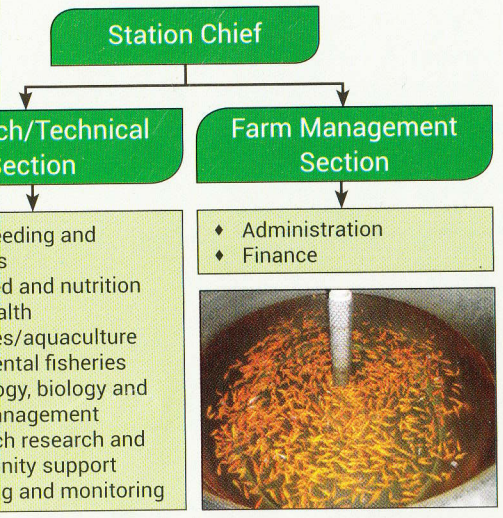
## -chemical characteristics of s 2016/017

| s | Phewa | Begnas | Rupa |
|---|---|---|---|
| nsl | 742 | 650 | 600 |
| | 523 | 328 | 135 |
| , $km^2$ | 110 | 20 | 30 |
| , m | 24 | 10 | 6 |
| re, °c | 16-30 | 16-31 | 14-28 |
| xygen, mg/L | 5.6 | 5.3 | 6.4 |
| | 8.2 | 8.1 | 8.0 |
| visibility, m | 2.5 | 1.9 | 1.2 |
| l a, µg/L | 6.7 | 10.5 | 8.6 |
| n-N, mg/l | 0.04 | 0.09 | 0.01 |
| rate -N, mg/l | 0.009 | 0.013 | 0.007 |
| (PO4), mg/l | 0.001 | 0.001 | 0.001 |
| phorus, mg/l | 0.004 | 0.003 | 0.004 |

## s Structure and Units

has been implementing the activities ing following sections and units for shment of the objectives. Major units under Pokhara are as follows:






## Physical Facilities

- Farm area at Begnas 8.5 ha, Phewa 1.3 ha and Rupa 0.1 ha. Main facilities of the Station are brood ponds, nursery ponds, experimental/raceway ponds, warm water and indigenous fish hatchery, feed house, training hall, office cum laboratory, fish collection sheds, pump house, guard house, residence houses, generator, Motor boat etc.

## Staff

- Presently altogether 44 staff categorized as scientific, technical and support staffs for working at the Station.

## Collaborators and Partners

- Agriculture and Forestry University (AFU)
- Institute of Agriculture and Animal Science (IAAS), Rampur (TU)
- Directorate of Fisheries Development, (DoFD), Department of Agriculture
- Metrocity Municipal Agriculture Development Offices
- Fisheries Development Centers (FDCs)
- Fisheries Research Stations (FRSs)
- Fish Entrepreneurs Association, Phewa and Begnas lakes
- Fisher's women groups, Phewa and Begnas
- Rupa Lake Restoration and Fisheries Cooperative
- Federation of Nepalese Chembers, Commers & Industries (FNCCI)
- Others: UNDP, FAO, JICA, ADB, NACA, IDRC, NTNU

