

**TABLE 4-1
CSI SOIL PROPERTIES SUMMARY
CHAMPAIGN MGP SITE
CHAMPAIGN, ILLINOIS
AMERENIP**

Boring Number	Date Completed	Depth, Feet	Soil Type*	PID, ppm	% Moisture	% Solids	pH	Penetrometer
B - 501	7/13/04	1-2	FL	30.6	19.9	80.1	7.76	3.0
		7-8	CL	29.6	19.7	80.3	8.00	
		14-15	SC	238	11.3	88.7		
		23-24	CH	1.4	10.4	89.6		
B - 502	7/13/04	2-3	FL	10.6	9.0	91.0	8.09	2.25
		6-7	CH	217	18.8	81.2	2.25	
		11-12	CH	468	19.6	80.4	0.75	
	7/21/04	23-24	CH	10.2	10.1	89.9	4.5	
B - 503	7/13/04	2-3	FL	100	19.4	80.6	7.68	0.75
		2-3 (D)	FL	100	47.8	52.2	7.56	1.0
		9-10	CH	143	25.6	74.4	1.75	
		10-11	CH	156	26.6	73.4		
		18-19	MH	13.9	11.8	88.2		
B - 504	7/13/04	2-3	FL	15.9	26.0	74.0		
		6-7	FL	530	29.9	70.1	7.74	
		6-7 (D)	FL	530	28.7	71.3	7.52	
		13-14	CH	860	12.2	87.8	3.75	
		20-21	CH	1101	9.0	91.0		
		27-28	CH	8.2	8.5	91.5		
B - 505	7/14/04	2-3	FL	46.2	15.2	84.8		7.75
		5-6	FL	393	25	75.0	7.76	
		10-11	CH	202	21.9	78.1		
		21-22	CH	2.7	10	90.0		
		27-28	CH	5.8	10.3	89.7		
B - 506	7/22/04	2-3	FL	3.6	20.2	79.8	7.37	1.25
		6-7	CH	431	22.9	77.1	1.0	
		16-17	SP/SC	1865	9.9	90.1	8.16	
		27-28	CH	2.0	9.1	90.9		
B - 507	7/21/04	0-1	FL	1.8	14.5	85.5	7.62	2.5
		7-8	CH	243	21.7	78.3	1.5	
		18-19	SC/SM	2163	18.0	82.0	7.92	
		27-28	CH	4.5	9.6	90.4	3.5	
B - 508	7/19/04	2-3	FL	6.3	20.7	79.3	7.60	1.25
		8-9	CH	294	20.1	79.9	7.60	1.25
		10-11	CH/SC	361	21.9	78.1	1.5	
		27-28	SM	2.5	10.0	90.0	2.5	
B - 509	7/21/04	2-3	FL	0.9	18.6	81.4	7.69	<0.5
		7-8	CH	13.1	22.2	77.8	7.33	1.0
		7-8(D)	CH	13.1	23.9	76.1	7.12	4.0
		17-18	CH/SM	42.6	10.3	89.7		
		27-28	CH	0.5	10.7	89.3		
B - 510	7/12/04	1-2	FL	21	24.5	75.5	7.69	2.25
		4-5	CH	5.9	21.2	78.8	2.5	
		11-12	SC	10.2	12.0	88.0	10.2	
		27-28	CH	5.5	13.8	86.2	0.75	
B - 512	7/12/04	2-3		27	10.9	89.1	7.44	3.0
		7-8		494	20.2	79.8	7.56	1.25
		10-11		265	15.2	84.8	2.25	
		23-24		6.2	10.5	89.5	2.75	

Soil Type*

FL = FILL, silty CLAY with gravel, cinders, coal
 SP = gravely SAND, poorly sorted
 SM = silty SAND
 SC = clayey SAND
 CL = sandy CLAY, low to medium plasticity
 CH = CLAY, high plasticity

