

CLARK COUNTY STAFF REPORT

DEPARTMENT: Public Works / Clean Water Division / Outreach and Education

DATE: Feb. 27, 2018

REQUESTED ACTION: Approve Lower Columbia Fish Recovery Board – Clark County Clean Water Fund grant #17-03 to support the Student Watershed Monitoring Network database program.

Consent Hearing County Manager

BACKGROUND

The Clean Water Division partners with the city of Vancouver for the Student Watershed Monitoring Network, which works with Clark County schools to monitor stream health.

Since 2002, the county has been a partner in the monitoring network, which has reached more than 39,000 students since the program's inception. Students present their findings every spring at the Watershed Congress symposium.

This grant will be used to create a standardized online database program, FieldScope, for all water monitoring data collected as part of the Student Watershed Monitoring Network. FieldScope allows for chemical, biological and physical characteristics of local streams, ponds and wetlands to be stored and processed. The grant pays for staff time for the next two school years to train teachers, prepare materials, analyze monitoring results and create reports. The data will then be available to the program's partners, including Clark County, city of Vancouver and participating schools.

The county will contract with the Biological Sciences Curriculum Study, a non-profit organization based in Colorado Springs, Colo., to use the FieldScope database program. Providing an online real-time database for student monitoring data will help regional partners better understand stream health conditions, identify problems when they arise and create more partnerships to solve watershed health issues. The Clean Water Division also may use the database to shape its planning efforts.

COUNCIL POLICY IMPLICATIONS

This proposal will not affect or require changes to existing policy. The county will manage the grant and work with the city under an agreement the Board of County Councilors approved in January 2017 (Staff Report 008-17).

ADMINISTRATIVE POLICY IMPLICATIONS

This proposal supports the county's Stormwater Management Program to educate the public. The city of Vancouver's Water Resources Education Center is qualified to partner on this effort.

COMMUNITY OUTREACH

The monitoring network provides hands-on educational activities in local creeks, streams, wetlands and stormwater facilities. Teachers and students see first-hand how pollutants affect stream health. Students also will prepare presentations and propose projects and programs to improve stream health, based on the real-time data results, at the spring Watershed Congress.

PW18-037

BUDGET IMPLICATIONS

YES	NO	
X		Action falls within existing budget capacity.
	X	Action falls within existing budget capacity but requires a change of purpose within existing appropriation
	X	Additional budget capacity is necessary and will be requested at the next supplemental. If YES, please complete the budget impact statement. If YES, this action will be referred to the county council with a recommendation from the county manager.

BUDGET DETAILS

Local Fund Dollar Amount	N/A
Grant Fund Dollar Amount	\$91,500
Account	4420 Clean Water Fund
Company Name	Biological Sciences Curriculum Study

DISTRIBUTION:

Council staff will post all staff reports to Council Meetings, www.clark.wa.gov/thegrid/

Attachments: Lower Columbia Fish Recovery Board – Clark County Clean Water Fund grant #17-03




 Dean Boening
 Clean Water Division Manager



 Heath H. Henderson, PE
 Public Works Director/County Engineer

Primary Staff Contact: Jane Tesner Kleiner, ext.5267

APPROVED: 

 CLARK COUNTY, WASHINGTON
 CLARK COUNTY COUNCILORS

DATE: 2-27-15
 SR# 52-18



APPROVED: _____
 Jim Rumpeltes, Interim County Manager

DATE: _____

**LOWER COLUMBIA FISH RECOVERY BOARD
PROJECT AGREEMENT**

Project Name: Student Watershed Monitoring FieldScope	Project Number: 17-03
Project Sponsor: Clark County	Vendor #: 1834
Tax ID: 91-6001299	

I. PARTIES TO THIS AGREEMENT

This Project Agreement (Agreement) is entered into between the Lower Columbia Fish Recovery Board (LCFRB), 2127 8TH Avenue, Longview Washington, 98632 and Clark County (Sponsor) 1300 Franklin Street, Vancouver, WA 98660 and collectively referred to as the "parties".

II. PURPOSE OF THE AGREEMENT

This Agreement sets out the terms and conditions by which a grant is made from the Clark County Clean Water Restoration Fund, a dedicated general fund account. The grant is administered by the LCFRB to the Sponsor for the project named above per the director's authority granted in RCW 77.85.200.

