

Fog supports the once-grand Redwood stands and their ferny understories in Northern and Central California. In the much drier climate of Southern California, fog is the cornerstone in stabilizing unique coastal oak and pine woodland ecosystems. With over-grazing and urbanization, many of these habitats have disappeared. Without a tree canopy, water cannot be collected from the fog; without water, trees cannot grow. Scientists are now experimenting with artificial methods to capture fog and establish oak and pine forests on the nearby Channel Islands.

SPECIES STOCK FOR FOG/SALT TOLERANT VEGETATION

LOSS OF COASTAL HABITAT DUE TO URBANNIZATION

Coastal Reservoir is a scalable, flexible proposal. The proposed formation amplifies wave energy into the pillars, and the scale of the arrangement is balanced by the adjacent pier. However, the sculpture would still function if built as a single unit or in small formations. As the islands are mobile reservoirs of water and energy, we also imagine the city of Santa Monica could "donate" islands to nearby communities in times of need. An annual spectacle might see some of the island units 'dock' at other locations throughout Los Angeles, where they would function as devices to educate the greater public about the ecology and clean energy.



