

Request for Proposal (RFP)

Sprague River Watershed Nutrient Assessment to Support Restoration Planning (5-year update)

Klamath Tribes Aquatic Resources Department

RFP # 209ARD1-SRWatershedNutrientAssessment5-yr

Introduction:

The Aquatic Resources Department is requesting proposals from interested parties to compile and analyze hydrologic and nutrient loading data from the Sprague River collected by the Klamath Tribes from 2015 through 2019 to document long-term trends and assess impacts to tribal trust resources using statistical and graphical analyses.

A. Scope of Work:

The Klamath Tribes have a responsibility to restore and steward tribal treaty resources in the Upper Klamath Lake watershed including a variety of fish species like redband trout, Lost River suckers, and shortnose suckers. The populations of these species have declined and their habitat has been degraded due to decades of poor water and land use practices. Upper Klamath Lake, an important habitat for these species experiences poor water quality conditions every summer that are stressful and lethal to fish. Poor water quality including high pH, low dissolved oxygen, and high un-ionized ammonia result from large blooms and crashes of cyanobacteria. Excessive nutrient and sediment loading from the watershed and recycling from the lake sediments fuels the cyanobacteria blooms. Since the ultimate source of these nutrients are derived externally from UKL watershed areas, including the Sprague River, an understanding of watershed nutrient dynamics is essential for protection of the Klamath Tribes' fishery resources as well as public health.

The Klamath Tribes have maintained a network of Sprague River longitudinal monitoring stations since 2002. A previous effort incorporated data for the 2002-2014 period, since which the Klamath Tribes have continued to monitor water quality and nutrients at the eight sampling locations, and an additional 5 years of data will be available (2015-2019). Updating the water quality and nutrient loading dynamics at a minimum of 5-year intervals is essential for 1) determining the response to watershed P reduction efforts, 2) determining long-term trend analyses in nutrients and water quality, and 3) for guiding further water quality restoration efforts. The approach will be similar to that of the previous Sprague River analysis of nutrient dynamics (Walker et al. 2015) and will update spatial and temporal nutrient loading dynamics by incorporating the additional 5-years of data from 2015 to 2019. Analyses will include monthly, seasonal, yearly, and multi-year time intervals, evaluation of time-series trends in flow, nutrient load, and concentrations for each station and sub-watershed.

Task 1.

Compile all relevant concentration and flow data for Sprague River from 2002-2019. This includes any synoptic data for springs, seeps and miscellaneous tributaries. This also includes the major parameters: TP, SRP, TN, NO₃, NH₄, turbidity, TSS, and SSC.

Task 2.

Develop daily time series of concentration and load for all major stations and parameters using appropriate flow-based algorithms that incorporate seasonal trends. The approach used by Walker et al. (2015) will be utilized for the additional years of data.

Task 3.

From the above generated time-series data determine the inter-annual and seasonal trends (generally monthly) in the concentration and load of major nutrient parameters at inflow and outflow stations.

Task 4.

Provide a trend analysis using both nonparametric (e.g., seasonal Kendall test) and parametric (e.g., linear trend analysis) statistical techniques to determine the time-series trajectory in both nutrient concentration and load at the Sprague River stations for the 18-year period from 2002-2019.

Task 5.

Parse out watershed loading and unit area export for various reaches of the Sprague River system. In reaches where the majority of agriculture occurs in the floodplain an attempt will be made to determine the land-use percentage within the floodplain or valley floor as opposed to the entire watershed. This has the potential to provide a more accurate representation of areas to target for restoration; especially when a specific watershed may be large but areas away from the valley floor may be upland areas that are relatively un-impacted. In such cases the computed unit area loads may be deceptively low. Results will be reported on a kg/km² basis. North Fork and South Fork stations at Ivory Pine will also be included, but for a fewer number of years. GIS loading maps will be included for this task.

Task 6.

Using the daily flows and loads, detailed flow-weighted-mean concentrations will be calculated for headwater areas to refine background loading. To the extent possible, loading from various springs and smaller tributaries will also be included.

Task 7.

The cumulative impacts of anthropogenic inputs along each tributary will be determined and discussed specifically with respect to targeted restoration activities.

Task 8.

Results will be presented in a technical written report format that will be similar to Walker et al. (2012).

Task 9.

Results will be summarized in a brief laymen version report with visual presentations for a wider non-technical audience.

B. Quality Requirements:

The Klamath Tribes and Aquatic Resources Department will award contracts to responsible prospective contractors who have the ability to perform successfully under the terms and conditions of the proposed contract. In determining the responsibility of a party, the Aquatic Resources Department will consider such matters as the party's

- Integrity;
- Compliance with public policy;
- Record of past performance;
- Financial and technical resources

Required.

1. Must have minimum of 5 years work experience in related field of Aquatic Ecology.
2. Must have an advanced Degree or certification in Environmental Science or related field.
3. Must provide resume or job qualification papers showing 5 years of experience in field.
4. Must provide 3 references for the last 2 relevant jobs completed (Name and numbers).
5. Must not be debarred or suspended from doing business with the federal government.

Preferred or If Applicable

1. Provide Federal ID#, Social Security or TIN # and State Registry# or equivalent.
2. Provide certificate of insurance for general liability. If selected, party will be required to provide information at time of contract signing.
3. Must provide Indian Enterprise Qualification Statement to claim Indian preference. (if applicable)
4. It is preferable if the party is registered with the System for Award Management (sam.gov).