III. PERIOD OF PERFORMANCE

The period of performance begins on January 15, 2018 (project start date) and ends on December 31, 2020 (project end date). No allowable costs incurred before or after this period is eligible for reimbursement unless specifically provided for by written amendment to this Agreement.

The Sponsor must request an extension of the period of performance at least 60 days before the project end date.

IV. PROJECT FUNDING

The total grant award provided by the LCFRB for this project shall not exceed \$91,500. The LCFRB shall not pay any amount beyond that approved for grant funding unless an additional amount has been approved in advance by the LCFRB administration and incorporated by written amendment into this Agreement. The Sponsor shall be responsible for all total project costs that exceed this amount. The matching share provided by the Sponsor shall be indicated below:

	Percent	Dollar Amount
Clark County Clean Water Restoration Fund – Local	27%	\$91,500
Sponsor Match	73%	\$252,776
Total	100%	\$344,276

The Sponsor agrees that funds received from the LCFRB can be expended for only public purposes and the Sponsor will keep identifiable financial and performance books and records of all funds received pursuant to this Agreement from the LCFRB detailing the receipts and expenditures of such funds; that these detailed accounting records shall be made available at all reasonable times to any county, state, or federal auditor, whose duties include auditing these funds.

V. REIMBURSEMENT OF COSTS

Invoices including match documentation may be submitted monthly or quarterly by the fifteenth (15th) day of the month to the LCFRB for work completed. All invoices and documentation for match must be itemized to reflect the following:

- Tasks performed;
- Employee, secondary sponsor employee or subcontractor assigned to task performed;
- Employee, secondary sponsor employee or subcontractor rate of pay (which includes employer paid benefits and other indirect costs); and
- Date and duration of work performed.

The Sponsor is responsible for providing cost allocation documentation for all employer-paid benefits and overhead rates.

Mileage and other travel-related costs such as lodging, meals and parking shall be documented on reimbursement forms and include copies of receipts for all expenses.

An administrative fee for secondary sponsors and subcontractor services shall not be added to the cost of invoices.

If agreed to in advance, and, in writing by the LCFRB, the Sponsor may invoice the LCFRB for additional charges incurred in the event of an unanticipated increase in project-related taxes, fees or similar levies; or if project-related services, facilities or equipment must be modified to comply with new laws or regulations or changes to existing laws or regulations that become effective after execution of this Agreement.

VI. RETAINAGE HELD UNTIL PROJECT COMPLETE

The LCFRB reserves the right to withhold disbursement of up to ten percent (10%) of the total amount of the grant to the Sponsor until the project has been completed. A project is considered "complete" when:

- All approved or required activities outlined in the Agreement are done;
- A final project report is submitted and accepted by the LCFRB;
- Any other required documents are complete and submitted to the LCFRB;
- A final reimbursement request is submitted and accepted by the LCFRB;
- The completed project has been accepted by the LCFRB; and
- Fiscal transactions are complete.

VII. ADVANCE PAYMENTS

There shall be no advance payments made to the Sponsor. Compensation shall be provided on a cost reimbursement basis.

VIII. PROGRESS REPORTING

The Sponsor will provide written quarterly progress reports. The report will summarize activities completed during the quarter, the current status of all tasks and percent complete, and the task budget and percent spent to date. The report shall identify problems encountered, their impacts to the schedule and budget and corrective actions taken or planned. The LCFRB will provide a progress report template to be completed and emailed to the LCFRB administration.

Reimbursement payments will be delayed if progress reporting is not current.

IX. RIGHTS AND OBLIGATIONS INTERPRETED IN LIGHT OF RELATED DOCUMENTS

All rights and obligations of the parties under this Agreement shall be interpreted in light of the information provided in the Sponsor’s application and the project summary under which the Agreement has been approved as well as documents produced in the course of administering the Agreement, including the eligible scope activities and tasks report incorporated herein by reference. Provided, to the extent that information contained in such documents is inconsistent with this Agreement, it shall not be used to vary the terms of the Agreement, unless those terms are shown to be subject to an unintended error or omission. This Agreement as used here and elsewhere in this document, unless otherwise specifically stated, has the meaning set forth in the definition of the General Terms and Conditions.

X. AMENDMENTS MUST BE IN SIGNED WRITING

Except as provided herein, no amendment/deletions of any of the terms or conditions of this Agreement will be effective unless provided in writing signed by both parties. Except, extensions of the period of performance and minor scope adjustments need only be signed by LCFRB administration, unless the consent of the Sponsor to an extension is required by its auditing policies, regulations, or legal requirements, in which case, no extension shall be effective until so consented.

