

**Piedmont region, in pasture, 0-2% slopes (upland depression)**

\_\_\_\_--0 to 5 inches; very dark grayish brown (10YR 3/2) silt loam; weak fine granular; very friable, slightly sticky, slightly plastic; many very fine and fine roots and many medium roots; very strongly acid; clear smooth boundary.

\_\_\_\_--5 to 10 inches; light brownish gray (10YR 6/2) silt loam; weak medium subangular blocky structure; very friable, slightly sticky, slightly plastic; many very fine and fine roots and many medium roots; 3 percent subangular quartz gravel; very strongly acid; clear smooth boundary.

\_\_\_\_--10 to 22 inches; grayish brown (2.5Y 5/2) clay; moderate medium subangular blocky structure; firm, moderately sticky, very plastic; many very fine and fine and medium roots; many faint continuous clay films on all faces of peds; common medium prominent yellowish brown (10YR 5/6), moist, iron-manganese masses; very strongly acid; gradual wavy boundary.

\_\_\_\_--22 to 35 inches; gray (10YR 5/1) clay; moderate medium subangular blocky structure; firm, moderately sticky, very plastic; many faint continuous clay films on all faces of peds; common medium prominent yellowish brown (10YR 5/6), moist, iron-manganese masses; very strongly acid; gradual wavy boundary.

\_\_\_\_--35 to 40 inches; gray (10YR 5/1) clay; weak medium subangular blocky structure; friable, slightly sticky, moderately plastic; common fine prominent red (2.5YR 4/6) iron-manganese masses and common medium prominent yellowish brown (10YR 5/6) iron-manganese masses and common medium faint light brownish gray (10YR 6/2) iron depletions; extremely acid; gradual wavy boundary.

\_\_\_\_--40 to 60 inches; grayish brown (2.5Y 5/2) clay loam; massive structure; friable, slightly sticky, slightly plastic; very strongly acid.

**Coastal Plain: in cultivated field, 2-6% slopes**

\_\_\_\_--0 to 5 inches; dark reddish brown (5YR 3/4) sandy loam, moist and dry; weak fine granular structure; friable; common fine and medium roots; medium acid; abrupt smooth boundary.

\_\_\_\_--5 to 9 inches; dusky red (2.5YR 3/3) sandy loam, moist and dry; weak medium subangular blocky structure; friable; common fine roots; few quartz pebbles; medium acid; clear wavy boundary.

\_\_\_\_--9 to 40 inches; dark red (2.5YR 3/6) sandy clay, red (2.5YR 4/6) dry; moderate medium subangular blocky structure; friable; few distinct clay films on faces of peds; few fine roots; common small pores; common clean sand grains; very strongly acid; gradual wavy boundary.

\_\_\_\_--40 to 80 inches; dark red (10R 3/6) sandy clay, moist and dry; moderate medium subangular blocky structure; friable; common distinct clay films on faces of peds; very strongly acid.

**Blue Ridge province; on floodplain, in cultivated field, 0-2% slopes.**

\_\_\_\_--0 to 26 inches; very dark gray (10YR 3/1) black (10YR 2/1) silt loam; moderate medium granular structure; friable, sticky and slightly plastic; common fine roots; few fine flakes of mica; moderately acid; gradual smooth boundary.

\_\_\_\_--26 to 36 inches; very dark gray (10YR 3/1) loam; weak medium granular structure; friable; few fine roots; common fine flakes of mica; moderately acid; clear smooth boundary.

\_\_\_\_--36 to 43 inches; very dark gray (10YR 3/1) sandy loam; massive; very friable, slightly sticky; common fine flakes of mica; moderately acid; clear smooth boundary.

\_\_\_\_--43 to 53 inches; grayish brown (10YR 5/2) sand; few fine prominent yellowish brown (10YR 5/6) mottles; single grained; loose; common fine flakes of mica; moderately acid; clear smooth boundary.

\_\_\_\_--53 to 65 inches; gray (N 6/0) sandy clay loam with lenses of sandy loam; massive; friable, slightly sticky and slightly plastic; common fine flakes of mica; moderately acid; clear smooth boundary.

\_\_\_\_--65 to 72 inches; gray (N 6/0) loamy sand; single grained; loose; common fine flakes of mica; moderately acid.

**Piedmont province; on uplands, 6-10% slopes, forested.**

\_\_\_\_--3 to 1 inch; fresh hardwood litter.

\_\_\_\_--1 to 0 inch; partly decomposed hardwood litter.

\_\_\_\_--0 to 4 inches; very dark grayish brown (10YR 3/2) gravelly loam; weak medium granular structure; very friable; many fine and medium roots; many fine and medium flakes of mica; about 20 percent fragments of quartz and schist; moderately acid; clear smooth boundary.

\_\_\_\_--4 to 8 inches; brown (10YR 4/3) gravelly loam; weak medium subangular blocky structure; very friable; many fine and medium roots; few coarse roots; many fine and medium flakes of mica; 20 percent fragments of quartz and schist; strongly acid; clear smooth boundary.

\_\_\_\_--8 to 12 inches; brown (7.5YR 4/4) gravelly loam; weak medium subangular blocky structure; friable; common medium and coarse roots; many fine and medium flakes of mica; about 20 percent fragments of quartz and schist; small pockets of clay loam in lower part between tilted layers of broken schist extending from C horizon, make up about 15 percent by volume; strongly acid; clear wavy boundary.

\_\_\_\_--12 to 18 inches; olive gray (5Y 4/2) very channery loam; many fragments of schist have thin discontinuous clay films on surface; few small pockets of clay loam are between tilted layers of schist; very strongly acid; gradual irregular boundary.

\_\_\_\_--18 to 60 inches; weathered olive gray (5Y 4/2) mica schist, with varying degrees of hardness.

