



Enhancing effectiveness of Marine Protected Areas through networking and implementation of “Ecological Red-line”

Linlin Zhao

the First Institute of Oceanography, SOA

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Current situation of China's Marine Protected Area

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The case of Dongying City enhancing effectiveness of Marine Protected Areas

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Outline



Current situation of China's Marine Protected Area



The case of Dongying City enhancing effectiveness of Marine Protected Areas

Marine ecosystems

Mangrove



Seagrass bed



Coral reef



Coastal wetland



Island



Estuary coastal wetlands

Shuang Taizi River



Yalu River



Yellow River



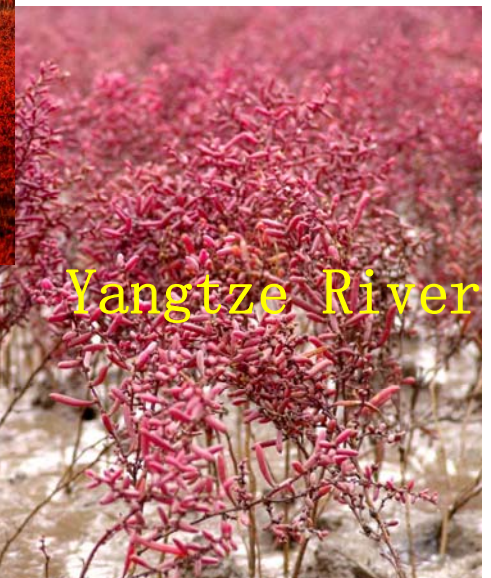
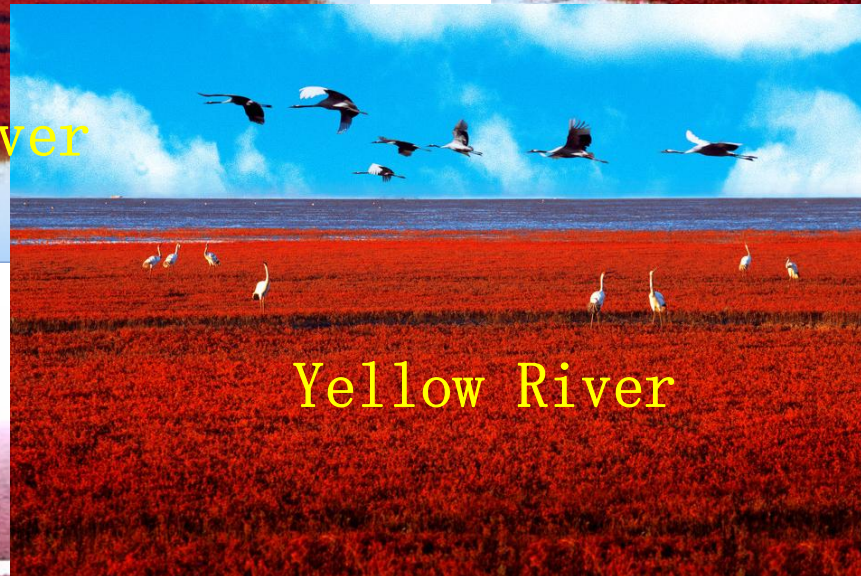
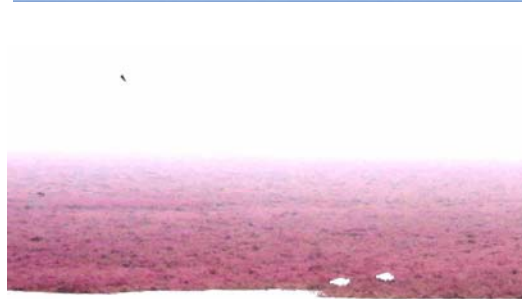
Subei Shoal Patch