Time extensions are up to the discretion of the LCFRB.

XI. COMPLIANCE WITH APPLICABLE STATUTES, RULES, AND LCFRB POLICIES

This Agreement is governed by, and the Sponsor shall comply with, all applicable state and federal laws and regulations, LCFRB published policies as of the effective date of this agreement, all of which are incorporated herein by this reference as if fully set forth.

XII. SPECIAL CONDITIONS

In documenting cost-share elements for volunteers, the Sponsor must provide dated event sign-in sheets with volunteers’ signature indicating hours of service.

XIII. AGREEMENT CONTACTS

The parties will provide all written communications and notices under this Agreement to the mail address or the email address listed below if not both:

Project Contact Dean Boening Clean Water Manager 1300 Franklin St. Vancouver WA 98666 dean.boening@clark.wa.gov	LCFRB Melody Tereski Program Manager 2127 8 th Ave Longview WA 98632 mtereski@lcfrib.gen.wa.us
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These addresses shall be effective until receipt by one party from the other of a written notice of any change.

XIV. ENTIRE AGREEMENT

This Agreement, with all amendments and attachments, constitutes the entire Agreement of the parties. No other understandings, oral or otherwise, regarding this Agreement shall exist or bind any of the parties.

XV. EFFECTIVE DATE

This Agreement shall be subject to the written approval of the LCFRB's authorized representative and shall not be effective and binding until the date signed by both the Sponsor and the LCFRB, whichever is later (Effective Date). Reimbursements for eligible and allowable costs incurred within the period of performance identified in *Section III. Period of Performance* are allowed only when this Agreement is fully executed and an original is received by the LCFRB.

The Sponsor has read, fully understands, and agrees to be bound by all terms and conditions as set forth in this Agreement. The signators listed below represent and warrant their authority to bind the parties to this Agreement.

Clark County
By: 

Date: 2-27-15


Name: Marc Boldt
Title: County Council Chair

Lower Columbia Fish Recovery Board

By: _____
Steve Manlow
Executive Director

Date: _____

Approved at to form only:


Prosecuting Attorney, Clark County



GENERAL TERMS AND CONDITIONS TO THE PROJECT AGREEMENT

1. Performance by the Sponsor

The Sponsor and secondary sponsor where applicable, shall undertake the project as described in this Agreement, the Sponsor's application, and in accordance with the Sponsor's proposed goals and objectives described in the application or documents submitted with the application, all as finally approved by the LCFRB. All submitted documents are incorporated by this reference as if fully set forth herein.

2. Assignment

Neither this Agreement, nor any claim arising under this Agreement, shall be transferred or assigned by the Sponsor without prior written consent of the LCFRB.

3. Responsibility for Project

While the LCFRB undertakes to assist the Sponsor with the project by providing a grant pursuant to this agreement, the project itself remains the sole responsibility of the Sponsor. The LCFRB undertakes no responsibilities to the Sponsor, a secondary sponsor, or to any third party, other than as is expressly set out in this Agreement. The responsibility for the implementation of the project is solely that of the Sponsor, as is the responsibility for any claim or suit of any nature by any third party related in any way to the project. When a project is sponsored by more than one entity, any and all sponsors are equally responsible for the project and all post-completing stewardship responsibilities.

4. Independent Capacity of the Sponsor

The Sponsor is an independent contractor under this Agreement. This Agreement gives no rights or benefits to anyone not named as a party to this Agreement, and there are no third party beneficiaries to this Agreement.

The parties intend that the Sponsor be an independent contractor, responsible for its own employer/employee benefits such as Workmen's Compensation, Social Security, Unemployment, and health and welfare insurance. The parties agree that the Sponsor personal labor is not the essence of this Agreement; that the Sponsor will own and supply its own equipment necessary to perform this Agreement; that the Sponsor will employ its own employees; and, that except as to defining the work and setting the parameters of the work, the Sponsor shall be free from control or direction of the LCFRB over the performance of such services.

The Sponsor represents that it is capable of providing the services identified in the scope of work.

5. Equal Opportunity Employment.

The Sponsor shall not discriminate on the basis of race, color, religion, sex, national origin, age, disability, marital or veteran status, political affiliation, or any other legally protected status in employment or the provision of services.

