

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018

Description Date: May 10 2018

Describer: Josh Paul

NEON Plot ID: BARR_001

Site ID: S2018AK185001

Pedon ID: S2018AK185001

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1934

Soil Name as Described/Sampled: LCP Typic Histoturbels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain

low-center polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: histic epipedon 0 to 23 cm.
reduced matrix 23 to 100 cm.
cryoturbation 23 to 100 cm.
permafrost 56 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2439500

Std Longitude: -156.4218990

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185001

Pedon ID: S2018AK185001

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
0.0	4.0									

; .

Oi--0 to 14 centimeters (0.0 to 5.5 inches); peat; . Lab sample # 18N05552

Oe--14 to 23 centimeters (5.5 to 9.1 inches); mucky peat; . Lab sample # 18N05553

Cgjj/Oajj--23 to 56 centimeters (9.1 to 22.0 inches); silty clay loam, muck; . Lab sample # 18N05554

Cgjff/Oajjf--56 to 100 centimeters (22.0 to 39.4 inches); silt loam, mucky peat; . Lab sample # 18N05611, 18N05555

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Josh Paul
NEON Plot ID: BARR_004
Site ID: S2018AK185004

Pedon ID: S2018AK185004

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1935

Soil Name as Described/Sampled: HCP Glacic Aquiturbels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain
high-center polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 34 cm.
reduced matrix 10 to 52 cm.
redox concentrations 10 to 34 cm.
permafrost 34 to 100 cm.
glacic layer 52 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2412820

Std Longitude: -156.5033210

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185004

Pedon ID: S2018AK185004

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
2.0	6.0									

Oi--0 to 10 centimeters (0.0 to 3.9 inches); peat; . Lab sample # 18N05556

Cg--10 to 34 centimeters (3.9 to 13.4 inches); very fine sandy loam; 30 percent medium prominent irregular 7.5YR 5/6) masses of oxidized iron with clear boundaries Throughout. Lab sample # 18N05557

Cf--34 to 52 centimeters (13.4 to 20.5 inches); very fine sandy loam; . Lab sample # 18N05558

Wf--52 to 100 centimeters (20.5 to 39.4 inches); water; .

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Dennis Mulligan
NEON Plot ID: BARR_005
Site ID: S2018AK185005

Pedon ID: S2018AK185005

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1936

Soil Name as Described/Sampled: HCP Typic Aquiturbels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain
high-center polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 33 cm.
reduced matrix 18 to 100 cm.
cryoturbation 18 to 100 cm.
redox concentrations 33 to 62 cm.
permafrost 62 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2423790

Std Longitude: -156.3126320

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185005

Pedon ID: S2018AK185005

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	1.0									

Oe--0 to 18 centimeters (0.0 to 7.1 inches); mucky peat; . Lab sample # 18N05559

Ajj/Cgjj--18 to 33 centimeters (7.1 to 13.0 inches); very fine sandy loam; . Lab sample # 18N05560

Cgjj/Ajff1--33 to 62 centimeters (13.0 to 24.4 inches); very fine sandy loam; 5 percent medium prominent irregular 10YR 5/6) masses of oxidized iron with clear boundaries Throughout. Lab sample # 18N05561

Cgjj/Ajff2--62 to 100 centimeters (24.4 to 39.4 inches); very fine sandy loam; . Lab sample # 18N05562

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Nathan Parry
NEON Plot ID: BARR_008
Site ID: S2018AK185008

Pedon ID: S2018AK185008

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1937

Soil Name as Described/Sampled: HL typic Glacistels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain

ice wedge polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: fibric soil materials 0 to 32 cm.
sapric soil materials 32 to 56 cm.
glacic layer 56 to 100 cm.
permafrost 56 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2516370

Std Longitude: -156.4518000

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185008

Pedon ID: S2018AK185008

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	3.0									

Oi--0 to 32 centimeters (0.0 to 12.6 inches); peat; . Lab sample # 18N05563

Oa--32 to 56 centimeters (12.6 to 22.0 inches); mucky peat; . Lab sample # 18N05564

Wf--56 to 100 centimeters (22.0 to 39.4 inches); water; .

