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The study of an anthropogenic tufa deposit at Harpur Hill, Buxton, Derbyshire

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**Appendices**

Plate A2.11: Lime ash tips, visible in the background of the photograph.



Plate A2.12: The adit exit





Plate A2.13: The adit entrance.



Plate A2.14: Springs located south-west of the adit entrance.





Plate A2.15: The main body of tufa.



Plate A2.16: The second main terrace.





Table A5.11: Weekly deposition data for each slide (S1-S3) at each site (SI 1-SI 15).

All Weights In Grams (g)	SI 1		SI 2		SI 3		SI 4		SI 5		SI 6		SI 7		SI 8									
	S1	S3	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S3							
18/08/98	0.09	0.14	0.38	0.27	0.19	0.39	0.50	0.47	1.06	0.55	0.07	0.06	0.28	0.41	0.06	N/A	0.08	0.13	0.14	0.53	0.96	0.39	0.24	
25/08/98	0.11	0.06	0.12	0.20	0.14	0.22	0.85	0.78	0.67	0.18	0.19	0.18	0.12	0.44	0.37	0.30	0.34	0.26	0.28	0.30	0.33	0.46	0.27	0.40
01/09/98	0.06	0.05	0.09	0.22	0.20	0.68	2.08	0.65	0.71	0.25	0.35	0.52	0.31	0.43	0.57	0.19	0.15	0.46	1.04	0.80	0.88	0.47	0.57	0.45
08/09/98	0.03	0.05	0.05	0.04	0.03	0.04	1.01	0.25	1.77	0.26	0.30	0.33	0.09	0.03	0.04	0.03	0.12	0.31	0.26	0.01	0.11	1.30	0.21	0.33
15/09/98	0.02	0.01	0.01	0.02	0.02	0.02	1.25	0.42	0.27	0.41	0.13	0.23	0.10	0.11	0.14	0.11	0.08	0.08	0.91	0.45	0.36	0.13	0.09	0.12
22/09/98	0.07	0.06	0.40	0.17	0.53	0.28	0.70	0.59	0.62	0.30	0.43	0.19	0.10	0.07	0.15	0.03	0.06	0.04	0.15	0.06	0.06	0.36	0.45	0.41
29/09/98	0.14	0.04	0.14	0.08	0.14	0.21	0.37	0.29	0.71	0.18	0.07	0.02	0.10	0.03	0.03	0.10	0.11	0.11	0.18	0.03	0.03	0.67	0.69	0.75
06/10/98	0.08	0.08	0.14	0.12	0.14	0.17	1.02	0.97	0.90	0.53	0.65	0.51	0.19	0.17	0.18	0.19	0.27	0.24	0.24	0.40	0.23	0.19	0.40	0.25
13/10/98	0.11	0.06	0.17	0.21	0.14	0.24	0.94	0.94	0.98	0.51	0.60	0.48	0.17	0.19	0.22	0.29	0.30	0.22	0.24	0.43	0.35	0.25	0.33	0.13
20/10/98	0.06	0.08	0.11	0.07	0.06	0.05	0.80	0.92	0.88	0.62	0.79	0.59	0.12	0.18	0.28	0.28	0.40	0.40	0.41	0.47	0.33	0.19	0.17	0.14
27/10/98	N/A	N/A	N/A	0.11	0.04	0.04	1.05	0.96	1.08	0.77	1.14	0.80	0.12	0.29	0.37	0.31	0.83	0.94	0.48	0.44	0.17	N/A	N/A	N/A

	SI 9		SI 10		SI 11		SI 12		SI 13		SI 14		SI 15									
	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S3							
18/08/98	N/A	0.03	N/A	0.22	0.24	0.20	0.35	0.69	0.63	0.22	0.19	0.19	0.20	0.18	0.15	0.14	0.08	0.02	0.05	0.07	0.06	
25/08/98	0.40	0.29	0.32	0.30	0.52	0.29	0.44	0.38	0.33	0.25	0.27	0.36	0.17	0.12	0.19	0.17	0.19	0.10	0.09	0.09	0.11	
01/09/98	0.47	0.75	0.27	0.38	0.20	0.61	0.25	0.19	0.27	0.27	0.26	0.19	0.40	0.20	0.18	0.98	0.22	0.28	N/A	N/A	0.20	
08/09/98	0.71	0.03	0.84	0.37	0.35	0.54	0.10	0.13	0.19	0.13	0.13	0.19	0.14	0.10	0.16	0.08	0.07	0.08	0.09	0.08	0.08	
15/09/98	0.23	0.27	0.34	0.94	0.56	1.04	0.34	0.58	1.04	0.35	0.40	0.30	0.44	0.47	0.30	0.25	0.28	0.25	0.26	0.26	0.26	
22/09/98	0.13	0.13	0.41	0.41	0.37	0.51	0.48	0.48	0.48	0.20	0.22	0.15	0.35	0.38	0.40	0.16	0.23	0.18	0.03	0.02	0.03	
29/09/98	0.14	0.38	0.34	0.40	0.40	0.57	0.45	0.47	0.68	0.17	0.17	0.23	0.06	0.11	0.08	0.04	0.06	0.08	0.06	0.04	0.06	
06/10/98	0.28	0.16	0.13	0.32	0.22	0.27	0.15	0.20	0.18	0.18	0.13	0.14	0.11	0.13	0.16	0.13	0.12	0.13	0.08	0.09	0.13	
13/10/98	0.32	0.19	0.23	0.22	0.24	0.26	0.18	0.21	0.16	0.20	0.16	0.14	0.10	0.17	0.19	0.13	0.12	0.13	0.08	0.11	0.05	
20/10/98	0.17	0.15	0.19	0.24	0.24	0.28	0.20	0.19	0.17	0.21	0.17	0.13	0.13	0.18	0.28	0.15	0.09	0.22	0.12	0.13	0.11	
27/10/98	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



Appendices. **Table A5.12: Weekly water quality and velocity data for each site, with discharge data for sites eleven and fifteen.** *Table A5.12. Appendix 2.*

DATE	SITE 1				SITE 2				SITE 3				SITE 4				SITE 5				SITE 6			
	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity
18/08/98	15.5	12.11	1.86	0.132	17.0	12.44	3.95	0.02	16.8	12.52	4.62	0.000	15.1	12.47	4.23	0.000	14.4	12.46	4.12	0.000	15.3	12.33	3.28	0.000
25/08/98	10.6	12.40	5.76	0.137	10.5	12.55	6.68	0.098	10.8	12.30	3.80	0.000	10.5	12.33	4.22	0.018	10.8	12.30	3.80	0.039	10.7	12.26	0.98	0.021
01/09/98	15.9	11.76	1.06	0.039	15.6	12.47	5.08	0.043	17.3	12.42	4.52	0.000	16.7	12.39	4.06	0.023	15.6	12.34	3.73	0.000	17.3	12.27	3.10	0.000
08/09/98	12.6	12.47	5.38	0.025	18.9	12.56	6.43	0.034	19.7	12.44	4.81	0.000	16.2	12.39	4.17	0.018	15.2	12.35	3.59	0.000	16.9	12.27	3.11	0.018
14/09/98	8.7	8.27	0.42	0.080	10.7	8.38	0.42	0.074	13.1	8.30	0.43	0.000	12.7	8.29	0.38	0.021	11.9	8.38	0.39	0.021	11.9	8.65	0.36	0.018
22/09/98	10.5	12.39	1.79	0.018	13.7	12.97	6.02	0.022	14.4	12.88	4.92	0.000	14.2	12.83	4.20	0.000	13.7	12.76	3.63	0.000	14.2	12.51	1.85	0.000
29/09/98	11.2	12.86	4.85	0.000	17.0	12.96	6.28	0.000	17.3	12.85	5.35	0.000	16.6	12.81	4.80	0.000	13.8	12.72	3.68	0.000	14.9	10.37	0.36	0.000
06/10/98	7.9	8.90	0.79	0.084	8.2	9.40	0.88	0.506	8.4	9.40	1.02	0.000	8.7	9.60	1.05	0.018	8.9	9.60	1.03	0.000	9.1	9.47	0.94	0.000
13/10/98	7.3	7.88	0.37	0.130	8.9	7.90	0.40	0.077	9.4	7.87	0.47	0.000	9.0	7.89	0.47	0.025	9.3	7.94	0.49	0.021	9.2	8.00	0.48	0.018
20/10/98	8.0	7.83	0.39	0.394	8.1	7.82	0.42	0.264	8.3	7.61	0.52	0.028	8.3	7.85	0.46	0.089	8.4	8.04	0.46	0.080	8.4	7.97	0.42	0.066
27/10/98	7.4	8.32	0.38	0.508	7.8	8.38	0.31	0.356	7.9	8.43	0.27	0.030	8.0	8.22	0.38	0.165	8.0	7.61	0.51	0.105	8.0	7.68	0.50	0.084

DATE	SITE 7				SITE 8				SITE 9				SITE 10				SITE 11				SITE 12			
	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity
18/08/98	15.5	11.77	0.84	0.000	14.7	11.78	1.09	0.022	14.6	11.56	0.91	0.027	16.2	11.29	0.62	0.043	15.3	11.29	0.51	0.021	14.6	11.23	0.47	0.050
25/08/98	10.9	11.69	1.20	0.000	10.3	11.79	1.09	0.066	10.1	11.73	0.90	0.084	10.0	11.62	0.78	0.089	9.9	11.52	0.66	0.103	9.9	11.41	0.65	0.124
01/09/98	18.6	8.79	0.34	0.000	16.8	11.66	0.86	0.043	15.4	11.49	0.68	0.046	15.1	11.24	0.46	0.059	16.5	11.12	0.40	0.052	17.6	11.02	0.37	0.073
07/09/98	17.6	9.83	0.35	0.000	16.8	11.72	1.05	0.030	15.6	11.76	1.08	0.027	16.2	11.67	0.87	0.041	16.3	11.57	0.72	0.025	16.2	11.53	0.69	0.046
15/09/98	13.7	8.58	0.38	0.018	13.7	8.63	0.35	0.043	13.1	8.69	0.31	0.055	12.7	8.72	0.30	0.055	12.2	8.74	0.31	0.052	12.8	8.77	0.30	0.055
22/09/98	14.1	8.81	0.41	0.000	13.7	11.95	0.85	0.183	13.5	11.94	0.71	0.022	13.9	11.66	0.55	0.032	14.0	11.51	0.45	0.023	13.9	11.45	0.42	0.021
29/09/98	15.3	10.43	0.31	0.000	14.5	12.07	1.05	0.000	13.6	11.98	0.88	0.000	15.0	11.75	0.66	0.023	15.3	11.69	0.54	0.023	15.4	11.70	0.58	0.021
06/10/98	9.3	8.96	0.35	0.000	9.0	9.77	0.99	0.027	8.8	9.82	0.82	0.037	8.6	9.80	0.72	0.039	8.3	9.75	0.58	0.030	8.4	9.53	0.49	0.030
13/10/98	9.4	7.98	0.49	0.018	9.0	8.12	0.50	0.059	8.9	8.09	0.48	0.066	9.2	8.10	0.48	0.057	9.1	8.19	0.49	0.055	9.0	8.16	0.47	0.059
20/10/98	8.6	7.96	0.47	0.063	8.4	8.18	0.45	0.103	8.4	8.01	0.44	0.119	8.5	8.03	0.42	0.145	8.7	8.21	0.44	0.155	8.6	8.09	0.43	0.165
27/10/98	8.1	7.76	0.49	0.052	8.1	8.56	0.40	0.140	8.2	8.61	0.39	0.163	8.2	8.64	0.38	0.183	8.2	8.65	0.41	0.224	8.1	8.62	0.39	0.239

DATE	SITE 13				SITE 14				SITE 15				SITE 16				SITE 11				SITE 15			
	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity	Temp	pH	Kon	Velocity	Temp	Q	Temp	Q
18/08/98	14.1	11.17	0.43	0.021	14.7	10.99	0.42	0.021	14.5	11.05	0.39	0.018	11.1	9.19	0.22	0.018	18/08/98	0.10	0.08					
25/08/98	9.8	11.38	0.62	0.119	9.9	11.34	0.58	0.117	10.0	11.28	0.57	0.119	7.8	12.35	0.46	0.046	25/08/98	20.89	22.02					
01/09/98	17.5	9.38	0.26	0.050	14.6	9.18	0.26	0.043	15.6	8.50	0.36	0.057	11.2	11.43	0.60	0.019	01/09/98	15.32	17.72					
08/09/98	16.5	11.50	0.65	0.037	16.2	11.47	0.62	0.034	17.8	11.41	0.59	0.034	11.4	10.71	0.28	0.038	07/09/98	0.38	0.64					
15/09/98	12.2	8.74	0.31	0.057	12.1	8.53	0.33	0.075	11.5	8.40	0.37	0.114	8.5	7.56	0.40	0.040	14/09/98	14.86	16.98					
22/09/98	12.7	9.96	0.24	0.023	12.7	9.87	0.24	0.025	10.8	8.88	0.38	0.037	8.6	N/A	N/A	0.24	22/09/98	0.09	0.19					
29/09/98	16.0	11.69	0.56	0.018	16.2	11.62	0.53	0.021	16.3	11.62	0.55	0.018	10.8	11.21	0.38	0.038	29/09/98	0.09	0.09					
06/10/98	8.3	9.39	0.47	0.027	8.3	9.21	0.42	0.032	8.1	9.18	0.42	0.034	7.6	9.11	0.41	0.041	06/10/98	13.97	15.78					
13/10/98	9.1	8.06	0.45	0.050	9.1	8.02	0.41	0.096	8.8	7.92	0.40	0.168	7.2	7.92	0.41	0.168	13/10/98	17.23	22.59					
20/10/98	8.5	7.89	0.50	0.181	8.4	8.04	0.44	0.264	8.2	7.68	0.55	0.427	7.7	7.67	0.55	0.427	20/10/98	> 24.68	> 24.68					
27/10/98	8.1	8.61	0.36	0.274	8.0	8.37	0.31	0.374	7.9	8.08	0.27	0.483	8.0	7.68	0.36	0.483	27/10/98	> 24.68	> 24.68					



Table A6.61: Water chemistry data recorded on the 1<sup>st</sup> and 6<sup>th</sup> of November, 1998.

