# APPENDIX D-2

## Shallow Soil Boring Logs

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# Borehole ID: KAFB-106143

**Client:** US Army Corps of Engineers
**Project Location:** KAFB, Albuquerque, NM
**Project Name:** KAFB BFF SWMU ST-106 and SS-111
**Project Number:** 140705

Date Started: 2/17/2011
Date TD Reached: 2/17/2011
Date Completed: 2/17/2011

Ground Elevation AMSL (ft): 5345.1
Y Coordinate: 1472820.46
X Coordinate: 1542550.46

Hole Diameter Upper (in.): 2
Hole Diameter Lower (in.): 2
Surface Completion Type:

Groundwater Levels BGS (ft):
At Time of Drilling: N/A
At End of Drilling: N/A
After Drilling: N/A

Drillling Contractor: JR Drilling
Drilling Method: Direct Push (Geoprobe)
Logged By: Dale Flores



| Depth (ft) | Sample Type | Number | Headspace PID | Lithologic Log | Material Description | U.S.C.S. | Well Diagram | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | |
| | | 106143-00 | 0.0 | | Poorly graded SAND with Silt (SP-SM); pinkish white; (7.5YR 8/2); dry; very loose; 90% very fine sand to 0.1mm; rounded; 10% silt; no odor. | SP-SM | | Description from hand auger cuttings. |
| 5 | | | | | | | | |
| | | 106143-05 | 0.0 | | Silty SAND (SM); reddish yellow (7.5YR 6/6); dry; very loose; 80% very fine sand; subrounded; 5% fine gravel to 5mm; subrounded; 15% silt; no odor. | SM | | |
| 10 | | 106143-10 | 0.0 | | Same as above (5 ft). | | | |
| | | | | | SILT (ML); strong brown (7.5YR 4/6); dry; firm; non plastic; 90% silt; 10% very fine sand to 0.2mm; no odor. | ML | | |
| 15 | | 106143-15 | 0.0 | | Same as above (12 ft). | | | |
| | | 106143-20 | 0.0 | | | | | |
| 20 | | | | | | | | Total depth = 20 ft. |
| 25 | | | | | | | | |
| 30 | | | | | | | | |

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# Borehole ID: KAFB-106144

**Client:** US Army Corps of Engineers
**Project Location:** KAFB, Albuquerque, NM
**Project Name:** KAFB BFF SWMU ST-106 and SS-111
**Project Number:** 140705

Date Started: 2/16/2011
Date TD Reached: 2/16/2011
Date Completed: 2/16/2011

Ground Elevation AMSL (ft): 5344.1
Y Coordinate: 1472807.25
X Coordinate: 1542326.20

Hole Diameter Upper (in.): 2
Hole Diameter Lower (in.): 2
Surface Completion Type:

Groundwater Levels BGS (ft):
At Time of Drilling: N/A
At End of Drilling: N/A
After Drilling: N/A

Drillling Contractor: JR Drilling
Drilling Method: Direct Push (Geoprobe)
Logged By: Dale Flores



| Depth (ft) | Sample Type | Number | Headspace PID | Lithologic Log | Material Description | U.S.C.S. | Well Diagram | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | |
| | | 106144-00 | 0.0 | | Poorly graded SAND with Silt (SP-SM); pinkish white (7.5YR 8/2); dry; very loose; 90% very fine sand to 0.2mm; subrounded; 10% silt; no odor. | SP-SM | | Description from hand auger cuttings. |
| 5 | | | | | | | | |
| | | 106144-05 | 0.0 | | Silty SAND (SM); reddish yellow (7.5YR 6/6); dry; very loose; 80% very fine sand; subrounded; 5% fine gravel to 5mm; subrounded; 15% silt; no odor. | SM | | |
| 10 | | 106144-10 | 0.0 | | Same as above (5 ft). | | | |
| 15 | | 106144-15 | 0.0 | | SILT (ML); light brown (7.5YR 6/4); dry; soft; non plastic; 90% silt; 10% very fine sand to 0.08mm; no odor. | ML | | |
| 20 | | 106144-20 | 0.0 | | | | | Total depth = 20 ft. |
| 25 | | | | | | | | |
| 30 | | | | | | | | |

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# Borehole ID: KAFB-106145

**Client:** US Army Corps of Engineers
**Project Location:** KAFB, Albuquerque, NM
**Project Name:** KAFB BFF SWMU ST-106 and SS-111
**Project Number:** 140705

Date Started: 2/16/2011
Date TD Reached: 2/16/2011
Date Completed: 2/16/2011

Ground Elevation AMSL (ft): 5343.8
Y Coordinate: 1472777.70
X Coordinate: 1542138.38

Hole Diameter Upper (in.): 2
Hole Diameter Lower (in.): 2
Surface Completion Type:

Groundwater Levels BGS (ft):
At Time of Drilling: N/A
At End of Drilling: N/A
After Drilling: N/A