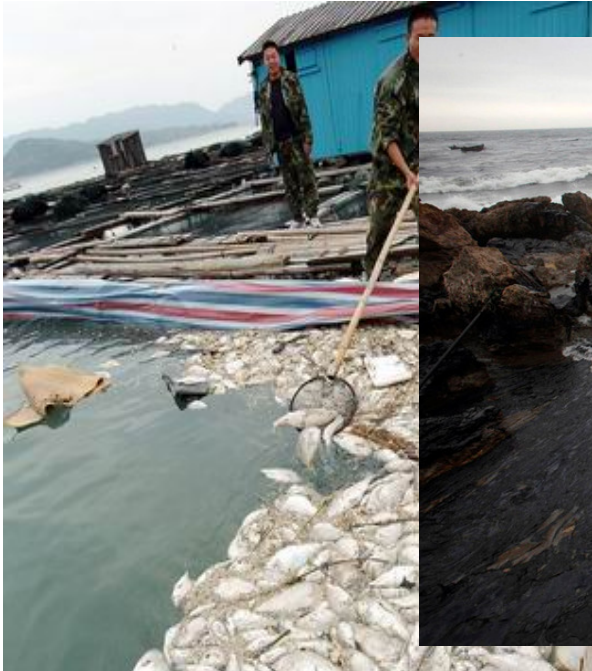
Yangtze River



Estuary coastal wetlands

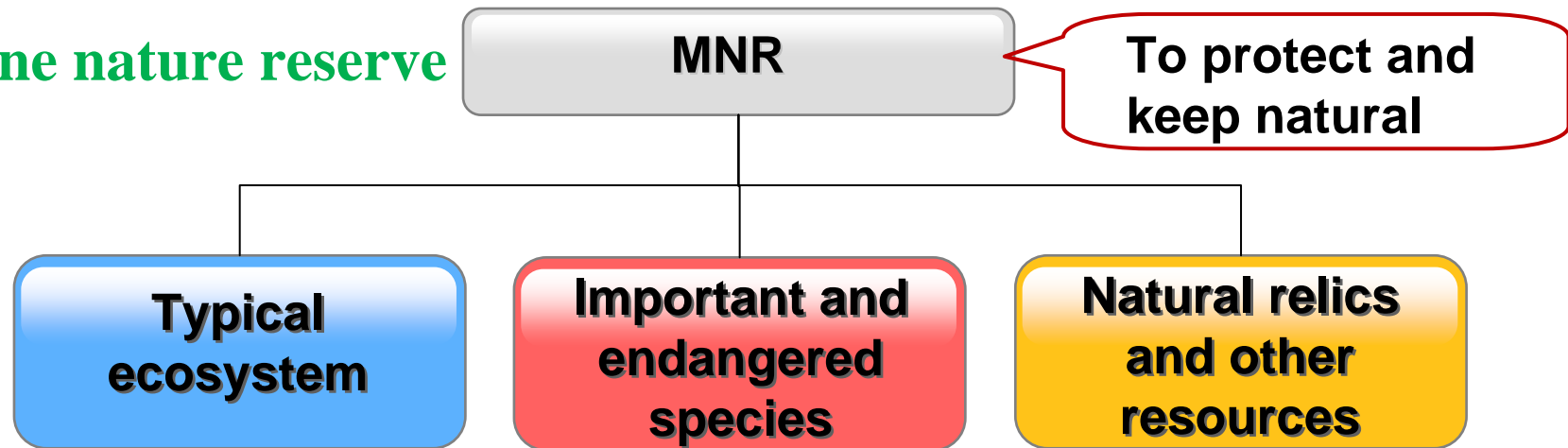


Environmental destruction

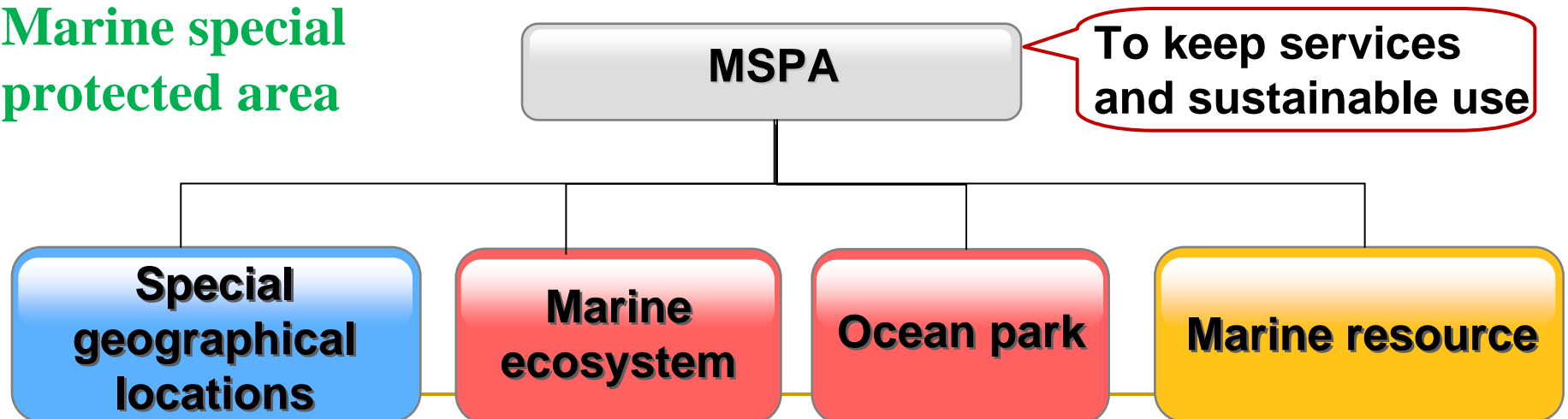


China MPAs

Marine nature reserve



Marine special protected area



Marine protected areas

- Number of marine protected areas: 260
 - National marine protected areas: 93
 - Marine nature reserve: 34
 - Marine special protected: 69
 - Total area: more than 100, 000 km²
 - Ecosystem: mangrove, coral reef, salt marsh, estuary, bay, island, lagoon et al
 - Endangered species: amphioxus, spotted seals, dolphins, sea turtles and other rare and endangered marine species
-



National marine protected areas



Outline



Current situation of China's Marine Protected Area



The case of Dongying City enhancing effectiveness of Marine Protected Areas

Location of Dongying City

- a. North of Shandong Province, in the center of Yellow River Delta;
- b. A total area of 8,053 km², with a population of 2,030, 000.
- c. Famous as the 'oil city'.



