

Iowa Upland Soil Data Base: Site description and location.  
Western Loess Hills Region of Peoria Loess

DP Denison Prairie, native grassland prairie

TR Treynor, cultivated watershed

R Ridgetop position

U Upper midslope position (erosional)

L Lower slope position (depositional)

DPPR1 Dinesen Prairie Profile at Ridgetop site 1. Dinesen Prairie is located in western Iowa near the town Harlan, Shelby County. From Harlan take county highway M36, 3 mi. north and 1.25 mi. east. Then turn north on an unimproved road 0.25 mi., the prairie is on the east side of the road. Ridgetop site 1 described by J. Harden on 5/8 & 5/10/98. Local slope 0-3%. DPPR2, 3 and 4 all sampled within a 5m x 7m area. From the southern most fence post of the south end of the entrance to Dinesen Prairie walk on a bearing of N58W for 61m. This is the center of the area sampled.

DPPR2 Dinesen Prairie Profile at Ridgetop site 2. Described and sampled by J.Harden 5/8/98. Sampled with H-rings and modified shelby (AMS) tube.

DPPR3 Dinesen Prairie Profile at Ridgetop site 3. Described and sampled by J. Harden and R. Haughey 5/10/98. Sampled with H-rings and modified shelby (AMS) tube.

DPPR4 Dinesen Prairie Profile at Ridgetop site 4. Described and sampled by J. Harden, R. Haughey and L. Kramer 5/11/98. Sampled from 80-300cm using Giddings, pick-up truck mounted, hydraulic coring device.

Other DPIR, DPPR samples. Dinesen Prairie samples using shelby AMS tube or Hring. Sites located within DPR locations (Fig. 1).

DPPU2 Dinesen Prairie Profile at Upperslope site 2. At the north end of the driveway - from the northern most fence post that makes up the exit to the Dinesen Prairie parking area - walk 38m north along the fence then proceed 86m east perpendicular to the fence. This puts you in the center of the area sampled for all DPPU. Local slope 10-15%. Samples taken using a modified shelby (AMS) tube by T.Huntington 5/14/97. Sampled for incubations on 10/9/87 by J. Harden. All DPPU samples taken within a 5m x 6m area.

DPPU6 Dinesen Prairie Profile at Upperslope site 6. Described and sampled by J. Harden, R. Haughey and L. Kramer 5/11/98. Sampled from 80-200cm using Giddings.

Other DPU sample (DPIU,DPPU,DPU). Dinesen Prairie samples using shelby AMS tube or Hring. Sites located within DPR locations (Fig. 1).

DPPL2 Dinesen Prairie Profile at Lowslope site 2. From center of DPPU site walk downslope perpendicular to contours then 2m to the west. This is the center of the DPPL site. Local slope 2-5%. Sampled by T. Huntington 5/14/97 with modified shelby (AMS) tube. Sampled for incubations on 10/6 and 10/10/97 by J. Harden. All DPPL samples taken within a 6m x 6m area.

DPPL6 Dinesen Prairie Profile at Lowslope site 6. Described and sampled by J. Harden, R. Haughey, L. Kramer 5/11/98. Sampled using Giddings coring rig.

Other DPL samples (DPIL,DPPL) Dinesen Prairie samples using shelby AMS tube or Hring. Sites located within DPR locations (Fig. 1).

TRPR1-3 Treynor Profile at Ridgetop sites (Fig. 1) . These sites are located southwest of the town of Treynor at Experimental Watershed 11 of the USDA-ARS National Soil Tilth Laboratory, Deep Loess Research Station. Described and sampled by J. Harden 5/12/98. Corn field with grass hedges; corn recently harvested. Local slope 0-2%. Sampled with modified shelby (AMS) tube and Giddings, behind E-W trending ridge.

TRIF2,3. Treynor fallow plot at ridgetop site TRPR1 (Fig. 1). Described and sampled by J. Harden with modified shelby AMS tube or H-ring sampler.

TRIR2 Treynor fallow plot at ridgetop site TRPR1 (Fig. 1). Described and sampled by J. Harden with modified shelby AMS tube or H-ring sampler.

TRIFC1,2 Fallow control plot at Treynor ridgetop site TRPR2 (Fig. 1). Described and sampled by J. Harden with modified shelby AMS tube or H-ring sampler.

TRNF1-2 Treynor New Fallow at Ridgetop (Fig. 1). Local slope 0-1%. Described and sampled by J. Harden 7/23/97. Sampled for incubations 10/7/97. Sampled with modified shelby (AMS) tube.

TRPU1 Treynor Profile at Upperslope site 1. Described and sampled by J. Harden and T. Fries 4/8/97.. Local slope 8%. Sampled with modified shelby (AMS) tube and whomper bulk density sampler

Other TRU (TRPU, TRIU) samples. Treynor Profile at Upperslope site 1. Described and sampled by J. Harden or K.Manies. Sampled with modified shelby AMS tube or H-ring sampler.

TRPL1 Treynor Profile at Lowslope site 1. Described and sampled by J. Harden and T. Fries 4/8/97. Sampled for incubations on 10/7/07. Sampled using modified shelly (AMS) tube and whomper.

TRPL5 Treynor Profile at Lowslope site 5. Described and sampled by J. Harden, R. Haughy and L. Kramer 5/11/98. Sampled using Giddings coring rig.

Other TRL (TRPL, TRIL) samples. Treynor Profile at Upperslope site 1. Described and sampled by J. Harden or K. Manies. Sampled with modified shelly AMS tube or H-ring sampler.