

Site name: Hayward's Paha Transect Site G 22 W-Number: 66446

Location: T-86 N R-13 W section 36 NE1/4 NE1/4 SE1/4

Landscape:

Parent material: loess

Soil Series:

Vegetation:

Slope: %

Elevation: 1005 ft.

Quadrangle: Dysart

Date Drilled:

Described by: George Hallberg

Landowner: IGS

Remarks:

GPS:

Depth (ft)	Horizon /W. Zone	Description
Peoria Formation		
0.0-5.1'	OL	dark yellowish brown (10YR 4/4) to yellowish brown (10YR 5/4) silt loam; loess
5.1-7.0'	MOL	dark yellowish brown (10YR 4/4) to yellowish brown (10YR 5/4) silt loam; Common, yellowish brown, olive brown mottles; sandy loess and eolian sand
Wolf Creek Formation-- Hickory Hills Till Mbr.		
7.0-8.2'	MRL	pale olive (5Y 5/4) loam with pebbles; mixed colors and mottles of olive brown (2.5Y 4/4) to olive brown (2.5Y 5/4), brown (7.5YR 5/4), and dark yellowish brown (10YR 4/4) to yellowish brown (10YR 5/6); noneffervescent; leached; till
8.2-9.9'	OL	olive brown (2.5Y 5/4) to yellowish brown (10YR 5/4) loam with pebbles; noneffervescent; leached; till
9.9-10.8'	OU	olive brown (2.5Y 5/4) to yellowish brown (10YR 5/4) loam with pebbles; effervescent; calcareous
10.8-11.7'	MRU	pale olive (5Y 5/4) with abundant mottles; olive brown (2.5Y 5/4) to yellowish brown (10YR 5/4) loam with pebbles
11.7-12.8'	RJU	olive (5Y 4/4) very dark grayish brown (2.5Y 3/2) loam with pebbles; common gray (5Y 5/1) and olive brown (2.5Y 5/4) mottles; prominent vertical joints with strong brown (7.5YR 5/8) color; till

Depth (ft)	Horizon /W. Zone	Description
<i>Wolf Creek Formation-- Unnamed silts; Dysart Paleosol</i>		
12.8-13.5'	IAb	Banded black (N20) and gray (5Y 5/1) silty clay loam, rich in organic debris; may form complex Ab horizon with paleosol below
13.5-18.3'	IIB2tgb	Gray (5Y 6/1, with some areas and mottles of 5GY 5/1, and 2.5Y 6.2) variable texture, clay, silty clay, clay loam; moderate to strong fine subangular blocky structure; nearly continuous moderate and few thick clay coatings; paleosol developed in crudely stratified fine-textured materials
18.3-19.9'	IIB3tgb	Gray (5Y 6/1, with some areas and mottles of 5GY 5/1, and 2.5Y 6.2) variable texture, clay, silty clay, clay loam; many light brownish gray (2.5Y 6/2) and brown (7.5YR 5/4) to strong brown (7.5YR 5/6) mottles; moderate fine subangular blocky structure; discontinuous clay films; paleosol developed in crudely stratified fine-textured materials; some more massive sand and silt lenses
<i>Wolf Creek Formation-- Aurora Till Mbr.</i>		
19.9-22.1'	IIB3tgb	Gray (5Y 6/1, with some areas and mottles of 5GY 5/1, and 2.5Y 6.2) variable texture, clay, silty clay, clay loam; many light brownish gray (2.5Y 6/2) and brown (7.5YR 5/4) to strong brown (7.5YR 5/6) mottles; moderate fine subangular blocky structure; discontinuous clay films; paleosol formed in till; some more massive sand and silt lenses
22.1-27.4'	RL	pale olive (5Y 6/4) to pale olive (5Y 5/4) loam with pebbles; light yellowish brown (2.5Y 6/4) and few yellowish brown (10YR 5/4) mottles; noneffervescent; leached; till
27.4-29.4'	MOL	pale olive (5Y 6/4) to pale olive (5Y 5/4) loam with pebbles; light yellowish brown (2.5Y 6/4) and few yellowish brown (10YR 5/4) mottles; noneffervescent; leached; till
29.4-34.4'	MOL2-MOU2	Till, with secondary carbonates
34.4-44.4	MOU	Till,-calcareous