C. Evaluation Factors and Scoring:

1. Selection Procedures: The Klamath Tribes' Administration utilizes this formal advertising of Request for Proposals to award to the most highly rated proposal subject to negotiation of fair and equitable compensation. All timely responses to this RFP will be considered. Klamath Tribes' Administration reserves the right to reject any and all proposals based on documented reasons including determining any or all proposals to be non-responsive.
2. Method of Review: The Klamath Tribes' Administration and its authorized representatives will review all proposals received and may contact the party to request further information. The Klamath Tribes' Administration may accept any given RFP as submitted or may negotiate with the party to establish terms most advantageous to the Tribes. The decision of the Klamath Tribes' Administration shall be final and not subject to appeal.
3. Method of Scoring: All proposals received on time will be evaluated and scored as follows:
 - a. (0-45 points) Proposal Preparation and Requirements. The contractor must demonstrate in detail the ability to carry out each requirement from the Scope of Work Tasks 1 through 9.
 - b. Section (0-20 points) Request for Qualifications: The contractor must provide required/preferred information for job qualifications.
 - c. (0-25 points) Cost: Contractor must submit a detailed budget, including costs, time, materials and travel, and other expenses. Points will be based on formula method, if possible.
 - d. (0-10points) References: A record of integrity, judgment, performance and timeliness in the execution of previous jobs will garner higher points.
 - e. Indian preference: At minimum 15% of the evaluation points shall be granted to bidders who demonstrate entitlement to Indian Preference, which points shall not be available to non-Indian bidders when using Method #3 of the Klamath Tribes Procurement Policy.
 - f. In the case of duplicate proposals the earliest postmarked envelope will be awarded unless otherwise advised in writing by the applicant that the later proposal is the appropriate one to review.

100 TOTAL POINTS POSSIBLE (without Indian Preference)

D. Instructions for Submitting Proposals:

1. Return proposal in an envelope clearly marked according to the following instructions below. One original and two (2) copies must be submitted. Alternate proposals will not be accepted.

2. Sealed Proposal can be submitted in person, through US Postal Service, or by ground delivery to:

The Klamath Tribes
Administration Office
Attention: Jackie Galbreath, Purchasing Agent
P.O. Box 436
501 S. Chiloquin Blvd.
Chiloquin, OR 97624

3. Do not submit RFP by email or Fax.

4. On outside of sealed envelope write:

RFP #209ARD1-SRWatershed NutrientAssessment5-yr and individual or company name

5. Questions on the RFP can be directed to Mark Buettner at (541)783-2219, ext. 227, or email mark.buettner@klamathtribes.com

6. Schedule of RFP activities:

- 07/22/2020 Advertise RFP
- 07/27/2020 4:00 pm Deadline for questions regarding RFP.
- 07/31/2020 4:00 pm Closing Date for RFP to be submitted via method outlined above.
- 08/03/2020 10:00 am Opening and review of RFP's submitted on time.

E. Closing/Opening Date and Time and Method of Solicitation:

1. Proposals will be accepted at the address above up to **4:00 p.m. on Friday, July 31, 2020**. All timely responses to this RFP will be considered. The Klamath Tribes reserve the right to reject any and all proposals including those proposals received after the closing date and time. If, at the time of the scheduled bid closing date, Klamath Tribes Administration is closed due to uncontrolled events or administration closures, bids will be accepted until 4:00 p.m. on the next normal business day.

2. Proposals will be opened at 10:00 a.m. **on Monday, August 3, 2020** at the Klamath Tribal Administration office, 501 S. Chiloquin Blvd., Chiloquin Oregon. If, at the time of the scheduled bid opening date, Klamath Tribes Administration is closed due to uncontrolled events or Administration closures, bids will be opened at 2:00 p.m. on the next normal business day.

3. This RFP has been published by:

	Publication in a Newspaper of general circulation
X	Direct solicitation of proposals from an adequate number of known sources
X	Klamathtribes.org

F. Indian Preference:

1. To the greatest extend feasible, preference and opportunities for training and employment shall be given to Indians, and preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned economic enterprises.

2. Certain federal laws allow for the application of a Tribal-specific preference, and where those laws apply the Tribes will provide preference for Klamath Tribal members or businesses owned by Klamath Tribal members.
3. Preference and opportunities for training and employment in connection with the administration of these activities shall be given to Indians and Alaskan Natives.
4. The Klamath Tribes Procurement Policy shall be followed for any individual/firm claiming Indian Preference.

G. Provisions:

1. All contractors must observe the Klamath Tribes' Indian preference policy as set forth in the Klamath Tribes Procurement Policy.
2. The Klamath Tribes shall conduct all procurement transactions in a manner that provides fair and open competition.
3. The Klamath Tribes shall provide fair and equitable treatment for all persons or firms who are in the business of supplying goods and services.
4. The Klamath Tribes wish to assure that supplies, services, and construction are procured efficiently, effectively, and at the most favorable prices available.
5. The Klamath Tribes shall take reasonable affirmative steps to assure that DBE's, WBE's and MBE's are used when possible but without infringing on Indian preference where Indian preference is applicable.
6. The Klamath Tribes shall not use federal grantor funds to do business with any entity who is disbarred in accordance with the Federal Government Disbarment list.
7. Request for Proposals may be terminated by The Klamath Tribes' Administration at any time for cause.
8. Each party submitting a proposal is certifying that he/she has not colluded with any other person, firm or corporation in regard to securing the services being solicited.
9. No employee, officer, or agent of the Klamath Tribes may solicit or accept gratuities, favors, or anything of monetary value from contractors, potential contractors, or parties to subcontractors.
10. Negotiation: Provisions not addressed by this solicitation will be negotiated with the professional once a selection has been made.
11. Agreement: The selected professional will comply with Klamath Tribes Procurement Policies.