

gustav / September 08, 2010 11:29AM

[\[Environment\] Extinct Fish Species Reappear in Regulated Danshui River](#)[Environment] Extinct Fish Species Reappear in Regulated Danshui River ([Chinese Version](#))

CNA, RTI, China Times E-paper & Now News (2010/09/07) Owing to the successive regulation measures, researchers confirmed the return of 11 species of fish that were previously extinct in Sindian (Xindian) River, which is found in Danshui River system, proving that the regulation is successful. According to the report released by Environmental Protection Administration (EPA), 38 species of fish are observed in Sindian River this year, 11 species more than the report last year. The number of fish species has made a new highest record. The observed species even include the monk goby (*Sicyopterus japonicus*), which can only be found in clean water, and culter alburnus and awaous ocellaris, which have disappeared for years in the river system.

Monk goby (Source: EPA)

Environmental Analysis Laboratory, EPA, points out, similar to what is being done in the United States and Europe, Taiwanese aqua researchers have been conducting toxicity tests to assess the level of acute hazardous waste in Taiwan's water since 1993. In recent years, more and more countries or areas in the U.S. and Europe turn to develop bio-toxicity test methods. The conception is to select sensitive species and put them in the exposure of the sample water. By observing the survival status, the micro-pollution in the sample can be identified. Because a single species usually responds to certain type of toxicant, the methods need to involve various species.

EPA-EAL chooses vertebrate – fish ( carp, parva and Freshwater minnow ), invertebrate – crustaceans (daphnia and brine shrimp), and vegetation – algae (chlorell), for toxicity test. The researchers put the small organisms in the water samples, in four days whether the samples are polluted can be determined by observing the survival status of the organisms.

EPA-EAL also points out, the natural water contains not only polluting toxicants but also persistent organics, environmental hormones, antibiotics and pesticides. The public concern with these substances and their unpredictable chronic hazard is increasing. EPA is not developing bio-methods targeting the issue, to shorten the testing period in 28 days. The finalization of the development and validation of these methods will be released in 2011.

Further Information:

[CNA 2010/09/07](#) (Chinese)

[CNA 2010/09/07](#)

[RTI 2010/09/07](#) (Chinese)

[China Times E-paper 2010/09/07](#) (Chinese)

[Now News 2010/09/07](#) (Chinese)

Edited 2 time(s). Last edit at 09/08/2010 11:31AM by gustav.

---