NEW AUG 0 3 1987

OHIO CLASSIFICATION SPECIFICATION *Developed for Equal Opportunity*	CLASS TITLE: Soils Resource Specialist 1	CODE: 83811C
	MAJOR AGENCIES: County Offices, Universities	JURISDICTION: County, Univ.

FUNCTION: Under general supervision from soil survey party chief, collects & examines soil samples for morphological characteristics, delineates soil units & land features, & prepares field documented maps for reproduction;

- PERFORMS RELATED DUTIES AS REQUIRED

RANK	% OF TIME	JOB DUTIES	MAJOR WORKER CHARACTERISTICS
1	44-54	Walks over land area collecting soil samples & noting land features (e.g., slope, erosion); examines soil samples for morphological characteristics; classifies & delineates soil units & land features by special coding onto photo-base map.	Knowledge of (1) safety practices*, (2) soil science, (3) soil chemistry; skills in (4) use of field equipment (e.g., hand auger, hydraulic core sampler, urbana tube*); ability to (5) understand systems of procedures, (6) read & understand technical manuals, (7) gather & classify soil data, (8) cooperate with co-workers, (9) physical fitness.
2	16-36	Prepares field documented maps for reproduction (e.g., inks, soil boundary lines & land features, joins adjacent maps); measures differentiated soil units on completed soil map to determine total acreage of each soil type.	Knowledge of (10) soil mapping techniques; ability to 5, 6, 7, 8, (11) calculate fractions, decimals & percentages.
3	9-15	Samples soils for laboratory analysis making detailed studies of soil profiles to describe, identify & classify soil layers; conducts water percolation tests to determine water holding capacity of various soils.	Knowledge of 2, 3; ability to 5, 6, 7, 8, 9.
4	9-19	Assists in developing & compiling tables concerning suitability & limitations of soils; prepares written reports, charts & special maps on soil use, management & conservation.	Knowledge of 2, 3, 10, (12) plant ecology; ability to 5, 6, 7, 8, (13) apply principles to deal with problems in somewhat unfamiliar context, (14) write reports &/or construct charts dealing with soil management.

*Developed after employment

(1137)

123: 1-7-17

UNUSUAL WORKING CONDITIONS: Travels overnight; works outside exposed to weather; exposed to insect bites & allergies.	MINIMUM CLASS REQUIREMENTS: *(including license, if any.)*	TRAINING & DEVELOPMENT: