



P.O. Box 705 – Cordova, AK 99574
(907) 424-5800 – fax 424-5820
wspegau@pwssc.org

INVITATION TO BID 18-75-01-PS

Date Issued: March 5, 2018
Response Deadline: April 27, 2018
Tentative dates of contract: May 28-July 13, 2018

BID TITLE: Aerial surveys of forage fish.

This ITB is being awarded by the Prince William Sound Science Center, hereafter called the PWS Science Center, the Contractor for conducting aerial surveys of forage fish in Prince William Sound.

PURPOSE: The purpose of this work is to count schools of forage fish. Of particular interest are the number of age-1 herring schools. The contractor is responsible for providing a qualified pilot, spotter with at least three years of experience identifying forage fish, and suitable aircraft for flying forage fish surveys throughout Prince William Sound in the months of June and potentially into July. Forage fish will be recorded on a paper form (attached) and electronically using a Microsoft Surface with DLog software. If conditions allow bird and mammal observations will be recorded and the approximate location of forage fish schools mapped. Waters on the Gulf of Alaska side in regions 11, 12, and 13 of the attached map will not be required to be flown. During June we are expecting to have the inside waters of PWS flown. All completed survey forms and photographs will be provided to PWSSC by the August 13th. Surveys are to be flown at an altitude of 1000 feet using protocols to be provided by PWSSC. On two or three days an hour of the aircraft time may be used to guide a boat to adult herring schools.

LENGTH OF CONTRACT: ~13 flight days. This contract can be extended to cover surveys for this purpose for an additional three years. The extension is dependent on funding and at the agreement of both parties.

CONTRACT PERIOD: 28 May 2018 to 13 August 2018.

REQUIRED EQUIPMENT: The aircraft must be capable of landing on water and carrying an observer/data recorder. The aircraft should carry enough fuel for a five to six hour survey period. Space to carry a small gill net or cast net for potential validation efforts.

REQUIRED EXPERTISE: The pilot must be familiar with aerial survey techniques and able to record data or provide an assistant to record data. The person will be expected to have knowledge of the characteristics needed to identify age, 0, age-1, age-2+ herring, sandlance, eulachon, and capelin and three years experience in identifying these forage fish. Experience with estimating the area of a school using a sight tube is required.

METHOD OF AWARD: Award will be made to the aircraft and operator most appropriate for doing the work at the most reasonable cost. The PWS Science Center reserves the right to choose the appropriate aircraft for the work.

LOCATION OF AIRCRAFT OPERATION: Aircraft will depart from and return to Cordova. The survey area are the inside waters of Prince William Sound.

DUTIES OF CONTRACT: In the role of conducting aerial surveys the pilot and aircraft are expected to provide:

- A. General navigation and operation of the aircraft.
- B. Identification and mapping of forage fish schools. This can be done using an assistant.
- C. Assistance collecting fish in some conditions.

INSPECTION: The aircraft will be subject to the appropriate inspections required by the Federal Aviation Administration and the PWSSC. A copy of the required servicing/re-inspection certificates for the aircraft must be provided.

The bidder must, upon 7 days notice, make the aircraft available for inspection at Cordova.

By the date set for the vessel inspection, all of the equipment called for in this contract must be installed and functional. The owner must pay the cost of all the equipment and of any alterations needed to meet the requirements of this contract. If an aircraft fails to meet the contract requirements at the time of inspection, the PWS Science Center may terminate the contract.

Inspection of the aircraft is not intended to convey acceptance by the PWSSC nor should it be considered conclusive evidence that the PWSSC believes the aircraft is airworthy. If during the PWSSC inspection or at any time during the subsequent term of the contract, conditions are noted that might affect the safety or airworthiness of the aircraft, the PWSSC will arrange for further inspection by a person with the appropriate credentials to determine if the condition of the aircraft is acceptable.

AIRCRAFT REQUIREMENTS:

- A. An aircraft on floats capable of carrying a pilot and one observer and up to 40 lbs of gear.
- B. Able to conduct a 5 to 6 hour survey.
- C. Appropriate safety gear if the aircraft was required to remain out overnight.

LICENSE: The pilot will be required to hold a current license and insurance appropriate for the work being requested.

CANCELLATION: The Science Center will have the sole discretion to cancel any contract after the charter has commenced, if it is determined that the contractor does not comply with the terms specified in this contract.

DISPUTES: The parties agree that should a dispute arise between them, in any manner, concerning this subcontract, the disagreement shall be resolved in accordance with applicable state and federal laws.

TERMINATION OF THE CONTRACT: The PWS Science Center may, without fault or liability, terminate the contract if: the condition of the aircraft or essential equipment on the aircraft remains such that it cannot be used for work by SSSC personnel for a period of more than seventy-two hours; insubordination and/or lack of cooperation by the pilot; failure of the pilot and aircraft to report at the time and location specified in this contract.