**Piedmont region, in pasture, 0-2% slopes (upland depression)**

**Ap**--0 to 5 inches; very dark grayish brown (10YR 3/2) silt loam; weak fine granular; very friable, slightly sticky, slightly plastic; many very fine and fine roots and many medium roots; very strongly acid; clear smooth boundary.

**Eg**--5 to 10 inches; light brownish gray (10YR 6/2) silt loam; weak medium subangular blocky structure; very friable, slightly sticky, slightly plastic; many very fine and fine roots and many medium roots; 3 percent subangular quartz gravel; very strongly acid; clear smooth boundary.

**Btg1**--10 to 22 inches; grayish brown (2.5Y 5/2) clay; moderate medium subangular blocky structure; firm, moderately sticky, very plastic; many very fine and fine and medium roots; many faint continuous clay films on all faces of peds; common medium prominent yellowish brown (10YR 5/6), moist, iron-manganese masses; very strongly acid; gradual wavy boundary.

**Btg2**--22 to 35 inches; gray (10YR 5/1) clay; moderate medium subangular blocky structure; firm, moderately sticky, very plastic; many faint continuous clay films on all faces of peds; common medium prominent yellowish brown (10YR 5/6), moist, iron-manganese masses; very strongly acid; gradual wavy boundary. (Combined thickness of the Btg horizon is 7 to 40 inches thick.)

**BCg**--35 to 40 inches; gray (10YR 5/1) clay; weak medium subangular blocky structure; friable, slightly sticky, moderately plastic; common fine prominent red (2.5YR 4/6) iron-manganese masses and common medium prominent yellowish brown (10YR 5/6) iron-manganese masses and common medium faint light brownish gray (10YR 6/2) iron depletions; extremely acid; gradual wavy boundary.

**Cg**--40 to 60 inches; grayish brown (2.5Y 5/2) clay loam; massive structure; friable, slightly sticky, slightly plastic; very strongly acid.

**Coastal Plain: in cultivated field, 2-6% slopes**

**Ap**--0 to 5 inches; dark reddish brown (5YR 3/4) sandy loam, moist and dry; weak fine granular structure; friable; common fine and medium roots; medium acid; abrupt smooth boundary.

**BA**--5 to 9 inches; dusky red (2.5YR 3/3) sandy loam, moist and dry; weak medium subangular blocky structure; friable; common fine roots; few quartz pebbles; medium acid; clear wavy boundary.

**Bt1**--9 to 40 inches; dark red (2.5YR 3/6) sandy clay, red (2.5YR 4/6) dry; moderate medium subangular blocky structure; friable; few distinct clay films on faces of peds; few fine roots; common small pores; common clean sand grains; very strongly acid; gradual wavy boundary.

**Bt2**--40 to 80 inches; dark red (10R 3/6) sandy clay, moist and dry; moderate medium subangular blocky structure; friable; common distinct clay films on faces of peds; very strongly acid.

**Blue Ridge province; on floodplain, in cultivated field, 0-2% slopes.**

**A1**--0 to 26 inches; very dark gray (10YR 3/1) black (10YR 2/1) silt loam; moderate medium granular structure; friable, sticky and slightly plastic; common fine roots; few fine flakes of mica; moderately acid; gradual smooth boundary.

**A2**--26 to 36 inches; very dark gray (10YR 3/1) loam; weak medium granular structure; friable; few fine roots; common fine flakes of mica; moderately acid; clear smooth boundary.

**Cg1**--36 to 43 inches; very dark gray (10YR 3/1) sandy loam; massive; very friable, slightly sticky; common fine flakes of mica; moderately acid; clear smooth boundary.

**Cg2**--43 to 53 inches; grayish brown (10YR 5/2) sand; few fine prominent yellowish brown (10YR 5/6) mottles; single grained; loose; common fine flakes of mica; moderately acid; clear smooth boundary.

**Cg3**--53 to 65 inches; gray (N 6/0) sandy clay loam with lenses of sandy loam; massive; friable, slightly sticky and slightly plastic; common fine flakes of mica; moderately acid; clear smooth boundary.

**Cg4**--65 to 72 inches; gray (N 6/0) loamy sand; single grained; loose; common fine flakes of mica; moderately acid.

**Piedmont province; on uplands, 6-10% slopes, forested.**

**Oi**--3 to 1 inch; fresh hardwood litter.

**Oe**--1 to 0 inch; partly decomposed hardwood litter.

**A**--0 to 4 inches; very dark grayish brown (10YR 3/2) gravelly loam; weak medium granular structure; very friable; many fine and medium roots; many fine and medium flakes of mica; about 20 percent fragments of quartz and schist; moderately acid; clear smooth boundary.

**Bw**--4 to 8 inches; brown (10YR 4/3) gravelly loam; weak medium granular structure; very friable; many fine and medium roots; few coarse roots; many fine and medium flakes of mica; 20 percent fragments of quartz and schist; strongly acid; clear smooth boundary.

**Bw/Bt**--8 to 12 inches; brown (7.5YR 4/4) gravelly loam; weak medium granular and subangular blocky structure; friable; common medium and coarse roots; many fine and medium flakes of mica; about 20 percent fragments of quartz and schist; small pockets of clay loam in lower part between tilted layers of broken schist extending from C horizon, make up about 15 percent by volume; strongly acid; clear wavy boundary.

**C**--12 to 18 inches; olive gray (5Y 4/2) very channery loam; many fragments of schist have thin discontinuous clay films on surface; few small pockets of clay loam are between tilted layers of schist; very strongly acid; gradual irregular boundary.

**Cr**--18 to 60 inches; weathered olive gray (5Y 4/2) mica schist, with varying degrees of hardness.