

ISRIC - WAGENINGEN country: USA subject : Soils 1:335.238 1 p ref.: US 30 3 libr. ref.:

#### SOIL ASSOCIATIONS

#### ROLLING SOILS OF THE PIEDMONT

Glenelg-Manor-Chester Association: Well-drained, moderately permeable, medium-textured soils formed over micaceous crystalline rocks.

Neshaminy - Aldino - Watchung Association: Well-drained, moderately well-drained, and poorly drained, moderately slowly to slowly permeable, medium-textured soils formed over dark-colored gabbroic

### GENTLY SLOPING SOILS ALONG THE FALL LINE

Neshaminy-Talleyville-Urban land Association: Well-drained, moderately slowly permeable, medium-textured soils, relatively undisturbed to severely disturbed; formed over dark-colored gabbroic

Elsinboro - Delanco - Urban land Association: Well-drained and moderately well-drained, moderately permeable and moderately slowly permeable, medium-textured soils, relatively undisturbed to severely disturbed; formed in old alluvium on stream terraces.

Urban land Association: Areas used for streets, sidewalks, buildings and other areas where cutting and filling have been extensive.

Aldino-Keyport-Mattapex-Urban land Association: Moderately well drained, slowly permeable, medium-textured soils, relatively undlisturbed to severely disturbed.

### NEARLY LEVEL SOILS OF THE COASTAL PLAIN Dominantly well-drained

Matapeake-Sassafras-Urban land Association: Well-drained, moderately permeable, medium-textured and moderately coarse-textured soils, relatively undisturbed to severely disturbed.

Sassafras-Fallsington-Matapeake Association: Well-drained and poorly drained, moderately permeable, moderately coarse-textured and medium-textured soils.

Matapeake-Sassafras Association: Well-drained, moderately permeable, medium-textured and moderately coarse-textured soils.

Sassafras - Fallsington Association: Well-drained and poorly-drained, moderately permeable, moderately coarse-textured and medium-textured soils.

Evesboro-Rumford-Fallsington Association: Excessively-drained, well-drained and poorly-drained, rapidly permeable, coarse-textured to moderately coarse-textured soils; underlain by sand.

Dominantly moderately well-drained to poorly drained Fallsington - Sassafras - Woodstown Association: Poorly-drained, well-drained and moderately-well drained, moderately permeable, moderately coarse-textured to medium-textured soils.

Keyport-Elkton Association: Moderately well-drained and poorly-drained, slowly permeable, clayey soils.

Othello-Matapeake-Mattapex Association: Poorly-drained to well drained, moderately slowly permeable, medium-textured soils with sandy substrata.

Elkton - Matawan - Keyport Association: Poorly-drained and moderately well-drained, slowly perme-Elkton - Matawan - Keyport Association able, clayey to moderately coarse-textured soils.

# Dominantly very poorly drained

Pocomoke - Fallsington - Evesboro Association: Very poorly-drained and poorly-drained, moderately permeable, moderately coarse-textured soils, and excessively-drained, rapidly permeable, coarse-textured soils; underlain by sand.

Fallsington - Pocomoke - Woodstown Association: Poorly-drained, very poorly-drained and moder-Fallsington-Pocomoke-Woodstown Association. Foolig-drained, very poolig ately well-drained, moderately permeable, moderately coarse-textured soils underlain by sand.

Pocomoke - Fallsington - Sassairas Association - Very poorly drained, moderately permeable, moderately coarse-textured soils underlain by sand. Pocomoke - Fallsington - Sassafras Association: Very poorly-drained, poorly-drained and well-

Tidal marsh-Coastal beach Association: Mineral and organic soil materials that are regularly subject to tidal flooding by salt water; and loose, salty beach and dune sands.

Muck-Pocomoke-Swamp Associatiom: Very poorly-drained, dark-colored, mixed organic and mineral soil materials in fresh-water swamps.