The Sponsor shall take affirmative action to ensure that employees are employed and treated during employment without discrimination because of their race, color, religion, sex, national origin, creed, marital status, age, Vietnam Era veteran status, disabled veteran status or disability. Such action shall include but not be limited to, the following: employment, upgrading, demotion, or transfer, recruitment or selection for training, including apprenticeships and volunteers.

The Sponsor shall not, on the grounds of race, color, sex, religion, national origin, creed, age or disability:

- (1) Deny an individual any services or other benefits provided under this Agreement.
- (2) Provide any service(s) or other benefits to an individual which are different, or are provided in a different manner from those provided to others under this Agreement.
- (3) Subject an individual to unlawful segregation, separate treatment, or discriminatory treatment in any manner related to the receipt of any service(s), and/or the use of the Sponsor's facilities, or other benefits provided under this Agreement.
- (4) Deny any individual an opportunity to participate in any program provided by this Agreement through the provision of services or otherwise, or afford an opportunity to do so which is different from that afforded others under this Agreement. The Sponsor, in determining (a) the types of services or other benefits to be provided or (b) the class of individuals to whom, or the situation in which, such services or other benefits will be provided or (c) the class of individuals to be afforded an opportunity to participate in any services or other benefits, will not utilize criteria or methods of administration which have the effect of subjecting individuals to discrimination because of their race, color, sex, religion, national origin, creed, age, or disability.

The Sponsor agrees to utilize minority-owned and women-owned businesses to the maximum extent possible in the servicing of this Agreement.

- 6. Noncompliance with Nondiscrimination Plan.** In the event of the Sponsor's noncompliance or refusal to comply with the above nondiscrimination plan, this Agreement may be rescinded, canceled or terminated in whole or in part, and the Sponsor may be declared ineligible for further Agreements with the LCFRB. The LCFRB shall, however, give the Sponsor reasonable time to cure this noncompliance. Any dispute may be resolved with the "disputes" procedure set forth herein.
- 7. Wage and Hour Compliance.** The Sponsor shall comply with all applicable federal and state provisions concerning wages and conditions of employment, fringe benefits, overtime etc., as now exists or is hereafter enacted during the term of this Agreement, and shall save the LCFRB harmless from all actions, claims, demands, and expenses arising out of the Sponsor's failure to so comply.
- 8. Subcontracts.** The Sponsor may use the services of a sub-contractors to perform a portion of its obligations under this Agreement however there shall be no markup on charges presented for these services. Sub-contractors are obligated to comply with the invoicing and reimbursement policies set forth in this Agreement.
- 9. Insurance.**
 - a. Insurance of the Sponsor.** The Sponsor will maintain throughout the performance of this Agreement the following types and amounts of insurance:
 - i. Worker's Compensation and Employer's Liability Insurance as required by applicable state or federal law.

- ii. Comprehensive Vehicle Liability Insurance covering personal injury and property damage claims arising from the use of motor vehicles with combined single limits of one million dollars and zero cents (\$1,000,000).
- iii. Commercial General Liability Insurance covering claims for personal injury and property damage with combined single limits of one million dollars and zero cents (\$1,000,000).
- iv. Professional Liability (Errors and Omissions, on a claims-made basis) Insurance with limits of one million dollars and zero cents (\$1,000,000).
- v. The Sponsor agrees to provide the LCFRB with evidence of liability insurance naming the LCFRB as an additionally insured party with respect to ii and iii above.

b. **Interpretation.** Notwithstanding any other provision(s) in this Agreement, nothing shall be construed or enforced so as to void, negate or adversely affect any otherwise applicable insurance held by any party to this Agreement.

10. Mutual Indemnification. The Sponsor agrees to indemnify and hold harmless LCFRB and its employees from and against any and all loss, cost, damage, or expense of any kind and nature (including, without limitation, court costs, expenses, and reasonable attorneys' fees) arising out of injury to persons or damage to property (including, without limitation, property of LCFRB, the Sponsor, and their respective employees, agents, licensees, and representatives) in any manner caused by the negligent acts or omissions of the Sponsor in the performance of its work pursuant to or in connection with this Agreement to the extent of the Sponsor's proportionate negligence, if any.

As part of this indemnity Agreement, the Sponsor specifically agrees to assume potential liability for personal injury claims by its own employees that may arise during LCFRB's performance under this Agreement, and the Sponsor hereby waives its immunity from such claims under RCW Title 51.