Table A6.61. Appendix 2.

## Brook Bottom Samples

Stephens Samples 01/11/98	Cl	NO <sub>3</sub>	SO <sub>4</sub>	Ca	Mg	Na	K	Fe
Top Spring 1.	26.9	7.0	14.4	68.9	1.0	8.6	4.2	0.2
Top Spring 2.	27.2	7.6	14.3	69.2	1.1	8.3	4.9	0.0
Bottom spring 1.	36.7	6.2	20.5	91.8	1.4	7.3	2.3	0.5
Bottom spring 2.	35.5	6.9	20.5	90.5	1.3	7.9	2.8	0.4
Landslide Pool	14.8	8.7	18.6	78.3	0.5	4.3	2.6	0.0
Site 0.	18.4	7.0	13.3	76.1	0.9	4.9	2.2	0.5
Site 0.	17.7	6.7	13.5	77.9	1.0	5.1	2.9	0.4
Site 1.	28.1	7.4	13.9	61.8	0.9	7.5	3.9	0.6
Site 1.	26.5	7.2	14.0	62.7	1.0	7.4	4.3	0.6
Site 10.	27.3	7.0	14.2	60.0	1.0	7.3	5.5	0.2
Site 15.	29.2	6.4	14.1	54.8	1.0	7.7	5.6	0.3

## Pauls Samples 06/11/98

Pauls Samples 06/11/98	Cl	NO <sub>3</sub>	SO <sub>4</sub>	Ca	Mg	Na	K	Fe
Lagoon Spring	33.3	12.2	0.5	666	0	50	0	0.3
Footbridge	23.7	6.7	14.9	52.1	1.2	13.7	13.2	0.4
Sidestream	23.2	4.2	15	74.8	2.2	14.5	2.3	0
Wye Confluence	25.9	7.4	19.4	71	1.7	16.2	6.2	0.4
Site 0.	25.6	8.1	12.5	75	1.3	14.1	2	0.2
Site 1.	22.7	7.1	15.5	69.9	1.1	12.6	3.1	0.3
Stream 2.	26.3	6.8	18.7	56.2	1.5	12.9	5.2	0.7
Road Culvert	30.9	7.1	13	56.6	1.3	13	6.2	0.3



Figure A5.20: An aerial photograph of the Brook Bottom site taken in 1971.



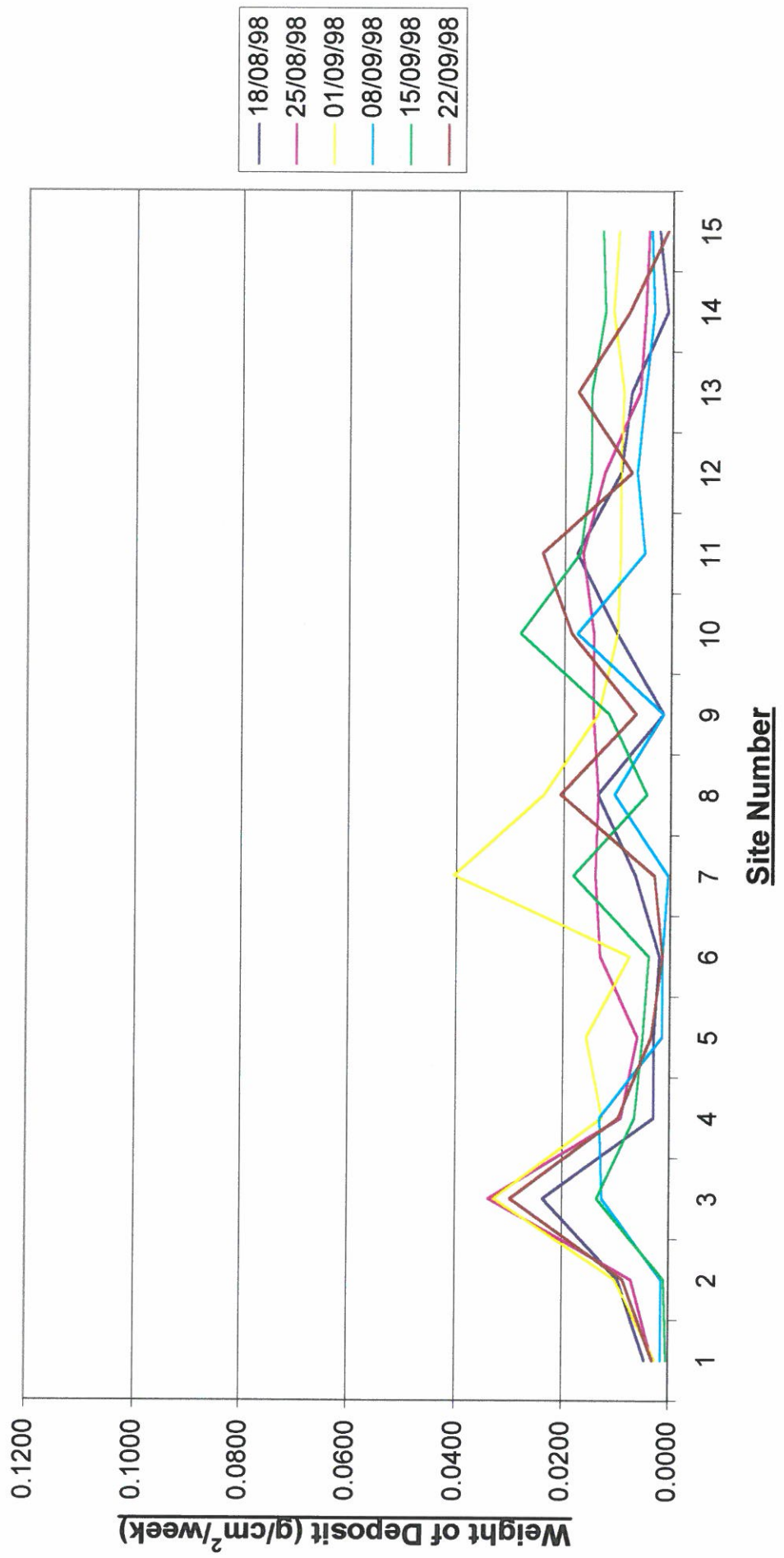
Key	
	Lime Ash Tips
	Main Body of Tufa
	Main Stream
	Tributary Stream

Scale 75m

Source: Ordnance Survey, Aerial Photograph (1971) 71098, No. 402, 28/04/71.