Important eco-function areas

Important wetland:

- Transfer station of birds migration

Three ground one channel

- Spawning ground
- Feeding ground
- Wintering ground
- Migration pathway

Endangered rare animal

- Cowfish (*Neophocaena phocaenoides*)



Marine protected areas

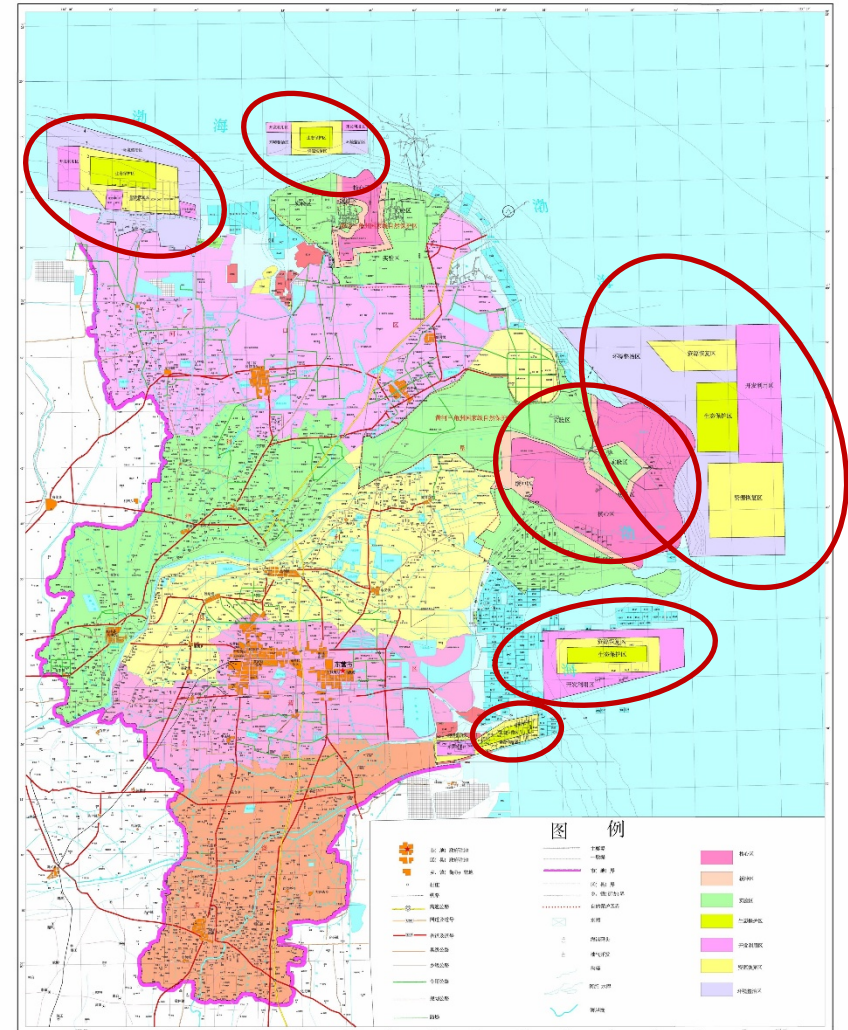
One national marine nature reserve

- Yellow river delta national nature reserve

Five national marine special protected areas

- Dongying Hekou shellfish ecological national marine special protected areas
- Dongying Lijin bottom-living fish ecological national marine protected areas
- Dongying Yellow river estuary ecological marine special protected area
- Dongying Laizhou bay razor clam ecological marine special protected area
- Dongying Guangrao clamwarm ecological marine special protected area

