

# EVALUATION OF CURRENT STATUS AND ENVIRONMENTAL MOVEMENTS IN CONCENTRATED SHRIMP CULTURE AREAS

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## Summary

Summary and analysis of environmental monitoring results for shrimp farming areas nationwide have been recorded: During the period 2015 - 2018, the water environment for shrimp farming was in a local pollution situation. In the South, the percentage over the permissible limit of the TSS parameter is 95.0%; COD is 57.5%;  $\text{NO}_2^-$  is 48.3%;  $\text{NH}_4^+$  is 42.5%, alkalinity is 9.5%; DO is 4.0%. The South Central Coast has an alkalinity of 28.7%; COD is 17.0%; the salt level is 13.5%;  $\text{PO}_4^{3-}$  is 10.6%;  $\text{NH}_4^+$  is 3.2%. The North - North Central region has an alkalinity of 15.1%;  $\text{NO}_2^-$  is 9.3%; TSS is 6.1%; COD is 6.0%. During the period 2009 - 2018, shrimp farming areas across the country recorded pollution and an increasing in pollutant concentration in shrimp pond water. It is necessary to build effectively implement environmental protection solutions to sustainably develop concentrated shrimp farming. The results of this study is an important basis for developing environmental protection solutions towards sustainable development of concentrated shrimp farming.

**Keywords:** *Shrimp farming, current status, environmental fluctuations, control solutions, 2009-2018.*