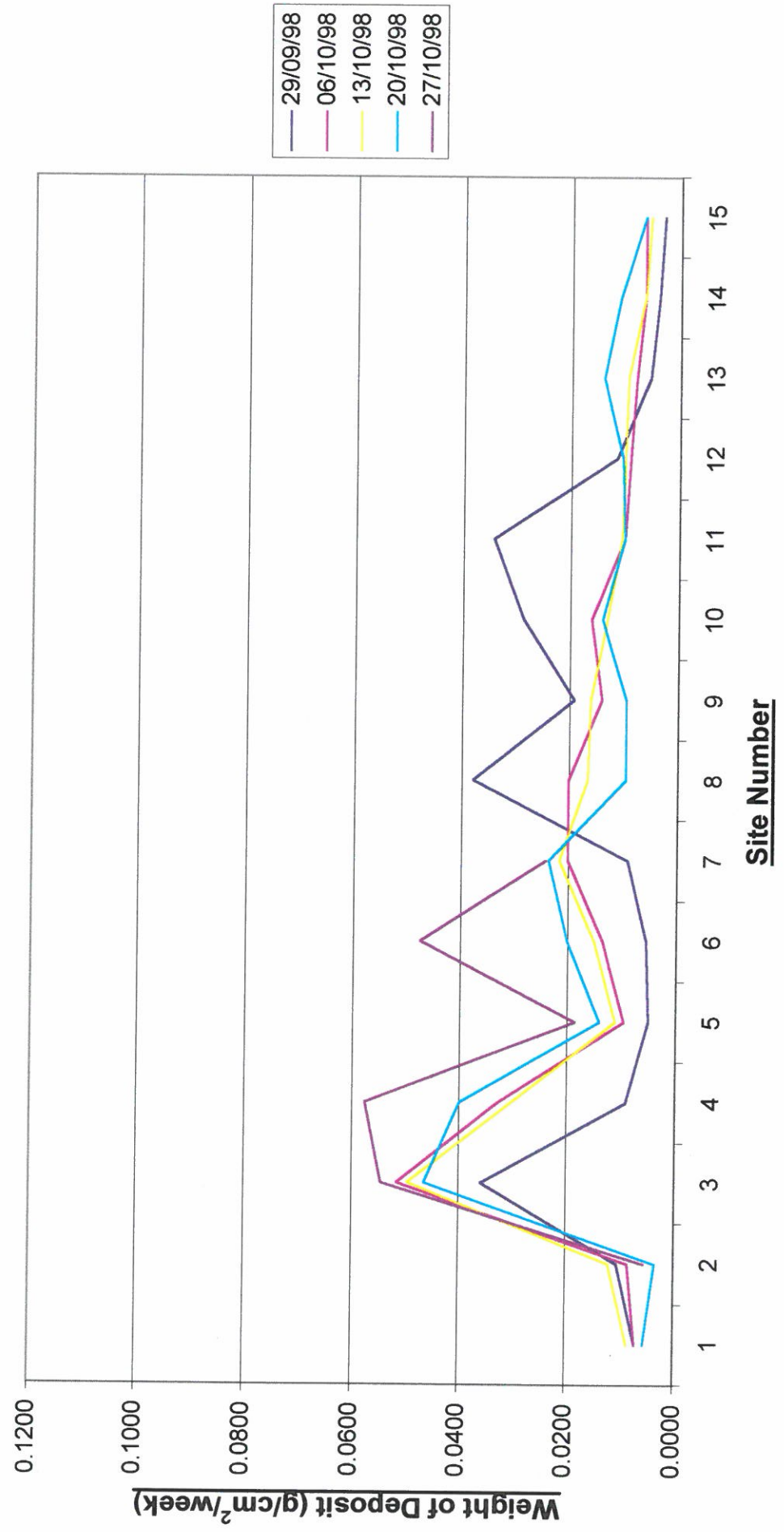


**Appendix 4. Figure A: Minimum Deposition Weights for Sites 1-15.**

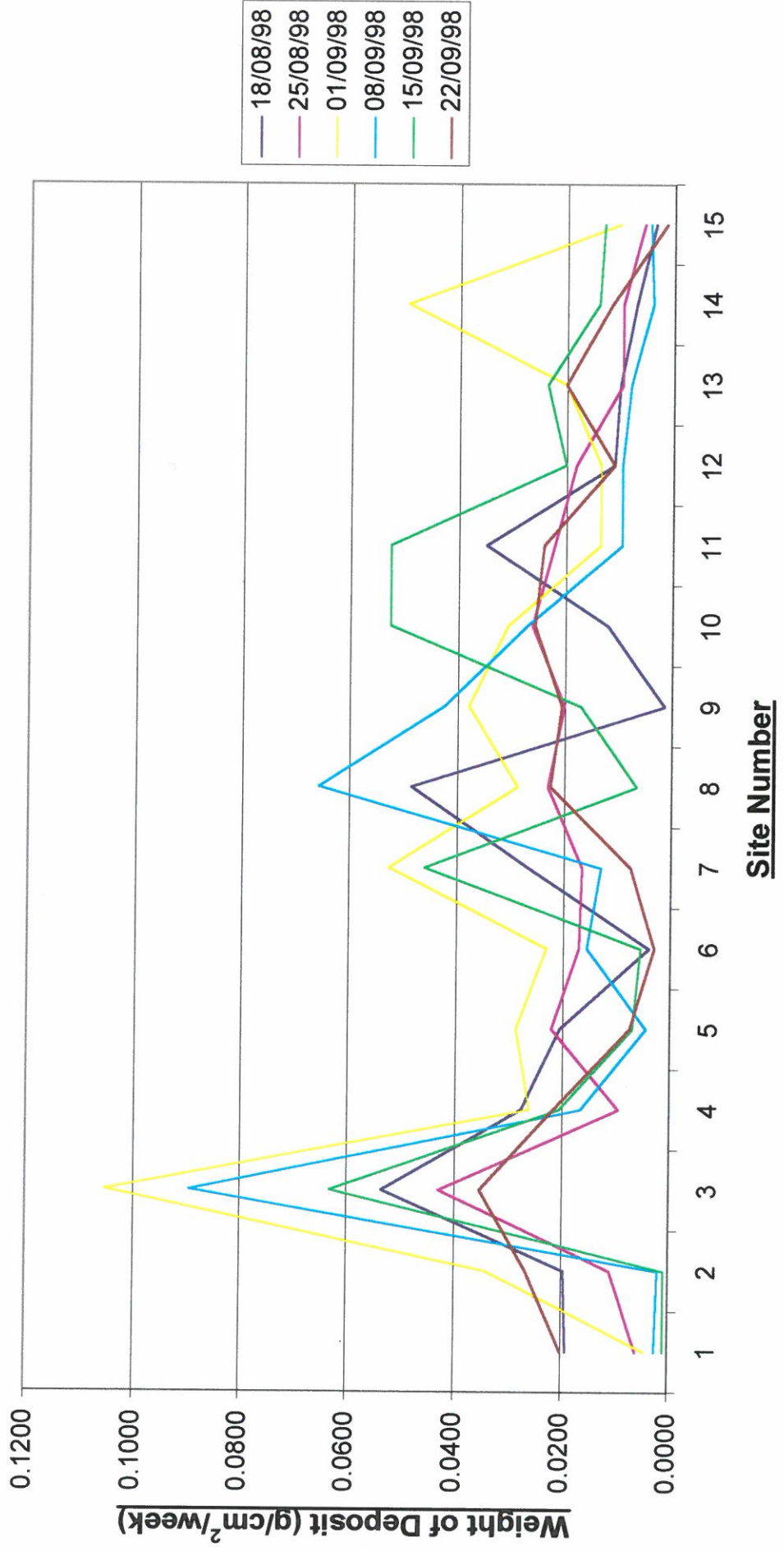




**Appendix 4. Figure B: Minimum Deposition Weights for Sites 1-15.**

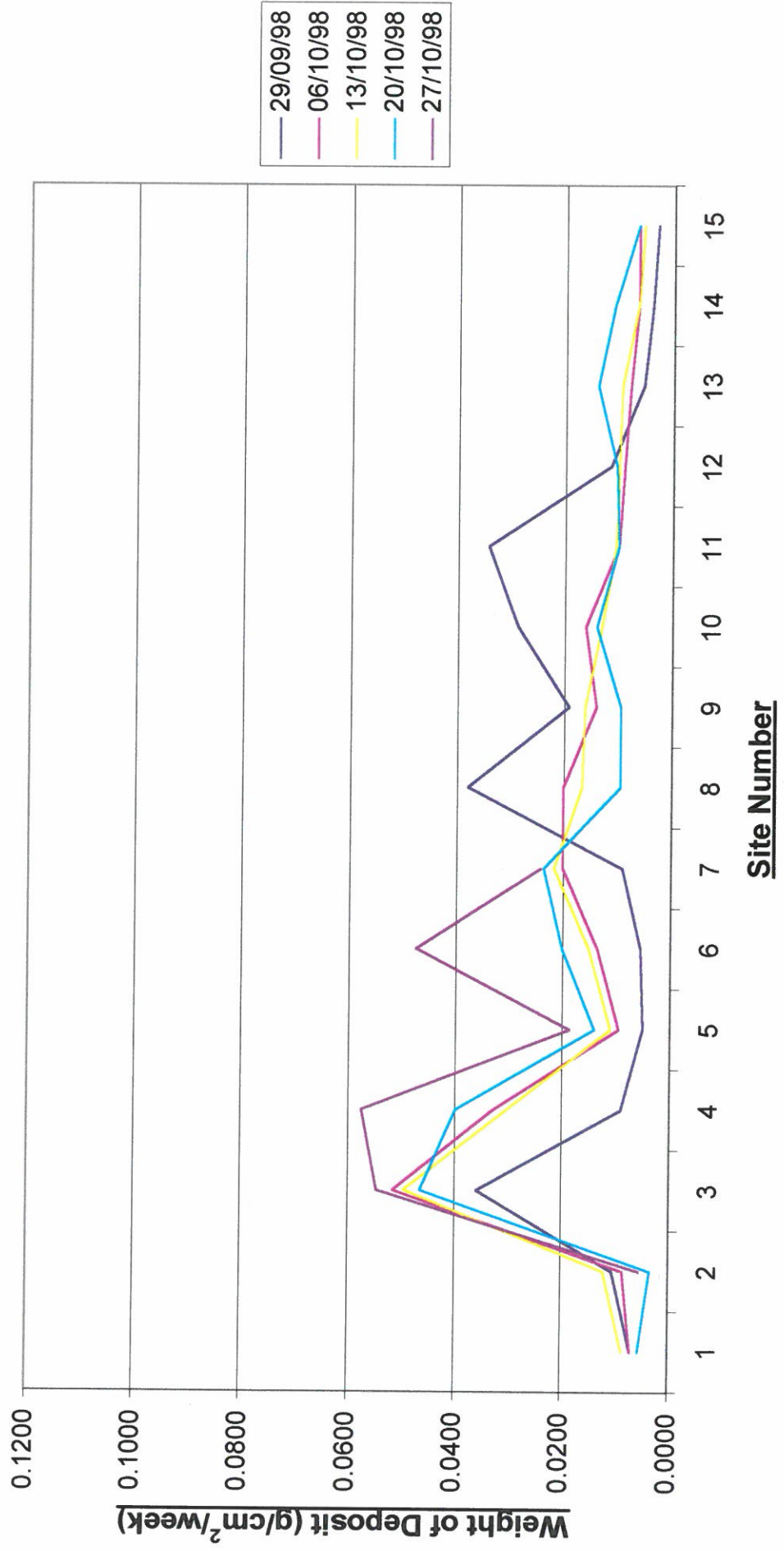


**Appendix 4. Figure C: Maximum Deposition Weights for Sites 1-15.**



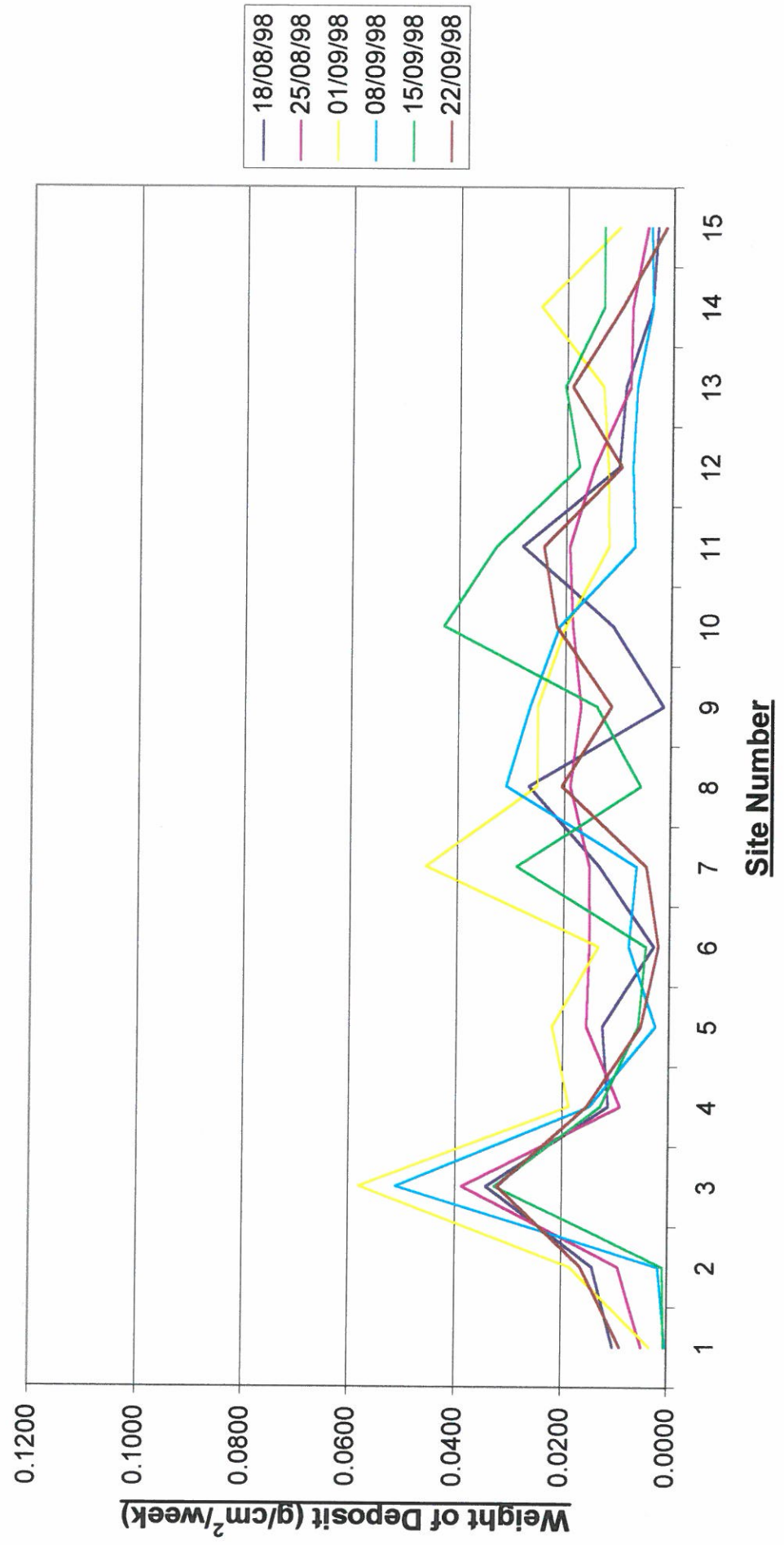


**Appendix 4. Figure D: Maximum Deposition Weights for Sites 1-15.**

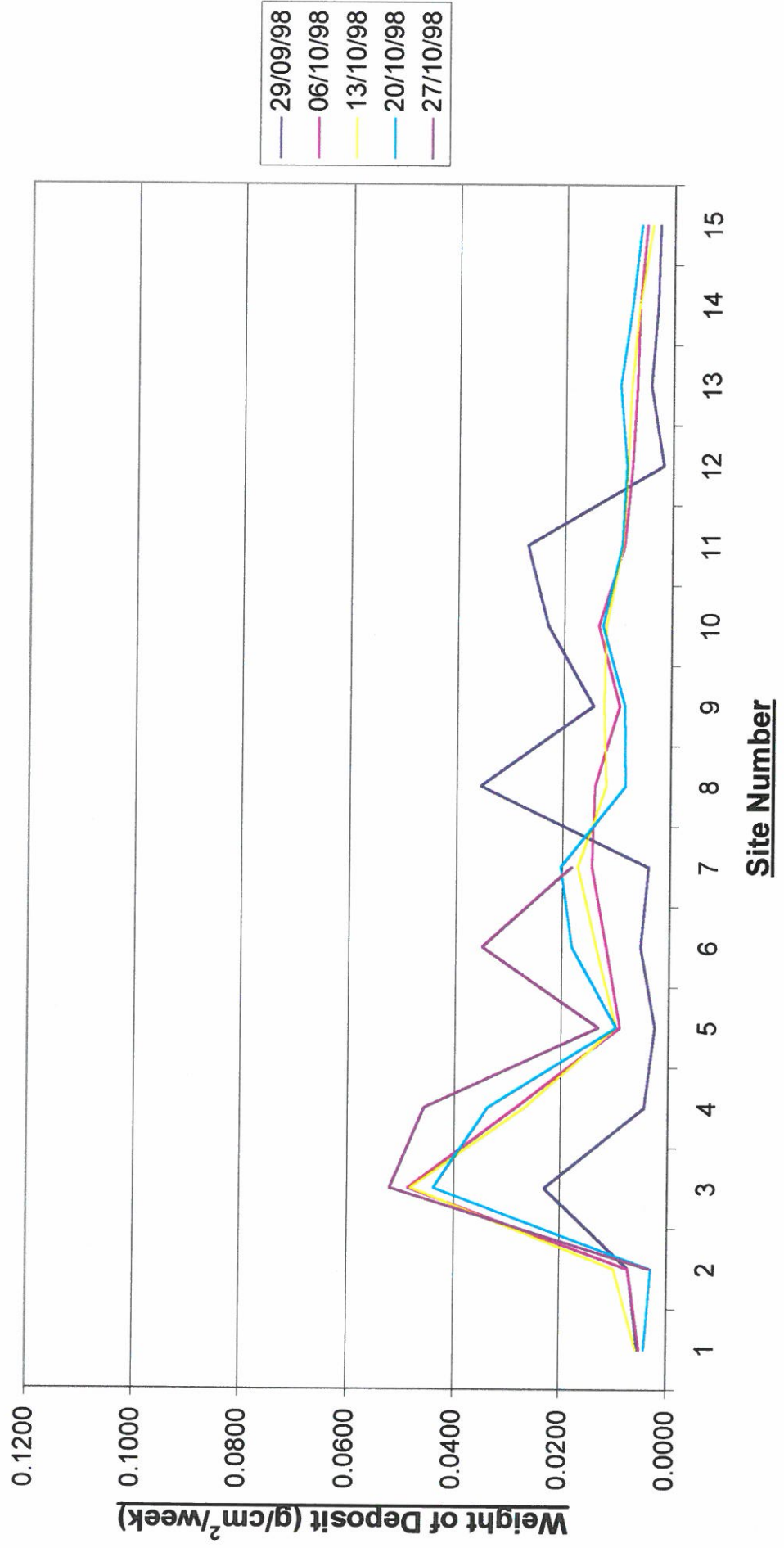




