

Patch Dynamics Workshop

Anchorage, AK

A G E N D A

Friday January 22, 2010

Captain Cook Hotel

Central & Southern Bering Sea

1. Opening Remarks, Introductions (8:30 AM)

2. Approval of Agenda

3. Fish / Oceanography (8:45)

4. Seabirds & Mammals at Sea (9:45)

5. Break (10:00)

6. Fur Seals (10:15)

7. Seabirds at colony (10:45)

- telemetry
- productivity & diet
- stress

8. Lunch (12:00)

9. Synthesis – supporting evidence? (1:00)

- The physical environment determines where prey species occur.
- There is a high degree of spatial and temporal overlap between animals and their prey.
- Predation rates are limited by prey foraging time and refuge occupancy rates rather than by predator satiation.
- Growth and recruitment of predators is limited by differences in lipid and energy content of prey.
- Competition between predators is affecting the dynamics of the competitor species.

10. Break (2:30)

11. Breakout discussions (2:45)

12. Next steps / coordination / timelines (3:30)

13. Adjournment (4:00)

Suggested Presentation Structure

1. Goals/Objectives
2. 2009 – What was collected?
3. 2009 – Results Highlights
4. Current status of analyses
(dates when 2008 & 2009 data analysis will be ready)
5. Data needs from others
(format, resolution)
6. proposed visualization and analytic techniques that will be used

Saturday January 23, 2010
NPRB Office, 1007 W 3rd Ave, Suite 100

Northern Bering Sea

1. Opening Remarks, Introductions (8:30 AM)

2. Approval of Agenda

3. Benthics / Oceanography (8:45)

4. Walrus (9:15)

5. Break (10:00)

6. Synthesis – supporting evidence? (10:15)

- The physical environment determines where prey species occur.
- There is a high degree of spatial and temporal overlap between animals and their prey.
- Predation rates are limited by prey foraging time and refuge occupancy rates rather than by predator satiation.
- Growth and recruitment of predators is limited by differences in lipid and energy content of prey.
- Competition between predators is affecting the dynamics of the competitor species.

7. Next steps / coordination / timelines (11:30)

8. Adjournment (12:00)

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