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Dennis Mulligan
NEON Plot ID: BARR_011
Site ID: S2018AK185011

Pedon ID: S2018AK185011

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1938

Soil Name as Described/Sampled: LCP Terric Hemistels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain

low-center polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: fibric soil materials 0 to 4 cm.
hemic soil materials 4 to 56 cm.
cryoturbation 24 to 56 cm.
reduced matrix 24 to 56 cm.
permafrost 56 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.3028660

Std Longitude: -156.6238910

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185011

Pedon ID: S2018AK185011

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
2.0	2.0									

Oi--0 to 4 centimeters (0.0 to 1.6 inches); peat; .

Oe--4 to 24 centimeters (1.6 to 9.4 inches); mucky peat; . Lab sample # 18N05565

Oe/Cgjj--24 to 56 centimeters (9.4 to 22.0 inches); fine sandy loam, mucky peat; . Lab sample # 18N05566

Cf--56 to 100 centimeters (22.0 to 39.4 inches); very fine sandy loam; . Lab sample # 18N05567

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Nathan Parry
NEON Plot ID: BARR_012
Site ID: S2018AK185012

Pedon ID: S2018AK185012

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1939

Soil Name as Described/Sampled: HCP Typic Aquiturbels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain
high-center polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 29 cm.
reduced matrix 12 to 100 cm.
redox concentrations 12 to 29 cm.
cryoturbation 29 to 100 cm.
permafrost 60 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2536380

Std Longitude: -156.3812600

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185012

Pedon ID: S2018AK185012

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
2.0	2.0									

Oe--0 to 12 centimeters (0.0 to 4.7 inches); mucky peat; . Lab sample # 18N05568

Bg--12 to 29 centimeters (4.7 to 11.4 inches); silt loam; 2 percent fine prominent irregular 7.5YR 4/6 masses of oxidized iron with clear boundaries Throughout. Lab sample # 18N05569

Cgjj/Oajj--29 to 60 centimeters (11.4 to 23.6 inches); silt loam, muck; . Lab sample # 18N05570

Cgjff/Oajjf--60 to 100 centimeters (23.6 to 39.4 inches); silt loam, muck; . Lab sample # 18N05571

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Dennis Mulligan
NEON Plot ID: BARR_014
Site ID: S2018AK185014

Pedon ID: S2018AK185014

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1940

Soil Name as Described/Sampled: LCP Typic Histoturbels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain

low-center polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: hemic soil materials 0 to 51 cm.
reduced matrix 27 to 100 cm.
redox concentrations 27 to 51 cm.
cryoturbation 27 to 100 cm.
permafrost 51 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2986180

Std Longitude: -156.6486470

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185014

Pedon ID: S2018AK185014

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	1.0									

Oe--0 to 27 centimeters (0.0 to 10.6 inches); mucky peat; . Lab sample # 18N05572

Oejj/Cgjj--27 to 51 centimeters (10.6 to 20.1 inches); fine sandy loam, mucky peat; 15 percent fine prominent irregular 7.5YR 4/6 masses of oxidized iron with clear boundaries Throughout. Lab sample # 18N05573

Cgjff/Oejjf--51 to 100 centimeters (20.1 to 39.4 inches); fine sandy loam, mucky peat; . Lab sample # 18N05574

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Dennis Mulligan
NEON Plot ID: BARR_015
Site ID: S2018AK185015

Pedon ID: S2018AK185015

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1941

Soil Name as Described/Sampled: HL Typic Aquiturbels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain

ice wedge polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: cryoturbation 0 to 40 cm.
reduced matrix 0 to 100 cm.
permafrost 40 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2670690

Std Longitude: -156.5630650

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185015

Pedon ID: S2018AK185015

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	4.0									

Cgjj/Oejj--0 to 40 centimeters (0.0 to 15.7 inches); silt loam, mucky peat; . Lab sample # 18N05575

Cfg--40 to 100 centimeters (15.7 to 39.4 inches); silt loam; .

