

## Lower Boise River Monitoring Options FY15

Highlighted area indicates recommended minimum ongoing monitoring effort in a given year.

| Cost     | Description  |
|----------|--|
| \$29,690 | Operate Water Quality Monitor at Parma (provides continuous water temperature, dissolved oxygen, specific conductance, and turbidity, and estimates of total phosphorus and suspended sediment concentrations and loads) |
| \$12,282 | Collect 6 samples per year at Parma (sediment, E. Coli, nutrients)   |
| \$34,392 | Project Management, minimal data interpretation  |
| \$24,359 | Sample a Tributary system: 5 sites 3x/yr, 1 site 12x/yr  |
| \$48,949 | Install and operate a streamgage and continuous monitor at a tributary site <b>(year 1)</b>  |
| \$37,949 | Operate a streamgage and continuous monitor at a tributary site <b>(year 2)</b>  |
| \$86,925 | Comprehensive report integrating water-quality and biological data over 20 yrs   |
| \$34,864 | Smaller scope water quality or biology report  |
| \$550    | Periphyton sample preparation, collection, analysis, and data processing (per site, per sample)  |
| \$76,363 | Total base cost of ongoing monitoring at Parma and project management  |
| \$30,545 | USGS Match   |
| \$45,818 | Cooperator Match   |

### Reporting Topics

WRTDS Modeling Results - Total Phosphorus in the Boise River near Parma

Trends in the Biological Community in the Boise River 1996-2011

20 years of Water-Quality and Biological monitoring in the Boise River 1994-2014

Tributary monitoring results: Eagle Drain and Dry Creek (similar monitoring effort to Mason Creek)