**Appendix 4. Figure E: Mean Deposition Weights for Sites 1-15.**

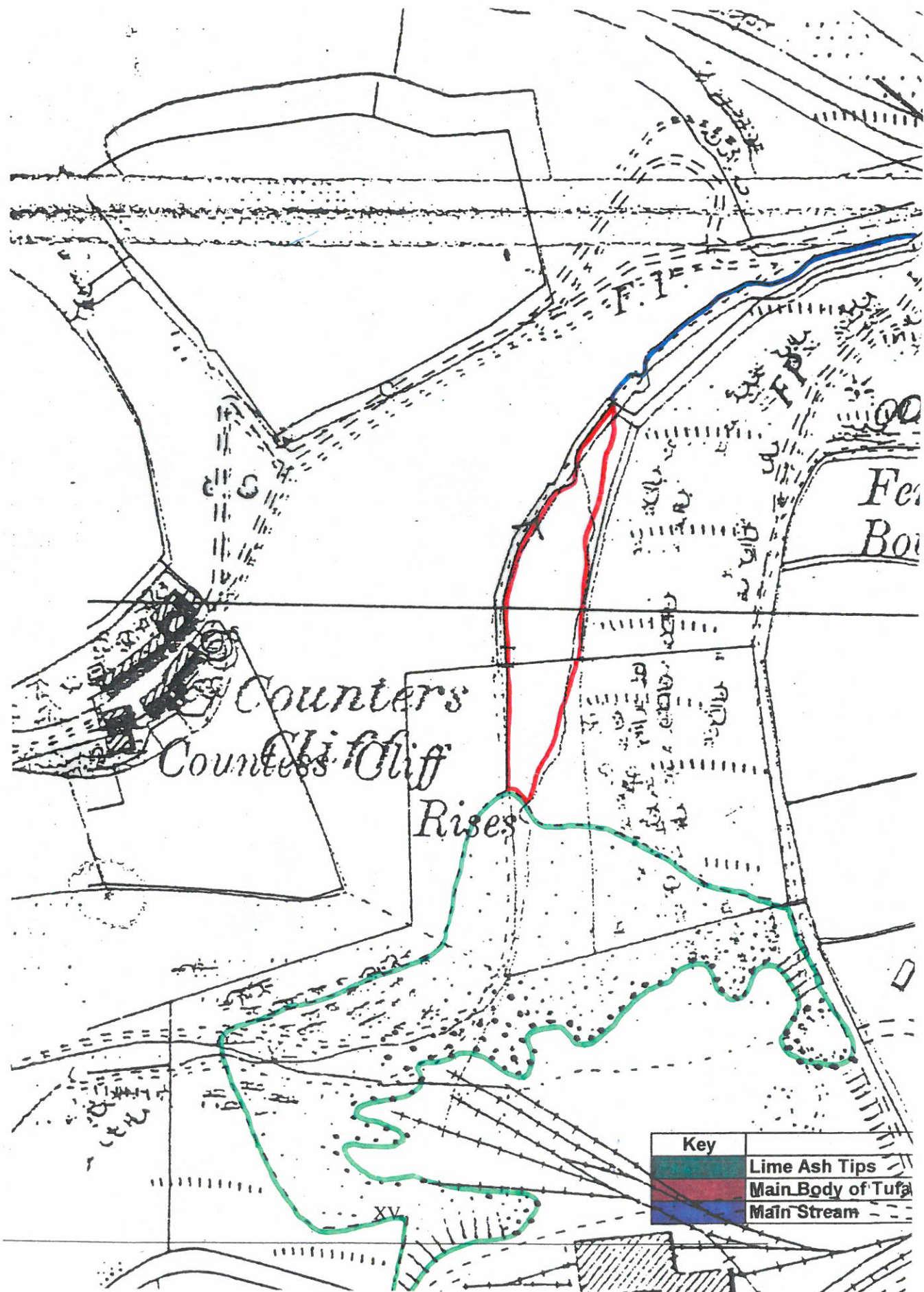


**Appendix 4. Figure F: Mean Deposition Weights for Sites 1-15.**





Map A6.72: Base Map: 1883 Overlay Map: 1938

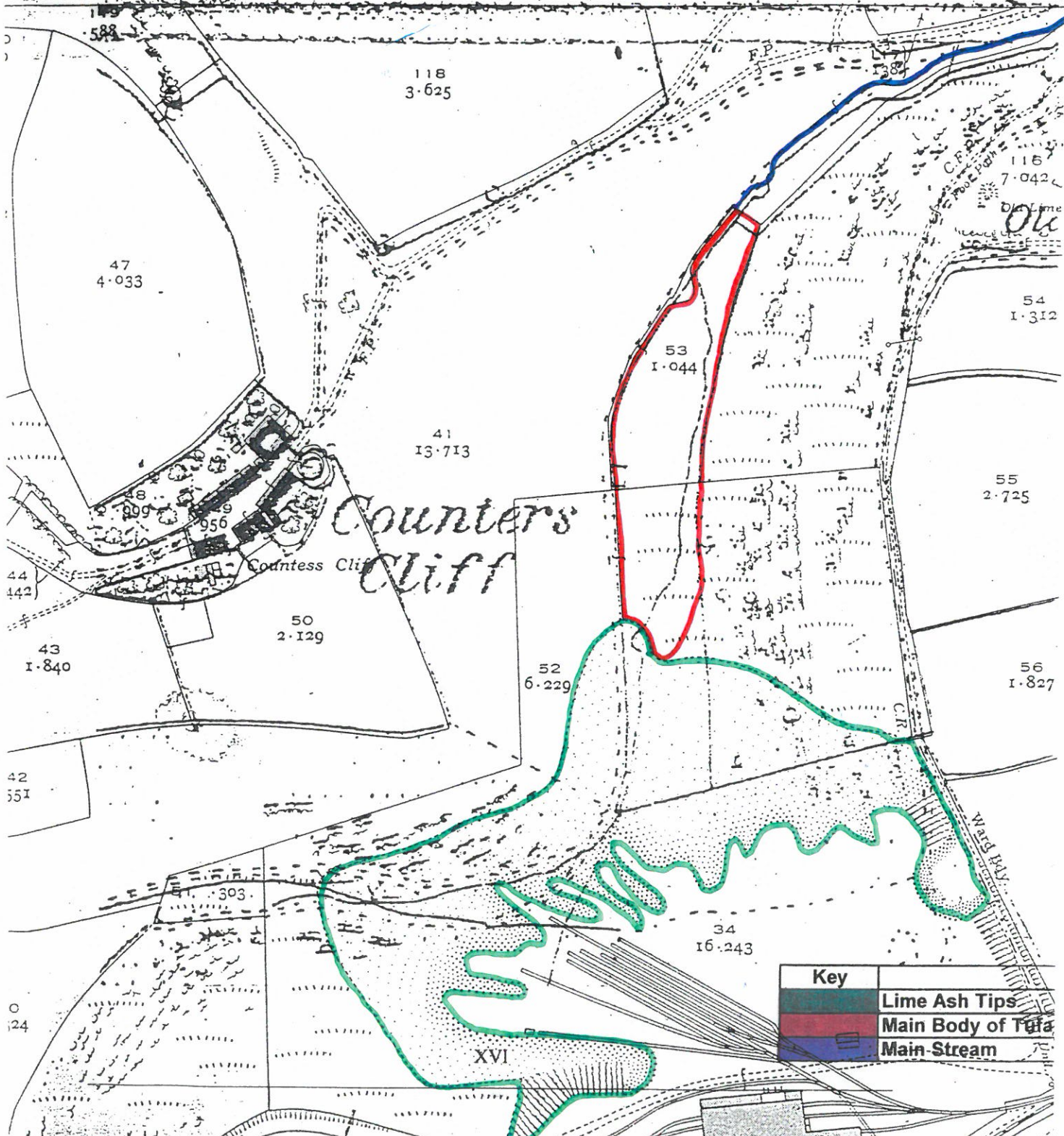




Map A6.73: Base Map: 1883 Overlay Map: 1948

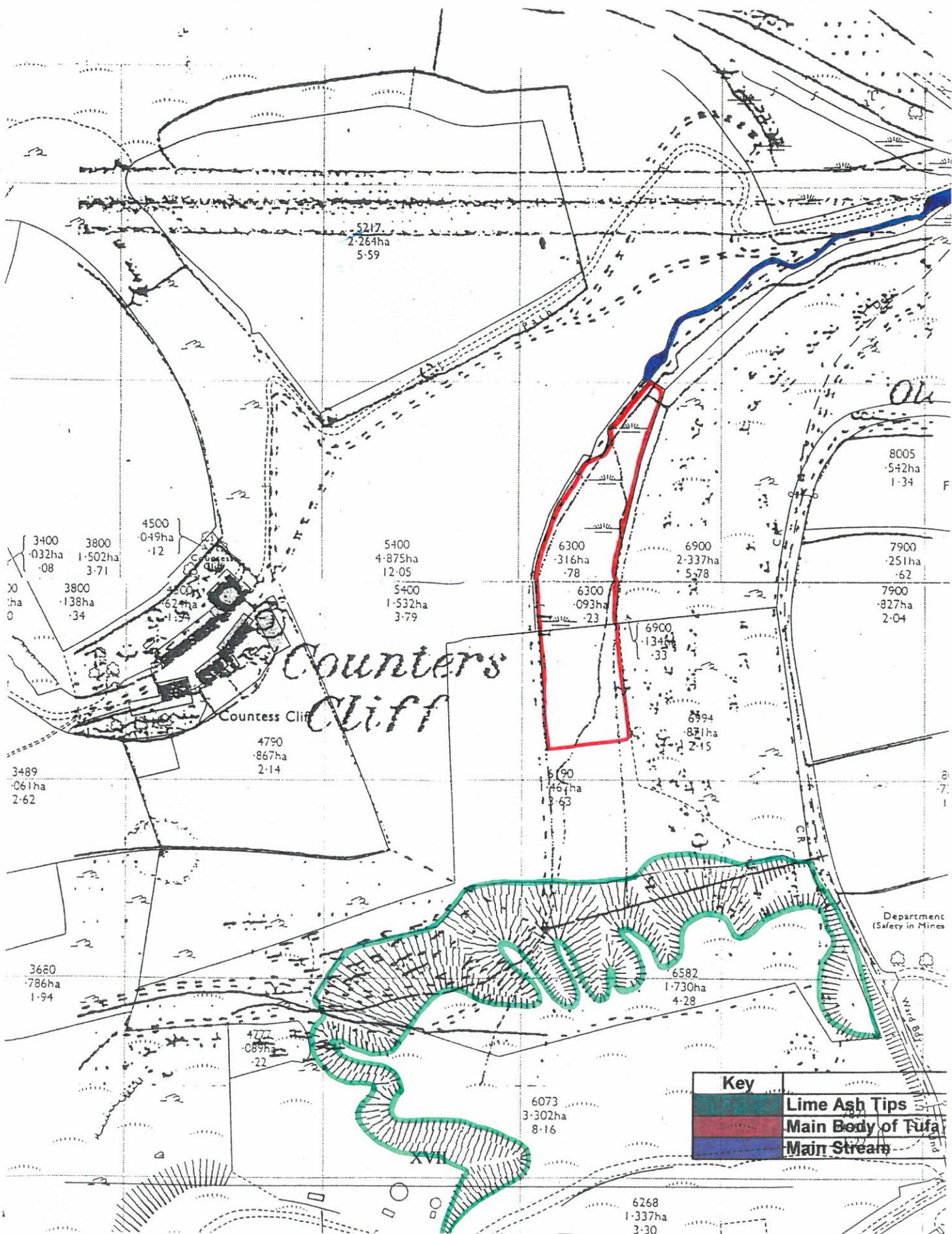
Following parcel numbers do not appear on this edition: —  
 n of Kingsterndale. 72, 72.  
 Parish of Harrington Upper Quarter has been re-numbered.