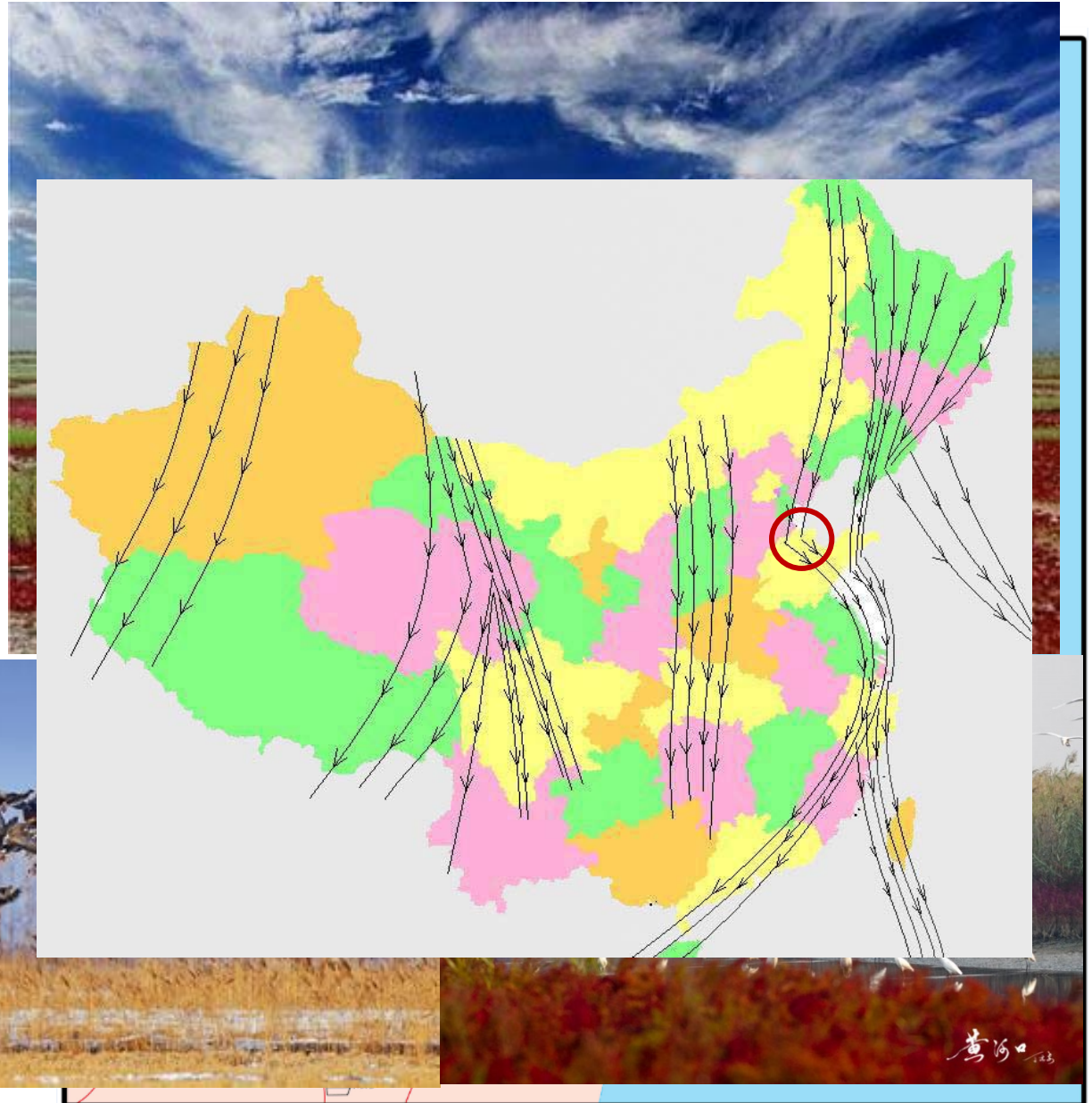
国家级保护区位置现状图



东营市海洋与渔业局 2009年3月编制

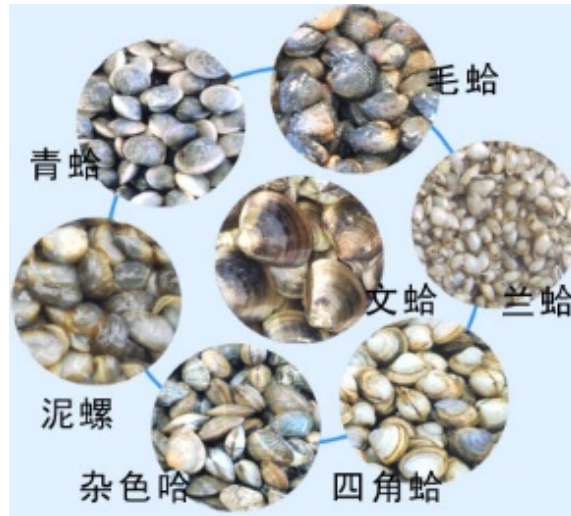
Yellow river delta national nature reserve

- Establish data: 1992
- Area: 1530 km²
- Key protected object:
estuary wetland
ecosystem



