**Cook Inlet Working Group Telecon**

**June 1, 2010**

**Participants**: Peter Olsson, Kris Holderied, Carter Ohlmann, Molly McCammon, Carl Schoch, Rich Patchen, Leon (NOAA), Vijay Panchang, Gaurav Singhal, Angie Doroff, Amy Holman, Darcy Dugan

**Met Group Update**

Peter Olsson is working to establish how long it will take to send data between the EFF and the NWS. He is waiting to hear back from the NWS.

Vijay Panchang asked about the protocol for producing wind fields, and Peter confirmed he was producing 12km and 4km grids on an hourly basis. Rich Patchen was interested in the links on how to get the data. Peter will send them by email.

**Wave Group Update**

Gaurav Singhal and Vijay Panchang at TAMU are working on connecting wave, wind, and circulation models. The goal is to forecast, and also work on technology development. They are trying to figure out at what interval to add waves, first starting with the circulation model. Andrey Proshutinsky is a co-PI, and has already published some work on Cook Inlet. In their proposal, they had described using the Army Corps ADCIRC model, and have obtained the ADCIRC grid. Something that would be very useful for the TAMU team right now would be to know where wetting and drying is occurring. The only data points known are from a 2005 experiment with minimal coverage.

There was a question about whether everyone was using the high resolution multi-beam bathymetry collected in Cook Inlet. The answer was no. Gaurav’s team is using a 24 arc second tsunami DEM model. Rich Patchen mentioned there were issues with that model and that NOAA was willing to share bathymetry, but it didn’t cover Turnagain Arm wetting and drying. Gaurav said they had interpolated surveys and nautical charts with the tsunami DEM. Rich mentioned the USACE has good data, and Ray Chapman would be a good person to contact.

**Circulation Group Update**

Rich Patchen reported that the NOS/NOAA modeling team is still waiting for the state budget to be signed by Governor Parnell to confirm funding to complete the Cook Inlet circulation modeling. Right now Rich and Leon are examining circulation with two grids and the ROMS model. They are getting currents and tides from the southern extent and northern extent. Rich is still making progress on this, and will be using a model to validate tides. He would like to create a hindcast model, and is interested in group collaboration to identify the best data in the best years. They will also be creating two nests within the model – for Kachemak Bay and Fire Island. The model running now includes wetting and drying and works satisfactory at 30m resolution. It can do tidal flats but not inundation for storms, however the nests will capture inundation when they are developed. Rich plans to share information as they move along.

**Topics for the Next Telecon:**

People on the call indicated that monthly calls were useful for people to keep up to date on project development, but that it might be useful to have specified topics to discuss in addition to updates. Topics for the next telecon include:

* Bathymetry: what bathymetry is available, and should there be agreement on a standard data set. Darcy will work with the bathymetry team (Kris Holderied and Carl Schoch) to gather what we know
* Data for hindcast models: what information does Rich Patchen/NOAA need for the hindcast and where can it be found.
* How can the stakeholder/user working group get started?

Please click on the doodle poll so we can set a time in mid July for the next call.

<http://www.doodle.com/xa3pgxqz9icmpbbm>

Thank you all