LCFRB agrees to indemnify and hold harmless the Sponsor and its employees from and against any and all loss, cost, damage, or expense of any kind and nature (including without limitation, court costs, expenses and reasonable attorneys' fees) arising out of injury to person(s) or damage to property (including, without limitation, property of LCFRB, the Sponsor, and their respective employees, agents, licensees and representatives) in any manner caused by the negligent acts or omissions of LCFRB or other(s) with whom LCFRB contracts ("LCFRB's agents") to perform work pursuant to or in connection with this Agreement, to the extent of LCFRB's or LCFRB's agents proportionate negligence, if any.

As part of this indemnity Agreement, LCFRB specifically agrees to assume potential liability for personal injury claims by its own employees that may arise during the Sponsor's performance under this Agreement, and LCFRB hereby waives its immunity from such claims under RCW Title 51.

11. Interpretation. Releases from, indemnifications against, limitations on, and assumptions of liability and limitations on remedies expressed in this Agreement shall apply even in the event of breach of Agreement or warranty, fault, or tort including negligence, strict liability, statutory or any other cause of action (except for willful or reckless disregard of obligations) of the party released or indemnified, or whose liability is limited or assumed, or against whom remedies are limited. Party, as used herein, includes the named parties, their officers, employees, agents, subcontractors, and affiliates.

12. Limitation of Liability. Notwithstanding any other provision in this Agreement to the contrary, the Sponsor's liability hereunder shall be limited as follows: (a) for insured liabilities arising out of the Sponsor's negligence, to the amount of insurance coverage specified in Article 9 above; (b) for

uninsured liabilities, to fifty percent (50%) of the fee earned by the Sponsor under this Agreement. In no event shall the Sponsor's liability exceed the aforementioned limits of liability.

Each party's liability for damages provided under this Agreement shall be limited to liability for direct damages and shall in no event include liability for the other party's or their respective agents or employees remote, punitive, consequential or indirect damages for lost profits, loss of use, lost opportunity, financing, interest expense, business interruption or productivity or production loss, regardless of the breach of Agreement, breach of warranty, tort (including negligence), strict liability, or otherwise.

13. Data, Documents and Records. The Sponsor shall be entitled to rely upon the accuracy and completeness of all data furnished by LCFRB to the Sponsor that is used by the Sponsor in providing services under this Agreement. All data, documents and records provided by the LCFRB shall be used and maintained solely for this project and shall be returned to the LCFRB at the completion of the Agreement. Data, documents and records provided by the LCFRB shall not be sold, transferred or used for any purpose other than completion of this project. The Sponsor shall have the right to retain one copy of such data for its permanent project records.

14. Ownership and Use of Documents and Electronic Media Deliverables. All completed reports and other data or documents provided or prepared by the Sponsor in accordance with this Agreement are the property of LCFRB, and may be used by LCFRB. Ownership shall transfer to LCFRB only if the Sponsor has been paid in full for services under the terms of this Agreement. Third party use of reports, data, or other deliverables prepared in accordance with this Agreement without the consent of the Sponsor is at the risk of the third party. LCFRB shall release, defend, indemnify and hold harmless the Sponsor from all claims, costs, expenses, damage, or liability arising out of or resulting from the use or modification of any reports, data, documents, drawings, specifications, or other work product prepared by the Sponsor except use by LCFRB on those portions of the project for which such items were prepared.

All data, reports, equipment and other materials purchased by the Sponsor in direct support of this project are the property of LCFRB and shall be transferred to the LCFRB.

Any post-delivery changes to the Sponsor electronic media or Geographic Information System ("GIS") deliverables by anyone other than the Sponsor shall be the responsibility of the LCFRB. LCFRB agrees to remove the title blocks off of the Sponsor's GIS files if LCFRB alters such files and further agrees to defend, indemnify and hold the Sponsor harmless from all claims, costs, expenses, damages or liabilities arising out of or resulting from use of any GIS deliverables that have been altered by LCFRB or anyone else to whom LCFRB may have provided such GIS deliverables. The Sponsor's record set of GIS files shall prevail in determining whether any alternations have been made to such files.

Because data stored on electronic media can deteriorate undetected or can be modified without the Sponsor's knowledge, LCFRB agrees that the Sponsor will not be held liable for the completeness, correctness, readability, or compatibility of the electronic media after an acceptance period of thirty (30) days after delivery of the electronic files. During the thirty (30) days acceptance period, LCFRB may review and examine the electronic files; any errors detected during this time will be corrected by the Sponsor as part of the basic Agreement. Any changes requested after the acceptance period will be considered additional services to be performed on a time and materials basis, at the Sponsor's standard cost plus terms and conditions.

