

JOB TITLE: Fisheries/Wetland/Wildlife Biologist
EMPLOYEE:

DOT #: 199.167-022
CLAIM #



KING COUNTY ON SITE JOB ANALYSIS

JOB TITLE Environmental Scientist III

JOB CLASSIFICATION Environmental Scientist III

DOT TITLE Environmental Analyst

DOT NUMBER 199.167-022

DEPARTMENT Development and Environmental Services

DIVISION Land Use and Services Division

OF POSITIONS IN THE DEPARTMENT WITH THIS JOB TITLE 12

JOB STATUS

Full Time, Career Service.

ADDRESS OF WORKSITE

900 Oaksdale
Renton, WA 98055

CONTACT'S NAME Steve Bottheim/ Pesha Klein

CONTACT'S PHONE 206-296-7144

EMPLOYER JOB TITLE Environmental Scientist IV

DATE COMPLETED 6/20/02

VRC NAME Jeff Casem

DATE REVISED 9/16/09

WORK HOURS

40 hours per week, usually Monday through Friday. Core hours are 9:00 a.m. to 3:00 p.m.

OVERTIME

Optional and Rare; 5 hours per month.
Fair Labor Standards Act, Non-Exempt (hourly).

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JOB DESCRIPTION

Position is primarily responsible for review of permit applications and assessment of development-related impacts on wetlands, including potential impacts to wildlife. Proposed projects are reviewed for conformance with King County Sensitive Areas Code, and other codes, ordinances and regulations. Thorough knowledge of wetland ecology is required and knowledge of one or more of the following is preferred: wildlife biology, aquatic ecology, and/or plant ecology. Experience with mitigation of project impacts or enhancement and restoration of aquatic, riparian, wetland or upland habitats is desirable. Provides expert-level technical consultation, based on expertise in a non-laboratory environmental scientific discipline or group of related disciplines, to practical problems of engineering or environmental concern. Incumbents may lead others involved in those projects.

ESSENTIAL ABILITIES FOR ALL KING COUNTY JOB CLASSIFICATIONS

1. Ability to demonstrate predictable, reliable, and timely attendance.
2. Ability to follow written and verbal directions and to complete assigned tasks on schedule.
3. Ability to read, write and communicate in English and understand basic math.
4. Ability to learn from directions, observations, and mistakes, and apply procedures using good judgement.
5. Ability to work independently or as part of a team; ability to interact appropriately with others.
6. Ability to work with supervision, receiving instructions/feedback, coaching/counseling and/or action/discipline.
7. Ability to safely drive to project sites, field investigation sites, and meetings throughout King County under all types of weather, road, and traffic conditions.

JOB SPECIFIC REQUIREMENTS

Incumbents work independently or as team members. High level of independent organizational skill is required to manage large and complex workload. Need for coordination and extensive public contact necessitates excellent communication skills. A thorough knowledge of freshwater aquatic ecology with an emphasis in salmonid biology and wetlands ecology is required. Marine aquatic ecology knowledge is desirable. Incumbents should demonstrate the ability to work independently as well as effectively participate in a team setting. High level of independent organizational skill is required to manage large and complex workload. Need for coordination and extensive public contact necessitates excellent written and oral communication skills. Bachelor's Degree in fisheries biology or related field plus four years experience in aquatic habitat and resource assessment including regulatory permit review. A Master's Degree in this field may substitute for the four years of experience. An offer of employment will be contingent on the success of a pre-employment physical examination. A valid Washington State Driver's License or the ability to travel throughout the County in a timely manner is required. The ability to safely drive to project sites, field

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investigation sites, and meetings throughout King County under all types of weather, road and traffic conditions is required. Experience with aquatic/riparian impact analysis, compensatory mitigation and/or enhancement, restoration, and creation of aquatic and riparian habitats is desirable.