*Harper Hill*

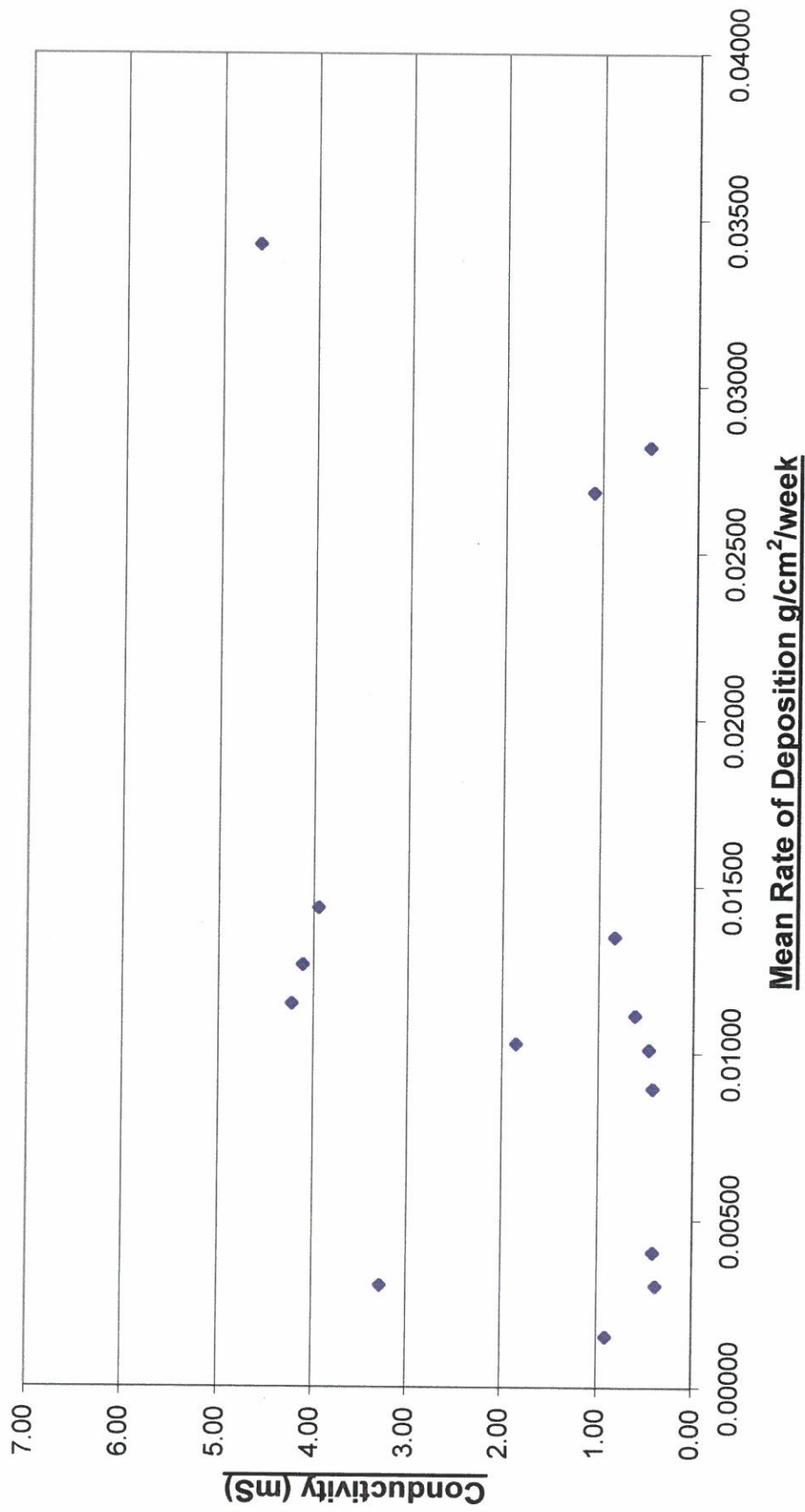




Map A6.74: Base Map: 1883 Overlay Map: 1971

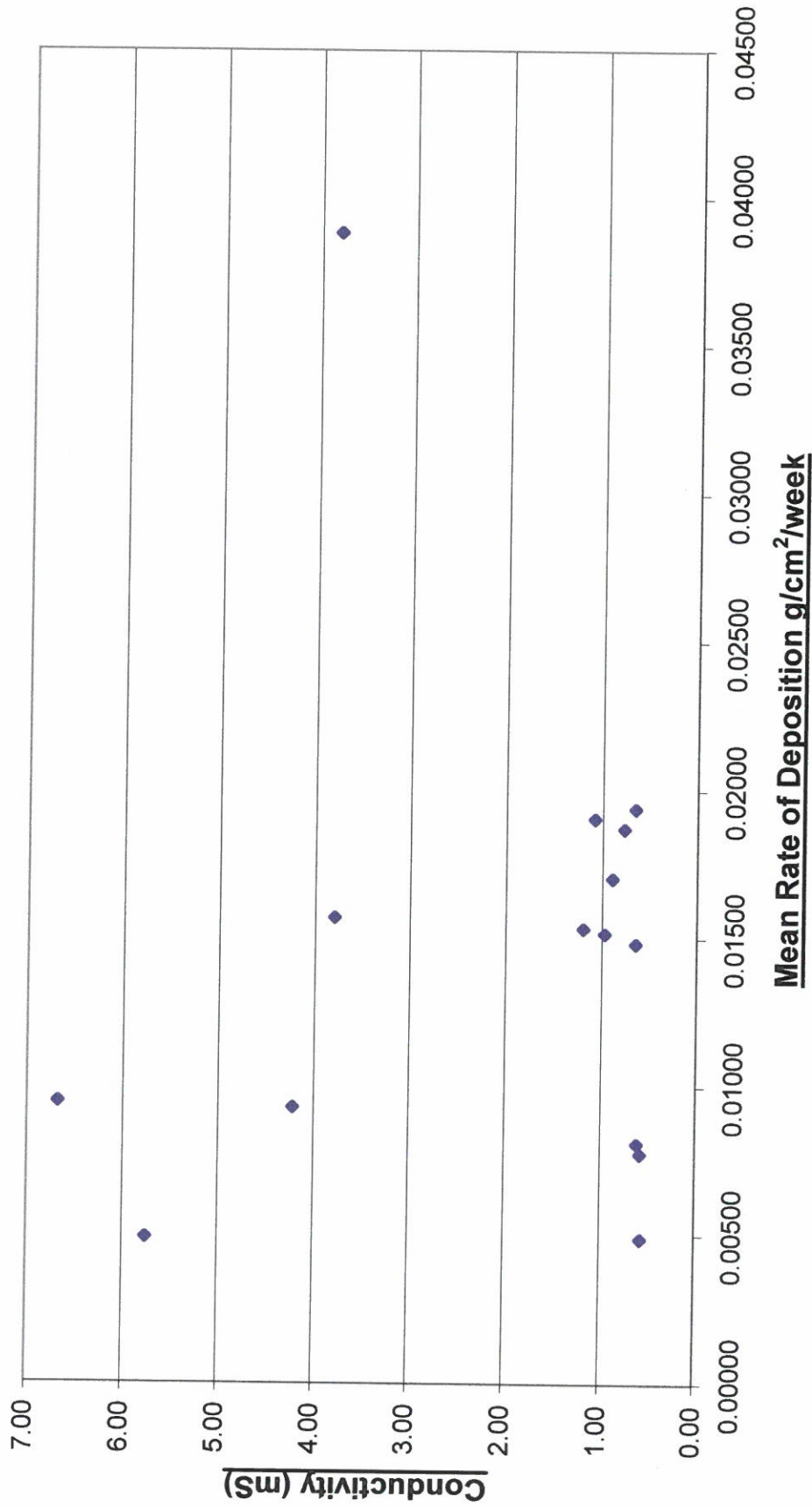


**Appendix 6: Figure A: A Scatter Graph of Conductivity Against the Rate of Deposition (18/08/98).**

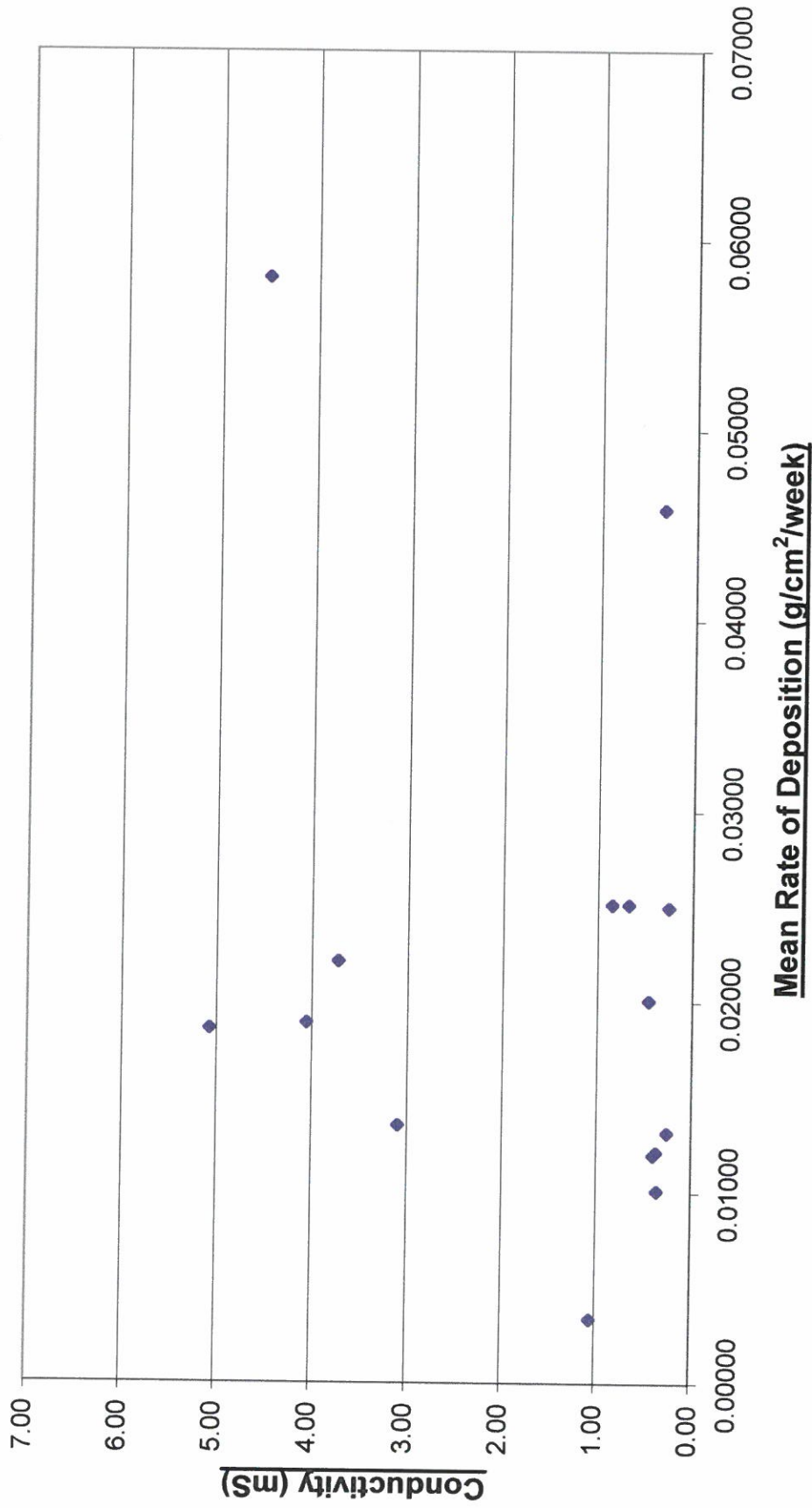




**Appendix 6: Figure B: A Scatter Graph of Conductivity Against the Rate of Deposition (25/08/98).**

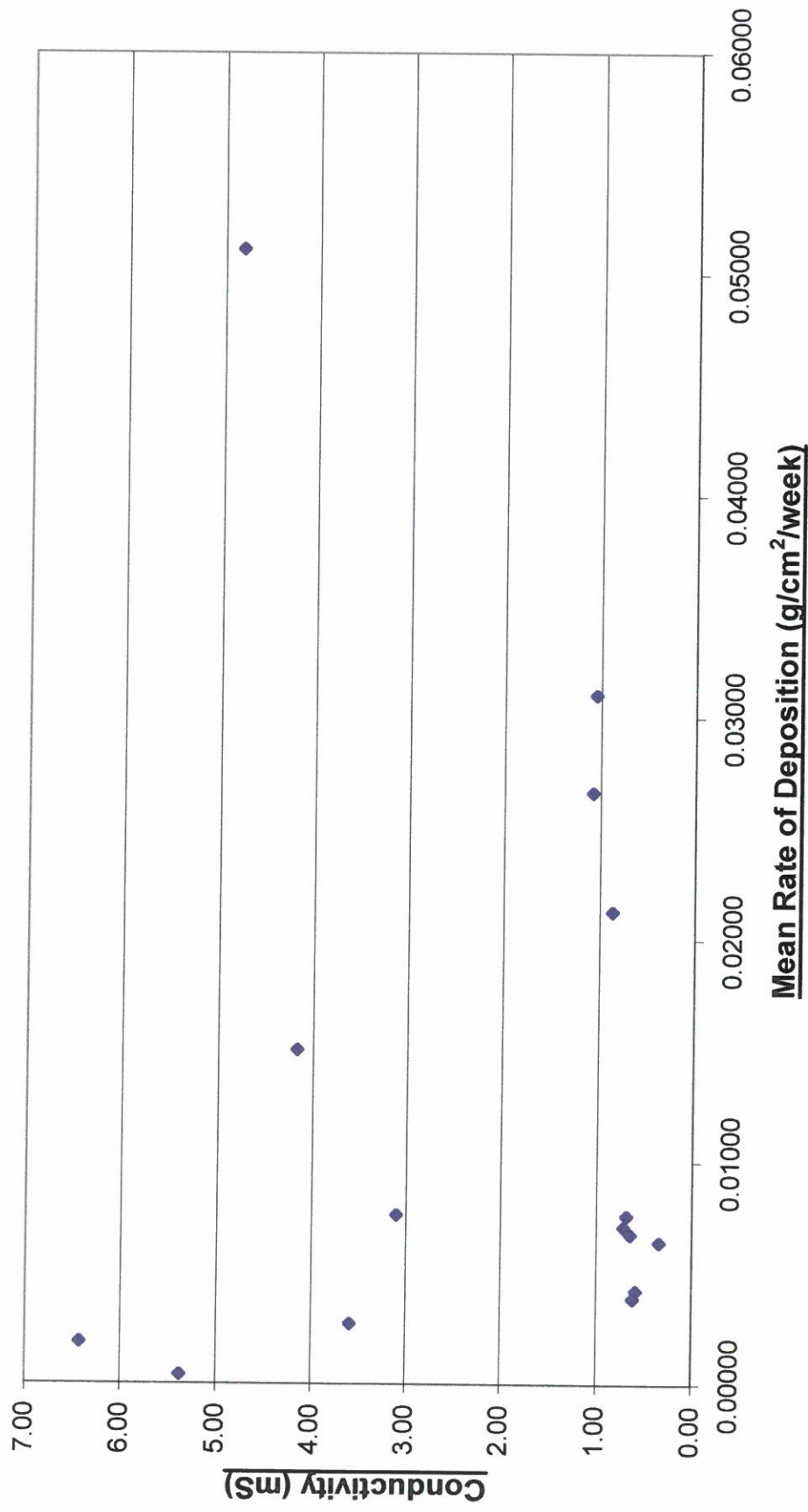


**Appendix 6: Figure C: A Scatter Graph of Conductivity Against the Rate of Deposition (01/09/98).**

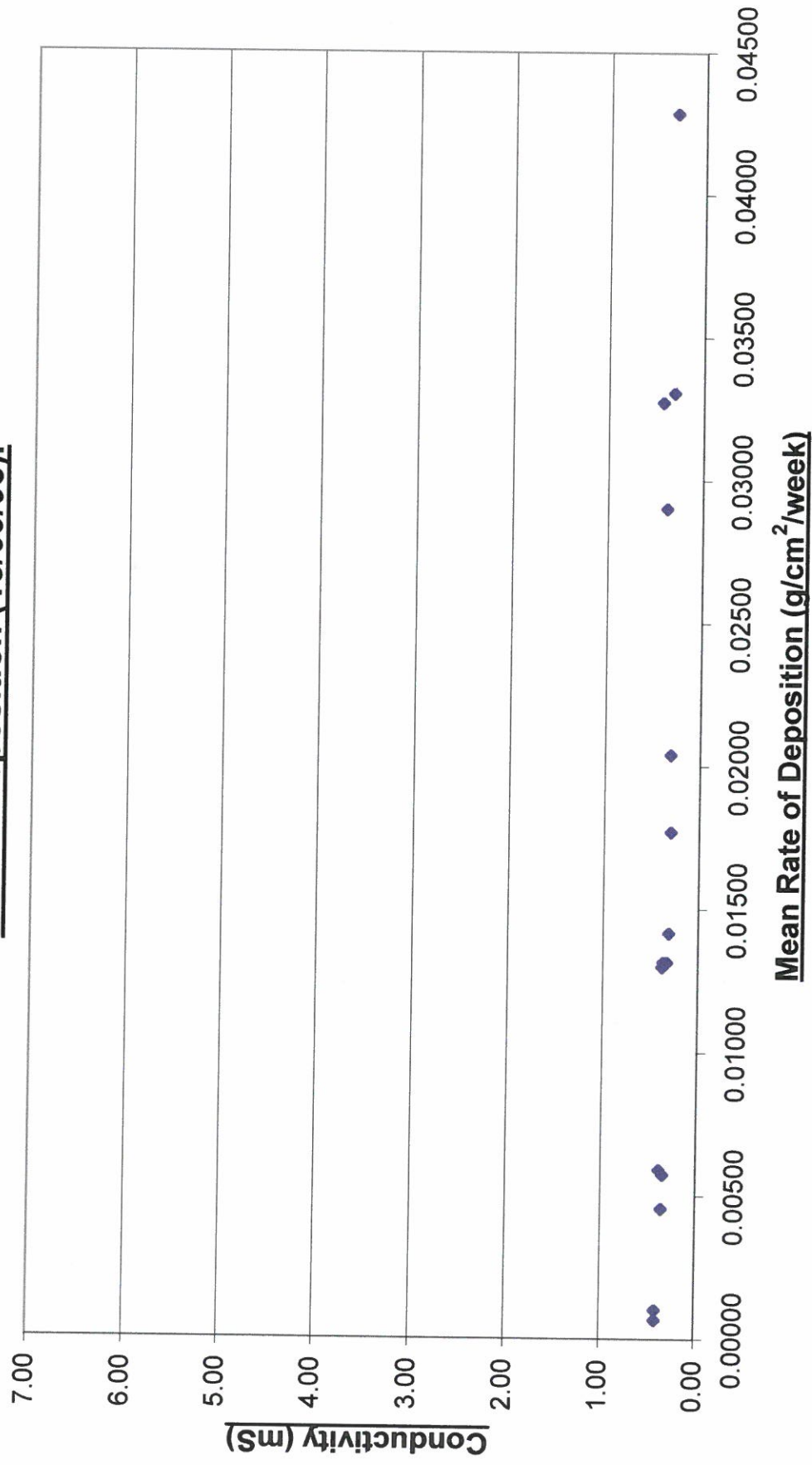




