

Republic of Korea

Shinan Dadohae



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Declaration date: 26 May 2009

Surface area: 75,749 ha

Administrative division: Shinan County, Jeollanamdo Province

Human activities:

- Core Areas :

Monitoring and study are being conducted in order to develop areas for mountain climbing and recreation. The maritime region



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of the core area can be used for eco-tourism and cruises. Also, trails for the residents can be used without damaging the ecosystem.

- Buffer Zones: Businesses based on indigenous knowledge are conducted within the tidal flats and Dadohae National Park, particularly 'Sun Dried Salt,' a local specialty is produced in eco-friendly manner. Also, ecotourism programs, such as sightseeing tours and cycling can be beneficial in various ways and are therefore worth considering.

- Transition Area: Eco-friendly fishery and fish breeding is conducted in this area. However, maritime transport systems need to be reorganized to become more environmentally sustainable. Developing ecotourism in this area with the involvement of the local community and reflecting the natural features is also recommended. In addition, there is a need to maintain the specialization of the local products representing the region's natural characteristic. The area in general is likely to be developed as a residential area.

Ecological characteristics:

Temperate Evergreen Broadleaf Forest Zone: The dominant species in this zone are *Castanopsis cuspidata*, silver magnolia, and camellia trees. There are also herbaceous plants such as *Ardisia japonica*, *Hedera rhombea*, Saeri trees, and *Kalopanax pictus*.

Dune Vegetation: Dune vegetation includes *Ischaemum antheperoides*, *Zoysia macrostachya*, *Vitex rotundifolia*, *Calystegia soldanella*, *Messerschmidia sibirica*, and a colony of *Carex kobomugi* on Jeungdo Island. Several unusual species, including *Phragmites communis* and *Vitex rotundifolia* are distributed throughout the dunes.

Evergreen Coniferous Forest Zones on Uninhabited Islands : A colony of Japanese black pine trees dominates the seashores and hillsides. On some uninhabited islands, there are remnant patches of temperate evergreen coniferous trees and Japanese black pine trees. There are also insects, such as *Graphium sarpedon* and *Papilio protenor*, in temperate evergreen coniferous trees and coastal dunes.

Tidal Flat: Reed and *Phragmites* communities are dominant in wetland areas. In the coastal area, various salt-marsh plants are developing such as halophyte communities. Many biological organisms are in the inter-tidal zone. The surface of the tidal flat is an important habitat for diatoms and plankton, due to the complexity of ecological circulation and the food chain, many shells and invertebrate are found here.

sibirica, *Plantago major* for. *yezomaritima*, and

Protection classifications:

Ramsar site

At the national level:

Dadohae National Park & Natural Monuments



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