Tidal fresh-water marsh Association:: Muck or peat over sand, regularly covered by fresh-water

ESTIMATED SOIL LIMITATIONS FOR SELECTED USES

SOIL SSOCIATION	SOIL SERIES	PERCENT OF SOIL	WITHOUT	E STORIES OR LESS) WITH	SEPTIC TANK ABSORPTION FIELDS	LOCAL ROADS AND STREETS	RECREATION  CAMP AND  PICNIC AREAS	INTENSIVE CROPPING
% of STATE)	GLENELG MANOR CHESTER	43 28 14	SLIGHT TO MOD: 1 SLIGHT TO SEV: 1 SLIGHT TO MOD: 1	SLIGHT TO MOD: 1 SLIGHT TO SEV: 1 SLIGHT TO MOD: 1	SLIGHT TO MOD: 1 SLIGHT TO SEV: 1 SLIGHT TO MOD: 1	MODERATE: 1,6,13 MOD. TO SEV. 1,6,13 MODERATE: 1,6,13 SEVERE: 2,4,13	SLIGHT TO MOD: 1 SLIGHT TO SEV: 1 SLIGHT TO MOD: 1	SLIGHT TO SEV: 2 SLIGHT TO SEV: 2 SLIGHT TO MOD: 2
(3%)	MINOR SOILS	15	SEVERE: 3,4	SEVERE: 3,4	SEVERE: 3,4	SEVERE: 3,4,13	SEVERE: 3,4	SLIGHT TO MOD: 3,4
2	NESHAMINY ALDINO WATCHUNG MINOR SOILS	38 29 18 15	SLIGHT TO SEV: 1,14 SLIGHT SEVERE: 3,4 SLIGHT & SEV: 3,4	SLIGHT TO SEV: 1,14 MODERATE: 3,15 SEVERE: 3,4 SLIGHT & SEV: 3,4	SEVERE: 12 SEVERE: 11,3,15 SEVERE: 3,11 SEVERE: 3,4,11	MOD. & SEV: 13,6,1 SEVERE: 5,13,15,3 SEVERE: 3,4,5,7,13 MOD. & SEV:13,3,4,5,7	SLIGHT TO SEV: 1 MODERATE: 3,11 SEVERE: 3,4,11 MOD. & SEV:11.3.4	SLIGHT TO SEV: 2,14 SLIGHT SEVERE: 3,4,11,14 SLIGHT TO MOD: 2,3,4
(<1%)	TILLION BOLLD				State			
3"	NESHAMINY TALLEYVILLE URBAN LAND	65 35	SLIGHT NOT RATED	SLIGHT NOT RATED	SEVERE: 12 NOT RATED	MOD. & SEV. 13,6 NOT RATED	MODERATE: 12 NOT RATED	SLIGHT NOT RATED
(1%)	ELSINBORO	42	SLIGHT	SLIGHT	SLIGHT	MODERATE: 6,13	SLIGHT	SLIGHT
<b>4</b> "	DELANCO URBAN LAND MINOR SOILS	28 20 10	SLIGHT NOT RATED SEVERE: 3,4	MODERATE: 3 NOT RATED SEVERE: 3,4	SEVERE: 3,12 NOT RATED SEVERE: 3,4,12	MODERATE: 3,6,13 NOT RATED SEVERE: 3,4,5,13	MODERATE: 3,6 NOT RATED SEVERE: 3,4,12	SLIGHT NOT RATED MODERATE: 3,4
(<1%)	UDDAY LAND	100	NOT DATED	NOW DAMES				
5 <sup>1</sup>	URBAN LAND	100	NOT RATED	NOT RATED	NOT RATED	NOT RATED	NOT RATED	NOT RATED
6	ALDINO KEYPORT MATTAPEX URBAN LAND	30 24 20 18	SLIGHT SLIGHT SLIGHT NOT RATED	MODERATE: 3,15 MODERATE: 3,7 MODERATE: 3 NOT RATED	SEVERE: 11,3,15 SEVERE: 11,3,7 SEVERE: 3,12	SEVERE: 3,5,13,15 SEVERE: 3,6,7,13 MODERATE: 3,6,13	MODERATE: 3,11 MODERATE: 3,11 MODERATE: 3,12	SLIGHT SLIGHT SLIGHT
	MINOR SOILS	8	SEVERE: 3	SEVERE: 3	NOT RATED SEVERE: 3	NOT RATED SEVERE: 3,5,13	NOT RATED SEVERE: 3	NOT RATED MODERATE:3,12
