HIGHLIGHTS OF WORKSHOP 1: COMMON OPERATING PICTURE (COP)

EXPECTATIONS AND STANDARDS FOR OPERATIONAL USE IN CALIFORNIA

Judd Muskat

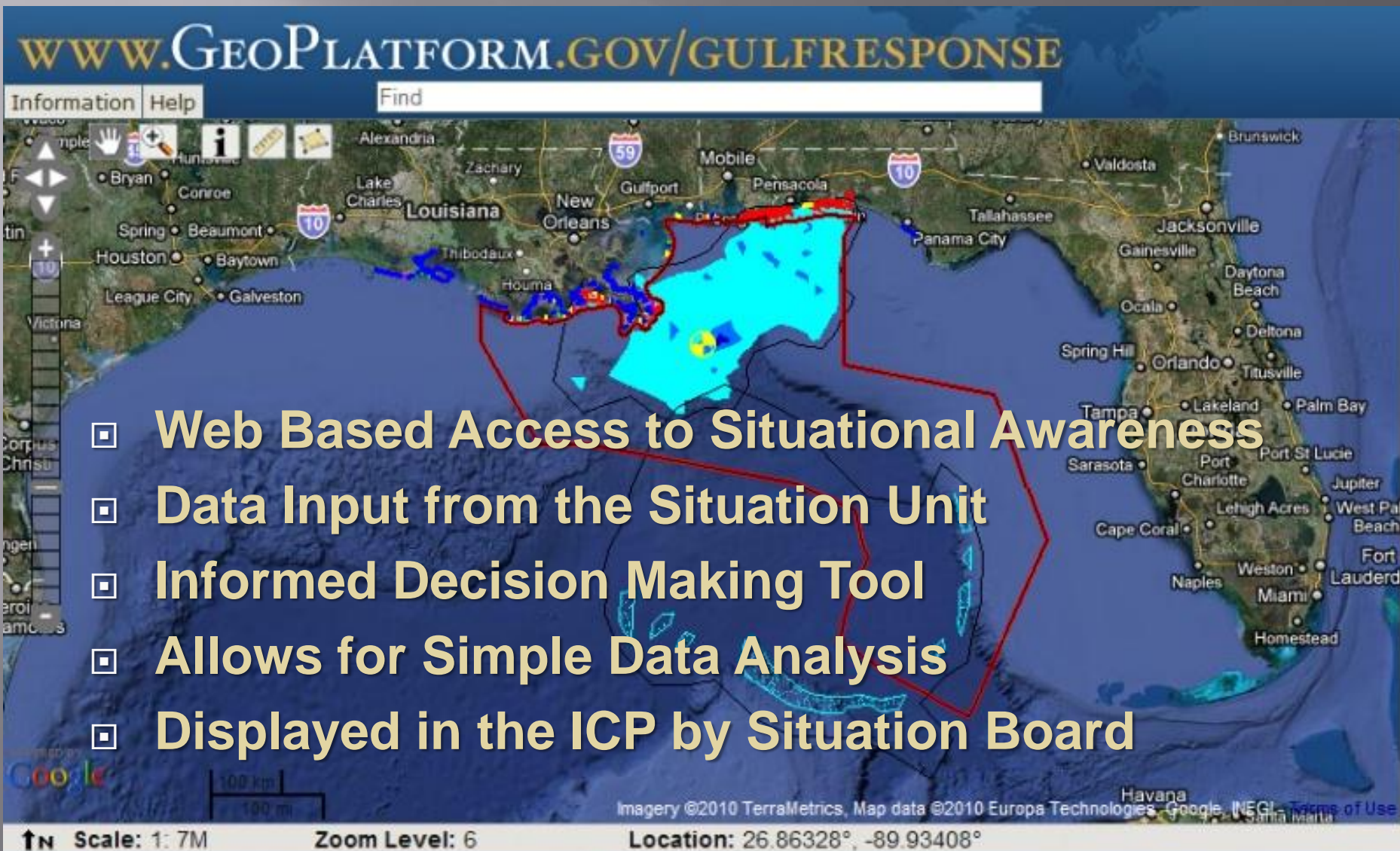**GIS Coordinator - OSPR**

California Department of
Fish and Wildlife

~24 Participants

- **State Government**
- **Federal Government**
- **Industry Contractors**
- **All GIS/COP players that we regularly drill with**

Presentations

- Witt O'Brian's
- The Response Group
- NOAA
- OSPR

Common Operational Picture

WWW.GEOPLATFORM.GOV/GULFRESPONSE

- **Web Based Access to Situational Awareness**
- **Data Input from the Situation Unit**
- **Informed Decision Making Tool**
- **Allows for Simple Data Analysis**
- **Displayed in the ICP by Situation Board**

Imagery @2010 TerraMetrics, Map data @2010 Europa Technologies, Google, INEGI - Terms of Use

