Figure GG-4. Variation of Porosity (<4 mm fraction) with Field-Reduced Iron (not corrected for porosity of the bulk sample).

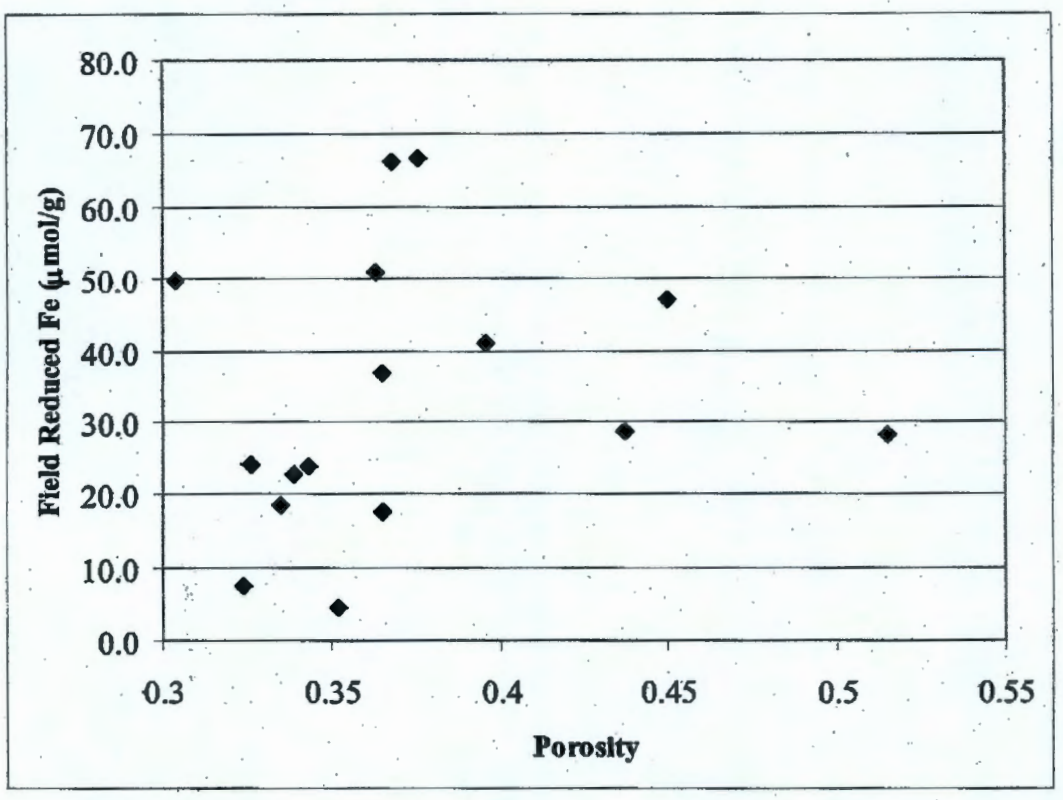

Figure GG-5. Measured Porosity Values (<4 mm fraction) Compared to the Geology in Wells 199-D4-87, 199-D4-88, and 199-D4-89.