(1%) 7 4	MATAPEAKE SASSAFRAS URBAN LAND	67 18 15	SLIGHT SLIGHT NOT RATED	SLIGHT SLIGHT NOT RATED	SLIGHT TO MOD: 12 SLIGHT NOT RATED	SLIGHT SLIGHT NOT RATED	SLIGHT SLIGHT NOT RATED	SLIGHT SLIGHT NOT RATED
(<1%)								
8	SASSAFRAS FALLSINGTON MATAPEAKE MINOR SOILS	25 25 25 25	SLIGHT SEVERE: 3 SLIGHT SLIGHT OR SEV: 3	SLIGHT SEVERE: 3 SLIGHT MOD. OR SEV: 3	SLIGHT SEVERE: 3 SLIGHT TO MOD: 12 MOD. OR SEV:3,11,7	SLIGHT SEVERE: 3,5 SLIGHT SEVERE: 3,5,7,13	SLIGHT SEVERE: 3 SLIGHT MOD. OR SEV: 3,11	SLIGHT MODERATE: 3 SLIGHT SLIGHT OR MOD:3,11
(3%)	MATAPEAKE	68	SLIGHT	SLIGHT	SLIGHT TO MOD: 12	SLIGHT	SLIGHT	SLIGHT TO MOD.
9	SASSAFRAS MINOR SOILS	17 15	SLIGHT OR SEV:3,4	SLIGHT MOD. OR SEV: 3,4	MOD. OR SEV: 3,4	MOD. OR SEV:3,4,5,13	SLIGHT MOD. OR SEV: 3,4	SLIGHT TO MOD: 2 SLIGHT TO MOD: 3,4
(6%)	SASSAFRAS FALLSINGTON MINOR SOILS	60 25 15	SLIGHT SEVERE: 3 SLIGHT & SEV: 3	SLIGHT SEVERE: 3 SLIGHT TO SEV: 3	SLIGHT SEVERE: 3 SLIGHT TO SEV:3,10	SLIGHT SEVERE: 3,5 SLIGHT TO SEV:3,5,13	SLIGHT SEVERE: 3 SLIGHT TO SEV: 3	SLIGHT MODERATE: 3 SLIGHT TO MOD:3,8,9
10		-/	DIJUNI & DISV.	DEIGHT TO SEV. 9				
11	EVESBORO RUMFORD FALLSINGTON MINOR SOILS	55 20 15	SLIGHT SLIGHT SEVERE: 3 SLIGHT & SEV: 3	SLIGHT SLIGHT SEVERE: 3 MOD. & SEV: 3	SLIGHT: 8,10 SLIGHT: 8,10 SEVERE: 3,10 MOD. & SEV: 3,10	SLIGHT SLIGHT SEVERE: 3,5 MOD. & SEV: 3	MODERATE: 8,9 MODERATE: 8 SEVERE: 3 MOD. & SEV: 3	SEVERE: 8,9 MODERATE: 8,9 MODERATE: 3 MOD. & SEV:3,8,9
20%)								
12	FALLSINGTON SASSAFRAS WOODSTOWN MINOR SOILS	35 25 25 15	SEVERE: 3 SLIGHT SLIGHT SEVERE: 3,4	SEVERE: 3 SLIGHT MODERATE: 3 SEVERE: 3,4	SEVERE: 3 SLIGHT MODERATE: 3 SEVERE: 3,4	SEVERE: 3,5 SLIGHT SEVERE: 3,5 SEVERE: 3,4,5	SEVERE: 3 SLIGHT MODERATE: 3 SEVERE: 3,4	MODERATE: 3 SLIGHT SLIGHT SEVERE: 3,4
16%)	KEYPORT	43	SLIGHT	MODERATE: 3	SEVERE: 11,3	SEVERE: 3,5,7,13	MODERATE: 3,11	SLIGHT
13	ELKTON MINOR SOILS	42 15	SEVERE: 3,7 SLIGHT	SEVERE: 3,7 SLIGHT	SEVERE: 3,7,11 SLIGHT	SEVERE: 3,5,7,13 SLIGHT	SEVERE: 3,7,11 SLIGHT	MODERATE: 2,7,11 MODERATE: 2
(1%)	OTHELLO MATAPEAKE MATTAPEX	40 35 15	SEVERE: 3 SLIGHT SLIGHT	SEVERE: 3 SLIGHT MODERATE: 3	SEVERE: 3,12 SLIGHT TO MOD: 12 SEVERE: 3,12	SEVERE: 3,5,13 SLIGHT SEVERE: 3,5,13	SEVERE: 3,12 SLIGHT	MODERATE: 3,12 SLIGHT
14	MINOR SOILS	10	SEVERE: 3,4	SEVERE: 3,4	SEVERE: 3,4	SEVERE: 3,4,5	MODERATE: 3,12 SEVERE: 3,4	SLIGHT SEVERE: 3,4
