

Colorado River Watch Volunteer Memorandum of Understanding

Colorado Parks and Wildlife (CPW), River Science

And

_____ School/Group enter into an agreement for participation in the Colorado River Watch Program for the time period of:

07/01/2021 to 06/30/2022

Final participation will be determined annually by available resources, importance of data, and past performance based upon following criteria. Accepted participants will hereby receive products and services listed on List A, page 2.

In exchange for products and services on List A, Page 2, the named participating group or school above and its sponsor have reviewed the responsibilities and expected performance criteria on List B, Page 2. The participant acknowledges that the group or school and its sponsor(s) intend to meet the responsibilities and performance criteria, and understand that failure to meet performance criteria jeopardizes program eligibility in future years.

The water quality and computer equipment (if applicable) will remain in possession of the above named group or school as long as; 1) performance criteria (outlined in contract and Sample Plan) is satisfactory (determined by CPW/Earth Force) and 2) and/or the Colorado Parks & Wildlife in partnership with Earth Force sponsors the River Watch Program.

A. The above mentioned group or school will monitor the following station(s) at the following frequency (a minimum of one station sampled 12 times per year is required):

Station Name	Station #	River Name	Frequency # per year (circle one)
1.			Minimum 12 times per year station
2.			4, 12, 24, other_____
3.			4, 12, 24, other_____
4.			4, 12, 24, other_____
5.			4, 12, 24, other_____
6.			4, 12, 24, other_____
7.			4, 12, 24, other_____

B. Is any of the above station information different than we have on record from past sampling efforts (please circle as many as apply)?

Yes – station frequency

Yes – station name

Yes – station location

Yes - station name

Yes – Brand new location

Yes – River name

C. If you chose a sample frequency other than 12 times per year please explain:

SIGNATURES

Sponsor (print name)

River Watch Staff Member,

Date

Sponsor (signature)

Date

Principal or Proper Authority (signature)

Date

Sponsor Organization Mailing Address:

Sponsor Physical Mailing Address :

Sponsor Org Email and Phone Number

Sponsor Home Email and Phone Number

**Please return form with required signatures to
River Watch: 6060 Broadway, Denver CO 80216**

List A (Volunteer MOU page 2)

Participants receive:

1. Equipment, supplies listed in the River Watch Water Quality Sampling Manual.
2. Educational material, training and experiences regarding watershed health monitoring.
3. Site visit or site call, technical and general support.
4. Annual calendar notifying site visit date, nutrient and macroinvertebrate collection timeframe.
5. Opportunity for beginning and advance training and certified credits (teachers).
6. Annual Report Card and Performance Report and Export of quality assurance/control data.
7. Validated water quality, biological and physical data.
8. Supplies to collect and analyze field chemical, physical habitat and biological parameters.
9. Laboratory analyses of remainder of parameters.
10. Robust database application to enter data, retrieve results and meta-data exports, webpage for communication, group profiles, other links and resources regarding rivers, waters and associated issues.
11. Ongoing Information on water quality issues, including a newsletter. Webinars features and social media.
12. If requested and possible, water quality data will be made available within six months after submission of your samples.

List B

Performance Criteria:

1. Collect filtered and not filtered metal and field water quality samples approximately once a month per contract year at a minimum of one station and analyze samples for temperature, pH, dissolved oxygen, alkalinity and hardness.
2. Completion of two unknowns for alkalinity, hardness, pH per contract year.
3. Collect equivalent of a blank and duplicate metal samples every fifth sampling event (20% of all events, for one station that is every fifth sampling event or 3 per year, if 10 stations that is a 2 of each every monthly sampling date.
4. Ship metals a minimum of every other month, deliver or exchange metals (w/chain of custody) and complete and accurate datasheets.
5. Record data on datasheets, maintain copies of datasheets, enter data electronically quarterly via Internet and mail original copies to River Watch.
6. Collect bi-annual nutrient samples and ship samples within two days of collection (Mon-Wed only. DO NOT ship nutrients on Thur-Sat; they will get warm).
7. Collect annual macroinvertebrates (if you have equipment) and ship to River Watch along with your annual physical habitat assessment.
8. Mail quarterly signed volunteer time sheet (if not provided on Field data sheets).
9. Participate in annual site visit or site call via River Watch provided schedule.
10. Notify River Watch by submitting a waiver (hardship) form, email or phone as soon as practical if you cannot accomplish any of the above criteria, address performance issues (troubleshoot form).

Responsibilities:

1. Complete MOU each year between January and May to be eligible for next year, in July download new datasheets and Sample Plan from www.coloradoriverwatch.org
2. Use RW methods and equipment and take the time to learn how data is used and the value and function of a river ecosystem.
3. Inform River Watch of any change in activity status (equipment exchange): school e-mail address, Internet access, school name or address change, and station name, location or frequency changes.
4. Current sponsor must attend RW sponsored training and train others in RW protocols if relevant.
5. Provide access, if necessary, to the sampling locations.
6. Perform all sampling and analysis activities in a safe manner and following all provided protocols using only RW equipment.
7. Develop a safety plan per the Sampling Manual.
8. Inform River Watch if you decide to leave the program. It is your responsibility to arrange for the equipment (listed in the River Watch Water Quality Sampling Manual) to be returned to River Watch. Failure to inform River Watch of your departure from the program could lead to you/your organization being invoiced for the \$1800 worth of equipment we provide to you.

Each volunteer groups performance is evaluated annually based on the above criteria. Failure to complete (or make corrections if needed) may jeopardize your participation in the program. Your performance report is available on Coloradoriverwatch.org