15. Resolution of Disputes. The law of the State of Washington shall govern the interpretation of and the resolution of disputes under this Agreement. Venue for any action pursuant to this Agreement either interpreting the Agreement or enforcing a provision of the Agreement, or attempting to rescind or alter the Agreement shall be brought in Cowlitz County.

16. Termination for Cause: If the Sponsor fails to fulfill in a timely manner any of the covenants of this Agreement, the LCFRB shall have the right to terminate this Agreement by giving the Sponsor seven (7) days notice, in writing, of the LCFRB's intent to terminate and the reasons for said termination.

Upon termination for whatever reason, all finished and unfinished documents, data, studies, drawings, service maps, models, photographs and other work product resulting from this Agreement shall, at the option of the LCFRB, become the LCFRB's property. The Sponsor shall be entitled to payment for work completed and this Agreement shall terminate.

In the event the Sponsor is determined to be in default of this Agreement the LCFRB shall be entitled to damages, computed by subtracting from the cost to the LCFRB in completing any unfurnished work, the unpaid balance of the agreed upon Agreement price, and the LCFRB may withhold any payments owed to the Sponsor for the purposes of set off until such time as the exact amount of damages can be computed.

17. Termination for Convenience: Notwithstanding the term of this Agreement either party may terminate this Agreement without cause by giving the other party thirty (30) days written notice of said termination.

18. Non-Appropriations. If all or any part of the services to be performed hereunder are to be funded by revenues granted to the LCFRB from federal or state agencies and, in the event said grant monies should for any reason not be received by the LCFRB or should be terminated by the granting agency, then this Agreement shall terminate without damages to either party. PROVIDED THAT the Sponsor shall be entitled to be paid for the work performed satisfactorily completed and accepted by the LCFRB to date to the extent the LCFRB is entitled to receive reimbursement for any such payment; and, in that regard, the Sponsor agrees that it understands the LCFRB's source of funding for this project and assumes the risk involved in undertaking a project on a reimbursable basis.

19. Integration, Modification and Severability. This Agreement, including all amendments, shall be binding upon the parties and their respective successors and assigns. This is the entire Agreement between the parties, there are no other agreements or representations not set forth herein, and this Agreement incorporates and supersedes all prior negotiations, agreements, and representations. This Agreement may not be modified except in writing signed by an authorized representative of each party.

These terms and conditions survive the completion of the services under this Agreement and the termination of this Agreement, whether for cause or for convenience.

If any provision of this Agreement is ever held to be unenforceable, all remaining provisions will continue in full force and effect. The Sponsor and the LCFRB agree that they will attempt in good faith to replace any unenforceable provision with one that is valid and enforceable, and which conforms as closely as possible with the original intent of any unenforceable provision.

20. Incorporated Documents. The following exhibits and attachments are incorporated in this Agreement as if fully set forth herein:

ATTACHMENT A: Scope of Work including budget and deliverables, and as may be amended;

ATTACHMENT B: Sample Progress Report form.

21. Headings, Assignment and Waiver. The headings in this Agreement are inserted for convenience only and shall not constitute a part hereof. Neither party to this Agreement shall assign its duties and obligations hereunder without the prior written consent of the other party. A waiver by any party of any provision or a breach of this Agreement must be provided in writing and shall not be construed as a waiver of any other provision or any succeeding breach of the same or any other provisions herein.

**LOWER COLUMBIA FISH RECOVERY BOARD
STUDENT WATERSHED MONITORING FIELDSCOPE
SCOPE OF WORK**

Clark County will build upon the existing Student Watershed Monitoring Network (SWMN) of approximately 25 participating schools, 3,000 students and 50 teachers and parent chaperones. This grant will update data collection to include real-time online database management, FieldScope. Participants will collect and analyze data from stream sites in Gee Creek and Salmon Creek watershed and portions of the Washougal River within Clark County. Teachers will participate in two (2) training workshops on use of FieldScope. Schools will provide regular water monitoring data collection and analysis, interpret stream health information (at site- and watershed-scales) and connect observations to local land use and native fish populations. Monitoring data will be uploaded into the online program FieldScope so that data is available to regulatory agencies to track, analyze and to act on potential stormwater issues. Students will present data findings, analysis and potential stewardship projects that apply monitoring data to stormwater problem solving at the annual Watershed Congress in Vancouver.

