



Office of Human Resources
Parks Natural Resources Technician I - CJ3148
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General Statement of Duties

Performs intermediate level urban and rural natural resources management work involving the protection of native species, conducting site assessments and restoration projects, and ensuring the ecological sustainability of urban and mountain parks, natural areas, and open spaces.

Distinguishing Characteristics

The Parks Natural Resource Technician I is distinguished from the Parks Natural Resources Technician II in that this classification is designated for entry to intermediate level work, while gaining the experience to operate independently and at the full performance level.

Level of Supervision Exercised

None

Essential Duties

Performs as a team member by collaborating to manage urban and mountain parks, natural areas, and open spaces to protect native species, mitigate noxious weeds, and manage wildlife, which includes conducting site assessments, evaluations, and restoration projects to ensure the ecological sustainability of parks and natural areas.

Works with stakeholders both internal and external to the city to preserve urban and rural parks and natural areas, which includes working with citizens, volunteers, rangers, Colorado Department of Parks and Wildlife, Colorado Department of Agriculture, Colorado State University, Urban Drainage Flood Control District, US Fish and Wildlife Services, Environmental Protection Agency, and related non-profit organizations.

Trains on conducting habitat site assessments and evaluations to identify and inventory plant species, land terrains, monitoring animal welfare, noting type and count of wildlife within the area or region, mapping habitat locations and nesting sites, setting up monitoring cameras, and maintains an inventory journal.

Assist with eradicating and controlling invasive weed species in parks and natural areas to promote healthier ecosystems, which includes assessing area conditions, mapping targeted species populations, determining treatment method of control, and evaluating the effectiveness of the treatments.

Assist with forest fuels in the removal of vegetation such as weeds, shrubs, and trees, which includes felling, bucking, swamping, chipping, and cruising with the use of chainsaws and other handheld cutting equipment and collects field mapping data for the delineation of boundaries and borders.

Assist with managing and monitoring Canada geese within urban parks, which includes monitoring and controlling populations, identifying and counting resident versus migrating geese, oiling eggs to prevent new hatchings, hazing geese to discourage nesting in certain areas, catching and taking injured geese to rehabilitation facilities, and testing sick or deceased animals to determine causes of illness or death.

Assist with managing and monitoring prairie dog colonies to track and record counts of holes and numbers of animals, which includes making determination to euthanizing prairie dog colonies and ensuring other sensitive or highly desirable wildlife will not be impacted by euthanization, such as Black Footed Ferrets and Burrowing Owls that inhabit colonies.

Assist with managing and monitoring beavers and beaver dams, which includes mapping beaver dams and lodges, observing general activity, mitigating dams to lower water down to safe levels and control flow rates of streams, and caging and painting desirable trees vulnerable to beaver damage.

Assist with conducting public outreach and wildlife education, which includes educating citizens within the parks, setting up educational booths at community events, formal classroom presentations, responding to 311 calls regarding wild animal complaints, and assists with training and working with volunteer groups.

Assist with performing habitat restoration work, which includes planting trees and native plants, reseeding native grasses, collecting native seeds, installing fences, signs, fishing-line trash containers, and building and installing bird boxes.

Adheres to personal and public safety guidelines and standards, which includes wearing personal protective equipment, and understanding herbicide instructions and applications.

Assist with data management to include GPS and GIS mapping systems to makes recommendations for program and project improvements, which includes logistics planning.

Prepares reports and maintains a work journal of activities in natural areas and parks regarding invasive plant species mitigation, wildlife population counts, locations of studies and site activities, hours worked, and resources necessary to complete objectives.

Performs regular maintenance and restoration of natural areas and parks, which includes building and maintaining trails and fences and installing informational signs.

By position, may be required to be on-call to address emergent needs.

Performs other related duties as assigned or requested.

Any one position may not include all duties listed; however, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

Competencies

Conscientiousness - Displays a high level of effort and commitment towards performing work; demonstrates responsible behavior.

