

Abstract

This research is to study water quality in Amphawa Floating Market, Samut Songkram Province. Samples were collected during March to July, 2010, from eight locations. Samples were collected on a four floating market activity and no activity on the second day. This water samples was analyzed on the five physical parameters (temperature, salinity, turbidity odor and suspended solids) and fourteen chemical water quality (conductivity, pH, DO, BOD, ammonia – nitrogen, nitrate – nitrogen, FOG, phosphate – phosphorus, Cu, Ni, Mn, Zn, Cd and Pb). The research concluded that some of the water quality parameter were in accordance with natural conditions of surface water quality standard type 3. Therefore water quality in Amphawa canal can be use in consumer, but must be sterilized by appropriate mean before. However, this water quality is suitable for conservation of fish, fishing and swimming.

Keywords : Amphawa Floating Market, Water Quality