STATE OF ALASKA
invites applications for the position of:

Biometrician I/II/III (PCN 11-4119)

<table>
<thead>
<tr>
<th>Job Code:</th>
<th>04565</th>
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<tbody>
<tr>
<td>Open Date:</td>
<td>05/12/14</td>
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<tr>
<td>Position Open To:</td>
<td>All Applicants</td>
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<tr>
<td>Range:</td>
<td>17/19/20</td>
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<tr>
<td>Department:</td>
<td>Fish &amp; Game</td>
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<tr>
<td>Location:</td>
<td>Fairbanks</td>
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<tr>
<td>Job Title:</td>
<td>Biometrician I/II/III (PCN 11-4119)</td>
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<tr>
<td>Closing Date:</td>
<td>05/26/14 05:00 PM</td>
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<tr>
<td>Job Type:</td>
<td>Full Time</td>
</tr>
<tr>
<td>Salary:</td>
<td>$4,419.00 - $5,440.00 Monthly</td>
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<tr>
<td>Division:</td>
<td>Sport Fish</td>
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<td>Bargaining Unit:</td>
<td>General Government</td>
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**JOB DESCRIPTION:**

The Division of Sport Fish is seeking a Biometrician I/II/III located in Fairbanks to provide biometric support to a diverse array of fisheries related projects.

This position is responsible for the biometric quality of research projects conducted by the Division of Sport Fish, ensuring that information obtained through research is accurate, precise, and appropriate for sound management of sport fisheries.

The key responsibilities of this position include, but are not limited to:

- Under general direction, provide biometric support and consultation for regional fisheries managers and research project leaders.
- Develop, review, and approve biometric aspects of new and existing project proposals and data collection activities.
- Work closely with regional biologists to quantitatively specify the project goals, including methods and analysis to achieve goals, and document goals in project plans.
- Determine sample sizes needed to estimate parameters with desired precision or to test hypotheses with power sufficient for detecting biologically significant effects.
- Use state-of-the-art mathematical and statistical methods (both classical and Bayesian) to estimate population parameters and develop new statistical methods when those available are inadequate. Topics are wide-ranging and include experimental, sample, and survey design; variance estimation; spatial and time series analysis; multivariate and nonparametric methods; generalized linear, linear mixed effects, and hierarchical models; population size estimation using mark-recapture; and Bayesian techniques in ecological settings.
- Author, coauthor, or review statistical content in project technical reports or scientific papers in cooperation with project leaders and others involved staff.
- Participate in field project activities related to fisheries research and/or population assessment to ensure proper sampling practices and gain a better understanding of how to design and implement field studies.
- Stay abreast of developments in statistics and quantitative analysis pertaining to fisheries ecology and management. Cooperate with biometricians and/or quantitative biologists inside and outside the agency to develop or improve statistical approaches. Attend professional conferences, meetings, and training courses.

The successful candidate will possess some or all of the following desired strengths...
(All of these traits must be documented in your cover letter and applicant profile. If you do not have experience with one or more of the traits listed below, simply state so in your cover letter.):

- Broad, comprehensive knowledge of statistical theory and techniques of quantitative biological research. Skills of interest include experimental, sample, and survey design; variance estimation; regression, spatial and time series analysis; multivariate and nonparametric methods; generalized linear, linear mixed effects, and hierarchical models; population size estimation using mark-recapture; and Bayesian techniques in ecological settings. Applicants need not be proficient at all skills.
- Demonstrated ability to apply statistical analysis to fisheries research or management problems, to analyze new problems and, if necessary, to develop or derive new solutions.
- Demonstrated ability to design and implement programs to collect biological information, analyze data and interpret significance, and prepare accurate reports.
- Demonstrated ability to present biological data and analytical results clearly and in an understandable manner to both technically oriented staff members and to lay people.
- Demonstrated ability to communicate with other biometricians and biologists, both verbally and in writing.
- Knowledge of biological models and the principles of population dynamics.

Special Notice:
To provide maximum advancement opportunity, this position will be flexibly staffed as a Biometrician I/II/III. Qualified candidates have the option of applying for a Biometrician I, II, or III. The primary differences between the Biometrician I, II, and III job class is the level of experience and proficiency required as well as performance expectations (see State of Alaska Job Class Specifications [http://agency.governmentjobs.com/alaska/default.cfm?SearchLetter=B&action=agencyspecs](http://agency.governmentjobs.com/alaska/default.cfm?SearchLetter=B&action=agencyspecs) for details). With successful completion of a training plan, the incumbent will be promoted up to the next level in the Biometrician series.

