An overview of existing observing system assets in Cook Inlet

Carl Schoch
Alaska Ocean Observing System
Outline

1. Weather stations
2. Wave buoys
3. Water level (tide) gauges
4. Water “quality” in situ sensors
5. Web cams
6. Numerical forecast models
7. Other miscellaneous platforms
NDBC Weather Buoys
NWS Weather Stations
C-MAN Weather Stations
NRCS Snow Gauge Stations

McNeil Canyon

Bradley River

Port Graham
AMBCS Snotel Weather Stations
Hydrometeorological Automated Data System (HADS)
Remote Automated Weather Stations (RAWS)
Road Weather Information System (RWIS)
Automated Surface Observation Stations (ASOS)
NERR System Wide Monitoring Program (SWMP) Meteorological Station

Outline – Weather
NWS Weather Radar
All weather stations
Meteorological Assimilation Data Ingest System (MADIS)

Outline – Weather
NDBC Wave Buoys
NOAA Tide Gauge and UAF Seismometer Station

Outline – Weather – Waves - Tides
Water level (tide) stations
Water Temperature
USGS Argus Station

AEFF Weather Research Forecasting Model
TAMU Simulating Waves in the Nearshore Model
Regional Modeling System
HF Radar Surface Current Measurements

Hydrographic Transects

Offshore Oil Platforms and Onshore Facilities

Cook Inlet Oil and Gas Platforms and Related Facilities

Map Legend:
- Offshore Platform
- Facilities

Map Not to Scale
Tyonek Platform and Supply Vessel
Ice Monitoring (USCG)