Dongying Hekou shellfish ecological national marine special protected areas

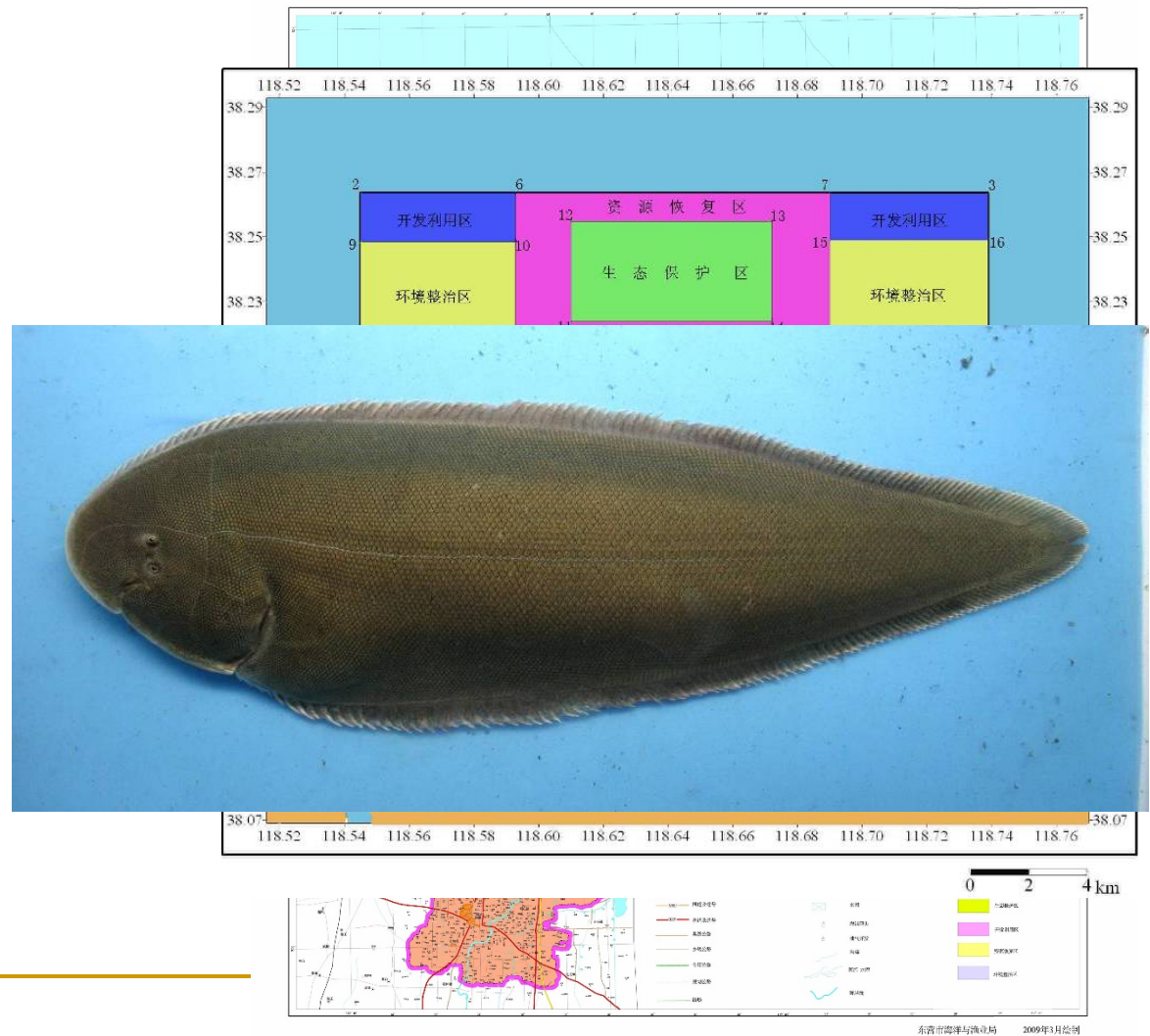
- Establish data: 2008
- Area: 396.23 km²
- Key protected object: shellfish, especially clam (*Meretrix lusoria*), and their habitat



Dongying Lijin bottom-living fish ecological national marine special protected area

- Establish data: 2008
- Area: 100 km²
- Key protected object: bottom-living fish, and their habitat

