

Boring Log
 IRZ Treatability Study
 Test Boring TSB1
 Phoenix-Goodyear Airport
 North Superfund Site
 Goodyear, AZ

<u>Date</u>	<u>Time</u>	<u>Blows</u>	<u>F.I.D.</u>	<u>Sampler Type</u>	<u>Depth</u>	<u>USCS Symbol</u>	<u>Description</u>
8/30/04		NS			0	ML	Sandy Silt
		50/5"	1.7	SS	8	SM	Silty Sand, Sand (80%) medium to fine sand, light yellowish brown (10yr, 6/4), subangular, fines (20%) light yellowish-brown; well to moderate graded; dry.
		35-50/3"	1.3	SS	18.5	SC	Clayey Sand; Sand (60%) medium to fine, subangular; Clay (25%), Silt (15%); well graded; dry; brown (10yr, 5/3). Driller noted some caliche from ~20' to 25' bgs.
	8:45		2.7	SS	29	CL/Caliche	Lean Clay with Sand: Clay (60%), strong brown, mod. plastic; Caliche (35%), very pale brown, thinly bedded; Sand (5%), fine; poorly sorted; low plasticity; overall light yellowish brown (10yr, 6/4); interlayered caliche and clay with slight calcification, dry to slightly moist.
	9:00	8/30/1932	3.7	SS	34	CL	Lean Clay; Clay (55%), low to mod. plasticity; Silt (40%); Sand (5%), fine; dry; yellowish-brown (10yr, 5/4); mottled white salt like substance, no reaction to HCl.
	9:15	8/12/2014	0.0	SS	38.5	ML	Silt: Silt (60%), mod. plasticity; Clay (30%); Sand (10%), fine; yellowish brown; slightly moist; low plasticity.
	9:23	8/30/1933	0.0	SS	44	SM	Silty Sand: Sand (70%) fine, subangular; Silt (25%); Clay (5%); dark yellowish brown (10yr,4/4; low plasticity; mod. graded.
	9:45	9-50/5"	0.0	SS	48.5	SW	Sand (65%) coarse to fine, subrounded; Gravel (25%) coarse to fine, subrounded to subangular; Silt (10%); brown (10yr,5/3); well graded.
					55	GW	Well graded Gravel with Silt and Sand; Gravel (55%) fine to coarse, subrounded; Sand (35%) coarse to fine, subangular; Silt (10%); grayish brown (10yr,5/2); slightly moist to dry.
					65	GW	Same as above except some cobbles.
					70	GW	Same as above. Only recovered a piece of cobble.
	10:27	50/5"	0.0	SS	79	SC	Clayey Sand with Gravel; Sand (50%), subangular, coarse to fine; Gravel (25%), fine to coarse; Clay (25%) low to mod. plasticity; Olive brown (2.5yr,4/3); well graded; low plasticity.
	10:42	9/10/2015	0.0	SS	90	CL	Lean Clay with Sand: Clay (60%); Sand (25%) med to fine, subangular, cemented; Silt (15%); yellowish brown (10yr,5/4); low plasticity; wet; cemented sands.
	10:55	15-50/4"	0.0	SM	95	CL	Same as above.
8/31/04	8:34	15-16-18	7.0	SS	97	SC	Clayey Sand with Gravel; Sand (70%), medium to fine, subangular; Clay (25%), low plasticity; Gravel (5%) fine; dark-yellowish brown (10yr,4/4); well graded; wet; little calcite cemented sand.
	11:15	35-50/6"		SM	100	SC	Same as above except slightly more clay, and less sand.
	14:30	17-70/6"	610.0	SM	105	CL	Lean Clay with Sand: Clay (85%); Sand (15%) fine; brown (7.5yr,4/4); moderate plasticity; wet.
9/1/04	7:24	23-34-50/4"		SS	110	CL	Well graded Sand with Silt: Sand (90%) fine to coarse, angular to subangular; Silt (10%); light yellowish brown (10yr,6/4); well graded; with moderately cemented sands (calcite).
	9:27	12-41-50/1		SM	114	SP	Poorly Graded Sand: Sand (95%) gap graded fine and coarse; subangular; Silt (5%); brown (7.5yr,5/4); poorly graded/gap graded predominately coarse sand; wet.
	11:53	13-16-30		SM	120	SP	Same as above.
	14:43	100/6"		SM	122	SM	Silty Sand: Cemented Sand and Sand (80%) medium to fine, subangular, moderately cemented, weak reaction to HCl; Silt (15%), brown (7.5yr,4/4), Clay (5%); well sorted; low plasticity; wet. Predominately cemented sand with weak reaction to HCl.
	14:55	17-28-50/3		SS	127	SM	Same as above except less silt and more unconsolidated sand.
9/2/04	9:41	6/16/1934		SM	135	SM	Same as above except little cemented sand and predominately unconsolidated.
	12:28	20-50/4"		SM	140	SM	Same as above.
	12:52	6/9/2010		SS	145	SM/SC	Same as above except more clay and less silt.
	14:00			SM	153	SW	Well graded Sand: Sand (95%) fine to coarse, subangular, various colors; Fines (5%); moderately to well graded; overall yellowish brown (10yr,5/4); wet.
	14:15	7/10/2015		SS	160	SW	Same as above except less coarse Sand and dark yellowish brown.
							BORING TERMINATED AT 160' BGS.