Gillnet Efficiency in Kraseio Reservoir, Suphanburi Province

Benchalak Plaitho*, Warunee Khansong and Danupon Pimpalai
Suphanburi Inland Fisheries Research and Development Centre

Abstract

Study of gillnet efficiency in Krasieo reservoir, Suphanburi province was conducted between October 2008 to September 2009. The results are summarized as follow.

There were 11 families with 24 species of fish. Cyprinids was the most dominant group (12 species). The average CPUE of gillnet was 6,236 g/100 m²/night and 679 ind./100 m²/night. The 20 mm mesh size gillnet was the highest catch efficiency (29,497 g/100 m²/night and 3,878 ind./100 m²/night). The upper and lower part of reservoir was the highest catch efficiency of 6,291 g/100 m²/night and 688 ind/100 m²/night. The winter was the highest catch efficiency (14,142 g/100 m²/night and 408 ind./100 m²/night).

The analysis of variance of catch per unit of efforts by weight and number showed that the catch efficiency had varied by mesh sizes and seasons significantly (p<0.01).

The result of catch selectivity found that 30 mm mesh size was the highest selectivity (20 species). 90 mm mesh size was the lowest selectivity (7 species). Parambassis siamensis was the highest catch efficiency at all sampling stations, seasons and mesh sizes gillnet.

Keyword: Gillnet efficiency, Kraseio reservoir

*Corresponding author: 8 Moo 5 Donphotong Sub-district, Muang District, Suphanburi Province, 72000
E-mail: untab@yahoo.com