**Appendix 6: Figure D: A Scatter Graph of Conductivity Against the Rate of Deposition (08/09/98).**

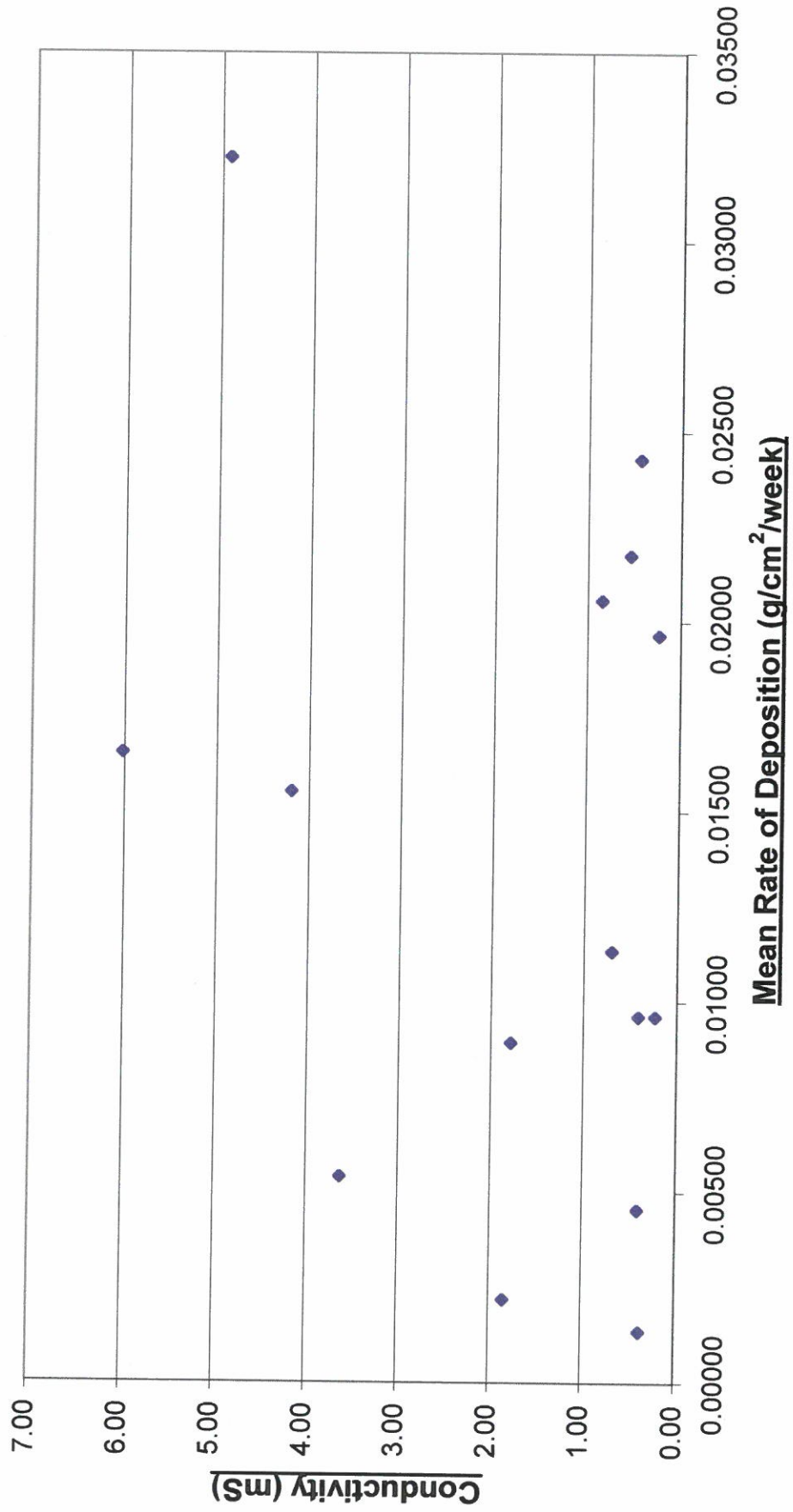


**Appendix 6: Figure E: A Scatter Graph of Conductivity Against the Rate of Deposition (15/09/98).**

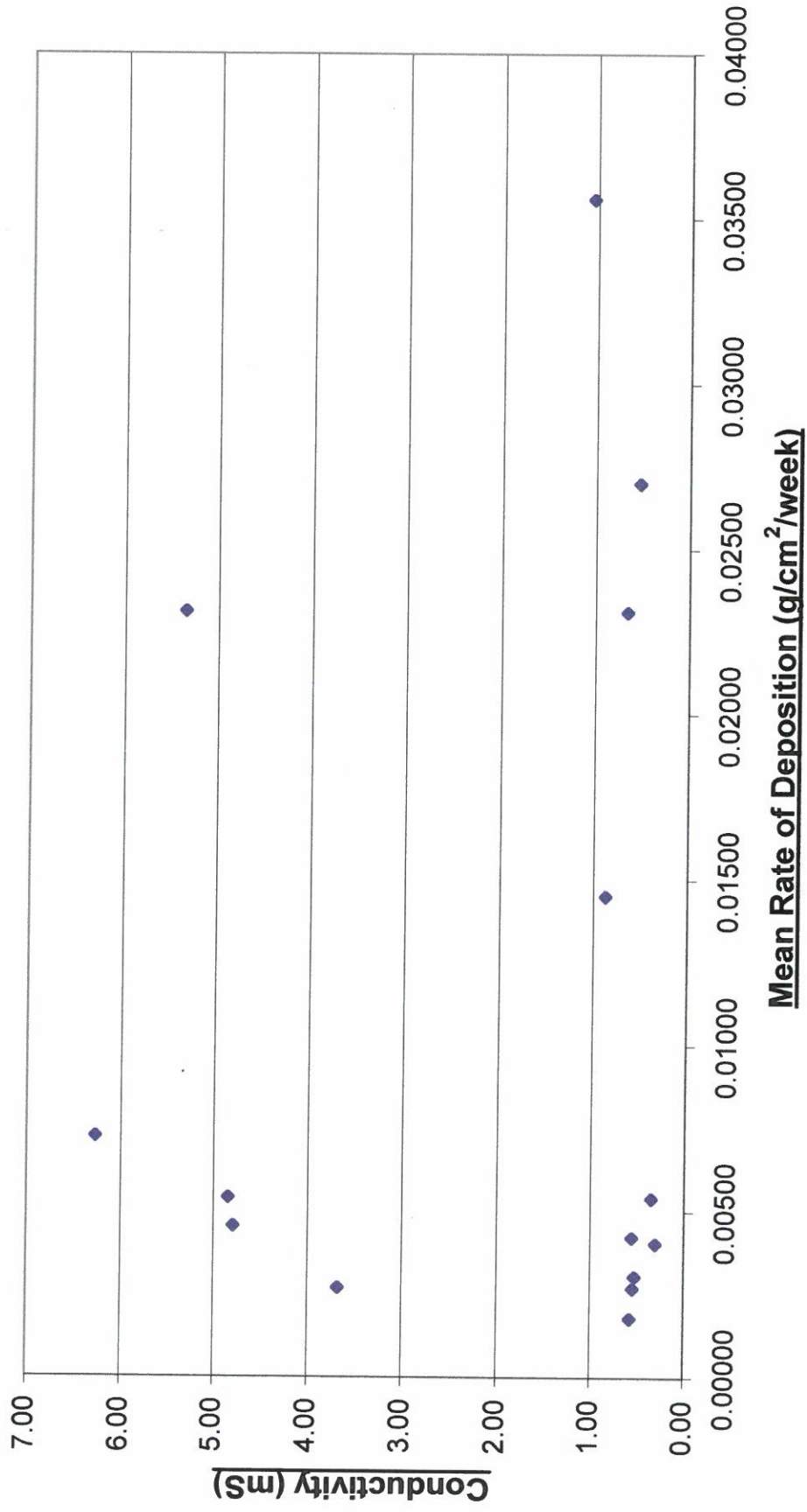




**Appendix 6: Figure F: A Scatter Graph of Conductivity Against the Rate of Deposition (22/09/98).**

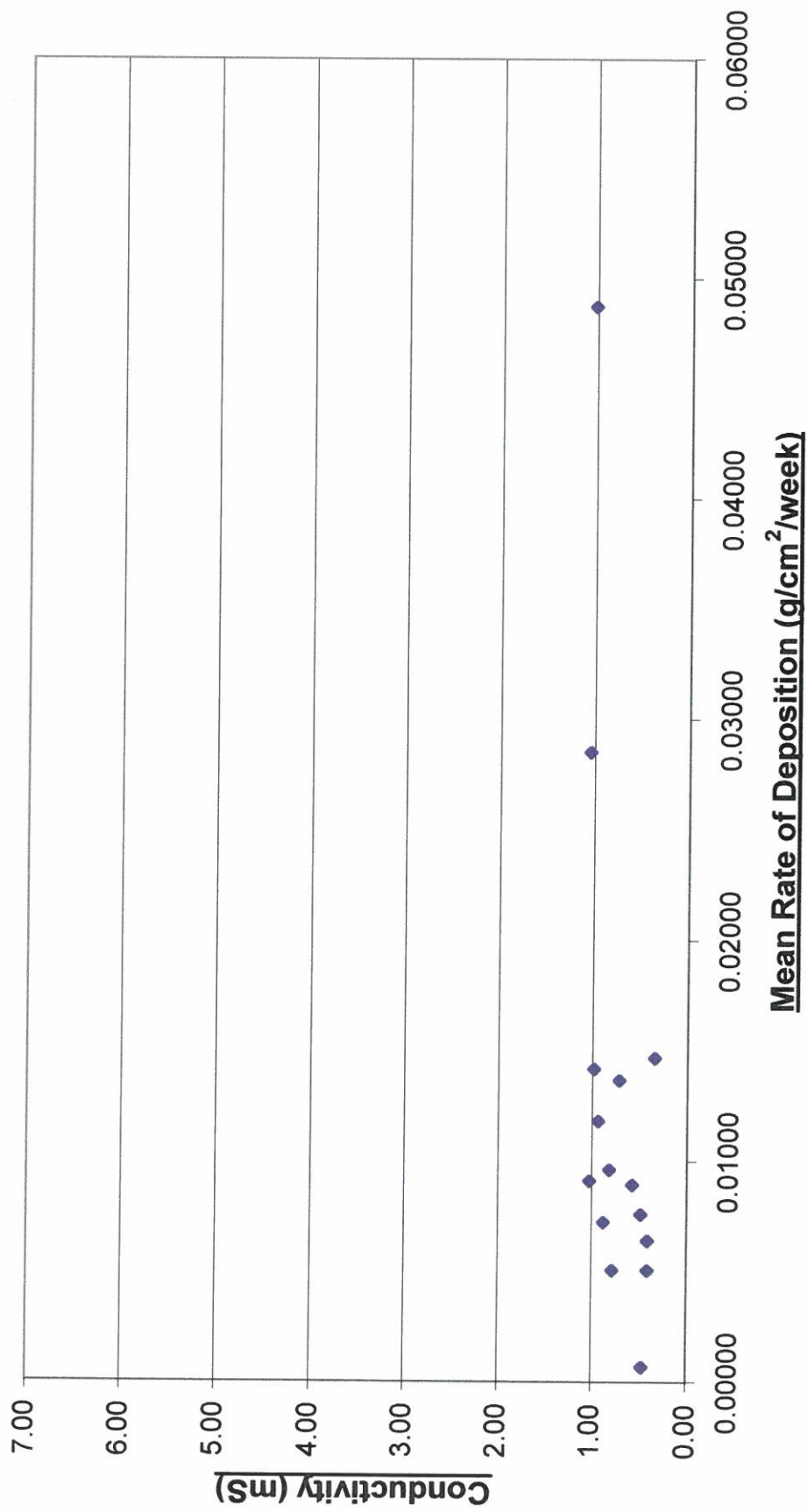