ESSENTIAL FUNCTIONS Listed in order of importance

1. Manages projects involving scientific or related research and/or application of scientific knowledge to social, engineering or environmental activities; manages schedule and quality control. Oversees quality and appropriateness of work products.
2. Performs office and field studies and assess the potential impacts on natural resources of construction, environmental improvement or other activities. Performs field and stream investigations and studies in all types of weather. that often requires the use of rain and safety gear. Evaluates previous studies; examines field conditions; measures properties of natural phenomena such as streams, wetlands and rivers and/or geologic materials; identifies natural resource issues and concerns; resolves contradictory data sources; diagnose natural conditions; and predict the future behavior of natural resources.
3. Performs stream reconnaissance surveys, inspects stream mitigation sites (before, during, and after construction), sets, inspects, and retrieves numerous types of fish traps/nets, and inspects stream violations, debris slides, etc. In-Stream work requires walking through the stream channel during various stream flow conditions in water depths up to 4 feet. Additionally In-Stream work entails negotiating large boulders, fallen trees, woody debris piles, thick overhanging brush, and man-created debris piles, among other natural obstacles such as in-stream pools, cascades, and logjams under various stream flow velocities and depths up to 4 feet.
4. Perform stream flow surveys, which require crossing streams under various stream flow conditions and being able to stand at one location for up to 5 minutes while holding a stream flow meter gauge, and repeating the action at set intervals, up to 30 times across a single stream cross-section for one complete stream flow survey.
5. Drives to project sites, field investigation sites, and meetings throughout King County under all types of weather, road and traffic conditions.
6. Reviews and verifies information submitted by consultants and/or internal staff.
7. Provides expert-level scientific consultation to engineering and planning functions. Participates with other professional staff in identifying and implementing solutions to problems related to the application of the appropriate scientific discipline. Consults on preparation of Environmental Impact Statements. May approve site development plans for compliance with appropriate codes.
8. Reviews permit requests for environment-related projects. Represent division regarding project designs, impact assessments and related issues. Serves

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as a liaison and negotiates with external and internal regulatory agencies and other officials.

9. Inspects construction crews building environmental enhancement projects and advises on how to minimize impact on resources.
10. Gives expert-level testimony in public hearings on natural field conditions and their implications.
11. Develops and assists in the implementation of technical procedures, methodologies and technical policies. Drafts and reviews related County regulations, ordinances and rules.
12. Analyzes data, writes, comprehensive reports, compiles technical data, prepares technical documents and maps for use by technical staff, elected officials, management and the public.
13. Presents conclusions orally to technical staff, elected officials, management and the public.
14. Investigates code violation complaints and issues code violation notices.

TOOLS, MACHINES, EQUIPMENT, PRODUCTS, AND SERVICES USED

Camera, 100-foot tape measure, computer, telephone, County vehicle with an automatic transmission, shovel, hand auger, fax machine, copy machine, gloves, clipboard, hard hat, maps, protective eyewear, safety vest, boots, sampling bags and whiteboard, rain gear, wading boots, hip waders, chest waders, stadia rod, clinometer, compass, Munsell soil color charts, densiometer, stream flow meters, electrical fish shocker, aerial photos, aerial photo viewers, aerial photo services, light tables, flagging, binoculars, personal vehicle with a standard transmission, hand-held fish nets, seine nets, other types of fish trapping nets, fingerling cages, calculator, engineering or "scaled" rulers, car jack, tire iron.

PHYSICAL DEMANDS AS JOB IS TYPICALLY PERFORMED

Continuously = occurs 66-100% of the time

Frequently = occurs 33-66% of the time

Occasionally = occurs 1-33% of the time

Rare = may occur less than 1% of the time

Never = does not ever occur (such demands are not listed)

This job is classified as

Sedentary per DOT, but Heavy for this particular position.

Standing

Occasionally, on thick uneven vegetation and undeveloped land, and in stream channels with flowing water of various velocities and depths up to 4 feet, as well as flat carpeted surfaces for up to 15 minutes at a time for up to 1 hour total in a work shift. Most commonly occurs while making wetland, field, stream, and wildlife observations, taking notes in the field, observing project areas and surrounding wildlife, conversing with permit applicants, coworkers, and the public.

Walking

Frequently on thick uneven vegetation and undeveloped land, and in stream channels with flowing water of various velocities and depths up to 4 feet, as well as flat carpeted surfaces for distances of up to 1.5 miles for up to 30 minutes at a time for up to 5 hours total in a work shift. Most commonly occurs while walking during wetland, field, stream, and wildlife investigations, making field observations, observing project areas and surrounding wildlife, while conversing with permit applicants on-site, coworkers, the public, getting to and from work sites, and answering calls at the front desk.

Sitting

Continuously on an office chair or automobile seat for up to 2 hours at a time for up to 7 hours total in a work shift. Most commonly occurs while performing computer duties as well as driving a County vehicle to and from work sites.

Climbing stairs

Rare for up to 5 seconds at a time while climbing up to 3 steps for up to 10 seconds total in a work shift. Most commonly occurs while entering or exiting a construction job trailer.

