remain as is/be lower/be higher?) | <i>Graham</i> |
| 11:45 am | LUNCH BREAK | |
| 1:00 pm | Detailed brainstorm of recovery actions to reduce threats from reduced prey size/biomass, change in prey distribution, and competition with fisheries | <i>Facilitators</i> |
| 3:00 pm | BREAK | |
| 3:15 pm | Brainstorm priority of recovery actions related to nutrition: prey size/biomass, change in prey distribution, competition with fisheries <ul style="list-style-type: none">Potential recovery actions will be on flip chart and participants will individually express priorities | <i>Facilitators</i> |



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4: 15 pm	Brainstorm recovery criteria <ul style="list-style-type: none">• Preliminary discussion regarding at what point would the threats discussed today be sufficiently controlled that we could downlist/delist?	<i>Facilitators</i>
5: 00 pm	Public comments	<i>Public</i>
5: 25 pm	Overview of recovery planning next steps & preview of next day	<i>Facilitators</i>
5: 30 pm	ADJOURN WORKSHOP FOR THE DAY	



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Friday, October 28, 2016

Discussions to focus on recovery actions related to noise and contaminants

8:45 am	Sign-in and coffee	
9:00 am	Welcome Review workshop agenda and protocols Participant introductions	Garrett/Graham/Facilitators Facilitators Group
9:15 am	Insular false killer whale recovery planning overview <ul style="list-style-type: none">Purpose of workshop, what we want to get from this workshop, etc.	Graham
<i>Presentations by Experts (~25 min each; 15-20 min presentation; 5-10 mins for Q&A)</i>		
9:25 am	Presentation on acoustics <ul style="list-style-type: none">Presentation on hearing, impacts of anthropogenic sound, etc.	Pacini
9:50 am	Presentation on section 7 consultations & noise <ul style="list-style-type: none">Analysis of impacts of noise as it relates to section 7 consultations, including 'Reasonable and Prudent Measures (RPMs)', effectiveness of RPMs, etc.	Moribe
10:15 am	Presentation on contaminants <ul style="list-style-type: none">Broad-scale perspective on accumulation of environmental contaminants, how it is stored in blubber of top predators, effects to individuals and offspring, scope and scale of contaminants in IFKWs vs. other cetaceans, etc.	Ylitalo
10:45 am	BREAK	
11:00 am	Presentation on disease <ul style="list-style-type: none">Finer-scale perspective of contaminants in IFKWs, potential increase in disease vectors (i.e., due to climate change, oil spills, parasitism)	Jensen
11:25 am	Presentation on strandings <ul style="list-style-type: none">Analysis of recent IFKW strandings	West
11:45 am	Review threats characterization table, focusing on noise and contaminants <ul style="list-style-type: none">Description and reasoning for characterization of threat levels; get feedback on levels (i.e., remain as is/be lower/be higher?)	Graham
12:30 pm	LUNCH BREAK	
1:30 pm	Detailed brainstorm of recovery actions to reduce threats from noise and contaminants	Facilitators
3:00 pm	BREAK	



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3:15 pm	Brainstorm priority of recovery actions related to noise and contaminants <ul style="list-style-type: none">Potential recovery actions will be on flip chart and participants will individually express priorities	<i>Facilitators</i>
4:15 pm	Brainstorm recovery criteria <ul style="list-style-type: none">Preliminary discussion regarding at what point would the threats discussed today be sufficiently controlled that we could downlist/delist?	<i>Facilitators</i>
5:00 pm	Public comments	<i>Public</i>
5:25 pm	Overview of recovery planning next steps	<i>Facilitators</i>
5:30 pm	ADJOURN WORKSHOP	