TASKS

Task 1: Develop database, collection protocols and training for educators on stormwater data collection and database management.

- 1.1 Determine field site locations and data collection objectives and procedures for stream health.
 - **Outcome:** Monitoring sites are identified jurisdictional sites or close to the participating school.
 - **Outcome:** A written Quality Assurance Project Plan (QAPP) for field data collection and management based on the EPA's "Quality Assurance Template for Citizen Science Projects." The QAPP should be easily interpreted by educators and applied to all field site locations and data collection types (biological, chemical, and physical site metrics as well as photo points).
 - **Outcome:** Data collection procedures will align with the K-12 Next Generation Science Standards as appropriate.
- 1.2 Develop a centralized, online database (FieldScope) specific to the Clark County SWMN program.
 - **Outcome:** Online database is available to schools to enter data and compare biological, chemical, and physical site characteristics as well as photo points spatially (site- and watershed-scales) and temporally.
 - **Outcome:** All project information will be accessible to regulatory agencies and the public to review standardized and transparent stream health information via a project website and FieldScope.
- 1.3 Conduct two training workshops for all participating schools (at least thirty) (30) teachers on field data collection, FieldScope data entry and watershed-scale analysis.
 - **Outcome:** Teachers can independently upload field data into FieldScope and interpret site- and watershed-scale information (monitoring parameters).
 - **Outcome:** Increased teacher and student understanding of how upland urban, suburban, rural and agricultural land use can affect overall watershed health as well as water quality and quantity, fish and other biota, and aquatic habitat.

Task 2: Collect Level 1 stream health data and upload data in FieldScope.

- 2.1 All participating schools will collect stream health data using established field protocols at identified monitoring stations.
- **Outcome:** Field data are uploaded by schools throughout each academic school year, minimum of 20 schools.
 - **Outcome:** Online data is available for review and analysis by school users, including the creation of charts for trend analysis and project maps.
 - **Outcome:** A complimentary webpage will facilitate posting additional materials such as project documents, monitoring methods and QAPP, map of participating school and data results.
 - **Outcome:** Teachers, parent chaperones and students receive hands-on experience with field data collection which will increase their understanding of their local watersheds, fish and habitat relationships and land use effects on watershed health.

Task 3: Analyze Data and Develop Stewardship Projects

- 3.1 Clark County staff track data uploads, perform quality control, develops project reporting and supports schools throughout the grant period.
- **Outcome:** Uploaded field data are checked by Clark County staff for errors and anomalies in data sets.
 - **Outcome:** Schools will examine and analyze observed stream health patterns as well as cause and effect relationships between land use and stream, fish and other aquatic biota health.
 - **Outcome:** Where applicable, schools will review and discuss upland land use using watershed maps, other FieldScope data and jurisdictional monitoring data from nearby monitoring stations. Information will be related to observed water quality and quantity at their monitoring site(s).
- 3.2 Participating schools will present monitoring findings at annual Watershed Congress as well as potential stewardship projects that improve watershed health.
- **Outcome:** At least 20 schools will present the data collected and analysis of data to Watershed Congress, including comparison to other data sets (as applicable) to their waterbody.
 - **Outcome:** Where applicable, schools will develop and present potential future stewardship projects that could reduce stormwater run-off impacts to stream health and aquatic biota for their school or within their local community.
 - **Outcome:** Increased community understanding of local watershed health and stormwater issues, as well as actions to reduce stormwater run-off impacts on stream health and aquatic biota.

DELIVERABLES AND WORK PRODUCTS

1. Annual Monitoring and Stewardship Reports for Years 1 and 2. Annual reports will summarize work performed including:

- A list of participating schools, the number of classes and the numbers of students, parents, teachers and/or others who participated; the number of field site visits conducted and the number of students, parents and teachers who participated;
 - Representative samples of all teacher training materials, Quality Assurance Project Plan, map of sample site locations, and other relevant curricula and materials such as watershed maps or land use data;
 - Stream health reports will include data collection schedule and locations, any differences in QAPP versus implemented methods, site and watershed-scale status and trend information as well as potential relationships to upland land use and stormwater-run off; and
 - Stewardship project summaries for each participating school, as well as agenda and other representative materials from the annual Watershed Congress.
2. Final Monitoring and Stewardship Report summarizing worked completed during the grant period. The final report will include:
- Education: Provide details on the schools participating in the monitoring program, including completed dates and location of classroom and field site visits, number of participants, and all materials distributed;
 - Monitoring: Summaries of the monitoring data collected in both school years, observed status and trend watershed health information, and potential relationships to stormwater run-off and upland land use as developed in FieldScope and other supporting tools;
 - Stewardship Projects: List and summaries of developed stewardship projects, the number of implemented stewardship projects, and summary of annual Watershed Congress presentations; and
 - Lessons learned: For future work please provide a discussion on how you might improve the program. Please include examples of any unforeseen constraints, uncertainties and safety issues faced and suggested solutions for future work.

