

# **OSPR/Chevron Oil Spill Response Technology Workshop**

Chevron Park, San Ramon, CA

February 27 - March 2, 2017

## **AGENDA**

1230-1300 **Sign-in**

1300-1320 **Welcome & Orientation**  
Tom Cullen, *CDFW-OSPR*  
Mark Ross, *Chevron Shipping*

### Data Sharing Platforms and Tools

1320-1345	<b>ERMA Development Updates</b>	Matt Dorsey <i>NOAA</i>
1345-1410	<b>TRG Mobile Data Collection: SCAT Overview</b>	Kenny Rhame <i>TRG</i>
1410-1435	<b>Improved SCAT Field Data Collection, Management, Distribution and Storage</b>	Andrew Graham <i>Polaris</i>
1435-1500	<b>SCAT Mobile Data Collection - California's Ongoing Experience</b>	Isaac Oshima <i>CDFW-OSPR</i>
1500-1515	<i>Break</i>	
1515-1540	<b>Mobile Data Wildlife Recovery Application</b>	Randy Imai <i>CDFW-OSPR</i>
1540-1605	<b>The Use of Infrared Thermography Technology in Oiled Wildlife Research and Response</b> <i>(Moved to Wednesday afternoon)</i>	Kyra Mills-Parker <i>OWCN</i>
1605-1700	<i>Informal networking opportunity</i>	

0745-0815 **Sign-in**

0815-0830 **Welcome & Orientation**  
Tom Cullen, *CDFW-OSPR*  
Mark Ross, *Chevron Shipping*

### Applied Response Technologies (ART)

0830-0930	<b>Dispersant Fundamentals and OSR-Related Research</b>	Tom Coolbaugh <i>ExxonMobil</i>
0930-0955	<b>Mechanical Dispersion of Oil on Water</b>	Stein Erik Sorstrom <i>SINTEF</i>
0955-1020	<b>In-Situ Burn Overview</b>	Maria Hartley <i>Chevron</i>
1020-1035	<i>Break</i>	
1035-1100	<b>Modified Wood Flour, a Multifunctional Agent to Support InSitu Burns</b>	George Bonheyo <i>PNNL</i>
1100-1130	<b>Experiments with Herders and In Situ Burning (HISB)</b>	Steve Potter (remote) <i>S.L. Ross</i>
1130-1200	<b>Nearshore and Inland Use of Various Applied Response Technologies (ARTs)</b>	Ellen Faurot-Daniels <i>CDFW-OSPR</i>
1200-1300	<i>Lunch</i>	

**Response Technology Research and Coordination Updates**

1300-1325	<b>Federal Oil Spill Research Priorities &amp; Committee Update</b>	Kirsten Trego (remote) <i>USCG</i>
1325-1350	<b>An Update on Environment and Climate Change Canada's Oil Spill Research Activities</b>	Carl Brown (remote) <i>Environment Canada</i>
1350-1415	<b>Update on USCG R&amp;D Center Projects</b>	Kurt Hansen (remote) <i>USCG</i>
1415-1515	<b>BSEE/Oil Spill Preparedness Division(OSPD) Updates</b>	Suzanne Chang <i>BSEE</i>
1515-1530	<i>Break</i>	
1530-1555	<b>NOAA Spill Science Update</b>	Jordan Stout <i>NOAA</i>
1555-1620	<b>NOAA's Recent Experience Testing, Evaluating and Operating Small Unmanned Aircraft Systems in Support of Marine Resource Surveys, Oil Spills and Simulations</b>	Todd Jacobs <i>NOAA</i>
1620-1645	<b>Technical Reports and Activities – OSPR Update</b>	Tom Cullen & Anna Burkholder <i>CDFW-OSPR</i>