↑N Scale: 1: 7M   Zoom Level: 6   Location: 26.86328°, -89.93408°

National Oceanic and Atmospheric Administration | Environmental Protection Agency
U.S. Department of the Interior | U.S. Department of Homeland Security | University of New Hampshire | Privacy policy | Email Comments
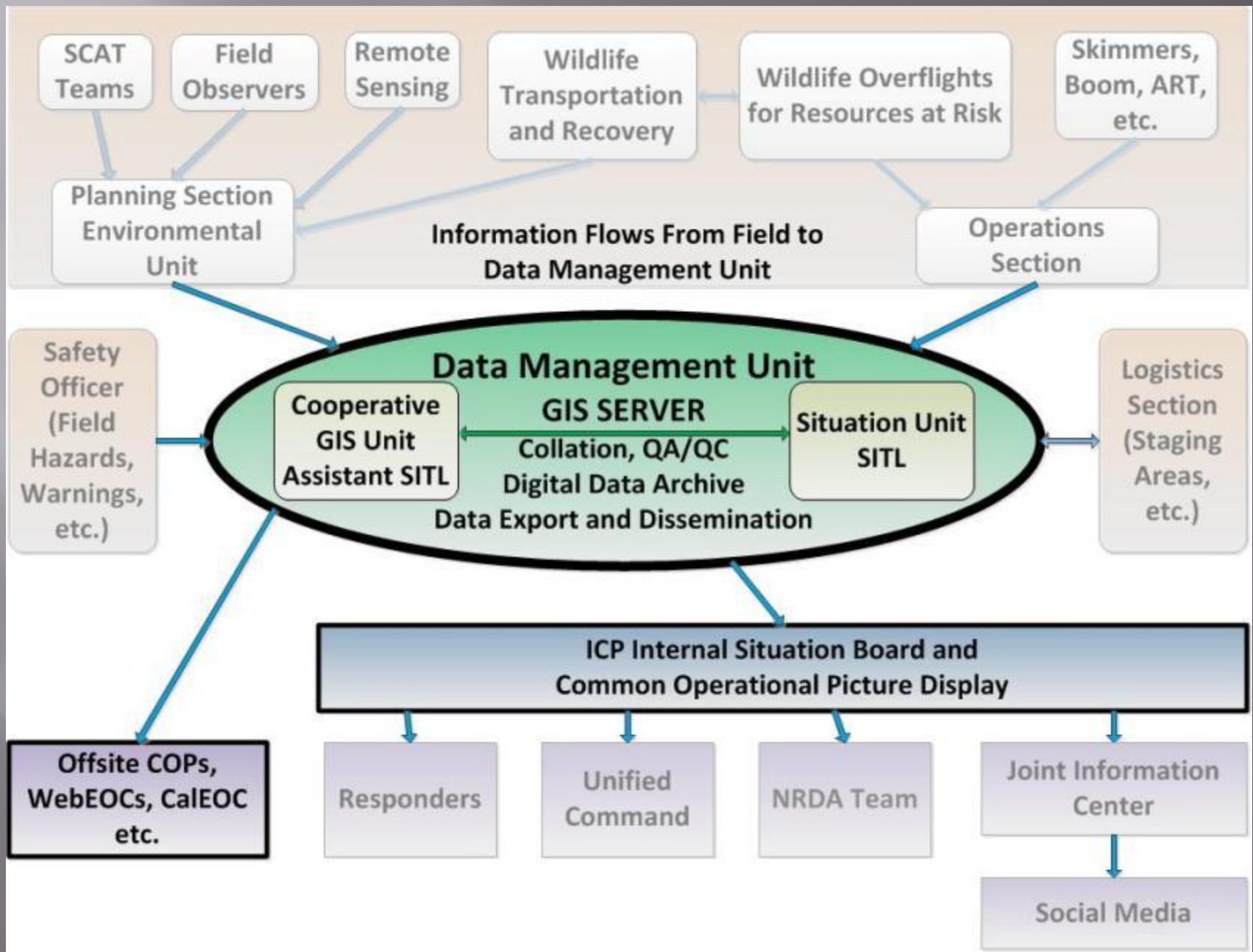
California's Expectations for an Oil Spill COP