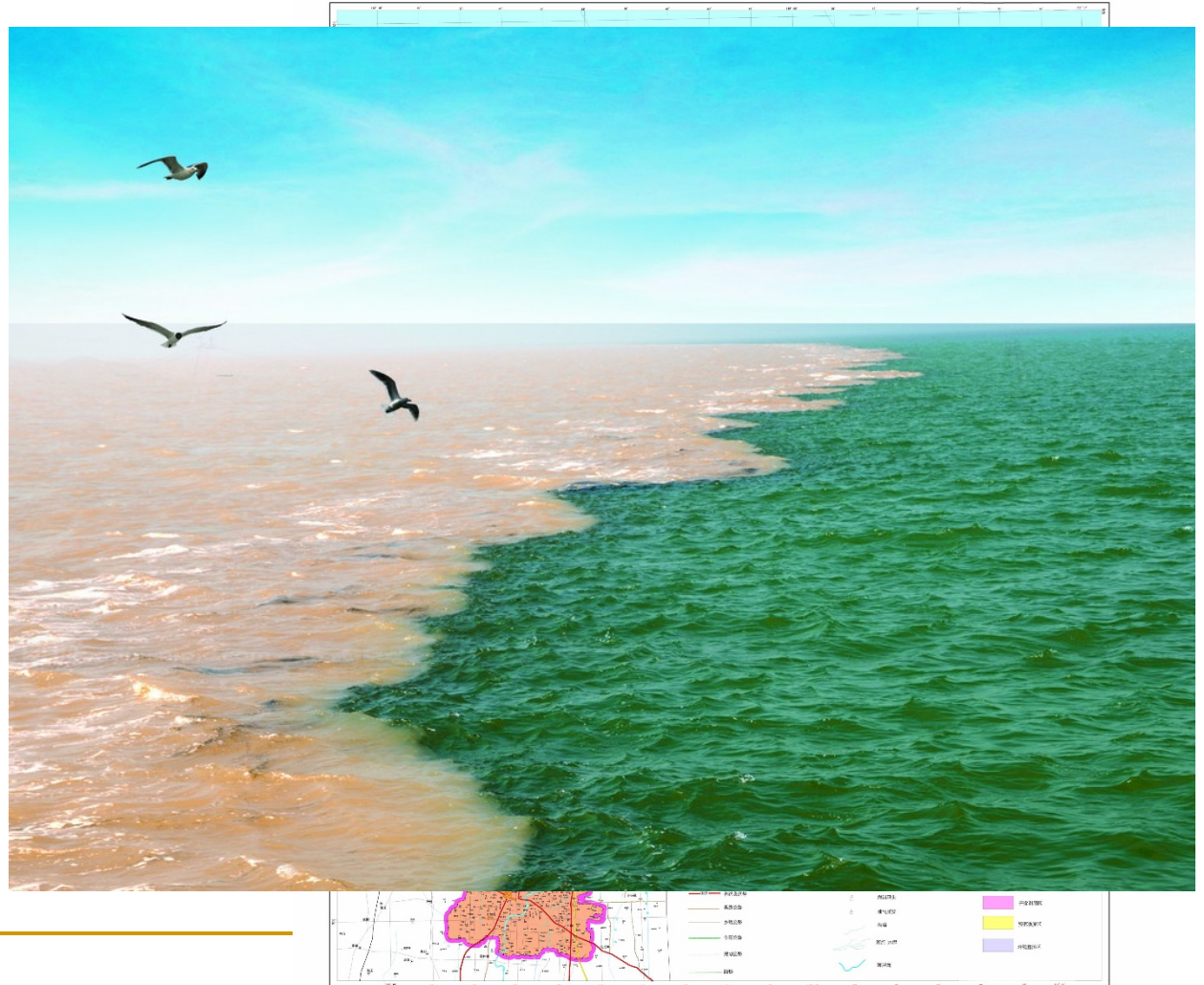
国家级保护区位置现状图



Dongying Yellow river estuary ecological marine special protected area

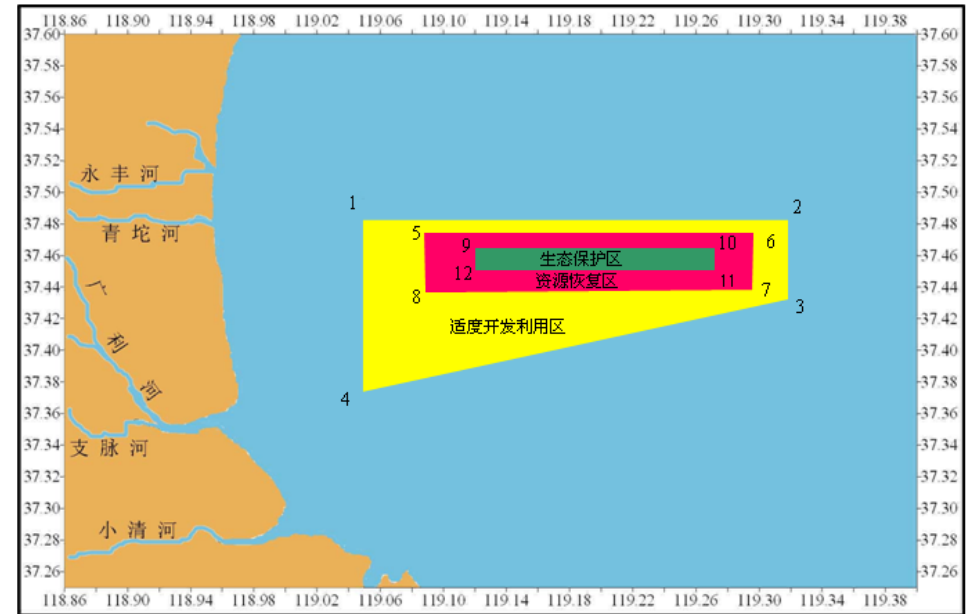
- Establish data: 2008
- Area: 926 km²
- Key protected object: estuary ecosystem

