

Request for Proposal (RFP)
Evaluation of Water and Nutrient Balances for the Upper Klamath Lake Basin in Water
Years 1992-2018 (8-year Update)
Klamath Tribes Aquatic Resources Department
RFP # 207ARD1-EvaluationWaterNutrientBalancesUKLB

Introduction:

The Aquatic Resources Department is requesting proposals from interested parties to compile and analyze hydrologic and nutrient loading data from tributaries to Upper Klamath Lake collected by the Klamath Tribes from 2011 through 2018 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.

Nutrient load reduction activities in the watershed and lake level management have been implemented over the last 25 years to address Upper Klamath Lake water quality and endangered sucker survival. The Klamath Tribes have been monitoring water quality in Upper Klamath Lake since 1990 and major tributaries since 1992 to document water quality conditions and assess trends over time. Water quality data have been described and summarized to varying degrees in a series of report and manuscripts including annual water quality summary reports.

There are now 8 years of data (2011-2018) that need to be incorporated into long-term nutrient and hydrologic balances essential for determining the lake response to watershed efforts to reduce phosphorus, including the relationship between inflow loads and in-lake and outflow nutrients, algal biomass and water quality parameters that are tied to algal biomass such as pH. In addition, updated results from the balances allow for refinement in previous water quality modeling efforts undertaken by USGS and others, as well as for long-term trend analyses.

Task 1.

Compile all relevant data (nutrient concentration, flow, water level, precipitation, evaporation) for tributaries, agricultural areas, lake, and lake outflow to develop monthly time series for flow, load, and flow-weighted-mean concentration (FWM) at watershed sites and components of the overall lake nutrient balances (inflow, outflow, storage, net retention).

Task 2.

Update the previous hydrologic and nutrient balances for UKL using the above generated time-series data and summarize at monthly, seasonal, yearly, and multi-year time intervals. The method used to generate daily nutrient time-series is a combined regression/interpolation algorithm as described in Walker et al. (2012).

Task 3.

Provide tabular and graphical analyses of inter-annual and seasonal variations in TP and total nitrogen (TN) loading for inflow and outflow stations, and for storage and net retention of nutrients in the lake. These will include uncertainty

analyses similar to those provided in Walker et al. (2012).

Task 4.

Summarize seasonal and annual variations in concentrations of nutrient species (TP, SRP, TN, NH₄-N and NO₃-N) at major tributary monitoring sites.

Task 5.

Perform trend analyses using both nonparametric (seasonal Kendall test) and parametric (linear regression) statistical techniques to evaluate time-series trajectories in the flow volumes, total nutrient loads, and FWM concentrations associated with each individual source and component of the lake mass balances over the 24-year period of record.

Task 6.

Where possible provide empirical models (multiple linear regression and other appropriate multivariate techniques) that describe the relationships between inflow loads and in-lake and outflow concentrations. Such models can include inflow nutrient load, water load, lag time between inflow and outflow timing, hydraulic retention time, among others.

Task 7.

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

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 email or telephone).
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 7.
 - 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. (0-10 points) 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.

3. Do not submit RFP by email or Fax.
4. On outside of sealed envelope write:
"207ARD EvaluationWaterNutrientBalancesUKL" 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 # 2005ARD1-WaterQualityDataUKL
 - 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 03, 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.