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Dennis Mulligan
NEON Plot ID: BARR_018
Site ID: S2018AK185018

Pedon ID: S2018AK185018

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1942

Soil Name as Described/Sampled: VPD Typic Aquorthels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
lakebed

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: reduced matrix 0 to 100 cm.
ochric epipedon 0 to 30 cm.
permafrost 61 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.3065550

Std Longitude: -156.6174300

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185018

Pedon ID: S2018AK185018

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
2.0	1.0									

Oe--0 to 10 centimeters (0.0 to 3.9 inches); mucky peat; . Lab sample # 18N05577

Cg1--10 to 30 centimeters (3.9 to 11.8 inches); silt loam; 20 percent coarse prominent irregular 7.5YR 5/6 masses of oxidized iron with clear boundaries Throughout. Lab sample # 18N05578

Cg2--30 to 61 centimeters (11.8 to 24.0 inches); silt loam; . Lab sample # 18N05579

Cfg--61 to 100 centimeters (24.0 to 39.4 inches); silt loam; .

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Dennis Mulligan
NEON Plot ID: BARR_019
Site ID: S2018AK185019

Pedon ID: S2018AK185019

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1943

Soil Name as Described/Sampled: HL Typic Hemistels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain

ice wedge polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: hemic soil materials 0 to 100 cm.
cryoturbation 54 to 100 cm.
permafrost 54 to 100 cm.
reduced matrix 54 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2265240

Std Longitude: -156.5470690

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185019

Pedon ID: S2018AK185019

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
0.0	7.0									

Oe--0 to 54 centimeters (0.0 to 21.3 inches); mucky peat; . Lab sample # 18N05581

Oejjf/Cjff--54 to 100 centimeters (21.3 to 39.4 inches); silt loam, mucky peat; . Lab sample # 18N05582

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Dennis Mulligan
NEON Plot ID: BARR_021
Site ID: S2018AK185021

Pedon ID: S2018AK185021

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1944

Soil Name as Described/Sampled: VPD Typic Aquiturbels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
lakebed

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 11 cm.
cryoturbation 11 to 100 cm.
reduced matrix 11 to 100 cm.
permafrost 56 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2556400

Std Longitude: -156.5508600

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185021

Pedon ID: S2018AK185021

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	4.0									

Oe--0 to 11 centimeters (0.0 to 4.3 inches); mucky peat; .

Cgjj/O1--11 to 32 centimeters (4.3 to 12.6 inches); silt loam, mucky peat; . Lab sample # 18N05583

Cgjj/O2--32 to 56 centimeters (12.6 to 22.0 inches); silt loam, mucky peat; . Lab sample # 18N05584

Cgjff/Ojff--56 to 100 centimeters (22.0 to 39.4 inches); silt loam, mucky peat; . Lab sample # 18N05585

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Nathan Parry
NEON Plot ID: BARR_022
Site ID: S2018AK185022

Pedon ID: S2018AK185022

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1945

Soil Name as Described/Sampled: LCP Glacic Histoturbels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain

low-center polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: histic epipedon 0 to 30 cm.
cryoturbation 30 to 52 cm.
reduced matrix 30 to 52 cm.
glacic layer 52 to 100 cm.
permafrost 52 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2464930

Std Longitude: -156.3956750

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185022

Pedon ID: S2018AK185022

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	3.0									

Oe--0 to 30 centimeters (0.0 to 11.8 inches); mucky peat; . Lab sample # 18N05586

Cgjj/Oajj--30 to 52 centimeters (11.8 to 20.5 inches); very fine sandy loam, muck; . Lab sample # 18N05587

Wf--52 to 100 centimeters (20.5 to 39.4 inches); water; .

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Josh Paul
NEON Plot ID: BARR_024
Site ID: S2018AK185024

Pedon ID: S2018AK185024

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1946

Soil Name as Described/Sampled: LCP Terric Hemistels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain

low-center polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: hemic soil materials 0 to 54 cm.
redox concentrations 25 to 80 cm.
reduced matrix 26 to 100 cm.
cryoturbation 26 to 80 cm.
permafrost 80 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.3060450

Std Longitude: -156.6402980

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185024

Pedon ID: S2018AK185024

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	1.0									

Oe--0 to 26 centimeters (0.0 to 10.2 inches); mucky peat; . Lab sample # 18N05588

Ojj/Cgjj--26 to 54 centimeters (10.2 to 21.3 inches); very fine sandy loam, mucky peat; . Lab sample # 18N05589

