

Benthic Habitat Mapping of the Main Eight Hawaiian Islands Using Hyperspectral and Multispectral Imagery

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The coastal regions of Hawaii represent important ecological and economical resource. Comprehensive, up-to-date maps form the foundation for a variety of coral reef conservation measures including: creating accurate baselines for long-term monitoring, identifying and protection essential fish habitat, and characterizing habitats for place-based conservation measures such as marine protected areas. Dr. Jonathan Gradie will demonstrate how hyperspectral and multispectral technologies are being used to augment traditional visual mapping techniques, resulting in more accurate maps. STI will describe the Coral Conservation Program's Pacific Benthic Habitat Mapping project currently underway in the main Hawaiian Islands and outer Pacific islands, concentrating on the techniques of spectral imaging.