

UNIT	HORIZON	LITHOLOGY	MATRIX TEXTURE	COARSE FRACTION		MATRIX COLOR	ORGANIC MATERIAL	STRUCTURES	
				Pebbles	Cobbles			Depositional and/or soil structure	Tectonic Deformation
7O	O	Modern forest litter	Forest litter			10 YR 2/2	Leaves, woody fragments, and other organic detritus.	Surface soil organic horizon	None
7A	A	Sandy silt	Sandy clay loam	2-5%	<1%	5 YR 3/3	Roots: f 2 sh, m 2 sh, c 1 sh	Surface soil, soil structure: 1 f sbk	None
7Bw	Bw	Sandy silt with pebbles	Sandy loam	5-10%	<2%	5 YR 4/4	Roots: 1 f sh; 2 m sh	Surface soil, soil structure: 1 f gr	None
7BC	BC	Sandy silt with pebbles	Sandy loam	10-20%	<1%	7.5 YR 4/4	Roots: 1 f sh; 2 m sh	Surface soil, soil structure: 1 f gr	None
5		Sandy silty gravel	Sandy loam	20-30%	10-15%	Varies	None	None	None
4B	buried B	Sandy silt	Sandy clay	0-20%	2%	10 YR 6/6	Roots: f 1 sv, m 2 sv, vc 1 v	Buried soil, soil structure: 1 f gr	Cut by F1
4BC	buried BC	Sandy silt with pebbles	Sandy loam	30%	5%	10 YR 6/6	Roots: f 1 sv, m 1 sv	Buried soil, soil structure: 1 f gr, disturbed by deep tree wells.	None
3B		Silty sand	Sandy loam	10%	<1%	10 YR 6/6	Roots: f 1 sv	None	Cut by F1
3Ac		Silty sandy gravel	Sandy loam	30%	5%	7.5 YR 4/4	Roots: 2 f sh, 1 m sh	None	Cut by F1 and possibly F2
3Ag		Silty sandy gravel	Sandy loam	30-40%	2%	10 YR 6/3	Roots: 2 f sh, 1 m sh	Weak sub-horizontal bedding of pebbles at base of unit	Cut and possibly rotated by F1
3As		Silty sand	Sandy loam	15-20%	None	2.5 Y 6/4	Roots: 1 f sh, 1 m sh	Weak sub-horizontal bedding at base of unit.	Cut and possibly rotated by F1
2B	buried B	Pebbly silt	Sandy clay loam	10-20%	None	10 YR 6/6	Roots: vf 1 sv, m 1 sv, co 1 sv	Buried soil, soil structure: 1 gr 1	Cut and plowed into wedge by F1
1B		Sandy gravel	Loamy sand	50%	5-10%	2.5 Y 6//4	Roots: 1 f sh, 1 m sh	Clast fabric is disrupted. Clasts between F1 and F2 are parallel to faults and rotated to vertical in hanging wall.	Cut, displaced, and clasts rotated by F1 and F2
1Aa		Sand	Loamy sand	10-20%	2%	2.5 Y 5/3	None	Planar and weak cross-bedding.	Cut and displaced by F1
1Ab		Pebbly sand	Sand	60%	2-5%	2.5 YR 5/3	None	Clasts imbricated in places; weak cross-bedding and planar beds within sandy pockets.	Cut and displaced by F1 and F2
1Ac		Sandy pebble-cobble	Sandy loam	60%	10%	2.5 Y 6/4	None	Clasts imbricated in places. Sand pockets have weak planar bedding.	Cut by F1 and F2
1Ae		Sand	Sand	40-50%	25-30%	2.5 Y 6/4	None	None	None

**Figure 10:** Log and unit description of Stellar's Jay trench. Unit designations are based on lithology, stratigraphic position, and inferred age. Texture, root terms, and soil horizon terms follow Natural Resources Conservation Service notation and description (Schoeneberger et al., 2002). Primary color is dominant Munsell color taken dry.