Cgjj/Oejj--54 to 80 centimeters (21.3 to 31.5 inches); very fine sandy loam, mucky peat; 30 percent fine prominent irregular 10YR 5/6 masses of oxidized iron with clear boundaries Throughout. Lab sample # 18N05590

Cf--80 to 100 centimeters (31.5 to 39.4 inches); fine sandy loam; . Lab sample # 18N05591

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018

Description Date: May 10 2018

Describer: Josh Paul

NEON Plot ID: BARR_026

Site ID: S2018AK185026

Pedon ID: S2018AK185026

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1947

Soil Name as Described/Sampled: VPD Typic Histoturbels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
lakebed

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: histic epipedon 0 to 39 cm.
cryoturbation 39 to 100 cm.
permafrost 70 to 100 cm.
reduced matrix 70 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2685060

Std Longitude: -156.6514930

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185026

Pedon ID: S2018AK185026

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
0.0	5.0									

Oe--0 to 39 centimeters (0.0 to 15.4 inches); mucky peat; . Lab sample # 18N05592

Ajj--39 to 70 centimeters (15.4 to 27.6 inches); highly organic very fine sandy loam; . Lab sample # 18N05593

ACjff/Oajff--70 to 100 centimeters (27.6 to 39.4 inches); very fine sandy loam, muck; . Lab sample # 18N05594

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Nathan Parry
NEON Plot ID: BARR_027
Site ID: S2018AK185027

Pedon ID: S2018AK185027

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1948

Soil Name as Described/Sampled: VPD Typic Histoturbels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
lakebed

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: histic epipedon 0 to 24 cm.
reduced matrix 24 to 100 cm.
cryoturbation 24 to 49 cm.
permafrost 49 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.3165560

Std Longitude: -156.6213230

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185027

Pedon ID: S2018AK185027

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	1.0									

Oe--0 to 24 centimeters (0.0 to 9.4 inches); mucky peat; . Lab sample # 18N05595

Cgjj/Oejj--24 to 49 centimeters (9.4 to 19.3 inches); silt loam, mucky peat; . Lab sample # 18N05596

Cfg--49 to 100 centimeters (19.3 to 39.4 inches); silt loam; . Lab sample # 18N05597

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018

Description Date: May 10 2018

Describer: Josh Paul

NEON Plot ID: BARR_028

Site ID: S2018AK185028

Pedon ID: S2018AK185028

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1949

Soil Name as Described/Sampled: LCP Typic Aquiturbels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain

low-center polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 50 cm.
cryoturbation 7 to 100 cm.
permafrost 63 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2499740

Std Longitude: -156.5281980

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185028

Pedon ID: S2018AK185028

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	5.0									

OA--0 to 7 centimeters (0.0 to 2.8 inches); highly organic silt loam; .

Cgjj/O--7 to 50 centimeters (2.8 to 19.7 inches); silt loam, mucky peat; . Lab sample # 18N05598

Wf--50 to 63 centimeters (19.7 to 24.8 inches); water; .

O/Cgjff--63 to 100 centimeters (24.8 to 39.4 inches); silt loam, mucky peat; . Lab sample # 18N05599

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Nathan Parry
NEON Plot ID: BARR_031
Site ID: S2018AK185031

Pedon ID: S2018AK185031

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1950

Soil Name as Described/Sampled: ALL Fluvaquentic Aquorthels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
flood plain

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 52 cm.
reduced matrix 15 to 100 cm.
redox concentrations 15 to 52 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2518960

Std Longitude: -156.5104510

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185031

Pedon ID: S2018AK185031

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
2.0	2.0									

Oe--0 to 15 centimeters (0.0 to 5.9 inches); mucky peat; . Lab sample # 18N05600

Cg/O--15 to 52 centimeters (5.9 to 20.5 inches); stratified mucky peat to very fine sandy loam; 9 percent clay; 15 percent medium prominent irregular 10YR 5/6 masses of oxidized iron with diffuse boundaries. Lab sample # 18N05601

Cf--52 to 100 centimeters (20.5 to 39.4 inches); very fine sandy loam; 15 percent clay; . Lab sample # 18N05602