- Accessible via Internet
- Multiple Levels of Access
    - Responder Login (Access to All Response Data)
    - Public – No Login Required (JIC/Liaison – Situation Display for Public Consumption as Directed by the UC)
- Ability to turn individual layers on/off
- Ability to Create and Download Custom Maps
- Ability to Download GIS Files
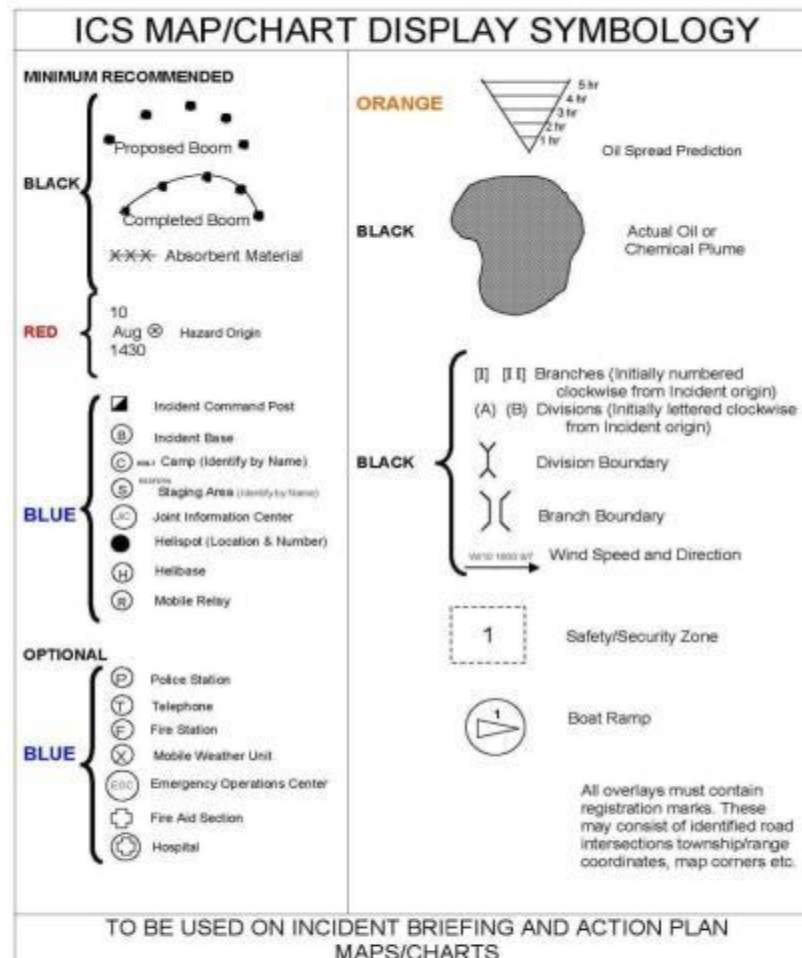
How Many COPs can be Used for a Response

- **One** – Authorized by the UC, displayed in the ICP
  - Used for all meetings and briefings
- **Many** – Offsite, Individual "In-House" Data Viewers *Using Data Sourced from SITU*
  - A Signed Data Sharing Agreement Will Assure All Parties Have All Data.
- **More than one COP displayed in the ICP**
  - WILL LEAD TO CONFUSION

Model for Flow of Data from the Field and Data Management in the ICP

COP Visual Display and map Standardization

MAP/CHART SYMBOLOGY

ICS MAP/CHART DISPLAY SYMBOLOGY

MINIMUM RECOMMENDED

BLACK
- Proposed Boom
- Completed Boom
- ✕✕✕ Absorbent Material

RED
- 10 Aug ⊗ 1430 Hazard Origin

BLUE
- ◪ Incident Command Post
- Ⓑ Incident Base
- Ⓒ ᴄᴀᴍᴘ Camp (Identify by Name)
- Ⓢ Staging Area (Identify by Name)
- ⒿⒾⒸ Joint Information Center
- ● Helispot (Location & Number)
- Ⓗ Helibase
- Ⓡ Mobile Relay

OPTIONAL

BLUE
- Ⓟ Police Station
- Ⓣ Telephone
- Ⓕ Fire Station
- Ⓧ Mobile Weather Unit
- ⒺⓄⒸ Emergency Operations Center
- ✚ Fire Aid Section
- Hospital

ORANGE
- 5 hr / 4 hr / 3 hr / 2 hr / 1 hr Oil Spread Prediction

BLACK
- Actual Oil or Chemical Plume

BLACK
- [I] [I I] Branches (Initially numbered clockwise from Incident origin)
- (A) (B) Divisions (Initially lettered clockwise from Incident origin)
- Division Boundary
- Branch Boundary
- W10 1600 9/7 Wind Speed and Direction

- 1 Safety/Security Zone

- 1 Boat Ramp

All overlays must contain registration marks. These may consist of identified road intersections township/range coordinates, map corners etc.

TO BE USED ON INCIDENT BRIEFING AND ACTION PLAN MAPS/CHARTS

Common Operational Picture Standardization

- Map Labels
- Map Symbology (Beyond the IMH)
- GIS File Format – ESRI Shapefile
- GIS File Names
- Feature Attribute Field Names and Properties
- How Do We Make This Happen?
- Who Takes the Lead?
  - Federal Gov't?

THANK YOU

judd.muskat@wildlife.ca.gov