**Appendix 6: Figure G: A Scatter Graph of Conductivity Against the Rate of Deposition (29/09/98).**

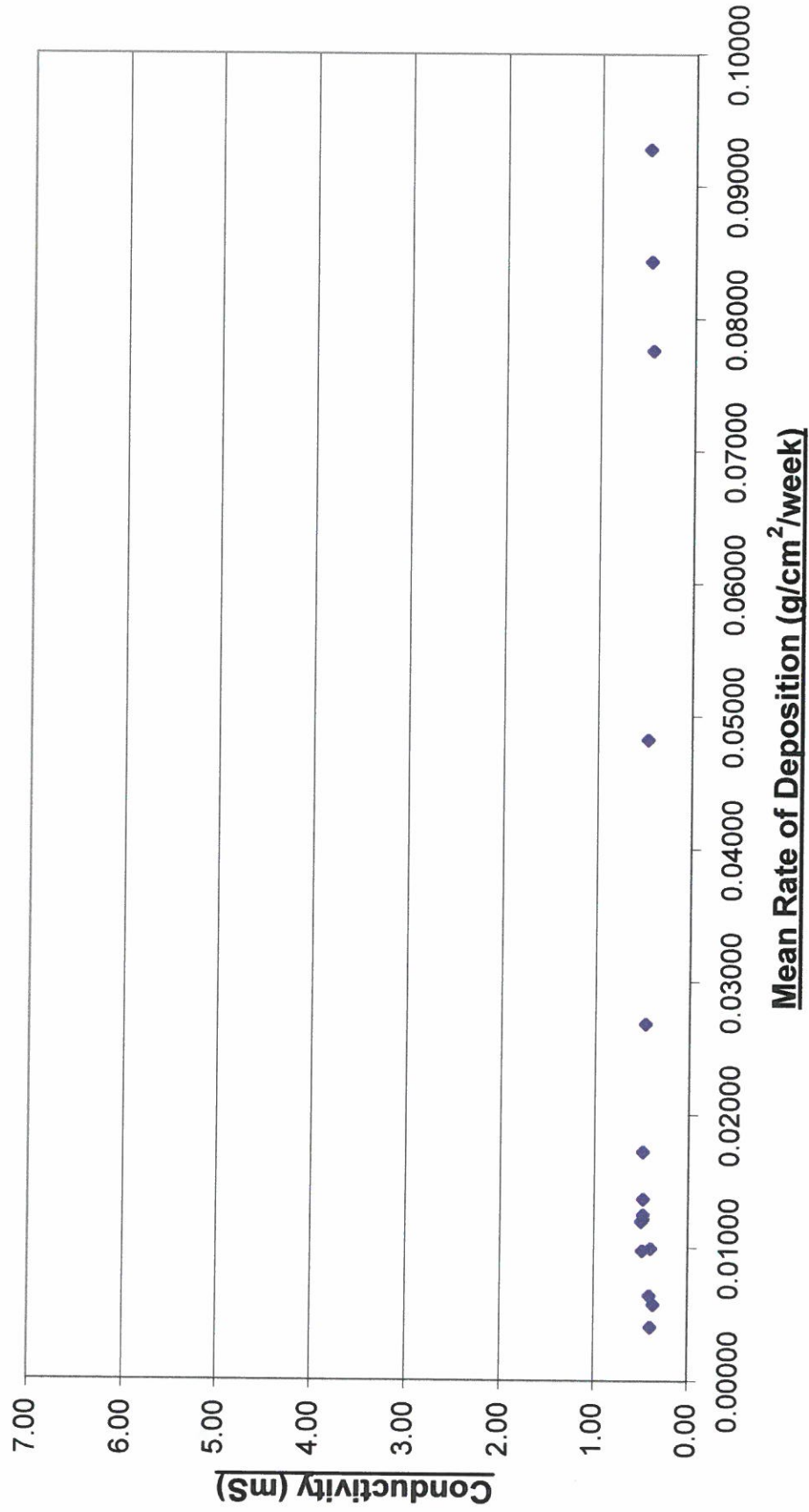




**Appendix 6: Figure H: A Scatter Graph of Conductivity Against the Rate of Deposition (06/10/98).**

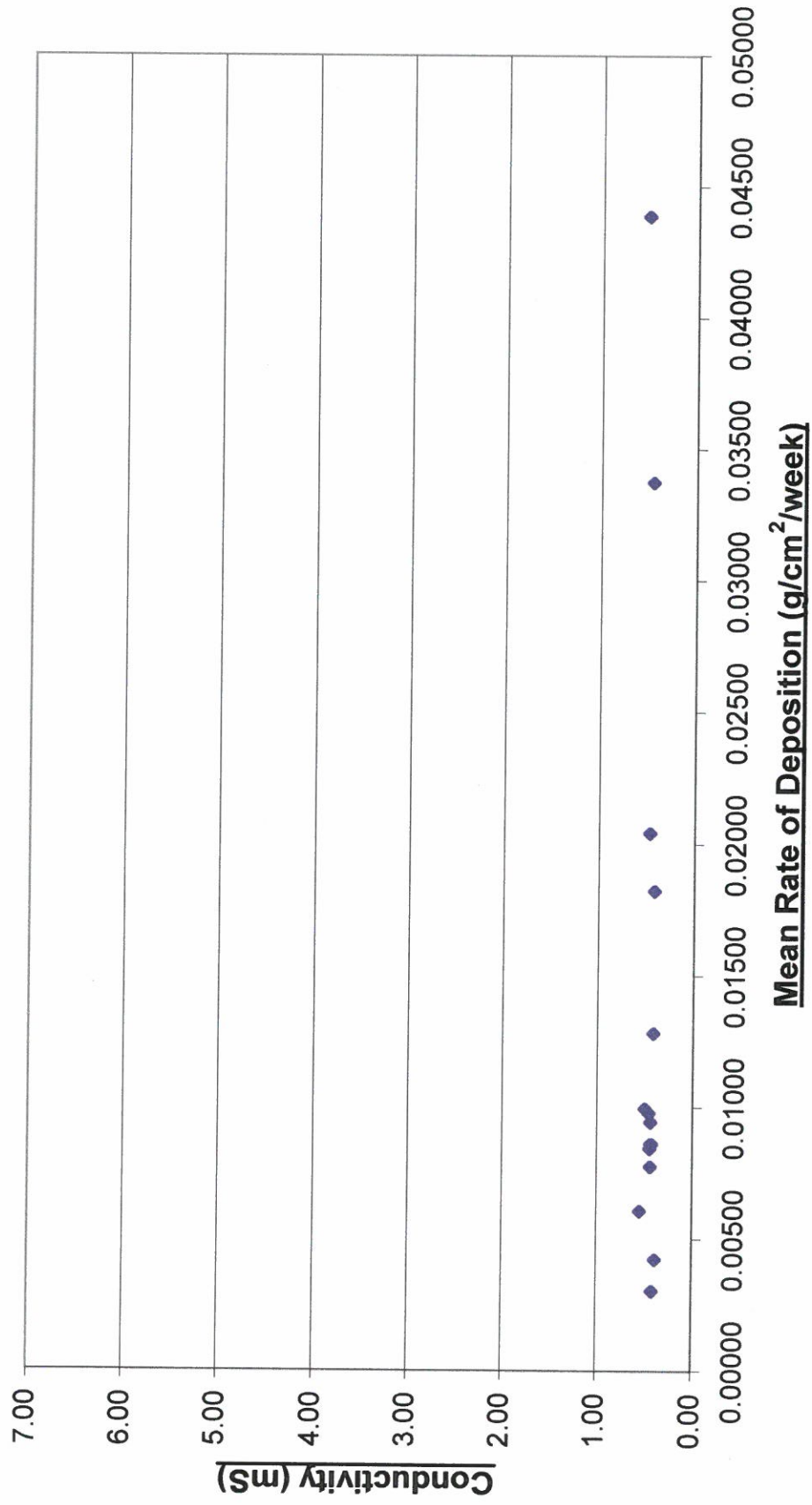


**Appendix 6: Figure I: A Scatter Graph of Conductivity Against the Rate of Deposition (13/10/98).**

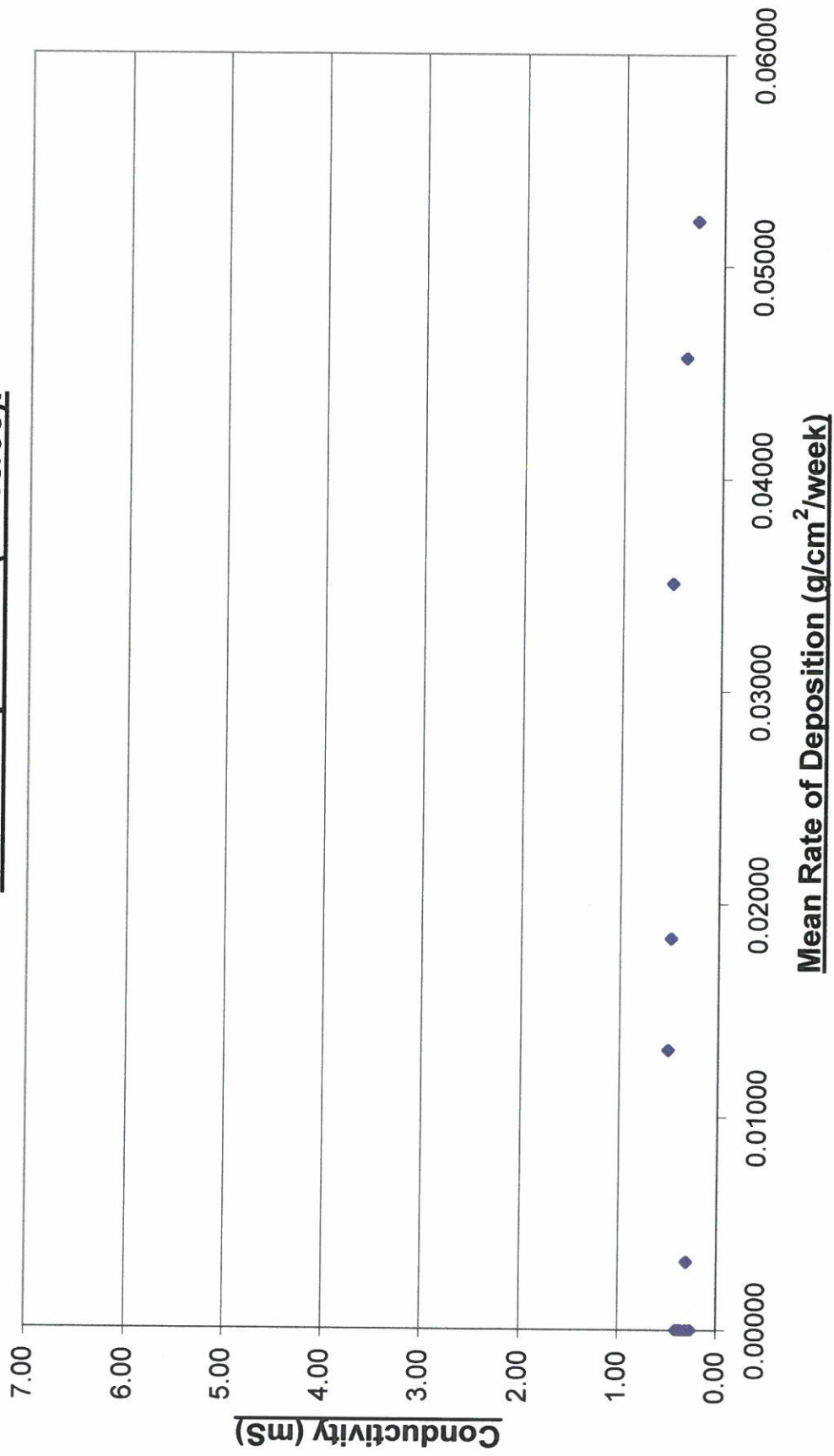




**Appendix 6: Figure J: A Scatter Graph of Conductivity Against the Rate of Deposition (20/10/98).**

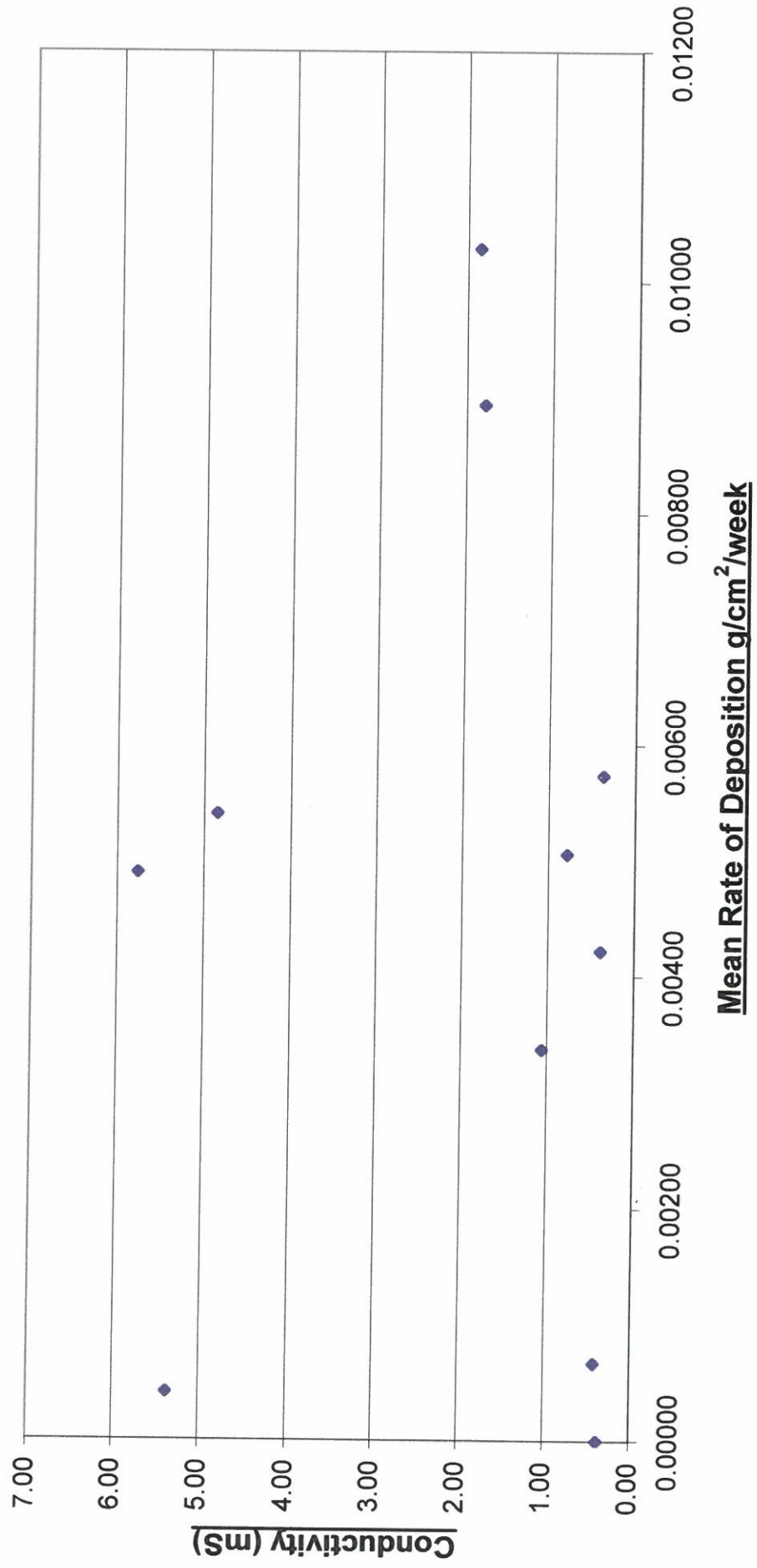