15	ELKTON MATAWAN KEYPORT MINOR SOILS	40 25 25 10	SEVERE: 3,7 SLIGHT SLIGHT	SEVERE: 3,7 MODERATE: 3 MODERATE: 3 SLIGHT	SEVERE: 3,7,11 SEVERE: 3,11 SEVERE: 11,3	SEVERE: 3,5,7,13 SEVERE: 3,5,13 SEVERE: 3,5,7,13	SEVERE: 3,7,11 MODERATE: 3,11 MODERATE: 3,11	MODERATE: 3,7,11 SLIGHT SLIGHT
(1%)	MINOR SOLLS	10		SDJOHI	SLIGHT: 8,10	SLIGHT	MODERATE: 8,9	SEVERE: 8,9
16	POCOMOKE FALLSINGTON EVESBORO MINOR SOILS	52 23 10 15	SEVERE: 3,4 SEVERE: 3 SLIGHT SEVERE: 3,4	SEVERE: 3,4 SEVERE: 3 SLIGHT SEVERE: 3,4	SEVERE: 3,4 SEVERE: 3 SLIGHT: 8,10 SEVERE: 3,4	SEVERE: 3,4,5 SEVERE: 3,5 SLIGHT SEVERE: 3,4,5	SEVERE: 3,4 SEVERE: 3 MODERATE: 8,9 SEVERE: 3,4	MODERATE: 3,4 MODERATE: 3 SEVERE: 8,9 SEVERE: 3,4,8
(7%)								
17	FALLSINGTON POCOMOKE WOODSTOWN MINOR SOILS	28 25 25 22	SEVERE: 3 SEVERE: 3,4 SLIGHT OR SEV: 3	SEVERE: 3,4 MODERATE: 3 SLIGHT TO SEV: 3	SEVERE: 3 SEVERE: 3,4 MODERATE: 3 SLIGHT TO SEV: 3,11	SEVERE: 3,5 SEVERE: 3,4,5 SEVERE: 3,5 SLIGHT TO SEV:3,5,13	SEVERE: 3 SEVERE: 3,4 MODERATE: 3 MOD. OR SEV:3,8,11	MODERATE: 3 MODERATE: 3,4 SLIGHT SLIGHT TO SEV:3,9,1
(5%)	POCOMOKE	50	SEVERE: 3,4	SEVERE: 3,4	SEVERE: 3,4	SEVERE: 3,4,5	SEVERE: 3,4	MODERATE: 3,4
18	FALLSINGTON SASSAFRAS MINOR SOILS	25 15 10	SEVERE: 3 SLIGHT SLIGHT OR SEV: 3	SEVERE: 3 SLIGHT SLIGHT TO SEV: 3	SEVERE: 3 SLIGHT SLIGHT TO SEV: 3	SEVERE: 3,5 SLIGHT TO SEV: 3,5	SEVERE: 3 SLIGHT MOD. OR SEVERE: 3	MODERATE: 3 SLIGHT SLIGHT TO SEV: 3,9
(4%)	TIDAL MARSH COASTAL BEACH	95	VERY SEV: 3,4,13 SEVERE:3,4,8,9,13	VERY SEV: 3,4,13 SEVERE:3,4,8,9,13	VERY SEV: 3,4,10 SEVERE: 3,4,8,10	VERY SEV: 3,4,13 SEVERE:3,4,8,9,13	VERY SEV: 3,4,13 SEVERE:3,4,8,9,13	VERY SEV: 3,4 VERY SEV:3,4,8,9
19			()		03/14/01/10	OBVERE: ), 4, 0, 7, 1	SEVERE: 5,4,6,7,13	VERI SEV:3,4,8,9
20	MUCK POCOMOKE SWAMP MINOR SOILS	50 20 20 10	VERY SEV: 3,4,13 SEVERE: 3,4 VERY SEV: 3,4,13 SEVERE: 3,4	VERY SEV: 3,4,13 SEVERE: 3,4 VERY SEV: 3,4,13 SEVERE: 3,4	VERY SEV: 3,4,10 SEVERE: 3,4 VERY SEV: 3,4,13 SEVERE: 3,4,8,10	VERY SEV:3,4,5,13 SEVERE: 3,4,5 VERY SEV: 3,4,13 SEVERE: 3,4,5	VERY SEV: 3,4,13 SEVERE: 3,4 VERY SEV: 3,4,13 SEVERE: 3,4,8	VERY SEVERE:3,4 MODERATE: 3,4 VERY SEV: 3,4 SEVERE: 3,4,8
(<1%)	TIDAT INVO	PPD						
21	TIDAL FRESH-WAY MARSH MINOR SOILS	PER 90 10	VERY SEV: 3,4,13 VERY SEV: 3,4,13	VERY SEV: 3,4,13 VERY SEV: 3,4,13	VERY SEV: 3,4,10 VERY SEV: 3,4,13	VERY SEV:3,4,5,13 VERY SEV:3,4,5,13	VERY SEV: 3,4,13 VERY SEV: 3,4,13	VERY SEV: 3,4 VERY SEV: 3,4
72045								