**Day 3:**

**March 1**

**Morning Session**

0800-0830 **Sign-in**

## **Mechanical Technologies**

0830-0855	<b>Pipeline Leak Prevention and Detection Technologies</b>	David McMasters <i>Chevron</i>
0855-0920	<b>Shoreline In-Situ Treatment: Sediment Mixing and Relocation Tools</b>	Helen Dubach <i>Owens Coastal</i>
0920-0945	<b>Sampling and Analysis Technologies for Pollution Monitoring In-Situ</b>	Dan Angelescu <i>Fluidion</i>
0945-1010	<b>Enhancing Skimmer Recovery Rates</b>	Wally Landry <i>Crucial</i>
1010-1025	<i>Break</i>	
1025-1050	<b>Motor Conversion for Shallow Water Response, and Elastec/MARCO Portable Filterbelt Skimmer</b>	Paul Smith <i>Elastec/MARCO</i>
1050-1120	<b>Contained in 30</b>	Boaz Ur <i>Harbo</i>
1120-1145	<b>Mobile Solutions for Containing &amp; Cleaning Up Inland Petroleum Spills</b> - WaterGate Instant Underflow Dam - Spilltration Compact Cleanup Materials	Donny Beaver <i>HalenHardy</i>
1145-1300	<i>Lunch</i>	

### Mechanical Technologies, continued

1300-1325	<b>Contain, Herd and Collect</b>	Bob Chickering <i>Environmental Treatment</i>
		Brad Diaz <i>Advanced Innovative Recovery Technologies</i>
1325-1350	<b>The Use of Infrared Thermography Technology in Oiled Wildlife Research and Response</b>	Kyra Mills-Parker <i>OWCN</i>

### Spill and Risk Communication Tools and Approaches

1350-1315	<b>Cal Spill Watch – OSPR's Oil Spill News Site</b>	Steve Gonzalez <i>CDFW-OSPR</i>
1315-1345	<b>Technologies and Approaches to Assist with Social Media Outreach And Management, and Principles of Risk Communication during an Oil Spill Response</b>	Ann Hayward-Walker <i>SEA Consulting</i>
1345-1500	<i>Break</i>	
1500-1800	<b>Public Participation and Outreach for Spill Response: The Ever-Changing Role of the Liaison Officer</b>	<u>Session Leaders:</u> Yvonne Addassi <i>CDFW-OSPR</i>
		Ann Hayward-Walker <i>SEA Consulting</i>

**Day 4:                    March 2                    Morning Session**

0800-0830    **Sign-in**

**Remote Sensing and GIS**

0830-0855	<b>Operational Wave and Surface Currents Observations and Models Within the State of California</b>	Julie Thomas <i>Scripps</i>
0855-0920	<b>Evaluating Oil Spill Risks through Stochastic and Deterministic Trajectory Modeling</b>	Don Danmeier <i>Chevron</i>
0920-0945	<b>Getting off the Ground: Implementing a Drone Program</b>	Steve Goldman <i>CDFW</i>
0945-1010	<b>UAS Applications for Spill Detection and Response</b>	Jessica Garron <i>Univ. of AK</i>
1010-1025	<i>Break</i>	
1025-1050	<b>Evaluating Unmanned Aerial Systems (UAS) for Oil Spill Response Applications: Results of Recent Chevron Tests and Drills</b>	C. Haselwimmer <i>Chevron</i>
1050-1115	<b>Practical and Important Drone Considerations</b>	Steve Smith <i>Ultravance</i>
1115-1140	<b>Accidents <i>Need Not</i> Happen! Strategies for Early-Warning Detection and Automated Containment of Oil Leaks &amp; Spills Using UV-Fluorometry</b>	Chris Chase <i>Interocean Systems</i>
1140-1300	<i>Lunch</i>	