国家级保护区位置现状图



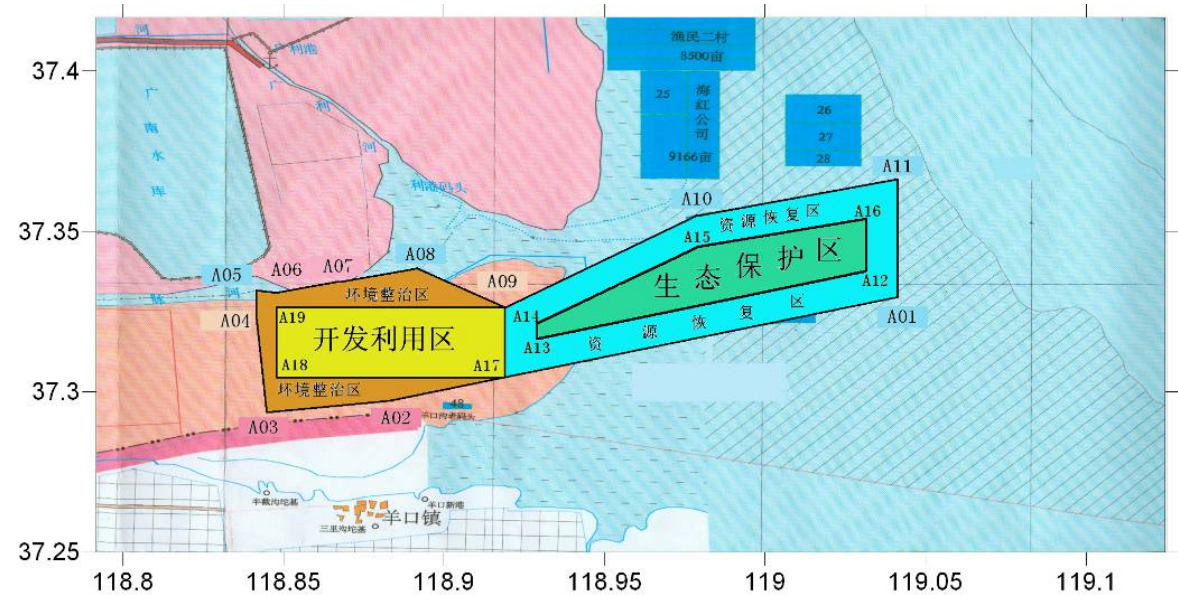
Dongying Laizhou bay razor clam ecological marine special protected area

- Establish data: 2009
- Area: 210 km²
- Key protected object: razor clam, and their habitat



Dongying Guangrao clamwarm ecological marine special protected area

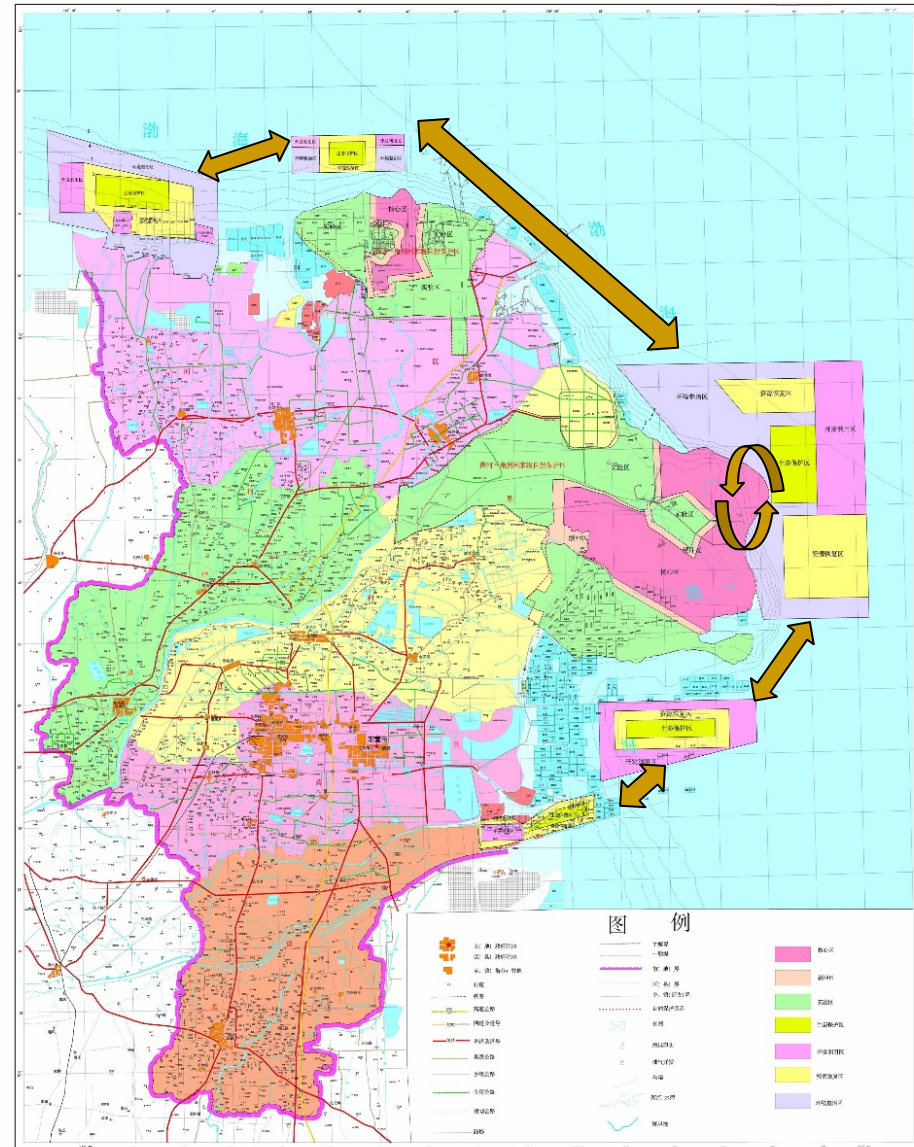
- Establish data: 2009
- Area: 83 km²
- Key protected object: clamwarm (*Perinereis aibuhitensis*), and their habitat



