MPA Decision Support Tools

North Central Coast Regional Stakeholder Group
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Tools and Support Available

- Hardcopy maps, charts
- Internet map service site (view all data layers at www.marinemap.org/mlpa)
- Doris – MPA decision support tool (view data layers, draw candidate MPAs or candidate arrays of MPAs)
- MLPA Initiative team – planning support, GIS analysis, facilitation
- SAT – scientific input and evaluation
- BRTF – policy and guidance

Decision Support Tools

A decision support tool can be anything that helps to inform and support good decision-making

Some specific software / Internet tools available for your use:

- Internet mapping service site – view data layers
- Doris (MPA decision support tool)
- California coastline aerial photos at www.californiacostline.org
- Google Earth – imagery of study region
SAT Exploring Other Tools & Models

Presentations at August 16, 2007 SAT meeting:
• Marxan/Marzone – optimization software to identify areas to meet specific goals (A. Scholz)
• Single-species fisheries models (R. Hilborn, C. Walters)
• Population sustainability models (L. Botsford)
• Biological-economic models (C. Costello)

Utility of other models in proposal evaluation being discussed at future SAT meetings

Doris: MPA Decision Support Tool

• Doris – web-based tool
  – View data layers
  – Draw candidate MPAs and “Arrays”
  – Get reports on features captured
• Developed during central coast process
• Funding
  – MLPA Initiative
  – National MPA Science Center
  – Monterey Bay Sanctuary Foundation
• Developed by
  – IM Systems Group, Inc.
  – MLPA Initiative, state, and federal staff

Login Page

"Doris" is a sea nymph from Greek mythology who represented the bountiful ocean
MPAs drawn outside the regional boundary can be "clipped"
Adding MPA Details

Combining Candidate MPAs into “Arrays”

Building Reports

Selecting candidate MPAs to include in an “array”. Editing candidate arrays.
Viewing Reports

Only selected candidate MPAs or arrays will appear in a report.

Types of Reports

- Habitat
- Select species
- Recreational fisheries
- Commercial fisheries
- Cultural

Summary

- Doris (and the IMS site) will be updated with new information as it becomes available
  - We will notify you of updates
- New report formats and improvements still underway
  - We welcome your suggestions
- Individual passwords provided
- Breakout session for closer look at tool