# GENERAL SOIL MAP

THE GENERAL SOIL MAP OF DELAWARE SHOWS 21 MAIN PATTERNS OF SOILS CALLED SOIL ASSOCIATIONS.

EACH SOIL ASSOCIATION CONTAINS A FEW MAJOR SOILS AND SEVERAL MINOR SOILS, AND IS MAMED FOR THE MAJOR SOILS. THE SOILS IN ONE ASSOCIATION MAY BE IN ANOTHER, BUT IN A DIFFERENT PATTERN. THE GENERAL SOIL MAP IS USEFUL TO PEOPLE WHO MANT A GENERAL IDEA OF THE SOILS, WHO MANT TO COMPARE DIFFERNT PARTS OF THE STATE, OR WHO WANT TO KNOW THE LOCATION OF LARGE THACTS THAT ARE SUITABLE FOR A CERTAIN KIND OF FARM OR NON-FARM LAND USE. SUCH A MAP IS NOT SUITABLE FOR FLANNING THE MANAGEMENT OF A FARM OR FIELD, OR FOR SELECTING THE ESACT LOCATION OF A ROAD, BUILDING, OR SIMILAR STRUCTURE BECAUSE THE SOILS IN ANY ONE SOIL ASSOCIATION ORDINARILY DIFFER IN DRAINAGE OR OTHER CHARACTERISTICS THAT AFFECT MANAGEMENT.

DETAILED SOIL MAPS AND INFORMATION ON SOILS AND SPECIFIC USES IS AVAILABLE FOR EACH OF THE COUNTIES IN DELAWARE. IN FACT, THE GENERAL SOIL MAP WAS PREPARED BY GENERALIZING INFORMATION SHOWN ON THE DETAILED SOIL MAPS IN THE PUBLISHES SOIL SURVEYS FOR NEW CASTLE COUNTY (1970) AND OF AND COUNTY (1971) AND ON THE DETAILED SOIL SURVEY FIELD SHEETS BEING PREPARED FOR PUBLICATION FOR SUSSEX COUNTY. FOR THIS DETAILED INFORMATION, PLEASE COUNTACT THE OFFICE OF THE SOIL CONSERVATION SERVICE OR THE COUNTY EXTENSION AGENT IN EACH OF THE COUNTIES.