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B - 513	7/12/04	1-2		4.4	19.6	80.4	6.83	1.75
		1-2(D)		4.4	20.3	79.7	5.91	1.75
		7-8		420	14.5	85.5		0.75
		11-12		31.5	10.9	89.1	7.97	2.75
		23-24		5.0	10.5	89.5		3.0
B - 514	7/22/04	2-3		19.7	12.4	87.6	7.83	0.5
		2-3(D)		19.7	16.2	83.8	7.81	
		7-8		251	22.7	77.3		1.75
		16-17		1021	9.9	90.1		0.75
		27-28			10.1	89.9		2.5
B - 515	7/16/04	1-2	FL	7.7	15.3	84.7	7.91	1.5
		6-7	FL	333	32.1	67.9		
		18-19	CH/SC	1404	7.0	93.0		3.5
		31-32	CH	0.8	8.7	91.3	7.89	2.5
B - 516	7/22/04	2-3		3.6	20.4	79.6	7.53	1.25
		4-5		200	20.9	79.1		1.0
		4-5(D)		200	21.8	78.2		
		13-14		168	12.1	87.9		3.75
		23-24		2.8	10.4	89.6		4.0
B - 550	7/20/04	2-3	FL/CH	53.8	29.0	71.0	5.26	1.0
		8-9	CH/FL	105	25.2	74.8		
		10-11	FL	164	23.7	76.3		1.0
		15-16	SC	2.4	12.1	87.9		3.25
		27-28	SC	0.4	10.6	89.4		3.0
B - 551	7/8/04	2-3	FL	16.4	22.5	77.5	7.72	2.25
		9-10	CL	146	27.1	72.9		1.5
		15-16	CH	11.8	10.0	90.0		
		27-28	CH	3.9	9.5	90.5		4.0
B - 553	7/14/04	2-3	FL	20.3	20.2	79.8	7.26	2.75
		5-6	FL/CL	364	28.7	71.3		3.75
		14-15	CH	545	11.0	89.0		
		23-24	MG/CH	2241	6.6	93.4		
		31-32	CH	3.4	9.1	90.9	8.11	
31-32(D)	CH	3.4	8.4	91.6	8.25			
B - 554	7/8/04	2-3	FL	13.2	22.0	78.0	7.62	
		2-3(D)	FL	13.2	23.3	76.7		1.25
		9-10	CL	156	33.1	66.9		3.75
		17-18	SC/SP	892	10.4	89.6		2.25
		31-32	CH	1.2	9.8	90.2		
B - 556	7/20/04	2-3	FL	6.4	25.5	74.5	5.26	2.5
		5-6	CH	295	22.9	77.1		1.75
		19-20	CH	518	11.9	88.1		4.0
		27-28	CH	2.3	9.1	90.9	8.15	
		27-28(D)	CH	2.3	9.2	90.8	8.23	
B - 557	7/20/04	0-1	FL	3.4	18.8	81.2	7.95	1.25
		9-10	CH	12.4	21.7	78.3		1.25
		11-12	CH	55.1	18.5	81.5	7.80	1.5
		23-24	CH	3.0	11.2	88.8		

Soil Type*

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B - 558	7/19/04	1-2	FL	4.2	21.9	78.1	6.65	2.0
		6-7	CH	31.6	22.0	78.0		2.0
		11-12	SC	23.2	22.0	78.0		<0.5
		17-18	CH	7.0	9.9	90.1		4.0
		27-28	CH	0.8	7.5	92.5		
B - 559	7/19/04	2-3	CH	1.7	20.5	79.5	7.12	1.75
		7-8	CH	3.7	21.5	78.5	7.20	1.25
		7-8(D)	CH	3.7	20.2	79.8	7.28	
		18-19	CH	4.4	9.8	90.2		
		27-28	CH	3.7	11.7	88.3		4.00
B - 560	7/15/04	2-3	FL	9.0	19.2	80.8	7.62	1.5 1.75
		4-5	FL/CL	1.3	20.0	80.0		
		12-13	SP	333	16.8	83.2		
		19-20	CH	5.4	10.7	89.3		
		19-20(D)	CH	5.4	12.2	87.8		
27-28	CH	8.8	8.6	91.4				
B - 561	7/15/04	0-1	FL	3	21.7	78.3	7.32	4 4 1.75
		9-10	CH	214	17.8	82.2	7.78	
		12-13	SC/SP	356	10.3	89.7		
		18-19	CH	6.2	8.5	91.5		
		31-32	CH	0.3	11.2	88.8		
31-32(D)	CH	0.3	10.5	89.5				
B - 562	7/15/04	0-1	FL	5.9	23.7	76.3	7.56	0.5 4.0
		9-10	CH	46.7	21.4	78.6		
		13-14	SC	509	10.9	89.1	8.15	
		27-28	CH	0.4	8.9	91.1		

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