

Unit Descriptions:

- A/E SOIL HORIZON ON POST-PROVO EOLIAN DEPOSIT
Grayish brown (10YR5/2.5,d) silty fine SAND to fine sandy SILT; plastic, nonsticky; massive, many pores and root tubules
- EOLIAN DEPOSIT OVERLYING POST-PROVO SOIL
Brown (10YR 5/3, m) massive, fine sandy SILT in upper part (Eolian Deposit). Lower part of unit is pale brown to brown (10YR 5.5/3, m) sandy clayey SILT; slightly redder on soil ped faces (Cambic B soil horizon developed on Bonneville deep-water sediment)
- BONNEVILLE DEEP-WATER (BLOCKY) FACIES
Light gray to gray (10YR 6/1,m) mottled with white; very fine sandy clayey SILT; irregular coarse angular blocky structure; plastic, sticky; abundant ostracodes; manganese or iron-oxide staining along root tubules; abrupt lower contact
- BONNEVILLE DEEP-WATER (LAMINATED) FACIES
Pale brown (10YR 6/3, m) fine sandy SILT (sandy marl); fines upwards; well bedded, thinly laminated, laminae commonly <1mm; abundant ostracodes
- POST-STANSBURY TRANSGRESSIVE FACIES
Alternating light yellowish brown and light brownish gray silty to clayey SAND; well bedded; beds are generally 2 to 5 cm thick; crossbedded; clayey interbeds < 2 cm thick; gradational lower contact
- STANSBURY REGRESSIVE FACIES
Lenses of light gray very fine sand with interbedded silt in upper part of unit (white); generally fines downward, thinly bedded silty and clayey sand at western end of trench below discontinuous sand lenses

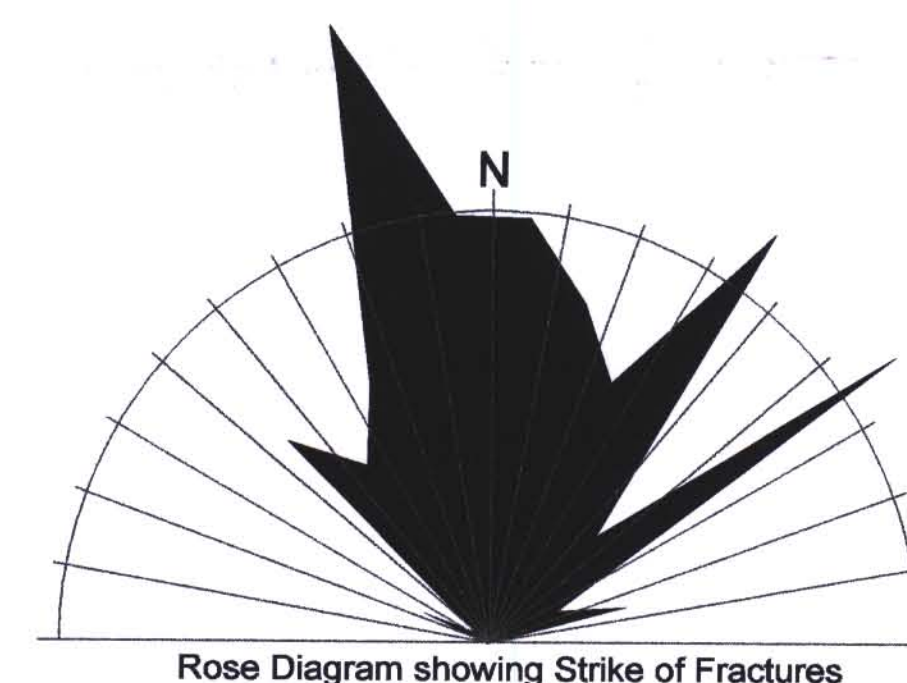
Map Symbols

- Contact: dotted where gradational
- Fracture; see Table for orientations
- Marker beds; Thin (< 2 m) silty clay and clayey silt beds
- Hydraulic shore

ORIENTATION OF FRACTURES

Ident. No.	Description	Strike	Dip
1A	Fracture	15°	88°E
1B	Fracture	328°	85°W
1C	Fracture	52°	88°W
1D	Fracture	8°	90°
1E	Fracture	50°	90°
2	Infilled fractures	352°	84°E
3	Fracture	50°	86°E
4	Fracture	350°	90°
5	Fracture: 2 cm displacement, E-side up *	32°	90°
6A	Fracture: 2 cm displacement, E-side up *	70°	80°E
6B	Fracture: 2 cm displacement, E-side up *	332°	90°
7	Fracture: 2.5 cm displacement, E-side down *	10°	90°
8	Fracture	315°	90°
9	Fracture	48°	87°W
10	Fracture	314°	88°W
11	Infilled Fracture	60°	90°
12	Fracture	55°	90°
13	Fracture	57°	88°W
14	Fracture	34°	85°W
15	Fracture	50°	90°
16	Fracture	24°	88°W
17	Infilled Fracture	25°	85°W
18	Fracture	30°	88°W
19	Fracture	0°	88°W
20	Fracture	340°	87°W
21	Fracture	320°	90°
22	Fractures	285°	90°
23	Fracture	76°	89°NW
24	Fracture	10°	90°
25	Fracture	315°	90°
26	Fracture	340°	90°
27	Fracture: 2.5 cm displacement, E-side up *	10°	90°
28	Fracture	345°	88°E
29	Fracture	330°	90°
30	Fracture	355°	90°
31	Infilled fracture	345°	90°
32	Fractures	20°	90°
33	Fracture	350°	88°E
34	Fracture: 1 cm displacement, E-side up *	0°	88°E
35	Fracture: 2 cm displacement, E-side up *	352°	90°
36	Fracture: 1 cm displacement, E-side up *	30°	88°E
37	Fracture	345°	88°E
38	Fracture: 2 cm displacement, E-side down *	35°	90°
39	Fracture	355°	90°
40	Fracture: 1 cm displacement, E-side down *	20°	90°
41	Fracture	340°	90°
42	Fractures	40°	85°W
43	Fracture	345°	88°E
44	Fracture	40°	90°
45	Fractures	345°	88°E
46	Fracture: 2 cm displacement, E-side down *	10°	90°
47	Fracture	350°	90°
48	Fractures	345°	87°E
49	Fracture	330°	82°W
50	Fracture	320°	86°W
51	Infilled fractures	5°	84°W
52	Fracture	38°	88°W
53	Fracture	310°	90°
54	Fracture	345°	90°
55	Fracture	60°	90°
56	Fracture	15°	85°
57	Fractures	350°	87°W
58	Fracture	5°	90°
59	Fracture	5°	90°

* Displacements observed only in Bonneville deep-water facies; thin clay layers and bedding in lower Stansbury regressive facies and Post-Stansbury transgressive facies show evidence of no discrete faulting at depth.



APERTURE
CARD

9903020116

MAP OF NORTH WALL TRENCH T-2
Private Fuel Storage Facility
Skull Valley, Utah

GEOMATRIX

Project No.
4790

Plate
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