

ABSTRACT

Channel Islands National Park began a long-term plant community monitoring program on Anacapa, Santa Barbara, and San Miguel Islands in 1984. Monitoring on Santa Rosa Island began in 1990 and on East Santa Cruz Island in 1998. Species present at each of 100 points along 163, 30-m permanent transects, are recorded annually. The number of transects on each island is determined by the island's size and the diversity of its vegetation. Anacapa Island has 16 transects, Santa Barbara Island has 24, San Miguel Island has 16, Santa Rosa Island has 86, and East Santa Cruz Island currently has 21. This report presents the data, summarized by transect, that were collected on all five islands from 1984 - 2000. Although data from 1984 to 1995 were previously presented in Technical Report 98-08, inclusion of those data in this report presents a more complete picture for comparative purposes. For analysis of vegetation trends, the transect data should be aggregated by community types. Relative frequency of natives vs. exotics, perennials vs. annuals, and comparison of graminoids, herbs, sub-shrubs, shrubs, and trees can be derived from the data. This report supplements Technical Report 98-08, Terrestrial Vegetation Monitoring, Channel Islands National Park, 1984-1995 Report. No analysis is presented in this annual report, however an analysis of the vegetation data is underway and will be presented in an upcoming Trend Report. In addition, a review of the overall vegetation monitoring program was conducted in December 2000. The recommendations from that review are summarized in this report. A more complete overview of that review will also be forthcoming.