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Josh Paul
NEON Plot ID: BARR_037
Site ID: S2018AK185037

Pedon ID: S2018AK185037

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1951

Soil Name as Described/Sampled: HCP Glacic haplorthels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain
high-center polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: histic epipedon 0 to 36 cm.
glacic layer 36 to 77 cm.
reduced matrix 77 to 120 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2499190

Std Longitude: -156.4855050

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185037

Pedon ID: S2018AK185037

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
2.0	3.0									

Oe--0 to 36 centimeters (0.0 to 14.2 inches); mucky peat; . Lab sample # 18N05603

Wf--36 to 77 centimeters (14.2 to 30.3 inches); water; .

Cgf/Of--77 to 120 centimeters (30.3 to 47.2 inches); silt loam, mucky peat; . Lab sample # 18N05604

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Nathan Parry
NEON Plot ID: BARR_084
Site ID: S2018AK185084

Pedon ID: S2018AK185084

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1952

Soil Name as Described/Sampled: HCP Sapric Glacistels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain
high-center polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: to cm.

hemic soil materials 0 to 10 cm.
sapric soil materials 10 to 35 cm.
glacic layer 35 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2477380

Std Longitude: -156.4447450

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185084

Pedon ID: S2018AK185084

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
1.0	3.0									

Oe--0 to 10 centimeters (0.0 to 3.9 inches); mucky peat; . Lab sample # 18N05605

Oa/Ajj--10 to 35 centimeters (3.9 to 13.8 inches); silt loam, muck; . Lab sample # 18N05606

Wf/Oajjf--35 to 100 centimeters (13.8 to 39.4 inches); muck, water; . Lab sample # 18N05607

PEDON DESCRIPTION -- NEON Site BARR

Print Date: Nov 10 2018
Description Date: May 10 2018
Describer: Nathan Parry
NEON Plot ID: BARR_085
Site ID: S2018AK185085

Pedon ID: S2018AK185085

Site Note:

Pedon Note:

Lab Source ID: KSSL

Lab Pedon #: 18N1953

Soil Name as Described/Sampled: HL Typic Aquiturbels

Classification:

Soil Name as Correlated:

Classification:

Pedon Type:

Pedon Purpose: research site

Taxon Kind:

Associated Soils:

Physiographic Division:

Physiographic Province:

Physiographic Section:

State Physiographic Area:

Local Physiographic Area:

Geomorphic Setting: coastal plain
plain

ice wedge polygon

Upslope Shape:

Cross Slope Shape:

Particle Size Control Section:

Description origin: NASIS

Diagnostic Features: ochric epipedon 0 to 9 cm.
cryoturbation 0 to 100 cm.

Country: United States

State: Alaska

County: North Slope Borough

MLRA: 246 -- Arctic Coastal Plain

Soil Survey Area: AK246 -- Arctic Coastal Plain
1-FAI -- Fairbanks, Alaska

Map Unit:

Pit Location:

Quad Name:

Std Latitude: 71.2636090

Std Longitude: -156.6043700

Latitude:

Longitude:

Datum:

UTM Zone:

UTM Easting:

UTM Northing:

Primary Earth Cover:

Secondary Earth Cover:

Existing Vegetation:

Parent Material:

Bedrock Kind:

Bedrock Depth:

Bedrock Hardness:

Bedrock Fracture Interval:

Surface Fragments:

Description database: KSSL

Cont. Site ID: S2018AK185085

Pedon ID: S2018AK185085

Slope (%)	Elevation (meters)	Aspect (deg)	MAAT (C)	MSAT (C)	MWAT (C)	MAP (mm)	Frost-Free Days	Drainage Class	Slope Length (meters)	Upslope Length (meters)
2.0	5.0									

Oeij/Ajj--0 to 9 centimeters (0.0 to 3.5 inches); highly organic very fine sandy loam, mucky peat; . Lab sample # 18N05608

A/Oajj--9 to 55 centimeters (3.5 to 21.7 inches); highly organic very fine sandy loam, muck; . Lab sample # 18N05609

ACjif--55 to 100 centimeters (21.7 to 39.4 inches); highly organic very fine sandy loam; . Lab sample # 18N05610