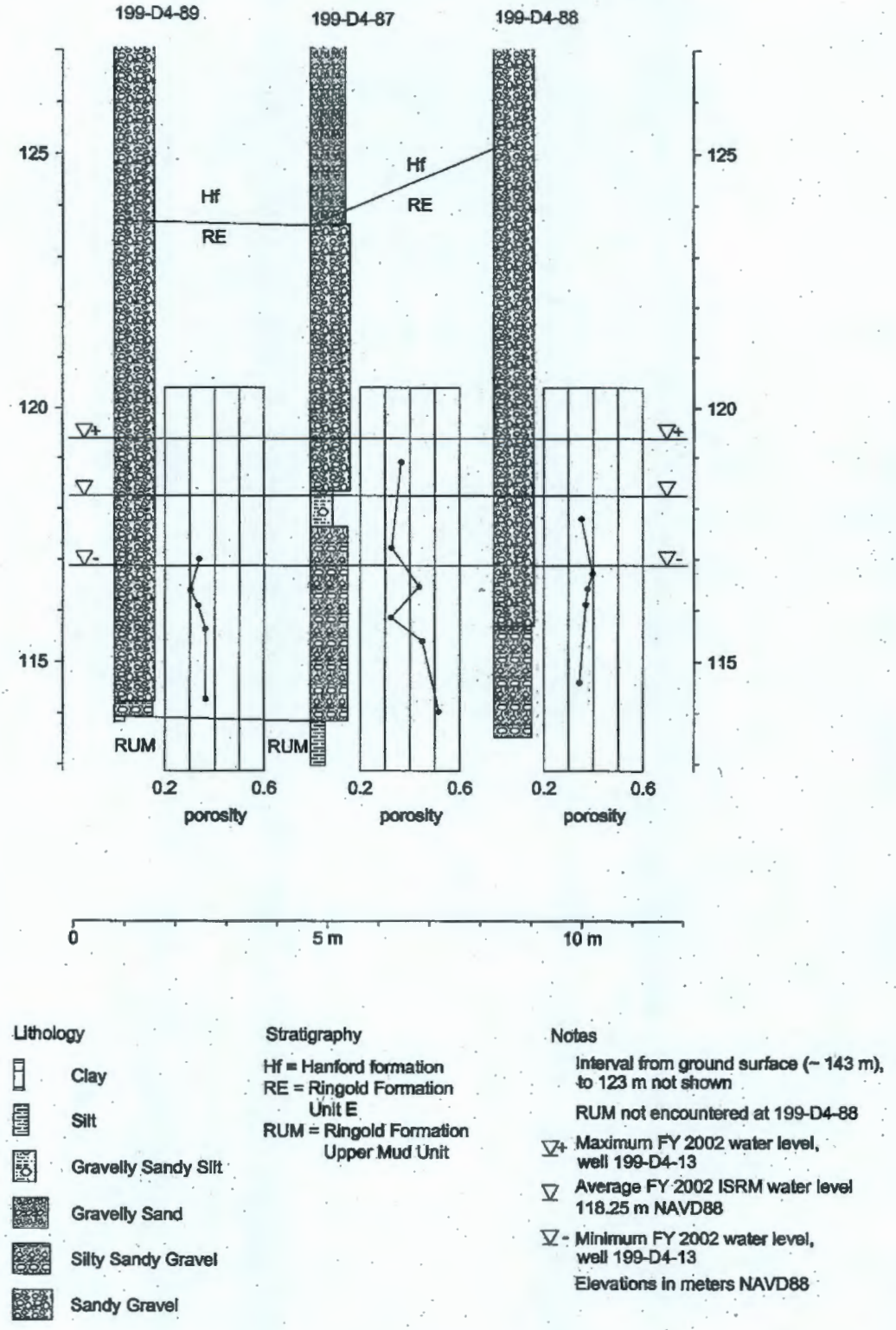

Table GG-1. Laboratory Data Collected from March 2002 Samples.

Well name	depth (ft)	elev (m)	Mass fraction <4mm	bulk density (g/cm3)	porosity (cm3/cm3)	Fe(II) for < 4mm field reduced (mmol/g)	Fe(II) for < 4mm lab reduced (mmol/g)	Fe(II) corrected for whole sediment field reduced (mmol/g)	Fe(II) corrected for whole sediment lab reduced (mmol/g)	fraction field reduced*
199-D4-87	80.5-81	118.83	0.322	1.65	0.365	17.5		5.6		
	86-86.5'	117.16	0.316	1.73	0.326	24.1	139	7.6	44	0.174
	88.5-89'	116.39	0.306	1.47	0.437	28.7		8.8		
	90.5-91'	115.78	0.280	1.67	0.324	7.53		2.11		
	92-92.5'	115.33	0.280	1.35	0.450	47.1		13.2		
	96.5-97'	113.95	0.177	1.40	0.515	28.1	190	5.0	34	0.148
Average ± sd								7.05 ± 3.8		
199-D4-88	84-84.5'	117.72	0.316	1.71	0.352	4.40	156	1.39	49	0.028
	87.5-88'	116.65	0.319	1.60	0.396	41.1		13.0		
	88.5-89'	116.35	0.322	1.66	0.376	66.7		21.3		
	89.5-90'	116.04	0.329	1.51	0.368	66.3	62.6	21.80	20.6	1.059
	94.5-95'	114.52	0.196	1.52	0.343	24.0	155	4.7	30	0.154
Average ± sd								12.43 ± 9.3		
199-D4-89	87-87.5'	116.94	0.410	1.62	0.339	22.9	163	9.4	67	0.140
	89-89.5	116.33	0.362	1.73	0.304	49.8		18.0		
	90-90.5	116.02	0.341	1.72	0.335	18.4		6.3		
	91.5-92'	115.56	0.287	1.65	0.363	50.9	123	18.4	35	0.523
	96-96.5'	114.19	0.373	1.41	0.365	36.6		13.7		
Average ± sd					0.372			13.04 ± 5.3	40.0 ± 15.0	

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