The PWS Science Center reserves the right to terminate the contract for cause, including but not limited to: 1. Availability and appropriation of funds. If the PWS Science Center elects to terminate the contract due to no fault of the vessel owner, the PWS Science Center will pay for performance up to the date of contract termination plus the cost of one (1) additional charter day.

REPORTING ON SAFETY AND OPPORTUNITIES FOR IMPROVEMENT

The pilot will document and report in writing any known safety incidents, accidents, and opportunities for improvement to both the chief scientist of the chartered aircraft as well as the CEO of PWSSC (khoffman@pwssc.org or 206-947-7990 mobile) as soon as communications with each individual can reasonably commence, and preferably within 48 hours of any incident, accident, or opportunity for improvement.

Examples of incidents, accidents and opportunities for improvement may include, but not be limited to:

- Accidents resulting in injuries
- Accidents not resulting in injury but which placed an individual at risk during the survey
- Environmentally impacting events
- Equipment damage or malfunction of machinery critical to aircraft or research operations
- Non-compliance of PWSSC staff with safety procedures mandated by the pilot, or PWSSC policy
- Suggested safety modifications and/or improvements to research operations
- A deficiency in the vessel identified by external organizations, i.e., F.A.A.

The report text shall include the following basic information:

1. A description of the situation.
2. Probable causes, if known.
3. Consequences with respect to harm to people, damage to the environment or property, and/or loss of operational safety; and/or the impact on the cruise objectives.
4. Suggestions and recommendations for short term repair, long term repair and future prevention as applicable.

MISCELLANEOUS PROVISIONS: The PWS Science Center may, at their own expense and only for the term of the contract, and in cooperation with the contractor, install and retain on the aircraft equipment necessary to accomplish their work. The PWSSC will remove this equipment at the termination of the contract period without damage to the aircraft.

HOLD HARMLESS: The contractor will indemnify, save, hold harmless and defend the PWS Science Center, its officers, agents and employees from all liability, including costs and expenses, for all actions or claims resulting from injuries or damages sustained by any person or property arising directly or indirectly as a result of any error, omission or negligent act of the contractor, subcontractor or anyone directly or indirectly employed by them in the performance of this contract.

All actions or claims including costs and expenses resulting from injuries or damages sustained by any person or property arising directly or indirectly from the contractor's performance of this contract which are caused by the joint negligence of the PWS Science Center and the contractor will be apportioned on a comparative fault basis.

INSURANCE: The contractor will maintain such minimum liability and worker's compensation insurance as are required by state law. Certificates of Insurance will be furnished to the Contracting Officer within 10 days of the contract award or at least 3 days prior to the charter departure date, whichever is earlier. This insurance will provide for a 30-day prior notice of cancellation, non-renewal or

material change in such insurance. Proof of insurance is required for the following: Protection and Indemnity, including crew exposure, in the amount of \$1,000,000.

Failure to supply satisfactory proof of insurance within the time required will cause the PWS Science Center to void the contract.

PAYMENT OF TAXES: As a condition of performance of this Contract, the Contractor shall pay all federal, state and local taxes incurred by the Contractor.

TO APPLY: Please submit the attached signature page and a short description describing the observers experience with identifying forage fish to Scott Pegau, wspgou@pwssc.org.

MORE INFORMATION: For more information about the project contact Scott Pegau wspgou@pwssc.org , or call 907-424-5800 x222. For information about administrative issues please contact Linnea Ronnegard, lrnnegard@pwssc.org or 907-424-5800, 224 at the Prince William Sound Science Center.



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Signature Page:

Owner – On submittal of this ITB agrees to the above provisions and approves the aircraft charter per day amount listed below. Please sign in the space below.

The Prince William Sound Science Center upon acceptance/awarding of this ITB and rate will sign in the space provided below.

BID

Amount of the contract: Please quote the rate per flight hour and estimated total cost.

Quote: Flight hour: _____ Total: _____

PAYMENT FOR THE CHARTER: The PWS Science Center will accept invoices on a weekly or bi-weekly basis for work performed or on a schedule to be determined between the contractor and the PWS Science Center. Please submit invoices to: Prince William Sound Science Center, Attn: Accounts Payable, P.O. Box 705, Cordova, Alaska 99574-0705, or emailed to ap@pwssc.org. Payment will be made within 30 days of receipt of an invoice.

CHARTER AIRCRAFT OWNER

(Signature)

(Date)

Address

Phone #

(Printed or type charter aircraft owner)

(Tax Identification #)

PRINCE WILLIAM SOUND SCIENCE CENTER

(Signature)

(Date)

(Printed or typed Name and Title of PWS Science Center Agent)

Prince William Sound Aerial Survey Regions