SCHEDULE

Task	Time Period
Year 1	
Identify participating schools	February 2018 – April 2018
Develop FieldScope database	February 2018 – May 2018
Develop data collection and data management protocols, teacher training materials, and stewardship project guidelines	March 2018 – August 2018
Host annual teacher training workshop	September 2018 – October 2018
Schools conduct data collection and FieldScope data uploads	September 2018 – May 2019
Present stewardship projects at Watershed Congress	May 2019
Year 1 Report	June 2019
Year 2	
Adapt training and program information	June 2019 – August 2019
Host annual teacher training	September 2019 – October 2019
Schools conduct data collection and FieldScope data uploads	September 2019 – May 2020
Present stewardship projects at Watershed Congress	May 2020
Year 2 Report	June 2020
Final Report	August 2020

BUDGET

Item Description	Project Total	Grant	Match
Clark County Sal/Ben	\$80,000	\$80,000	--
Vancouver Sal/Ben (WREC)	\$50,000	--	\$50,000
Materials and Supplies	\$7,000	\$7,000	--
Contract services	\$4,500	\$4,500	--
Volunteers	\$202,776	--	\$202,776
Indirect Costs	--	--	--
Total	\$344,276	\$91,500	\$252,776

**Lower Columbia Fish Recovery Board
Quarterly Progress Report**

Please provide quarterly progress reports for all tasks. The report will summarize activities completed during the quarter, the current status of all tasks and percent complete, and the task budget and percent spent to date. The report shall identify problems encountered, their impacts to the schedule and budget and corrective actions taken or planned. Progress reports should accompany all reimbursement requests.

Sponsor Name **Clark County**

Project Title **Student Watershed Monitoring FieldScope**

Quarterly Reporting (check one):

Jan-Mar 2017	<input type="checkbox"/>	Jan-Mar 2018	<input type="checkbox"/>	Jan-Mar 2019	<input type="checkbox"/>	Jan-Mar 2020	<input type="checkbox"/>
Apr-Jun 2017	<input type="checkbox"/>	Apr-Jun 2018	<input type="checkbox"/>	Apr-Jun 2019	<input type="checkbox"/>	Apr-Jun 2020	<input type="checkbox"/>
Jul-Sep 2017	<input type="checkbox"/>	Jul-Sep 2018	<input type="checkbox"/>	Jul-Sep 2019	<input type="checkbox"/>	Jul-Sep 2020	<input type="checkbox"/>
Oct-Dec 2017	<input type="checkbox"/>	Oct-Dec 2018	<input type="checkbox"/>	Oct-Dec 2019	<input type="checkbox"/>	Oct-Dec 2020	<input type="checkbox"/>

1. Description of work performed during the reporting period

2. Percentage of Work completed by task:

Task	% Complete	Is the task on schedule? (Yes/No) If No, complete #3 below
Identify participating schools		
Develop FieldScope database		
Develop data collection and data management protocols, teacher training materials, and stewardship project guidelines		
Host annual teacher training workshop		
Schools conduct data collection and FieldScope data uploads		
Present stewardship projects at Watershed Congress		
Year 1 Report		
Adapt training and program information		
Host annual teacher training		
Schools conduct data collection and FieldScope data uploads		
Present stewardship projects at Watershed Congress		
Year 2 Report		
Final Report		

3. For those tasks not on schedule please provide an explanation and how you expect to address the constraints and uncertainties.

4. Overall grant and match expended:

Cost Description	Budgeted amount	Expensed to date	Balance
Clark County Sal/Ben	\$80,000		
Vancouver Sal/Ben (WREC)	\$50,000		
Materials and Supplies	\$7,000		
Contract services	\$4,500		
Volunteers	\$202,776		
Indirect Costs	--		
Total	\$344,276		