STUDY ON DISTRIBUTION OF Vibrio sp.
IN PHANGNGA COASTAL AQUACULTURE AREAS

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Abstract

Study on distribution of Vibrio sp. in Coastal Aquaculture Ground in Phangnga province, were examined during October 1999 – September 2000. The result revealed that Marui canal of Tybput district, Bangtay canal of Maung district, Samchong canal of Takuatung district, Tublamu canal of Taymaung district, Numkhem canal of Takuapa district and Khura canal of Khuraburi district showed that the quantity of Vibrio average $2.81 \times 10^2$, $2.22 \times 10^2$, $5.59 \times 10^2$, $6.84 \times 10^2$, $6.68 \times 10^2$ and $4.52 \times 10^2$ cell/ml, respectively. Shrimp Hatchery area. Ao Tha Nun, Khao Pi Lai beach of Takuatung district, Taymaung beach of Taymaung district, Bangsak beach, Tubtawan beach and Numkhem canal of Takuapa district showed that the quantity of Vibrio average $2.73 \times 10^2$, $2.86 \times 10^2$, $7.42$, $9.24 \times 10^2$, $1.77 \times 10^2$ and $1.88 \times 10^3$ cell/ml, respectively. Fish cage culture area. Khok Khrai canal of Tubput district, Bangtay canal, Bangput canal of Maung district, Samchong canal of Takuatang district, Bo Darn canal of Taymang district And Khum Muang Khura of Khuraburi district showed that the quantity of Vibrio average $6.78 \times 10^2$, $5.27 \times 10^2$, $4.16$, $3.21 \times 10^2$, $5.78 \times 10^2$ and $6.62 \times 10^2$ cell/ml, respectively. Oyster and green mussel culture area. Bonsand canal of Tubput district, Ko Khiam Tai, Bangpat canal of Maung district, Samchong canal of Takuatung district, Ko Nok of Taymaung district, and Khum Muang Khura of Khuraburi district showed that the quantity of Vibrio average $1.40 \times 10^2$, $4.52 \times 10^2$, $1.44 \times 10^2$, $1.62 \times 10^2$, $1.22 \times 10^3$ and $3.76 \times 10^2$ cell/ml, respectively. It was concluded that quantity of Vibrio in natural water was not exceed the standard value.

Key words : Vibrio ; Coastal Aquaculture Areas , Phangnga