For job seekers unfamiliar with the Fairbanks area, the following are a few highlights about the area:
The community of Fairbanks is located in the interior of Alaska with highway access to the road-connected communities in Alaska and to the lower-48 states through Canada. Residents enjoy outstanding outdoor recreation including camping, hiking, fishing, hunting, and boating. Local clubs support and promote a wide variety of hobbies and recreational activities including cycling, running, hockey, softball, soccer, volleyball, canoeing and kayaking, figure skating, dancing, shooting sports, dog training, cross-country skiing, some downhill skiing, skijoring, dog mushing, flying, snow-machining, and others. With mountains, valleys, lakes, streams, rivers, and wetlands galore, a thriving arts community (the [Fairbanks Arts Association](http://fairbanksartsassociation.org), the Fairbanks Light Opera Theatre, the Fairbanks Symphony Association, the Fairbanks Summer Arts Festival), home to the [University of Alaska Fairbanks](http://www.uaf.edu), a hospital, shopping, and restaurants, Fairbanks offers a very high quality of life. The world famous [Denali National Park and Preserve](http://www.nps.gov/dena/index.htm) site of North America's highest peak (Mount McKinley) is a 'stones-throw' away from Fairbanks (about a 2 hour drive). Fairbanks is also home to the [Fairbanks International Airport](http://www.fairbanksinternationalairport.com), providing easy travel connections to the rest of the world. Living accommodations range from apartments and townhouses to suburban neighborhoods to more rural home sites on 1-5 acres.

Additional information about Fairbanks can be found on the following web sites:

- [Fairbanks Convention and Visitors Bureau](http://www.fairbanks.org)
- [The City of Fairbanks](http://www.cityoffairbanks.org)

**MINIMUM QUALIFICATIONS:**
BIOMETRICIAN I
A master's degree from an accredited college in biometrics, statistics, or one of the biological sciences including or supplemented by 18 semester or 27 quarter hours of graduate level statistics and/or biometrics.

Special Note:
Graduate level statistics and/or biometrics classes usually have course numbers of 500 or higher.

An individual who will complete the educational requirements and obtain the required master's degree within six months may apply and be considered for a vacancy. Such applicants may be given a conditional job offer but may not be appointed until receipt of the required degree has been documented.

BIOMETRICIAN II
A master's degree from an accredited college in biometrics, statistics, or one of the biological sciences including or supplemented by 18 semester or 27 quarter hours of graduate level statistics and/or biometrics.

AND
One year of experience practicing as a biometrician at the first working level. With the State of Alaska, this experience is equivalent to a Biometrician I.

Substitution: Any combination of two years of additional qualifying graduate study and professional experience in a position where primary responsibility is statistical analysis and design related to fish or game resource management or research will substitute for the required one year of biometrics experience.

Special Note:
Graduate level statistics and/or biometrics classes usually have course numbers of 500 or higher.

BIOMETRICIAN III
A master's degree from an accredited college in biometrics, statistics or one of the biological sciences including or supplemented by 18 semester or 27 quarter hours of graduate level statistics and/or biometrics.

AND
Two years of experience at the full proficiency level of professional biometric research. With the State of Alaska, this experience is equivalent to a Biometrician II.

Substitution: Any combination totaling four years of additional qualifying graduate study and related professional experience including two years in a position where primary responsibility was statistical analysis and design related to fish or wildlife resource management or research will substitute for the required two years of biometric experience.

Special Note:
Graduate level statistics and/or biometrics classes usually have course numbers of 500 or higher.

ADDITIONAL REQUIRED INFORMATION:

COVER LETTER
A cover letter is required for this position. The cover letter should highlight your knowledge, skills, abilities, and experience as they pertain to the key responsibilities and desired strengths listed in the job description. Please attach the cover letter to your application before submitting it online or, if unable to attach to your application, fax it to the contact number provided in the job posting. Your cover letter will be used to help determine which applicants...
will advance to the interview phase of the recruitment and selection process.

Your cover letter will be used as a writing sample.

