

**Dendrochronological Studies of Historical Weather  
and Extreme Storms, Cape Cod, MA  
(from poster presentation)**

Due to the periodic but regular occurrence of storms, the [Waquoit Bay] area is known to be adapted to disturbances. Although the Reserve presently keeps climate data records, the records of the past 50 to 100 years are spotty and have large gaps in observations. This project aims to correlate known weather occurrences with data collected through dendrochronology from Pitch Pine (*Pinus rigida*) and Juniper trees (*Juniperus virginiana*) in various locations on or near the barrier beaches of Vineyard Sound. By comparing growth patterns in the trees with records of precipitation, temperature and storms, [we] attempt to determine the accuracy of both the human data as well as the use of juniper growth rings for climate record data.