# SOIL INTERPRETATIONS

SOIL INTERPRETATIONS

THE ACCOMPANYING INTERPRETURE TABLE, ENTITLED
"ESTIMATED SOIL LIMITATIONS FOR SELECTED USES",
PROVIDES SOIL INTERPRETATIONS FOR 6 SPECIFIC
USES FOR EACH OF THE SOIL ASSOCIATIONS HOWN
ON THE GENERAL SOIL MAP OF DELMARE. THE
APPROXIMATE PERCENT OF EACH ASSOCIATION
OCCUPIED BY EACH OF THE MAJOR SOILS AND THE
TOTAL PERCENT OF ALL THE MINOR SOILS IS SHOWN
FOR EACH OF THE SOIL ASSOCIATIONS. ESTIMATED
LIMITATIONS FOR EACH OF THE NAMED SOILS FOR
EACH OF THE 6 USES IS GIVEN IN TERMS OF SLIGHT,
MODERATE, SEVERE OR VERY SEVERE. BESIDE EACH
OF THE RATINSS THE LIMITIMS SOIL PROPERTIES OR
FEATURES ARE GIVEN BY LISTING ONE OR MORE KEY
NUMBERS. THESE KEY NUMBERS CORRESPOND WITH
THOSE LISTED IN THE "KEY TO FRINCIPAL SOIL
LIMITATIONS". MOST SOILS RATED AS "SLIGHT"
ARE ESTIMATED TO HAVE NO PRINCIPAL SOIL LIMITATIONS AND ARE NOT REFERENCED TO THE KEY.

the soils have been severely disturbed, moved about, paved or otherwise severely altered. Portions of the other soils in the association have also been disturbed. The limitation ratings are valid only for

# KEY TO PRINCIPAL SOIL LIMITATIONS

DROUGHTY
GROUNDMATER POLLUTION HAZARD
SLOW PERMEABILITY
MODERATE TO MODERATELY SLOW PERMEABILITY
ENGINEERING CLASSIFICATION OF MATERIAL
STONY SURFACE
GREERALLY HARD, MASSIVE BEDROCK AT DEPTHS
OF 4 TO 6 FEET

SOIL SERIES AND PERCENT OF SOIL ASSOCIATION THESE COLUMNS SHOW THE APPROXIMATE PERCENT OF BACH MAJOR SOIL IN EACH SOIL ASSOCIATION, AND THE TOTAL PERCENT OF ALL THE MINOR SOILS.

SEPTIC TANK ABSORPTION FIELDS
THE RATINGS ARE FOR SHALLOW, SUB-SURFACE TILE

LOCAL ROADS AND STREETS
THESE ARE IMPROVED ROADS AND STREETS HAVING
SOME KIND OF ALL-WEATHER SURFACING, COMMONLY
ASPHALT OR CONCRETE, AND ARE EXPECTED TO
CARRY AUTOMOBILE TRAFFIC ALL YEAR.

BRIEF EXPLANATIONS OF COLUMNS IN THE TABLE

DMELLINGS - MITHOUT RASEMENTS
RATINGS ARE FOR UNDISTURBED SOILS THAT ARE
EVALUATED FOR SINGLE-FAMILY DWELLINGS AND
OTHER STRUCTURES WITH SIMILAR FOUNDATION
REQUIRMENTS. EXCLUDED ARE BUILDINGS OF
MORE THAN THREE STOKELES AND OTHER BUILDINGS
WITH FOUNDATION LOADS IN EXCESS OF THOSE
EQUAL TO THREE STORY DWELLINGS. NO SPECIFIC
BEARING STRENGTH IS ESTIMATED OR IMPLIED.

