

NATURAL RESOURCES TECHNICIAN

KIND OF WORK

Technical, semi-professional conservation work.

NATURE AND PURPOSE

An employee in this class assists professional conservation managers and biologists in a particular field of conservation and natural resource management. These employees also perform difficult work assignments independently and may be responsible for supervising lower level employees. Employees in this class may be responsible for certain operations in a specific type of activity but usually work under the general direction of a supervisor who assigns and inspects work and progress and upon completion. The employee has considerable latitude for use of independent judgement and routine operations or in emergency situations. Difficult technical decisions are the responsibility of the professional manager. Work is reviewed through field inspections, review of records, reports and work accomplishment.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Fisheries Aide

Assists in a variety of management activities and performs technical field work in fish and lake investigations, studies and surveys, artificial or natural fish propagation and culture, fish population control, fish rescue, lake rehabilitation, fish habitat improvement, rough fish removal, fish population assessment, commercial rough fish operations, census of sport fishing harvest and other activities.

Assists in or schedules construction, maintenance and repair of buildings, facilities used in hatching, raising, feeding, treating for diseases, harvesting, removing, handling, transporting, displaying and stocking of fish.

Seines, traps, identifies sexes, sorts, grades, counts, weighs, measures, loads and transports numerous species of cold and warm water game fish and rough fish and stock game fish.

Nets, traps, seines and tags fish, takes slow water, oxygen, plankton, equatic insect and plant samples in rearing ponds, natural spawning areas, lakes, rivers and streams.

Game Aide

Assists in a variety of management activities and performs technical field work in game and wildlife habitat investigations, studies and surveys, artificial or natural game propagation and rearing wildlife habitat improvement, population and wild animal damage control, game population census, census of hunting and trapping harvest and other activities.

Assist in or schedules construction, maintenance and repair buildings, facilities and equipment, operates and directs operation of equipment and facilities used in breeding, hatching, feeding and treating diseases of artificially raised game birds and trapping, caring for, transporting and displaying wild game animals and birds.

Captures, traps, identifies sexes, counts, weights, tags, loads, transports, removes and relocates numerous species of game farm reared and wild game animals and birds.

Post boundaries and patrols game refuges and public hunting grounds, inspects hunters for proper licensing and bag limits, apprehends violators, plants and cultivates game food patches, nesting areas and cover habitat.

Forestry Aide

Assists in a variety of management activities and performs technical field work in forest inventory, reforestation, timber stand improvement, timber and land appraisal, timber sales, land leases, forest recreation and forest fire prevention, detection and suppression, private forest management service, management of, forfeited lands, administration of forest tax laws and establishment and management service of school and municipal forest.

Assist in or schedules construction, maintenance and repair of buildings, facilities and equipment.

Operates and directs use of a variety of equipment and facilities used in timber appraisal, scaling sales, site preparation, seeding, planting, pruning, thinning and protecting trees from fire, insects and disease.

Identifies common tree species on the ground and using area photos locates and maps forest types needing harvesting, site preparation, planting, release thinning and other cultural work.

Checks for timber trespass, cruises and appraises timber, maps forest fires and estimates damage, direct small timber sales, inspect slash disposal, does fire law enforcement, issues burning permits and participates in public relations.

Parks Aide

Assist in the operation of a moderately to highly developed heavy use state park or is responsible for the operation of a small seasonal park.

Park management and operation involves carrying on development and improvement programs and providing facilities and activities to meet and satisfy public needs and interest in outdoor recreation in the park.

Assist in or schedules construction, maintenance and repair of buildings facilities, equipment and non-camping recreational sites (re: public access trails, etc.).

Operates and directs use of a variety of equipment and facilities necessary to provide logging, food, refreshments, a variety of recreational opportunities and numerous services to park visitors.

Supervises and maintains revenue producing activities in a seasonal park; refreshment stands, camp grounds, boat rentals, beaches and bathing facilities.

Meets the public and gives information concerning services and features of interest at the park, sells park permits, registers campers, collects fees, maintains grounds and public use areas, and looks after safety and welfare of park visitors.

Performs related work as required.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Working knowledge of the principles and practices of sound conservation and natural resource management in at least one of the natural resources disciplines.

Working knowledge of laws and regulations pertaining to conservation and natural resource management in at least one of the several fields.

Working knowledge of the organization functions and objectives of the division the employee is in.

Some knowledge of the organization of the Department of Natural Resources and functions of the major organizational units.

Some knowledge of natural history and natural science.

Some knowledge of the wild animal and plant life found in Minnesota in the habitat in the environmental requirements of important species.

Ability to:

Use instruments and equipment peculiar to a specific natural resources discipline.

Operate common types of mechanical and vehicular equipment and to perform routine servicing.

Understand and carry out oral and written directions.

Direct the work of others.

Keep records and write reports.

Good physical condition.

Read and draw field maps and figure map scales.

Perform various grounds maintenance tasks.

Est.: 12/16/70
Rev.: 06/19/78

T.C.:
Former Title(s):