

COOK INLET MODELERS WORKSHOP



CIRCULATION MODELS OR WIND / WAVE FORECASTS

COOK INLET

- Point source dispersion, such as oil or toxic spills (floating, dissolved and sinking), at any location in Cook Inlet
- Mixing rates and resident time of water masses by depth and location
- Storm surge and unusual tidal events
- Salinity and temperature by date, location, and depth, relative to various freshwater inputs
- Changes to Cook Inlet given global warming and siltation during the next 100 years, particularly in Knik Arm, Turnagain Arm, and Susitna River
- Tidal rip locations, for possible fish concentrations and beluga feeding



24 August 2005
Goose Bay



22 August 2009
Birchwood



Thank you