

STATE OF OHIO (DAS)
CLASSIFICATION
SPECIFICATION

CLASSIFICATION SERIES:

Soils Resource

SERIES NO.:

8381

MAJOR AGENCIES:

Natural Resources

EFFECTIVE DATE

SERIES PURPOSE

The purpose of the soils resource occupation is to perform soil studies & investigations.

At the full performance level, incumbents perform soil studies & investigations & collect & analyze soil samples.

At the managerial level, incumbents manage long-term county soil survey projects to update soil information in major land resource areas & formulate & implement regional major land resource area program policies & procedures.

CLASS TITLE

Soils Resource Specialist

CLASS NUMBER:

83811

EFFECTIVE DATE

03/26/1990

CLASS CONCEPT:

The full performance level class works under direction & requires considerable knowledge of agronomy/soil science in order to perform soil studies & investigations & collect & analyze soil samples.

CLASS TITLE

Soil Resource Information Manager

CLASS NUMBER:

83815

EFFECTIVE DATE

08/06/1995

CLASS CONCEPT:

The managerial level class works under direction & requires thorough knowledge of soil science, agronomy & soil sampling equipment in order to manage long-term county soil survey projects to update soil information in major land resource areas, formulate & implement regional major land resource area program policies & procedures & oversee activities of staff in sampling of soils for laboratory analysis when assigned.

CLASS TITLE Soils Resource Specialist	CLASS NUMBER: 83811	BARGAINING UNIT: 13
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EFFECTIVE DATE

03/26/1990

JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

Performs detailed soil studies & investigations (e.g., collects soil samples; maps & classifies soils & land features; operates motorized drilling rig, inclinometer & field soil sampling equipment & tools; collects soil &/or water samples for laboratory analysis; develops soil interpretations based upon physical & chemical properties; reviews & evaluates strip mine applications, farmland restoration plans &/or resoiling plans for compliance with law & for technological completeness; monitors reclamation activities to ensure compliance with law & mining plan; investigates public complaints regarding interference & depletion of water supply).

Prepares & writes detailed soil descriptions &/or explanations (e.g., logs soil borings & prepares reports through use of soil data & other research data; interprets laboratory data & its application to non-agricultural & agricultural land uses; interprets results of mining & property surveys; oversees & assists in writing technical reports to record findings); assists non-soil scientists in understanding & applying soil & geotechnical data; consults with Natural Resources Conservation Service & other organizations regarding soil-related activities; meets with industry representatives to negotiate compliance schedules; meets with &/or contacts land owners & mine operators.

Assists in reviewing & drafting regulations; verifies crop yields; operates & maintains trucks; repairs & maintains equipment; attends conferences & training seminars; writes contract specifications for resoiling operations; writes reports regarding activities.

MAJOR WORKER CHARACTERISTICS:

Knowledge of agronomy/soil science; geology; agriculture; hydrology; natural resources; statistics; cartography/soil mapping*; mine reclamation operations*; federal & state laws governing mining & reclamation*. Skill in operation of soil drilling rig & other field soil sampling equipment*. Ability to understand technical field of study; define problems, collect data, establish facts & draw valid conclusions; write instructions or specifications technical in nature; gather, collate & classify soil data; demonstrate physical fitness.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Completion of undergraduate core program in agronomy, agriculture, geology or related science field.

-Or equivalent of Minimum Class Qualifications For Employment noted above.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:

Not applicable.

UNUSUAL WORKING CONDITIONS:

May be exposed to unpleasant weather conditions, dirt, mud & loud noise from drilling rig; may require overnight travel.

CLASS TITLE Soil Resource Information Manager	CLASS NUMBER: 83815	BARGAINING UNIT: EX
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EFFECTIVE DATE

08/06/1995

JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

Manages long-term county soil survey projects to update soil information in major land resource areas, formulates & implements regional major land resource area program, policies & procedures, researches underlying correlation decisions made on soil survey projects, oversees staff in sampling of soils for laboratory analysis when assigned & provides training in soil science to division staff & outside agencies.

Investigates map unit composition with documented field observations of soil to depth of eighty (80) inches; tests line placement of map units to fit landforms & recommends adjustments in map unit name & line placement; develops coordinated major land resource area legend that transcends county boundaries.

Tests information on soil characteristics & interpretations in map unit descriptions & tables in county soil surveys; evaluates laboratory data & recommends adjustments to coordinate database of characteristics; provides on-site investigations & interpretation reports; coordinates soil survey operations with outside staff & participates in conservation field days, soil demonstration projects & teacher-student training sessions.

MAJOR WORKER CHARACTERISTICS:

Knowledge of agronomy, soil science; geology; agriculture; cartography/soil mapping; hydrology; conservation; forestry; employee training & development; supervisory principles & techniques*. Skill in operation of soil drilling rig & other field soil sampling equipment*. Ability to understand technical field of study; define problems, collect data, establish facts & draw valid conclusions; write instructions or specifications technical in nature; gather, collate & classify soil data; demonstrate physical fitness.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Completion of undergraduate core program in soil science, agronomy, geology or related natural resources field; 24 mos. trg. or 24 mos. exp. in soil mapping; 12 mos. trg. or 12 mos. exp. in employee training & development.

-Or 24 mos. exp. as Soils Resource Specialist, 83811.

-Or equivalent of Minimum Class Qualifications For Employment noted above.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:

Not applicable.

UNUSUAL WORKING CONDITIONS:

Exposed to weather conditions varying from extreme cold to extreme heat; exposed to soil, mud & loud noise from drilling rig; may require overnight travel.