Decision Making – Makes sound, well informed, and objective decisions, perceives the impact and implications of decisions, commits to action, even in uncertain situations, to accomplish organizational goals, causes change.

Interpersonal Skills - Shows understanding, friendliness, courtesy, tact, empathy, cooperation, concern, and politeness to others and relates well to different people from varied backgrounds and different situations.

Manages and Organizes Information - Identifies a need; gathers, organizes, and maintains information; determines its importance and accuracy, and communicates it by a variety of methods.

Problem Solving- Identifies and analyzes problems; uses sound reasoning to arrive at conclusions; finds alternative solutions to complex problems; distinguishes between relevant and irrelevant information to make logical judgments.

Reading – Understands and interprets written material including technical material, rules, regulations, instructions, reports, charts, graphs, or tables and applies what is learned from written material to specific situations.

Reasoning - Identifies rules, principles, or relationships that explain facts, data, or other information; analyzes information and makes correct inferences or draws accurate conclusions.

Knowledge & Skills

None

Education Requirement

Bachelor's Degree in Range or Wildlife Management, Forestry, Environmental Science, Biology, Restoration Ecology, Park and Recreation Management, or a related field of study.

Experience Requirement

One (1) year of urban and rural habitat management experience, which includes vegetation identification and control, restoration of parks and open lands, conducting rangeland assessments, and wildlife and/or forestry and vegetation management.

Education & Experience Equivalency

Additional appropriate experience may be substituted for the minimum education requirement.

Licensure & Certification

By position, requires a Colorado Department of Agriculture Pesticide Applicator License by completion of the probationary period.

By position, requires a Chainsaw Certification by completion of the probationary period.

Working Environment

Extreme Cold: temperature cold enough to cause marked bodily discomfort.

Extreme Heat: temperature hot enough to cause bodily discomfort.

Temperature Changes: variations in temperature from hot to cold.

Wet: frequent contact with water or other liquid.

Humid: conditions with high moisture content to cause bodily reactions.

Atmospheric Conditions: conditions that affect the skin, eyes or respiratory system.

Potential exposure to hazardous chemicals.

Potential Potential exposure to dangerous wildlife (e.g. rattlesnakes, mountain lions, stinging insects)

Potential exposure to pesticides.

Potential exposure to dust.

Level of Physical Demand

3-Medium (20-50 lbs.)

Physical Demands

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs.):

Standing: remaining on one's feet in an upright position.

Walking: moving about on foot.

Carrying: transporting an object, usually by hand, arm or shoulder.

Pushing: exerting force upon an object so that the object is away.

Pulling: exerting force on an object so that it is moving to the person.

Climbing: ascending or descending objects usually with hands/feet.

Balancing: maintaining body equilibrium to prevent falling over.

Stooping: bending the body by bending spine at the waist.

Crouching: bending body downward and forward by bending legs.

Crawling: moving about on hands and knees or hands and feet.

Reaching: extending the hand(s) and arm(s) in any direction.

Handling: seizing, holding, grasping, or otherwise working with hand(s).

Fingering: picking, pinching, or otherwise working with fingers.

Feeling: perceiving attributes of objectives by means of skin receptors.

Eye/hand/foot coordination: performing work through using two or more.

Hiking: moving about on foot on uneven surfaces, and at high altitude.

Near Acuity: ability to see clearly at 20 inches or less.

Depth Perception: ability to judge distances and space relationships.

Color Vision: ability to distinguish and identify different colors.

Lifting: raising or lowering objects weighing no more than 50 pounds, from one level to another.

Background Check Requirement

Criminal Check

Employment Verification

By position, Motor Vehicle Record

Assessment Requirement

None

Probation Period

Six (6) months.

Class Detail

Pay Grade: J-618

FLSA Code: N

Established Date: 3/17/2019

Established By: JH

Revised Date:

Revised By:

Class History: