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August 5, 2003

MEMORANDUM

TO: Council Members

FROM: Lynn Palensky

SUBJECT: Kootenai Subbasin (Idaho Portion) Contract Amendment

Proposed Action

Staff recommends the Council authorize the Executive Director to negotiate an amendment to contract SSIM31b with the Kootenai Tribe of Idaho to supplement the development of the Idaho portion of the Kootenai Subbasin assessment. The attached proposal outlines the additional work to be completed for Component 2 (Assessment) of the original contract. The existing contract is for \$150,000. The proposed amendment will increase the budget by \$50,000 for a total project cost of \$200,000.

Background

The Idaho Level II group designated the Kootenai Tribe of Idaho as the lead entity for the Idaho portion of the Kootenai Subbasin. Because the assessment methodology for sturgeon and burbot was not available when the planners began the subbasin planning assessment, additional tasks are now being added that necessitate the need for additional technical funding. The funding for this budget increase will come from Idaho Level II technical funds. *The proposed amended statement of work and budget, which have been sent to you electronically, are available on the Council's website at <http://www.nwcouncil.org/Default.htm>.*

Proposed Schedule and Budget

The proposed budget increase will not exceed \$50,000. This contract amendment would not change the existing contract expiration date of January 18, 2004.

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Kootenai Tribe of Idaho
Kootenai Subbasin Contract SSIM31b
Amended August 2003
For Kootenai River White Sturgeon and Burbot

Introduction

As an integral component of the NWPPC's (Council) Subbasin Planning efforts for the Kootenai River Subbasin, Subbasin Assessments for native Kootenai River white sturgeon (*Acipenser transmontanus*) and burbot (*Lota lota*) will form the scientific and technical foundation for developing subbasin vision, objectives and strategies for these important focal species.

The Subbasin Assessment is based on a regionally developed assessment template. The Council has developed an analytical model (Ecosystem Diagnosis and Treatment, EDT) to complement this template for use in subbasin planning activities. However, due to structural mismatches between EDT and ecological characteristics of landlocked resident fishes in the Kootenai River (white sturgeon and burbot), SPCA will employ and modify an analogous, Council-approved approach (Quantitative Habitat Assessment, QHA) to achieve the same Subbasin Planning and Assessment goals. The QHA methodology is currently being refined and applied to numerous subbasin planning and assessment activities among various Columbia Basin Ecological Provinces, and will serve as an effective model to quantify and complete these activities.

Statement of Work

SPCA will perform the following tasks, consistent with the Council's Subbasin Assessment Template, resulting in Subbasin Assessments for Kootenai River white sturgeon and burbot. Task 1 provides a brief subbasin overview, Tasks 2 through 5 provide the main content of the Assessment, and Task 6 synthesizes, interprets and reports the findings of the first five tasks. Task 7 provides input into a modified QHA model to perform Subbasin Assessments in lacustrine systems within the subbasin. Task 8 provides written responses to ISRP review comments on the Kootenai Subbasin white sturgeon and burbot assessments.

Task 1: Provide a brief subbasin overview, including general description and regional context.

The following tasks will be performed separately (combined where appropriate) for Kootenai River white sturgeon and burbot:

Task 2: Perform and provide focal species characterizations and status reviews.

This task will address background data and information, focal species selection, and population delineation and status.

Task 3: Assess and document environmental conditions, including subbasin habitat conditions, potential out-of-basin effects, and environmental-population relationships.

Task 4: Assess and document ecological relationships and important linkages, including interspecific relationships and ecological processes and functions.

Task 5: Characterize ecological limiting factors and conditions.

Task 6: Synthesize, interpret, and report findings from Tasks 1-5.

This task will produce a written synthesis of findings, working hypotheses, and species abundance and productivity metrics. This task will also provide desired future conditions, and will present and discuss emerging opportunities and challenges.

Task 7: Contribute to design and implementation of QHA model appropriate for lake and reservoir assessments.

Modification of the QHA model is required to perform Kootenai Subbasin assessments in lakes and reservoirs within the subbasin.

