

Cook Inlet Physical Oceanography Workshop

21-22 February 2005

Islands and Ocean Visitor Center, Homer, Alaska

Monday, 21 February 2004 – Islands and Oceans Visitor Center

7:30 *Continental Breakfast (provided)*

8:20 Welcome and Introduction; Purpose of Workshop

Scott Pegau (KBRR), Molly McCammon (AOOS), Sue Saupe (Cook Inlet RCAC)

Ocean Observing System and Modeling

8:40 Prince William Sound Ocean Observing System

Dr. Carl Schoch (Oil Spill Recovery Institute)

9:00 Alaska Ocean Observing System: Nested ROMS Circulation

Dr. Yi Chao (JPL)

Cook Inlet Observations

9:20 Central Cook Inlet Water Column Hydrography

Dr. Steve Okkonen (UAF School of Fisheries and Ocean Sciences)

9:40 Lower Cook Inlet Water Column Hydrography

Dr. Scott Pegau (Kachemak Bay Research Reserve)

10:00 Cook Inlet Current Measurements by NOAA CO-OPS

Jennifer Ewald, Peter Stone, Laura Rear

(NOAA Center for Operational Oceanographic Products and Services)

10:20-10:40 *Coffee Break (provided)*

Cook Inlet Observations and Modeling

10:40 Lower Cook Inlet Surface Drifter Tracking

Carol Ladd (NOAA-PMEL)

11:00 Cook Inlet Surface Current Radar Deployments

Dr. Dave Musgrave/Hank Statscewich (UAF)

11:20 Cook Inlet CODAR Deployments by NOAA CO-OPS

Karen Grissom (NOAA Center for Operational Oceanographic Products and Services)

11:40 Satellite Drifters/ 3-Dimensional Cook Inlet Model

Dr. Mark Johnson (UAF Institute of Marine Science)

12:00-1:00 *Lunch (provided)*

Existing Cook Inlet Modeling and Products That Use Oceanographic Data

1:00 Northern Gulf of Alaska Circulation Model

Kate Hedstrom (UAF Sea-Air-Land Modeling & Observation Network)

1:20 National Weather Service Forecasts and Products

Gary Hufford (NOAA National Weather Service)

1:40 NOAA Coast Survey Activities in Cook Inlet

Mark Boland (NOAA Marine & Aviation Operations)

2:00 Cook Inlet Tidal Datums

John Oswald (John Oswald & Assoc, LLC)

2:20 Oil Spill Scientific Support Coordinator Perspective

Dr. John Whitney (NOAA HAZMAT)

2:40 Cook Inlet GNOME Modeling

Glen Watabayashi (NOAA HAZMAT)

3:00-3:20 *Coffee Break (provided)*

- 3:20 Cook Inlet Atmospheric Model
Dr. Peter Olsson (Alaska State Climate Center)
- 3:40 Satellite Tools for Cook Inlet
Dr. Scott Pegau (Kachemak Bay Research Reserve)
- 4:00 Oceanographic Data used for Dilution Modeling
Brian Pippin, P.E., Parametrix
- 4:20 Discussion of Presentations – Questions and Answer Period for Presenters
Two Crow (aka Jim Schumacher, Two Crow Environmental, Inc)
- 5:00 *Ajourn for the Day – Dinner on your own (rides can be arranged for transport to Lands End Resort)*
- 5:30-7:00 Icebreaker at Land’s End Resort (No-host bar) – afterwards dinner on your own**

Tuesday, 22 February 2004 – Islands and Oceans Visitor Center

- 7:45 *Continental Breakfast (provided)*
- 8:20 Welcome Back and Summary of AOOS Goals for Workshop
Dr. Mark Johnson (UAF Institute of Marine Science)

Cook Inlet User Needs

- 8:40 Cook Inlet User Needs Survey Results
Terry Thompson (KBRR)
- 9:10 Ocean Data Needs for Coastal Engineering
Dr. Orson Smith (UAA)
- 9:30 Summary of Previous Days Presentations and Instructions for Break-out Groups
Two Crow (aka Jim Schumacher, TCEI)
- 10:00-10:20 *Coffee Break (provided)*
- 10:20 Breakout Sessions – Desired Cook Inlet Measurements and Products
All participants
- 12:00-1:00 *Lunch (provided)*
- 1:00 Summaries of Break-out Session Discussions and Recommendations
Break-out Session Chairs
- 2:15 Wrap-Up and Where Do We Go Now? – Development of a Cook Inlet Ocean Observing Strategy
Dr. Mark Johnson (UAF Institute of Marine Science)
- 2:45 Adjourn (to catch afternoon plane)