Climbing

Occasionally for up to 10 minutes at a time for up to 1 hour total in a work shift. Most commonly occurs while climbing up steep slopes and over obstacles such as logs, while making wetland, field, stream, and wildlife observations, observing project areas and surrounding wildlife, conversing with permit applicants, coworkers, and the public.

Balancing

Occasionally for up to 30 minutes at a time for up to 5 hours total in a work shift. Most commonly occurs while walking on uneven and/or undeveloped surfaces.

Bending/Stooping

Occasionally on thick uneven and undeveloped vegetation surfaces for up to 3 minutes at a time for up to 20 minutes total in a work shift. Most commonly occurs while sampling soil, identifying plants, evaluating plant material and removing objects from a County vehicle as well as evaluating stream habitat features.

Kneeling

Occasionally on thick uneven and undeveloped vegetation surfaces for up to 5 minutes at a time for up to 1 hour total in a work shift. Most commonly occurs while sampling soil as well as identifying and evaluating plant material and stream habitat features.

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Crouching

Occasionally on thick uneven and undeveloped vegetation surfaces for up to 3 minutes at a time for up to 20 minutes total in a work shift. Most commonly occurs while sampling soil as well as identifying and evaluating plant material and stream habitat features.

Operating Controls with Feet

Frequently for up to 2 hours at a time for up to 4 hours total in a work shift while driving a County vehicle.

Reaching above shoulder height

Rare for up to 5 seconds at a time for up to 30 seconds total in a work shift while reaching for objects on high shelves, tying flagging to mark field locations, writing on a whiteboard and closing the tailgate on a County Jeep.

Reaching at waist to shoulder height

Continuously for up to 2 hours at a time for up to 7 hours total in a work shift while driving, performing computer duties and manipulating documents.

Reaching at knee to waist height

Occasionally for up to 20 seconds at a time for up to 20 minutes total in a work shift while using an auger and loading and unloading a County vehicle as well as opening/closing office drawers.

Reaching at floor to knee height

Occasionally on thick uneven and undeveloped vegetation surfaces for up to 1 minute at a time for up to 20 minutes total in a work shift. Most commonly occurs while sampling soil as well as identifying and evaluating plant material and stream habitat features.

Lifting 1-10 pounds

Rare for up to 5 seconds at a time for up to 5 minutes total in a work shift. Most commonly occurs with weights of 5-10 pounds while loading and unloading an auger, shovel, vest or measuring tape from a County vehicle, lifting file boxes, books, code folders, site plans, site documents and review materials.

Carrying 1-10- pounds

Continuously for distances of up to 1.5 miles for up to 30 minutes at a time for up to 5 hours total in a work shift. Most commonly occurs with weights of 10 pounds while wearing a vest or carrying a shovel or auger when walking to and from work sites or carrying file boxes, books, code folders, site plans, site documents, and review materials to permit-applicant meetings, or to the car when making a field investigation.

Lifting 11-20 pounds

Rare for up to 5 seconds at a time for up to 5 minutes total in a work shift. Most commonly occurs with weights of 15-20 pounds while wearing a 10-pound vest and holding an auger, shovel or measuring tape. The employee may also lift a bag containing documents and a clipboard that weighs up to 20 pounds.

Carrying 11-20 pounds

Continuously for distances of up to 1.5 miles for up to 30 minutes at a time for up to 5 hours total in a work shift. Most commonly occurs with weights of 15-20 pounds while wearing a 10-pound vest and carrying an auger, shovel or measuring tape.

Lifting 21-50 pounds

Rare for up to 5 seconds at a time for up to 5 minutes total in a work shift. Most commonly occurs with weights of 50 pounds while wearing a 10-pound vest and holding an auger, shoulder bag, shovel and measuring tape.

Carrying 21-50 pounds

Occasionally for distances of up to 200 feet for up to 5 minutes at a time for up to 10 minutes total in a work shift. Most commonly occurs with weights of 50 pounds while carrying a 10-pound vest, 5-8 pound auger, 20-pound shoulder bag, 7-pound shovel and a 5-pound measuring tape to and from a County vehicle.

Pushing and Pulling

Rare for up to 5 seconds at a time with a force of up to 50 pounds for up to 3 minutes total in a work shift while using an auger as well as opening and closing office and County vehicle doors.

Handling

Continuously for up to 2 hours at a time for up to 7 hours total in a work shift while driving, carrying work tools, using the computer mouse, auger, shovel, 100-foot measuring tape, camera, Munsell soil color chart, field notebook, stadia rod, stream flow meter, various types of fish traps, file boxes, books, code folders, site plans, site documents, and review materials.

