Major Land Resource Area 009X
Palouse and Nez Perce Prairies

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Ecological site keys

MLRA 9 - Eastern Section

I. Site occurs on uplands
  A. Slopes greater than 30% on northerly aspects
    1 Soils derived from decomposed schist bedrock ... R009XY009ID – North Slope Schist 16-22 PZ FEID-PSSPS
    2 Soils not derived from decomposed schist bedrock
      i. Soils are non-stony
        a. Site occurs in 12-16 PZ at 1000-2000 ft. elevation, soils are moderately deep to deep loams and silt loams ... R009XY005ID – North Slope Loamy 12-16 PZ
        b. Site occurs in 16-22 PZ at 740-4000 ft. elevation, soils are moderately deep to deep loams and silt loams ... R009XY002ID – North Slope Loamy 16-22 PZ
      ii. Soils are stony ... R009XY023ID – North Slope Stony 16-22 PZ FEID-PSSPS
  B. Slopes greater than 30% on southerly aspects
    1 Soils derived from decomposed schist bedrock ... R009XY010ID – South Slope Schist 16-22 PZ PSSPS-POSE
    2 Soils not derived from decomposed schist bedrock
      i. Soils moderately deep to deep
        a. Site occurs in 12-16 PZ Elevation 750-1800. Soils are non-stony, moderately deep to deep silt loams ... R009XY012ID – South Slope Loamy 12-16 PZ PSSPS-POSE
        b. Site occurs in 16-22 PZ. Elevation 1200-5000. Soils are moderately deep to very deep loams, silt loams, silty clay loams and clay loams ... R009XY004ID – South Slope Loamy 16-22 PZ
      ii. Soils are shallow ... R009XY026ID – Shallow South Slope Stony 16-22 PZ PSSPS-POSE
  C. Slopes less than 30% on all aspects (non-aspect sites)
    1 Soils derived from decomposed schist bedrock. ... R009XY008ID – Schist 16-22 PZ PSSPS-FEID
    2 Soils not derived from decomposed schist bedrock.
      i. No stones on surface
        a. Site occurs in 12-16 PZ. Elevation 750-2000 ft. No stones on surface. Soils moderately deep to deep loams and silt loams ... R009XY006ID – Loamy 12-16 PZ
        b. Site occurs in 16-22 PZ. Elevation 2000-4700 ft. Soils are moderately deep silt loams and clay loams ... R009XY003ID – Loamy 16-22 PZ
        c. Site occurs in 22+ PZ. Elevation 4000-5500 ft. Soils are moderately deep to deep silt loams to gravelly loams ... R009XY016ID – Loamy 22+ PZ FEID-PSSPS
      ii. Stones on surface
        a. Clay texture throughout profile ... R009XY015ID – Dense Stony Clay 22+ PZ DACA3-JUBA
        b. Loamy textures in upper profile
          1) Soils are 20” or greater in depth

a) Site occurs in 12-16PZ. Elevation 700-1800 ft. Soils are very stony to extremely stony silt loam, clay loam or sandy loam ... R009XY011ID – Stony Loam 12-16 PZ PSSPS-POSE

b) Site occurs in 22+ PZ. Elevation 2300-4300 ft. Soils are stony silt loams ... R009XY028ID – Stony Loam 22+ PZ FEID-PSSPS

2) Soils are less than 20” in depth with slopes less than 30% ... R009XY001ID – Shallow Stony Loam 16-22 PZ

3) Soils usually less than 10” deep. Slopes 10-60% ... R009XY017ID – Very Shallow 12-22 PZ PSSPS-POSE

II. Site occurs on bottomlands (slopes less than 5%)

A. Soil surface is non-stony

1 Water at or near the surface at beginning of growing season and down to 20-40 inches at the end of the growing season ... R009XY018ID – Meadow

2 Water at or near the surface at beginning of the growing season and greater than 40 inches at the end of the growing season ... R009XY019ID – Dry Meadow

3 Subsoil is mixed gravelly and sandy alluvium ... R009XY032ID – Riparian DECA5-CAREX

B. Stones on surface

1 Water table at 36-90”. Soil depth shallow to deep ... R009XY031ID – Stony Riparian POBAT-ALNUS/ELYMU

2 Water table greater than 60 “. Soil depth greater than 60” ... R009XY033ID – Stony Bottomland SYAL/PSSP6