**EDUCATION**
If post-secondary education is required to meet the minimum qualifications, you must fill in the Education section of the application. If you have not obtained a degree, please indicate the number of units completed. Copies of transcripts are required to verify educational credentials if used to meet the minimum qualifications for a position. Transcripts can be attached at the time of application or within 48 hours of the close of this recruitment to the contact person listed below.

**WORK EXPERIENCE**
If using work experience not already documented in your application, also provide the employer name, your job title, dates of employment, and whether full-or part-time. Applications will be reviewed to determine if the responses are supported and minimum qualifications are clearly met. If they are not, the applicant may not advance to the interview and selection phase of the recruitment.

**NOTICE**
Questions regarding the application process can be directed to the Workplace Alaska hotline at 800-587-0430 (toll free) or (907) 465-4095. If you choose to be contacted by email, please ensure your email address is correct on your application and that the spam filter will permit email from the ‘governmenjobs.com’ domains. For information on allowing emails from the ‘governmenjobs.com’ domains, visit the Lost Password Help page located at https://www.governmenjobs.com/js_lostpswd.cfm?&topheader=alaska.

**EEO STATEMENT**
The State of Alaska complies with Title I of the Americans with Disabilities Act (ADA). Individuals with disabilities, who require accommodation, auxiliary aides or services, or alternative communication formats, please call 1-800-587-0430 or 465-4095 in Juneau or (907) 465-3412 (TTY) or correspond with the Division of Personnel & Labor Relations at the address above. The State of Alaska is an equal opportunity employer.

**FIREARMS**
This position requires the use or possession of a firearm or ammunition. In accordance with the federal Omnibus Consolidated Appropriations Act of 1997 (PL 104-208), if you have been convicted of a misdemeanor crime of domestic violence, you may not hold this position.

A "misdemeanor crime of domestic violence" is an offense that is (1) a misdemeanor under Federal or state law; and (2) has, as an element, the use or attempted use of physical force, or the threatened use of a deadly weapon, committed by a current or former spouse, parent, or guardian of the victim, by a person with whom the victim shares a child in common, by a person who is cohabiting with or has cohabited with the victim as a spouse, parent, or guardian, or by a person similarly situated to a spouse, parent, or guardian of the victim.

If you have ever been convicted of a misdemeanor crime of domestic violence, do not apply for this position.

**FLEXIBLE STAFFING**
This position is flexibly staffed. This vacancy may be filled at either the I, II, or III level, depending on the applicant's training and/or experience. The full range of salaries is listed above. Starting salary will be determined by the level at which the position is hired. If filled at Level I, promotion to the Level II will occur upon successful completion of the probationary period and required training, as well as the applicant meeting the minimum qualifications of
the higher job class. You are encouraged to apply for all levels for which you qualify.

The following information must be attached to your application before submitting it online:

1. A cover letter highlighting your knowledge, skills, abilities and experience as they pertain to the key responsibilities and desired strengths listed in the job description. If you do not possess a particular strength you must identify that in the letter. The cover letter will be used as a writing sample.
2. A Curriculum Vitae (CV) – maximum of two pages
3. College transcripts

If you are unable to attach the information to your application you may fax it to the contact number provided in the job posting.

At the time of interview, please submit the following items:

1. Names and current contact information of three (3) professional or academic references.
2. Documentation of veterans’ preference, if applicable.
3. A professional writing sample.

CONTACT INFORMATION:
Name: Pat Hansen
Phone #: (907) 267-2441
Fax #: (907) 267-2422
Email: pat.hansen@alaska.gov

APPLICATIONS MAY BE FILED ONLINE AT:
http://workplace.alaska.gov/

PO Box 110201
Juneau, AK 99811
1-800-587-0430
907-465-4095
recruitment.services@alaska.gov
Biometrician I/II/III (PCN 11-4119) Supplemental Questionnaire

* 1. Have you carefully read the minimum qualifications for this position, and do you certify that you possess the required education and/or experience to meet the minimum qualifications as stated?
   - [ ] Yes
   - [ ] No

* 2. To complete your application for this position a cover letter is required. Have you attached a professionally written cover letter that highlights your knowledge, skills, abilities and experience as they pertain to the responsibilities listed in the job description?
   - [ ] Yes
   - [ ] No

* 3. Indicate at what level(s) you meet Minimum Qualifications. Important note: You may only be considered for the levels in which you indicate.
   - [ ] Level I
   - [ ] Level II
   - [ ] Level III
   - [ ] Level I & II
   - [ ] Level II & III

* Required Question