Marine protected area network

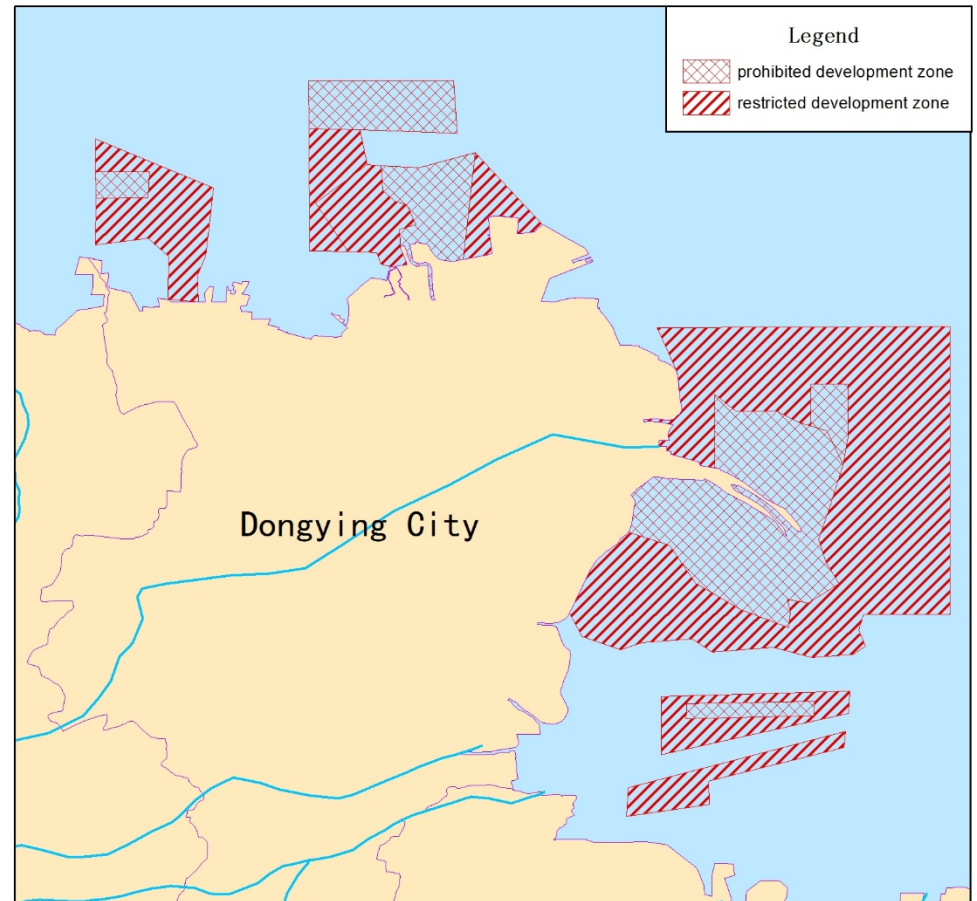
- Ecosystem integrity:
Protect all the important habitat of whole yellow river delta
- Ecosystem connectivity:
Establishment a migration pathway for marine organism

国家级保护区位置现状图



Red line for ecological protection

- The policy was putted forward in the communique of the Third Plenary Session of the 18th CPC Central Committee.
- In 2012, SOA finalized and announced the Bohai Sea Marine Ecological Red-line Zoning Plan
 - Prohibited development zone
 - Restricted development zone



THANKS

NO MARINE NO LIFE
NO BLUE NO GREEN