Task 8: Prepare and submit response to ISRP review comments on Kootenai Subbasin Assessments for white sturgeon, burbot, and the Kootenai Subbasin Plan.

This task allows for necessary preparation and submission of responses to the ISRP review of the Kootenai Subbasin Assessment for white sturgeon, burbot and associated Subbasin Plan issues.

Budget detail for assessments for sturgeon and burbot for Kootenai Subbasin planning.

Kootenai Subbasin White Sturgeon Assessments

Personal Services			
	Hourly Rate	Estimated Hours	TOTAL
1. Subbasin overview			
Senior Fisheries Consultant 1	108.5	2	217
Senior Fisheries Consultant 2	99.66	4	399
Subtotal			616
2. Focal species status review			
Senior Fisheries Consultant 1	108.5	4	434
Senior Fisheries Consultant 2	99.66	16	1595
Subtotal			2029
3. Assess environmental conditions			
Senior Fisheries Consultant 1	108.5	6	651
Senior Fisheries Consultant 2	99.66	24	2392
Subtotal			3043
4. Assess ecological relationships			
Senior Fisheries Consultant 1	108.5	6	651
Senior Fisheries Consultant 2	99.66	24	2392
Subtotal			3043
5. Characterize limiting factors			
Senior Fisheries Consultant 1	108.5	6	651
Senior Fisheries Consultant 2	99.66	24	2392
Subtotal			3043
6. Synthesis and reporting			
Senior Fisheries Consultant 1	108.5	15	1628
Senior Fisheries Consultant 2	99.66	40	3986
Subtotal			5614
7. Develop LQHA			
(Lacustrine QHA Model)			
Senior Fisheries Consultant 1	108.5	15	1628
Senior Fisheries Consultant 2	99.66	20	1993
Subtotal			3621
8. Address ISRP comments			
Senior Fisheries Consultant 1	108.5	5	543
Senior Fisheries Consultant 2	99.66	25	2492
Subtotal			3034
Personal Services Subtotal - White Sturgeon			24041

Kootenai Subbasin Burbot Assessments

Personal Services			
	Hourly Rate	Estimated Hours	TOTAL
1. Subbasin overview			
Senior Fisheries Consultant 1	108.5	2	217
Senior Fisheries Consultant 2	99.66	4	399
Subtotal			616
2. Focal species status review			
Senior Fisheries Consultant 1	108.5	4	434
Senior Fisheries Consultant 2	99.66	16	1595
Subtotal			2029
3. Assess environmental conditions			
Senior Fisheries Consultant 1	108.5	6	651
Senior Fisheries Consultant 2	99.66	24	2392
Subtotal			3043
4. Assess ecological relationships			
Senior Fisheries Consultant 1	108.5	6	651
Senior Fisheries Consultant 2	99.66	24	2392
Subtotal			3043
5. Characterize limiting factors			
Senior Fisheries Consultant 1	108.5	6	651
Senior Fisheries Consultant 2	99.66	24	2392
Subtotal			3043
6. Synthesis and reporting			
Senior Fisheries Consultant 1	108.5	15	1628
Senior Fisheries Consultant 2	99.66	40	3986
Subtotal			5614
7. Develop LQHA			
(Lacustrine QHA Model)			
Senior Fisheries Consultant 1	108.5	15	1628
Senior Fisheries Consultant 2	99.66	20	1993
Subtotal			3621
8. Address ISRP comments			
Senior Fisheries Consultant 1	108.5	5	543
Senior Fisheries Consultant 2	99.66	25	2492
Subtotal			3034
		236	
Personal Services Subtotal - Burbot			24041

Total Personal Services		48083	
(white sturgeon and burbot)			
Travel		1908	
Travel to Kootenai Subbasin Meetings			
Subbasin Coordination Mtgs			
Presentation at KVRl Mtg			
	Miles	Rate	Unit Cost
Senior Fisheries Consultant 1			
Flight Portland-Spokane			600
Car rental Spokane Bonners Ferry			239
Lodging			165
Per diem			90
Senior Fisheries Consultant 2			
Lodging			275
Per diem			150
Total Travel			1908
Total Project Costs		49991	

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