**Marine Advanced Technology Education
(MATE) Center**

**"Building and Tracking Ocean Drifters and
working with Remotely Sensed Data in Google
Earth"**

**August 1-5, 2010
Monterey Peninsula College GIS Lab (GA 103)
980 Fremont Street
Monterey, CA 93940**

Instructors

MATE/MPC: Deidre Sullivan, Fred Hochstaedter

Agenda

Monday, August 1, 2011

8:30	Group Introductions
9:00	Introduction to the Course - objectives and logistics –*Deidre, Erica*
9:45	*Break*
10:00	Introduction to Ocean Observing Systems– *Leslie Rosenfeld*
11:15	How drifters have changed how I teach oceanography – *Fred*
12:00	*Lunch*
1:15	Building Ocean Drifters – *Deidre, Fred, & Erica*
4:00	Global Positioning Systems – *Deidre*
4:30	Group Discussion (participants projects and needs)

Tuesday, August 2, 2011

8:30	Programing GPS Transmitters and working with the NOAA Drifter website – *Fred*
9:30	Introduction to KML
12:00	Field Trip and collecting GPS data – (Boat trip: Whale watching, kayaking, Elkhorn slough safari)
4:00	Return to lab and turn off GPS transmitters

Wednesday, August 3, 2011

8:30   Studying Harmful Algal Blooms – *John Ryan*
9:30   ERDAP Website – *Bob Simons*
10:00   Break
11:00   Transforming Drifter Tracks into KML Animations –*Fred*
12:00   Lunch
1:30   Transforming Drifter Tracks into KML Animations –*Fred*
2:30   Break
2:45   MATE Drifter Data Portal – *Deidre, Bruce*

Thursday, August 4, 2011

8:30   GTOPP – Lynn
9:30   Creating KML Time Animations– *Fred, Deidre, Bruce*
10:00   Break
12:00   Lunch
1:00   Additional software that is helpful: Global Mapper and Tiler
2:00   Work on Creating KML Time Animations
4:00   Prepare faculty presentation

Friday, August 5, 2011

8:30   The MATE Center
9:30   What does an oceanographer see in these animations? - *Leslie Rosenfeld*
12:00   Lunch
1:00   Presentations by college faculty on how they will use this workshop information in
            the classroom
2:00   Additional time to work on drifter data and animations
*4:00   Hike at Pt Lobos State Park (to help visualize seafloor habitats)
            and Pizza at Allegros in Carmel*