

Changes of a Living Thing in the Akashi Okura Seashore

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In the rocky shore improved artificially, the ecosystem changes how with progress of time on the Akashi Okura Seashore, Moreover, it aimed at evaluating enterprise usefulness by checking whether it is that a certain difference has arisen by carrying out comparison with the inside and the outside of the park after a construction end.

The blocks installs on the detached breakwater in part of a rocky shore of the Akashi Okura in the front, and the back, the tide pool part whose depth of water is about -1m and retarding part surrounded by gentle-slope seawall is arranged.

The surface of a tide pool is covered with a ball gravel with a diameter of about 1cm, and natural stone whose weight is 3t to30t is placed between a tide pool and retarding, and the part has become as one, so repeat height water and low water by influence.

The diversity index and Tw value which were calculated from the results of an investigation of the bottom student living thing in retarding part, a tide pool part and the detached breakwater exterior, and a tide pool part and an adhesion living thing estimated after the Okura seashore completion.

Although it is an index effective in a diversity index showing the abundance of the living thing seed of a living thing in a habitation place, there is a field of being hard to catch change of the structure visually. Tw value is the index devised as an index that can express change of the structure visually.

The structure of a living thing in a detached breakwater outside shows the value with high Tw value also in diversity, and it is thought that the structure is flying variably.

On the other hand, in a tide pool part, although diversity is small, Tw value is carrying out the same distribution as a detached breakwater outside, and although the diversity of the living thing in a tide pool is low, it is thought that the crowd structure is approaching a natural state.