**Remote Sensing and GIS, continued**

1300-1325	<b>Improving Oil Trajectory Models with The Addition of RADARSAT-2 Data</b>	Gordon Staples <i>MDA</i>
1325-1350	<b>Measuring Oil Thickness and Mapping Oil with UAS</b>	Oscar Garcia-Pineda <i>Water Mapping</i>
1350-1415	<b>MSRC Remote Sensing: The Next Significant Enhancement in Spill Response</b>	Kevin Hoskins <i>MSRC</i>
1415-1440	<b>New Capabilities in Aerial Remote Sensing for Real-Time Tactical Use During Oil Spills</b>	Jan Svejkovsky <i>Ocean Imaging</i>
1440-1505	<b>Optimized Operational Airborne Oil Spill Remote Sensing: POSEIDON, the Quantitative Approach</b>	Alessandro Vagata <i>Fototerra</i>
1505-1530	<b>Mapping Oil That Sinks - In Three Dimensions</b>	Jeff Wynn <i>USGS</i>
1530-1555	<b>Oil Spill Remote Sensing Across the Disaster Cycle from Orbital and Sub-Orbital Platforms</b>	Ira Leifer <i>Bubbleology</i>
1555-1620	<b>Oil Detection Canines as a Support Tool for SCAT Programs</b>	Ed Owens <i>Owens Coastal</i>
1620-1630	<b>Workshop Wrap-Up</b>	



# Seventh Technology Workshop for Oil Spill Response in California

The background features a stylized illustration of a large, curling wave. In the foreground, a small boat is visible on the water. In the distance, a lighthouse sits atop a rocky island. The overall style is reminiscent of a woodcut or a traditional print.

**Date:** February 27 - March 2, 2017

## **Workshop Registration:**

To register contact

Ms. Annie Nelson

Send Email: [annie.nelson@wildlife.ca.gov](mailto:annie.nelson@wildlife.ca.gov)

Or Call: (916) 324-0125

**Location:** Chevron Bishop Ranch 1-X  
6101 Bollinger Canyon Rd.  
San Ramon, CA 94583  
(See parking map below)

## **Lodging Information:**

Scroll below for options

**Sponsored by:**

Department of Fish and Wildlife - OSPR  
Chevron



Access Bishop Ranch 1 via This Entrance

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Bishop Ranch 1

Chevron Park

Bollinger Canyon Rd

680

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# 2017 Technology Workshop

## Lodging Information

San Ramon Marriott  
2600 Bishop Drive  
San Ramon, CA 94583  
925-867-9200

Residence Inn by Marriott  
1071 Market Place  
San Ramon, CA 94583  
925-277-9292

Courtyard by Marriott  
18090 San Ramon Valley Boulevard  
San Ramon, CA 94583  
925-866-2900

Hyatt House  
2323 San Ramon Valley Blvd  
San Ramon, CA 94583  
888-882-1234

Extended Stay America – East  
2100 Camino Ramon  
San Ramon, CA 94583  
877-432-9997

Extended Stay America – West  
18000 San Ramon Valley Blvd  
San Ramon, CA 94583  
877-432-9997

Best Western Danville Sycamore Inn  
803 Camino Ramon  
Danville, CA 94526  
925-855-8888

Holiday Inn Dublin  
6680 Regional St  
Dublin, CA 94568  
925-828-7750

Marriott Pleasanton  
11950 Dublin Canyon Rd  
Pleasanton, CA 94588-2818  
925-847-6000

Sheraton Pleasanton Hotel  
5990 Stoneridge Mall Rd  
Pleasanton, CA 94588  
925-463-3330

Larkspur Landing Pleasanton  
5535 Johnson Dr  
Pleasanton, CA 94588  
925-463-1212

DoubleTree Pleasanton at the Club  
7050 Johnson Dr  
Pleasanton, CA 94588-3396  
925-463-8000

Four Points by Sheraton Pleasanton  
5115 Hopyard Rd  
Pleasanton, CA 94588  
925-460-8800

Courtyard by Marriott  
5059 Hopyard Rd  
Pleasanton, CA 94588  
925-463-1414

Hyatt House Pleasanton  
4545 Chabot Dr  
Pleasanton, CA 94588  
925-730-0070