NOTICE OF PUBLICATION



AQUACULTURE & FISHERIES INNOVATION LAB

RESEARCH REPORTS

Sustainable Aquaculture for a Secure Future

Title: Current status and prospects of farming the giant river prawn *Macrobrachium rosenbergii*

(De Man) in Bangladesh

Author(s): Md Abdul Wahab¹, Sk Ahmad-Al-Nahid¹, Nesar Ahmed¹, Mohammad M Haque², and

Mahmudul Karim³

1. Department of Fisheries Management, Bangladesh Agricultural University, Mymensingh, Bangladesh

2. Department of Aquaculture, Bangladesh Agricultural University, Mymensingh, Bangladesh

3. Bangladesh Shrimp and Fish Foundation, Dhaka, Bangladesh

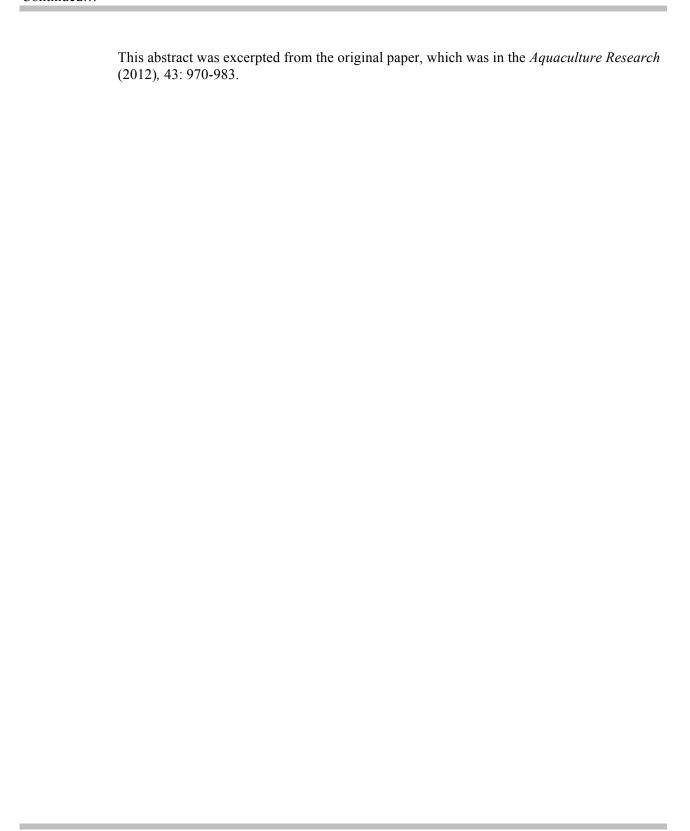
Date: 02 August 2017 Publication Number: AquaFish Research Report 12-A06

AquaFish will not be distributing this publication. Copies may be obtained by writing to the authors.

Abstract:

Giant river prawn (*Macrobrachium rosenbergii*) farming plays an important role in the economy of Bangladesh. Presently, it is cultured in around 50 000 ha area with total annual production of 23 240 t. Traditional extensive prawn farming has been expanding over the last three decades through the introduction and adoption of improved culture systems, such as culture of prawn-carps, prawn-shrimp-fish and prawn-fish-rice as concurrent and rotational systems. Efforts for the development of improved techniques on broodstock management, seed production and rearing and grow-out of prawn have been made over the last decade. The outcomes are low-cost feed for broodstock, production of post-larvae in net cages (hapa), all-male prawn culture, periphyton based prawn-tilapia culture, C/N based prawn culture, organic prawn farming, prawn-mola culture and prawn-carp-mola polyculture. Despite the development of culture technologies, a number of challenges for sustainable development of prawn farming need to be overcome to realize the potentials of this promising sector. Good aquaculture practices at all levels and application of measures for quality control and food safety would ensure sustainable development of prawn farming in Bangladesh.

AQUAFISH RESEARCH REPORTS are published as occasional papers by the Management Entity, AquaFish Innovation Lab, Oregon State University, Corvallis, Oregon 97331-1643 USA. The AquaFish Innovation Lab is supported by the US Agency for International Development under Grant No. EPP-A-00-06-00012-00. See the website at <aquafishcrsp.oregonstate.edu>.



AQUAFISH RESEARCH REPORTS are published as occasional papers by the Management Entity, AquaFish Innovation Lab, Oregon State University, Corvallis, Oregon 97331-1643 USA. The AquaFish Innovation Lab is supported by the US Agency for International Development under Grant No. EPP-A-00-06-00012-00. See the website at <aquafishcrsp.oregonstate.edu>.