

Meadows, Richard L LRH

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Sent: Thursday, June 03, 2004 2:42 PM
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Subject: Plum Brook - Res No.2 Burning Ground

Attached are detailed lithologic and water level information obtained during the recent soil investigation and recommendations for shallow well installations at the Res. No. 2 Burning Ground, Plum Brook. We would like to schedule a time to discuss these issues in a teleconference and include USACE -Nashville. Please advise when you would be available, preferably this week if possible. Thank you.

<<Lithology & piezos.xls>> <<Shallow well installation.doc>>

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Table 1

		Silt Zones		Thickness	Location	Top	Bottom
BH-09		7.25' - 9.25'		2	South	7.25	9.25
BH-10		7.0' - 10.0'		3	South	7	10
BH-11		none		0	West		
BH-12		none		0	West		
BH-13		7.5' - 8.0'		0.5	Northwest	7.5	8
BH-14		5.25' - 8.25'		3	Northwest	5.25	8.25
BH-15		6.0' - 6.25'		0.25	North	6	6.25
BH-16	3.5' - 5.5"	8.0' - 9.0'		1	North	8	9
BH-17		6.75' - 8.25'		1.5	Center - South	6.75	8.25
BH-18		5.5' - 7.5'	8.25' - 9.75'	2	Center Southeast	5.5	7.5
BH-19		6.0' - 7.0'		1	Center	6	7
BH-20		none		0	Center North		
PZ-01		7.5' - 8.5'		1	South	7.5	8.5
PZ-02		6.5' - 9.5'		3	West	6.5	9.5
PZ-03		none		0	Northwest		
PZ-04		7.5' - 9.5'		2	Northeast	7.5	9.5
PZ-05		7.5' - 9.0'	13.5' - 14.0'	1.5	East	7.5	9
				21.75		88.25	110
average				1.7		6.8	8.5

Table 2

	TD	Installed	stick up	22-May		23-May		25-May		26-May		
				Depth (ft. TOC)	Depth (ft. bgs)							
PZ-01	20	20-May	2.58	4.21	1.63	5.40	2.82	5.69	3.11	5.76	3.18	falling
PZ-02	21.5	24-May	2.19					5.40	3.21	5.44	3.25	falling
PZ-03	23.5	20-May	2.58	7.31	4.73	6.85	4.27	6.20	3.62	6.07	3.49	rising
PZ-04	23.5	25-May	3.33							6.38	3.05	
PZ-05	22.5	24-May	2.50					6.80	4.3	6.51	4.01	rising