

## Potential Areas of Assistance to Yangtze River, China

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### Basic Concept

- Measure water conditions upstream and downstream from the city.
- Measurements at point source locations suspected of major sources of pollution
- Remove trash and other debris along the river banks (*picture showing Trash Cleanup on World Water Day 2010*)
- Assist with educational program on protecting the rivers water quality
- Develop initial data base line for measuring future progress



### General Considerations

- Water quality
- Drainage pattern
- Nearby surface water bodies
- Flood plains

### Measurement parameters

- Dissolved Oxygen (DO)
- Water temperature
- pH
- BOD
- Total dissolved solids
- Conductivity
- Nitrate
- Phosphate
- Turbidity
- Occasional Coliform Count

### Identify local and national standards for water quality that apply to the river

- Water quality requirements based on water use
- Chemical and physical criteria for water constituents for particular water uses
- Non-degradation criteria
- Total daily maximum loads (tmdl)
- Effluent limitations

### Water Resource Planning

- Look into best management practices for municipal and industrial waste treatment
- Planning provisions for control of non-point sources
- Development of water quality planning and management programs
- Identification of Existing Regulations and Volunteer Programs

## Yangtze River Follow-up Programs

We visited Wuhan City, China in 2013 and conducted water testing and monitoring of the Yangtze River in Wuhan City and upstream at various points till Yichang, near 3-Gorges Dam, about 420 Kms west of Wuhan City.



A few pictures of water testing and monitoring during the visit are shown below.







After returning from the Yangtze water testing trip to Wuhan city, we visited with the Institute of Hydrobiology. They are conducting active research on protecting and saving the threatened Finless Porpoise in the Yangtze River.



ROW volunteers from Wuhan City also organized a river workshop at a local college on January 19th, 2013. There was overwhelming interest amongst the participants. A number of students, faculties, and recent graduates spoke at the event. A few pictures from the event are below..







Since 2010, our ROW team has been conducting the World Water Day (WWD) activities on the banks of Yangtze River, Tangxun Lake, Napa valley and Yun River in Anlu. WWD program is very successful in that area of China. From young children to highschool/college students and their parents and grandparents actively participates in the program. The recent report from WWD2016 is on our website, link below:

<http://www.rowfoundation.org/content/row/WWD-2016-CHINA-English-Report-March%202015.pdf>

The 2015 program is included in this report.



## 2015 Wuhan and Anlu trash pick-up activity

The March 22, 2015 riverside trash pick-up activity on the banks of the Yangtze River \ Tangxun lake Napa Valley in Wuhan \ Yun River in Anlu were complete success! The results were:

- 1、 A total of 427 university student and citizen volunteers attended the activity.
- 2、 We picked up about 800 kg of garbage.
- 3、 Garbage was picked up along the Wuhan Hankou Yangtze Riverside Park and along the Wuchang Yangtze Riverside Park, Tangxun Lake Tangxun lake Napa Valley, Yun River in Anlu of Hubei province.
- 4、 16 teams from local universities participated.

### 2015 Pictures

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