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Sustainable Aquaculture for a Secure Future

Title: **Intensity of Freshwater Use for Aquaculture in Different Countries**

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Abstract: The intensity with which 172 countries use freshwater for aquaculture was estimated by dividing annual, freshwater aquaculture production (tonne/yr) by annual total natural renewable freshwater (km^3/yr). The freshwater aquaculture production:renewable freshwater ratio (AFR) varied among countries from 0 to 15,000 tonne/km^3. Country-level AFRs were assigned to AFR classes as follows: no freshwater aquaculture, 0 tonne/km^3; low, < 100 tonne/km^3; medium, 100-1,000 tonne/km^3; high, > 1,000 tonne/km^3. The number of countries in each AFR class follows: no freshwater aquaculture, 35; low, 80; medium, 45; high, 12. There seems to be adequate renewable freshwater to allow considerable expansion of freshwater aquaculture – especially outside of Asia.

This abstract was excerpted from the original paper, which was published in Better Science, Better Fish, Better Life: Proceedings of the Ninth International Symposium on Tilapia in Aquaculture (2011) [Edited By: Liu Liping and Kevin Fitzsimmons] pg: 68-74

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