

# **EVOSTC ANNUAL PROJECT REPORT**

**Project Number:** ..... 070801

**Project Title:**..... **Assessment of the Areal Distribution and Amount of Lingering Oil in Prince William Sound and the Gulf of Alaska**

**PI Name:** ..... **Jacqueline Michel**

**Time period covered:** ..... **September 2007-August 2008**

**Date of Report:** ..... **19 August 2008**

**Report prepared by:**..... **Jacqueline Michel**

## **Work Performed:**

During this period, we compiled and analyzed all of the data collected during the 2007 field work, as well as all of the previously collected data (from 2001-2004, collected by Auke Bay Laboratory staff). We used these data to revise the initial probability model and produce a refined version. We identified additional parameters derived from the ShoreZone videography that could potentially be used in the final model. We also designed and completed a second field campaign in the summer of 2008. The results of this fieldwork will be used both to independently test the refined model and to test the proposed additional parameters. We are currently compiling and analyzing the results of this second field campaign.

## **Future Work:**

We plan to use the 2008 data described above to formally test whether incorporating the additional video-derived parameters will substantially improve the predictive performance of the model. If so, we plan to use the videography to derive these additional synoptic datasets for areas of concern within the original study area. We anticipate producing a final probability model, a final project report, and a final set of study area-wide high resolution maps and accompanying GIS data depicting data collected and final predicted probability.

## **Coordination/Collaboration:**

We have had close coordination and collaboration with the government Principal Investigators assisting us on the project. Gail Irvine of the U.S. Geological Survey assisted in permitting issues for the 2008 field work. She assisted with the gathering of anecdotal information on shoreline oiling in the Gulf of Alaska. Jeff Short of the Auke Bay Laboratory of the National Marine Fisheries Service has guided us throughout the model development and data analysis. The Auke Bay laboratory in Juneau, Alaska analyzed the sediment samples for oil fingerprinting and weathering characterization.

## **Community Involvement/TEK & Resource Management Applications:**

We have continued to work closely with landowners during permitting, which includes discussion with them on the study objectives and methods.

## **Information Transfer:**

No publications or data products were produced. We did not attend or present at any conferences or workshops.

## **Budget:**

No issues. We are within budget.