Operating Controls with Hands

Continuously for up to 2 hours at a time for up to 7 hours total in a work shift while driving, carrying work tools, using the computer mouse, camera, auger, shovel and 100-foot measuring tape.

Fingering

Frequently for up to 2 hours at a time for up to 4 hours total in a work shift while performing computer duties handwriting notes, and manipulating documents, using a camera, using a Munsell soil color chart, and writing field notes.

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Talking

Occasionally for up to 15 minutes at a time for up to 2 hours total in a work shift while conversing with permit applicants, co-workers, answering the telephone, and giving presentations.

Hearing

Continuously for up to 2 hours at a time for up to 7 hours total in a work shift while driving a County vehicle, conversing with permit applicants, co-workers, attending public hearings, identifying wildlife, answering the telephone and identifying potential hazards such as moving objects at construction sites.

Near acuity—clarity of vision at 20 inches or less

Continuously for up to 2 hours at a time for up to 7 hours total in a work shift while performing computer duties as well as reading and reviewing maps and documents.

Far acuity—clarity of vision at 20 feet or more

Continuously for up to 2 hours at a time for up to 7 hours total in a work shift while driving a County vehicle, observing wildlife, identifying wetland vegetation and evaluating fish and stream habitat conditions.

Depth perception—three dimensional vision

Continuously for up to 2 hours at a time for up to 7 hours total in a work shift while driving a County vehicle and walking on uneven and undeveloped land with tripping hazards such as logs, plants and sunken ground or while walking stream channels with flowing water of various velocities and depths up to 4 feet.

Color vision—ability to identify and distinguish colors

Rare for up to 25 seconds at a time for up to 10 minutes total in a work shift while evaluating the color of soil samples.

Field of vision—observing an area that can be seen up and down or right or left while eyes are fixed on a given point

Continuously for up to 2 hours at a time for up to 7 hours total in a work shift while driving a County vehicle and identifying potential hazards such as moving objects at construction sites.

Night vision--seeing after sundown with minimal or no supplemental light sources

Occasionally for up to 1 hour at a time for up to 2 hours total in a work shift while working before sunrise or after sunset in the winter months.

TEMPERAMENTS

Directing, controlling, or planning activities of others: Rare

Performing repetitive or short-cycle work: Frequently

Influencing people in their opinions, attitudes, and judgements: Occasionally

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Performing a variety of duties: Frequently
Expressing personal feelings: Rare
Working alone or apart in physical isolation from others: Occasionally
Working effectively under stress: Continuously
Attaining precise set limits, tolerances, and standards: Occasionally
Working under specific instructions: Occasionally
Working with others: Occasionally
Making judgements and decisions: Frequently

ENVIRONMENTAL FACTORS

Work is performed in an office as well as a rural wildlife setting. The worker traverses uneven and heavily wooded terrain with many tripping hazards. The employee also works near rivers and streams and may traverse through stream channels or various velocities up to depths of 4 feet, undeveloped land or construction sites. The noise level varies from quiet to loud.

Workers are exposed to

Outside weather: Frequently
Extreme cold: Rare
Extreme heat: Rare
Wet: Frequently
Humidity/dampness: Occasionally
Fumes: Rare
Odors: Rare
Dusts: Rare-Occasionally
Mists: Rare
Moving mechanical parts: Occasionally
Vibration: Occasionally
Toxic or caustic chemicals: Rare

POTENTIAL MODIFICATIONS TO JOB

Walking stick to assist in balancing when walking on uneven ground.

Signature & title of evaluator

Date

Signature & title of contact

Date

Signature & title of employee

Date

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HEALTH CARE PROVIDER SECTION

Check all that apply

☐ The employee is released to perform the described duties without restrictions on performance or work hours.

☐ The employee is released to perform the described duties on a reduced schedule. The recommended schedule is:

☐ Temporary until _____ ☐ Permanent as of _____

☐ The employee is released to perform the described job with the following modifications:

☐ Temporary until _____ ☐ Permanent as of _____

☐ The employee is not released to perform the described duties due to the following job functions:

☐ Temporary until _____ ☐ Permanent effective _____

☐ The employee is unable to work in any capacity.
A release to work is: ☐ anticipated by _____ ☐ Not expected

The limitations are due to the following objective medical findings:

Printed or typed name and phone number of Health Care Provider

Signature of Health Care Provider

Date