

# Deep Sea Coral Research and Technology Program

## West Coast Deep-Sea Coral Research Initiative

**Draft Outline – Feb. 20, 2015**

**Executive Summary** – highlights major findings

**1. Front matter:**

- a. Table of Contents
- b. List of Figures
- c. Acknowledgements

**2. Introduction**

- a. 1 paragraph on DSCRTP (*We can provide this*)
- b. Goals of the three-year southeast research initiative
- c. Partners

**3. Field Research Sites –**

- a. list of cruises and where & when the field research occurred & the purpose of each cruise – can be done as a table
- b. Regional map(s) showing dive sites

**4. Deep-sea coral and sponge assemblages and associated fishes and invertebrates – / suggest 1-2 page summary for each major site, including:**

- *a map showing dive sites &/or dive tracks*
- *picture (either representative or reflecting an important feature observed at the site);*
- *A short summary of what was found (and if appropriate – why it is important)*
- *A summary graph if needed to emphasize a major finding*
- *A hyper-link to the relevant site characterization report(s) (Which will have the methods and much more info)*
- *Major Sites:*
  - a. Olympic Coast National Marine Sanctuary – This should synthesize information from both the ROV and AUV dives (2010) and ROV (2011 – if there was anything useful)
  - b. Grays Canyon sponge fields – Should synthesize the multibeam and AUV information.
  - c. Northern California (2014) Synthesizing AUV & towed camera results
  - d. Bodega Canyon (2011)
  - e. Cordell Bank National Marine Sanctuary (2010 – if there was anything useful)
  - f. Gulf of the Farallones – Should synthesize the multibeam and ROV info
  - g. Piggy Bank (synthesize information from both the ROV and AUV dives in 2010)
  - h. Christmas Tree Black Coral Submersible Cruise
  - i. Channel Islands 2013
  - j. Bowie Seamount (Can we get DFO-Canada to help write?) ROV and AUV surveys
  - k. Cobb Seamount (Can we get DFO-Canada to help write?) ROV and AUV surveys

**5. Associated studies** – ~ One page summaries (from the PI) on major findings (or ongoing analyses) for the following:

- a. Taxonomic studies (if any, e.g., new species identifications, etc.)

- b. Waller – NURP Project - Life History Characteristics of West Coast Deep Sea Coral Species*
  - c. Williams & Etnoyer - NURP Project - Ages, Growth Rates, and Climate Reconstructions from Deep-Sea Primnoidae Corals*
  - d. Any other studies?*
- 6. **Conclusions** – 1-2 pages summarizing what we know now that we didn't know before and why it might be important to management. Do certain sites seem to be particularly important based on their coral or sponge resources? This would also be a good place to summarize any cross-region trends. May be nearly the same as the thrust of the Executive Summary.
- 7. **Priorities for follow-on research** ~ 5 to 10 short bullets
- 8. **References**
- 9. **Appendices** – Electronic link to the following:
  - a. 2010 - Research Priorities Workshop Report
  - b. Full multibeam maps (for Grays Canyon & Gulf of the Farallones)
  - c. Site Characterization Summaries & Dive Logs
  - d. Other products?