DWELLINGS - WITH BASEMENTS
THIS REFERS TO DWELLINGS WITH FULL BASEMENTS:
THAT IS, THOSE THAT ARE GENERALLY EXCAVATED
TO A DEPTH OF 5 FEET OR MORE. THE SAME
QUALIFICATIONS AS GIVEN ABOVE FOR DWELLINGS WITHOUT BASEMENTS APPLY HERE EXCEPT THAT
SEASONAL HIGH WATER TABLES ARE MORE LIMITING
IN MODERATELY WELL DRAINED SOILS.

INTENSIVE CROPPING
THE RATINGS ARE BASED ON LONG TERM USE OF THE
SOILS FOR ROW CROPS OR OTHER INTENSIVE KINDS
OF FARMING REQUIRING FREQUENT USE OF TILLAGE
IMPLEMENTS.

SOIL LIMITATION CLASSES

SOIL LIMITATION CLASSES

SOILS RATED AS SLIGHT HAVE FEW OR NO LIMITATIONS
FOR THE USE SPECIFIED. SOILS RATED MODERATE
HAVE LIMITATIONS WHICH REDUCE TO SOME DEBREE
THEIR DESIRABILITY WHEN USED FOR THE PURPOSE
BEING CONSIDERED. THEN REQUIRE SOME CORRECTIVE
MEASURES, SOILS RATED SEVERE HAVE UNRAVORABLE
SOIL PROPERTIES OR FEATURES THAT SEWERLY RESTRICT THEIR USE AND DESTRABILITY FOR THE PURPOSE. A SEVERE RATURD DOES NOT MEAN THE SOIL
CANNOT BE USED FOR A SPECIFIED USE. IT DOSS
INDICATE PROBLEMS DURING OR AFTER APPLICATION
OF THE USE, UNLESS SPECIAL DESIGN, ENGINEERING
OR OTHER CORRECTIVE MEASURES ARE USUALLY GREATER
THAN ON SOILS RATED SLIGHT OR MODERATE, AND MAIN
TIMES COSTS ARE PROHEHITIVE. SOILS RATED VIEW
SEVERE HAVE EXTRIME LIMITATIONS THAT ARE NOT
GENERALLY ECONOMICALLY FEASIBLE TO CORRECT OR,
IF THEY ARE TO BE CORRECTED, MAJOR AND COSTLY
RECLAMATION IS INVOLVED.

PRESENT LAND USE, NEARNESS TO ROADS, RAILROADS, STREAMS, LAKES OR OTHER DESTRABLE FEATURES ARE NOT CONSIDERED IN THE RAITINS. LIMITATION CLASSES ARE BASED ORLY ON SOIL PROPERTIES AND FRATURES. FOR EXAMPLE, THERE ARE LARGE AREAS OF POCCMOKE AND FALLSINGTON SOILS IN WOODS. ALTHOUGH THE TREES MAY NEED TO BE REWOVED FOR A MORE INTERSE USE, THIS IS NOT CONSIDERED TO BE A SOIL LIMITATION AND, THUS, IS NOT CONSIDERED IN RAITING THE SOILS.

# COLORED CIRCLES

THE COLORED CIRCLES SHOW THE PROPORTIONATE EXTENT, OR RELATIVE PERCENTAGE, OF THE LIMITATIONS OF EACH SOIL ASSOCIATION AS A WHOLE FOR NO LIMITATIONS; PEEL USE, GREEN INDICATES SLIGHT OR NO LIMITATIONS; YELLOW, MODERATE LIMITATIONS, AND RED, SEVERE OR VERY SEVERE LIMITATIONS. ASSEMED OF A COLOR IN A PART OF A CIRCLE INDICATES THAT A PART OF THAT SOIL ASSOCIATION IS URBAN LAND AND CANNOT BE RATED. NO COLOR AT ALL IN ANY PART OF THE CIRCLE MEANS THAT THE ENTIRE SOIL ASSOCIATION IS URBAN LAND AND NOT RATED.

USDA-SOIL CONSERVATION SERVICE in cooperation with DELAWARE AGRICULTURAL EXPERIMENT STATION March 1973