**For further details:**


Government of Nepal
Nepal Agricultural Research Council
**Fisheries Research Station**
Pokhara Begnas
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Phone : 061-560089, 560825 (Begnas), 061-462004 (Phewa)
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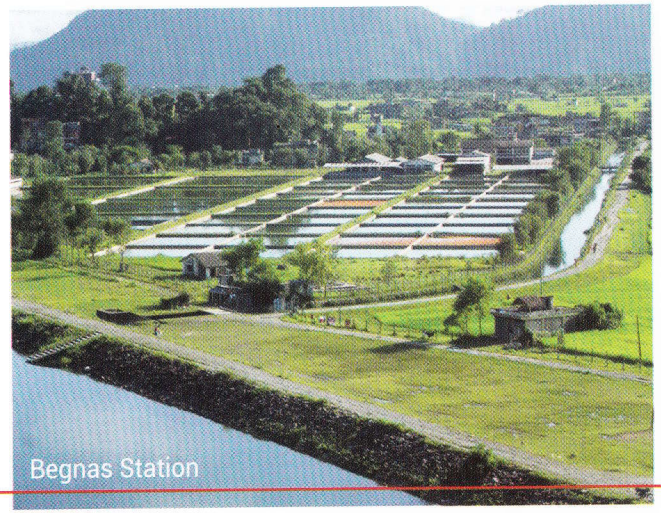
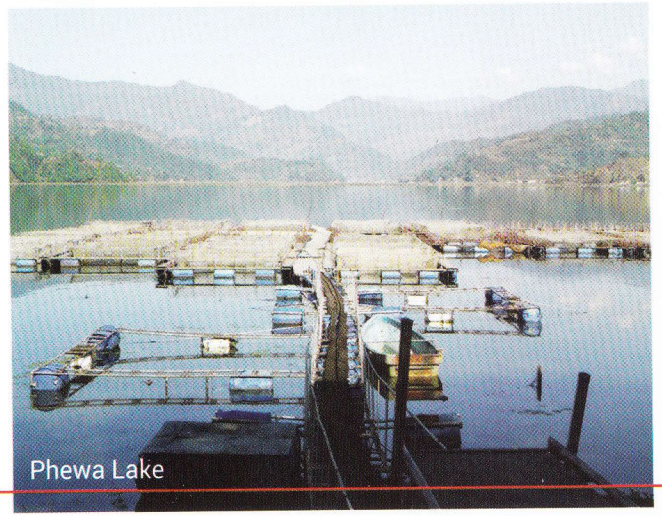
NPSN: 00622-435/2017/18

Government of Nepal
Nepal Agricultural Research Council

# FISHERIES RESEARCH STATION

Pokhara Begnas


Begnas Station


Phewa Lake

2074 (2018)

## Historical Background

- Established in 1962 as "Lake Development Centre" which was changed the name as Fisheries Development Centre in late 1960s
- In 1975 an "Integrated Fishery and Fish Culture Development Project (NEP/73/25)" was implemented under FAO/UNDP cooperation
- Later recognized as "Fisheries Research Station" with the name of "Agriculture Research Station (Fisheries), Pokhara in 1993 under Nepal Agricultural Research Council (NARC)
- Functioning as "Lake Fisheries Research Station" for aquatic and fisheries resources conservation and utilization
- Facilitated in expansion of cage fish culture and open water fisheries management in Nepal
- Continuing technical/resource support and services to pond/cage aquaculture farmers and fishers

## The Goal

Enhancement of fisheries/aquaculture contribution in national production and support to livelihoods, especially those of the wetland dependant rural poor

## Objectives

- Development of appropriate aquaculture technologies for improving production and productivity
- Development of appropriate inland water management and resource conservation technologies for supporting wetland dependent community

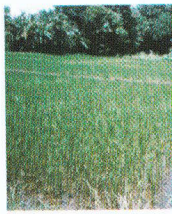
- Appropriate delivery of technical and resource services to the farmers/fishers community in western Nepal

## Thematic Area of the Programme

- Fisheries and aquaculture technology generation for poverty reduction and increased water productivity according to NARC policy guidelines
- Domestication of native fish species for use in aquaculture and genetic resource conservation
- Development/improvement of aquaculture technologies suitable for various natural water
- Research on fish stock improvement, nutrition and health of aquaculture species
- Research on modality of co-management of wetlands for sustainable conservation and utilization

## Working Areas and Activities

- Selective breeding to improve the stock performance of aquaculture species
- Development of small-scale and low level-input based fish farming for ultra-poor community
- Productivity assessment of pond/cage/enclosure/raceway/rice field to identify appropriate technology recommendation domain
- Implementation of research, more specifically in fish nutrition, physiology, genetics and pathology for developing intensive warm freshwater fish farming systems for commercially important native and exotic fish
- Environmental, social and economical impact of aquaculture technologies and fish farming system
- Water environment/water chemistry surv optimize the utilization of natural producti water resources into fish production
- Participatory fish stock enhancement for vulnerable native fish species in target water body
- Demonstration of fisheries co-management in lakes and stream



- On farm testing and verification of ge technology and scientific information in f field
- Technical support to warm and cold aquaculture

## Milestones

- Preparation of aquatic environment database Lakes of Pokhara valley,
- Development and scaling up of cage fish technology in lakes and reservoirs,
- Improvement and scaling up of low cost, sm rural aquaculture technology,
- Domestication and development of production tec of indigenous fish species (*Tor putitora, Labeo de*
- Feed formulation of carp for different deve stages,
- Standardization of carp seed production techn mid hill region of Nepal,
- Strengthening co-management model for lak conservation and utilization