California Marine Life Protection Act Initiative  
Oceanography Workshop Draft Agenda  
*revised September 9, 2008*

**September 16, 2008**  
9:00 a.m. to approximately 5:00 p.m.

Embassy Suites  
1440 E. Imperial  
El Segundo, CA  90245  
(310) 640-3600

Members of the public are invited to attend and observe the meeting in person.  This draft agenda is available on the MLPA website at [www.dfg.ca.gov/mlpa/meetings_sc.asp](http://www.dfg.ca.gov/mlpa/meetings_sc.asp).

**Public participation:** The public will be invited to offer general comments at approximately 1:00 p.m. Note that the general comment period is for public comment specific to the oceanography of the MLPA South Coast Study Region; comments related to other work of the science advisory team, regional stakeholder group, task force or other MLPA Initiative activities should be directed to those bodies or MLPA staff.

**Workshop Objectives**

- Review and provide input on a draft graphical and narrative explanation of major oceanographic patterns in the MLPA South Coast Study Region to be included in a regional profile
- Receive an overview of MLPA modeling efforts
- Evaluate approaches to developing dispersal kernels for population models used to design and evaluate alternative marine protected area (MPA) proposals
- Discuss implications of oceanography and geography of the Southern California Bight for MPA spacing guidelines and the evaluation of MPA proposals

**Workshop Agenda**

Note: The workshop participants will break for lunch at approximately 12:00 noon. **Public comment will be taken immediately following lunch at approximately 1:00 p.m.**

<table>
<thead>
<tr>
<th>1. Welcome, introductions and review of agenda</th>
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<tr>
<td>2. <strong>Major oceanographic patterns in southern California</strong></td>
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<tr>
<td>A. Developing an oceanographic perspective for MLPA in southern California</td>
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<td>B. Feedback from participants on oceanographic patterns</td>
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<td>3. <strong>Overview of modeling efforts for the MLPA South Coast Study Region</strong></td>
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<td>A. Overview of the Equilibrium Delay Difference Model (EDOM)</td>
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<td>B. Overview of the University of California, Davis (UCD) model</td>
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<td>C. Overview of the Regional Ocean Modeling System (ROMS) based dispersal kernel</td>
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<td>4. <strong>Discussion about dispersal</strong></td>
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<td>- What are advantages and disadvantages of integrating ROMS into the dispersal kernel?</td>
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4. **Discussion about dispersal (continued)**

- Do predictions from the ROMS-based dispersal kernel match known patterns of propagule, plankton or larval movement?
  - A. Drifters
  - B. Recruitment studies
- Discussion of other empirical data on dispersal and connectivity
- Discuss ways to improve the ROMS-based dispersal kernel or create new dispersal kernels.

5. **Implications of oceanography and geography of the Southern California Bight on marine protected area spacing guidelines**

- Are supplemental analyses needed to evaluate potential connectivity among MPAs in the south coast study region?

6. **Wrap up and next steps**

7. **Adjourn**

**Presentations**

A. PowerPoint Presentation: Developing an oceanographic perspective for MLPA in southern California (John Largier, University of California, Davis)

B. PowerPoint Presentation: Overview of EDOM (Chris Costello, University of California, Santa Barbara)

C. PowerPoint Presentation: Overview of UCD model (Will White and Loo Botsford, University of California, Davis)

D. PowerPoint Presentation: Overview of ROMs-based dispersal kernel (Satoshi Mitarai, University of California, Santa Barbara)

E. PowerPoint Presentation: Empirical data from drifters (Carter Ohlmann, University of California, Santa Barbara)

F. PowerPoint Presentation: Empirical data from recruitment studies (Pete Raimondi, University of California, Santa Cruz)

G. PowerPoint Presentation: Overview of MPA spacing guidelines and justification (Steve Gaines, University of California, Santa Barbara)