Drillling Contractor: JR Drilling
Drilling Method: Direct Push (Geoprobe)
Logged By: Dale Flores



| Depth (ft) | Sample Type | Number | Headspace PID | Lithologic Log | Material Description | U.S.C.S. | Well Diagram | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | |
| | | 106145-00 | 0.0 | | Poorly graded SAND with Silt (SP-SM); pinkish white (7.5YR 8/2); dry; very loose; 90% very fine sand to 0.2mm; subrounded; 10% silt; slight odor. | SP-SM | | Description from hand auger cuttings. |
| 5 | | | | | | | | |
| | | 106145-05 | 3.2 | | Silty SAND (SM); reddish yellow (5YR 6/6); moist; loose; 60% very fine sand to 0.2mm; subrounded; 40% silt; slight odor. | SM | | |
| 10 | | 106145-10 | 0.7 | | Same as above (5 ft). | | | |
| 15 | | 106145-15 | NR | | Same as above (5 ft). | | | |
| | | | | | SILT (ML); strong brown (7.5YR 4/6); dry; firm; low plasticity; 90% silt; 10% very fine sand to 0.2mm; no odor. | ML | | |
| 20 | | 106145-20 | 1.7 | | | | | |
| | | | | | | | | Total depth = 20 ft. |
| 25 | | | | | | | | |
| 30 | | | | | | | | |

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# Borehole ID: KAFB-106146

**Client:** US Army Corps of Engineers
**Project Location:** KAFB, Albuquerque, NM
**Project Name:** KAFB BFF SWMU ST-106 and SS-111
**Project Number:** 140705

Date Started: 2/16/2011
Date TD Reached: 2/16/2011
Date Completed: 2/16/2011

Ground Elevation AMSL (ft): 5342.8
Y Coordinate: 1472951.78
X Coordinate: 1542082.71

Hole Diameter Upper (in.): 2
Hole Diameter Lower (in.): 2
Surface Completion Type:

Groundwater Levels BGS (ft):
At Time of Drilling: N/A
At End of Drilling: N/A
After Drilling: N/A

Drillling Contractor: JR Drilling
Drilling Method: Direct Push (Geoprobe)
Logged By: Dale Flores



| Depth (ft) | Sample Type | Number | Headspace PID | Lithologic Log | Material Description | U.S.C.S. | Well Diagram | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | |
| | | 106146-00 | 0.6 | | Poorly graded SAND with Silt (SP-SM); pinkish white (7.5YR 8/2); dry; very loose; 90% very fine sand to 0.2mm; subrounded; 10% silt; no odor. | SP-SM | | Description from hand auger cuttings. |
| 5 | | | | | | | | |
| | | 106146-05 | 0.0 | | Silty SAND (SM); reddish yellow (7.5YR 6/6); dry; very loose; 80% very fine sand; subrounded; 5% fine gravel to 5mm; subrounded; 15% silt; no odor. | SM | | |
| 10 | | 106146-10 | 0.0 | | Same as above (5 ft). | | | |
| 15 | | 106146-15 | 0.0 | | SILT (ML); strong brown (7.5YR 4/6); dry; firm; non plastic; 90% silt; 10% very fine sand to 0.2mm; no odor. | ML | | |
| 20 | | 106146-20 | 0.0 | | | | | Total depth = 20 ft. |
| 25 | | | | | | | | |
| 30 | | | | | | | | |

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# Borehole ID: KAFB-106147

**Client:** US Army Corps of Engineers
**Project Location:** KAFB, Albuquerque, NM
**Project Name:** KAFB BFF SWMU ST-106 and SS-111
**Project Number:** 140705

Date Started: 2/16/2011
Date TD Reached: 2/17/2011
Date Completed: 2/17/2011

Ground Elevation AMSL (ft): 5342.8
Y Coordinate: 1472850.62
X Coordinate: 1541959.30

Hole Diameter Upper (in.): 2
Hole Diameter Lower (in.): 2
Surface Completion Type:

Groundwater Levels BGS (ft):
At Time of Drilling: N/A
At End of Drilling: N/A
After Drilling: N/A

Drillling Contractor: JR Drilling
Drilling Method: Direct Push (Geoprobe)
Logged By: Dale Flores



| Depth (ft) | Sample Type | Number | Headspace PID | Lithologic Log | Material Description | U.S.C.S. | Well Diagram | Remarks |
|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | |
| | | 106147-00 | 0.1 | | Poorly graded SAND with Silt (SP-SM); pinkish white (7.5YR 8/2); dry; very loose; 90% very fine sand to 0.2mm; subrounded; 10% silt; slight odor. | SP-SM | | Description from hand auger cuttings. |
| 5 | | | | | | | | |
| | | 106147-05 | 450.0 | | Silty SAND (SM); reddish yellow (5YR 6/6); dry; very loose; 60% very fine sand to 0.5mm; subrounded; 40% silt; strong odor. | SM | | |
| 10 | | 106147-10 | 80.0 | | Same as above (5 ft). | | | |
| 15 | | 106147-15 | 4.6 | | SILT (ML); reddish yellow (5YR 7/6); dry; hard; low plasticity; 90% silt; 5% very fine sand to 0.08mm; 5% white caliche; slight odor. | ML | | Very hard drilling from 14 to 17 ft due to caliche cementation. |
| | | 106147-20 | 1.1 | | | | | |
| 20 | | | | | | | | Total depth = 20 ft. |
| 25 | | | | | | | | |
| 30 | | | | | | | | |

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