**Appendix 6: Figure K: A Scatter Graph of Conductivity Against the Rate of Deposition (27/10/98).**

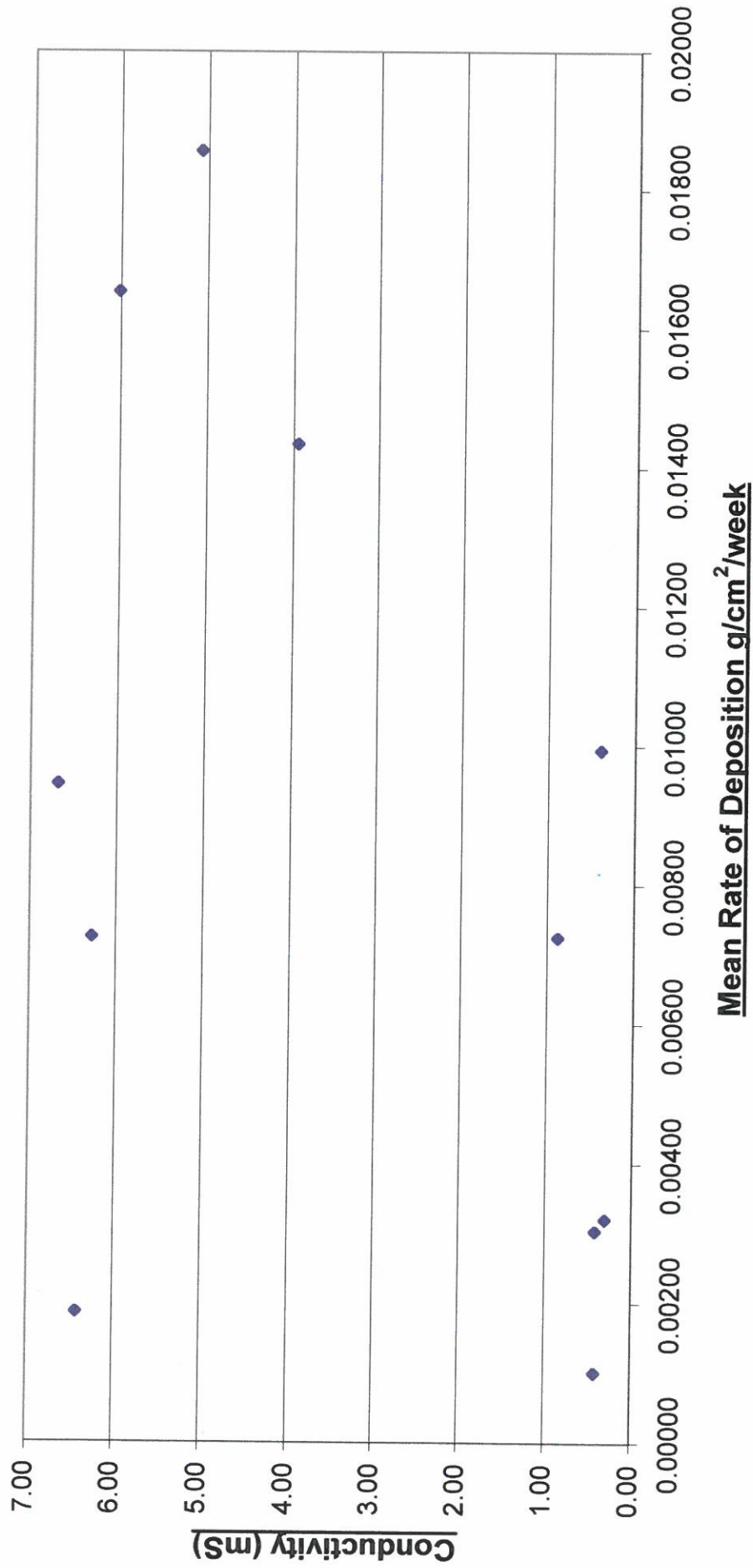




**Appendix 7: Figure A: A Scatter Graph of Conductivity Against the Rate of Deposition at Site One Over the Period (18/08/98-27/10/98)**

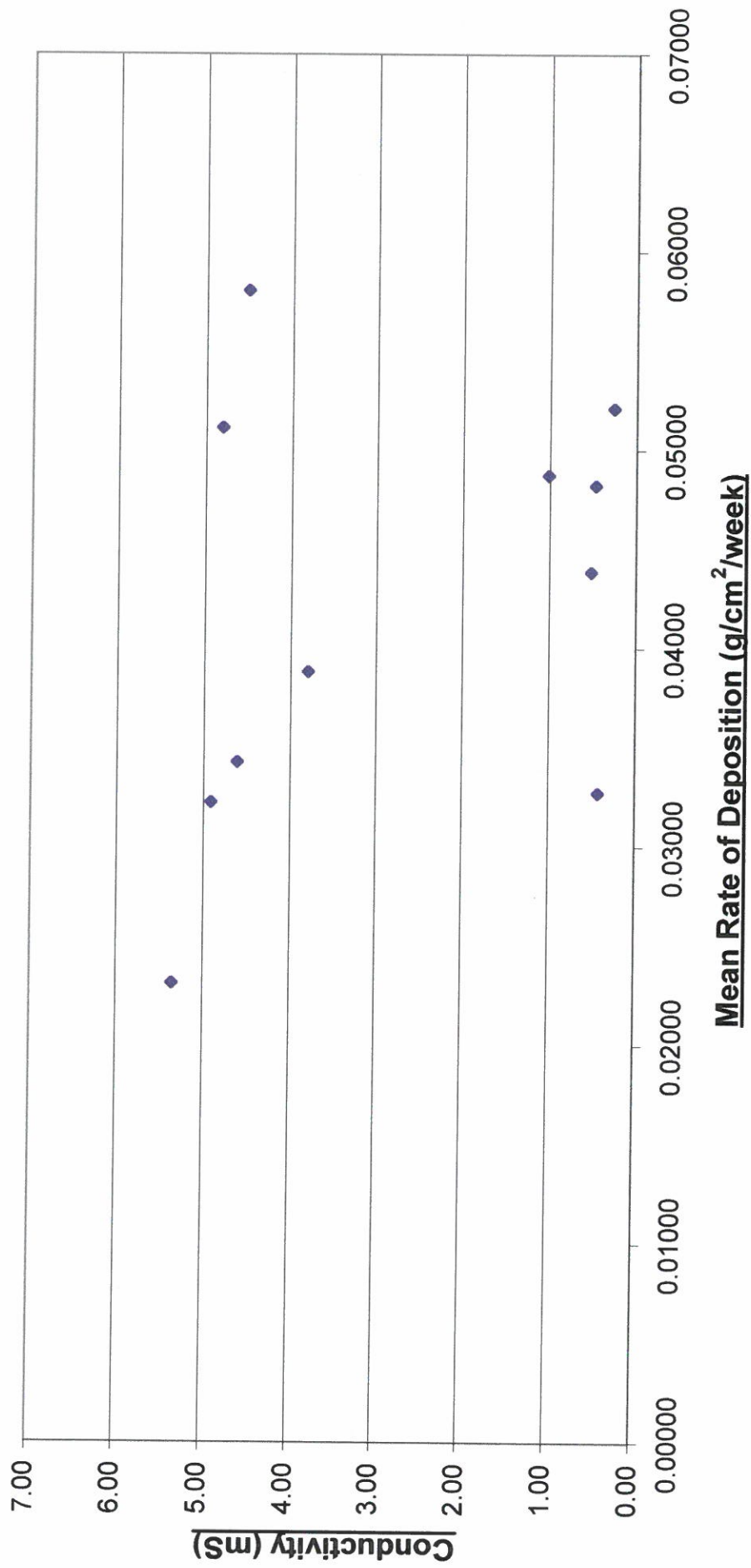


**Appendix 7: Figure B: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Two Over the Period (18/08/98-27/10/98)**

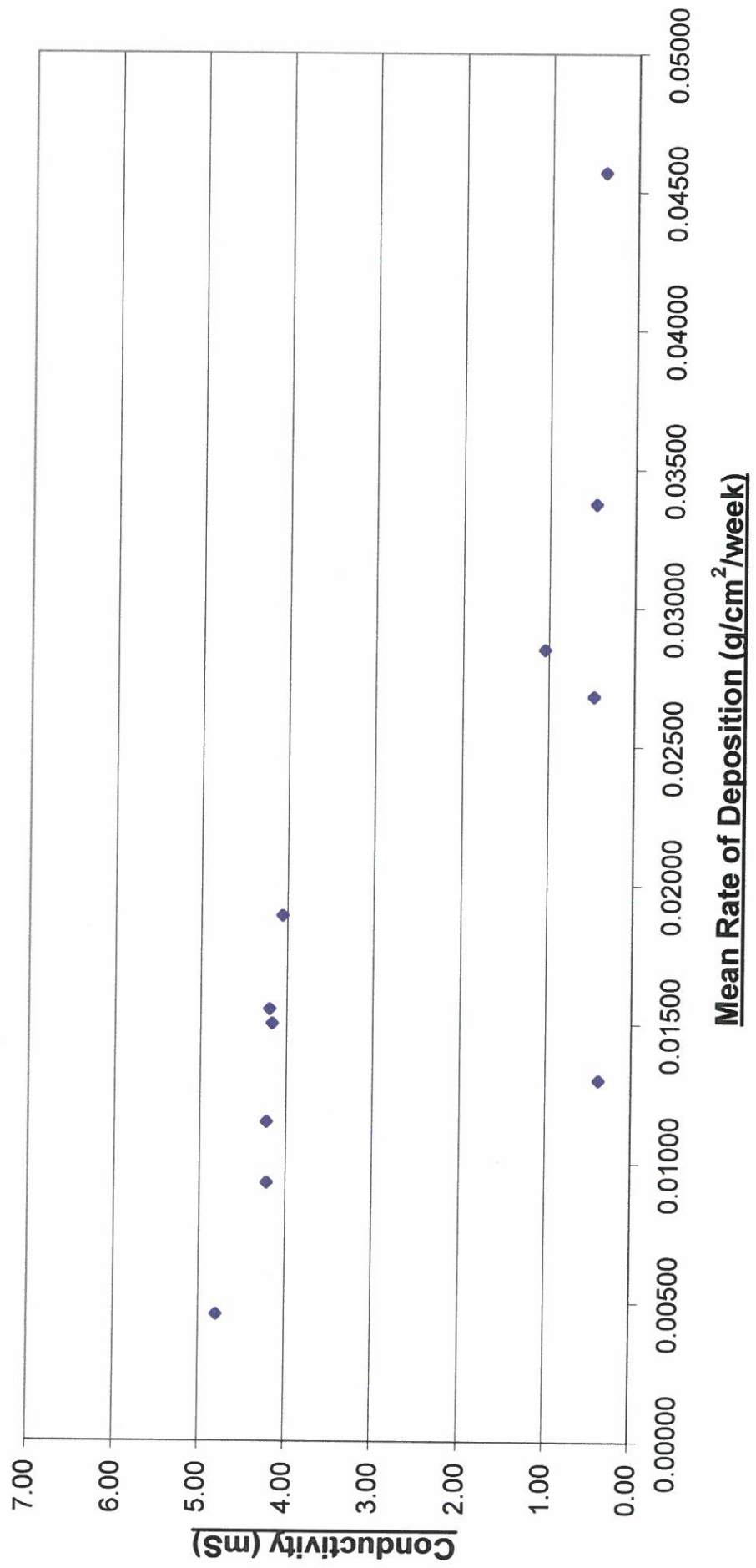




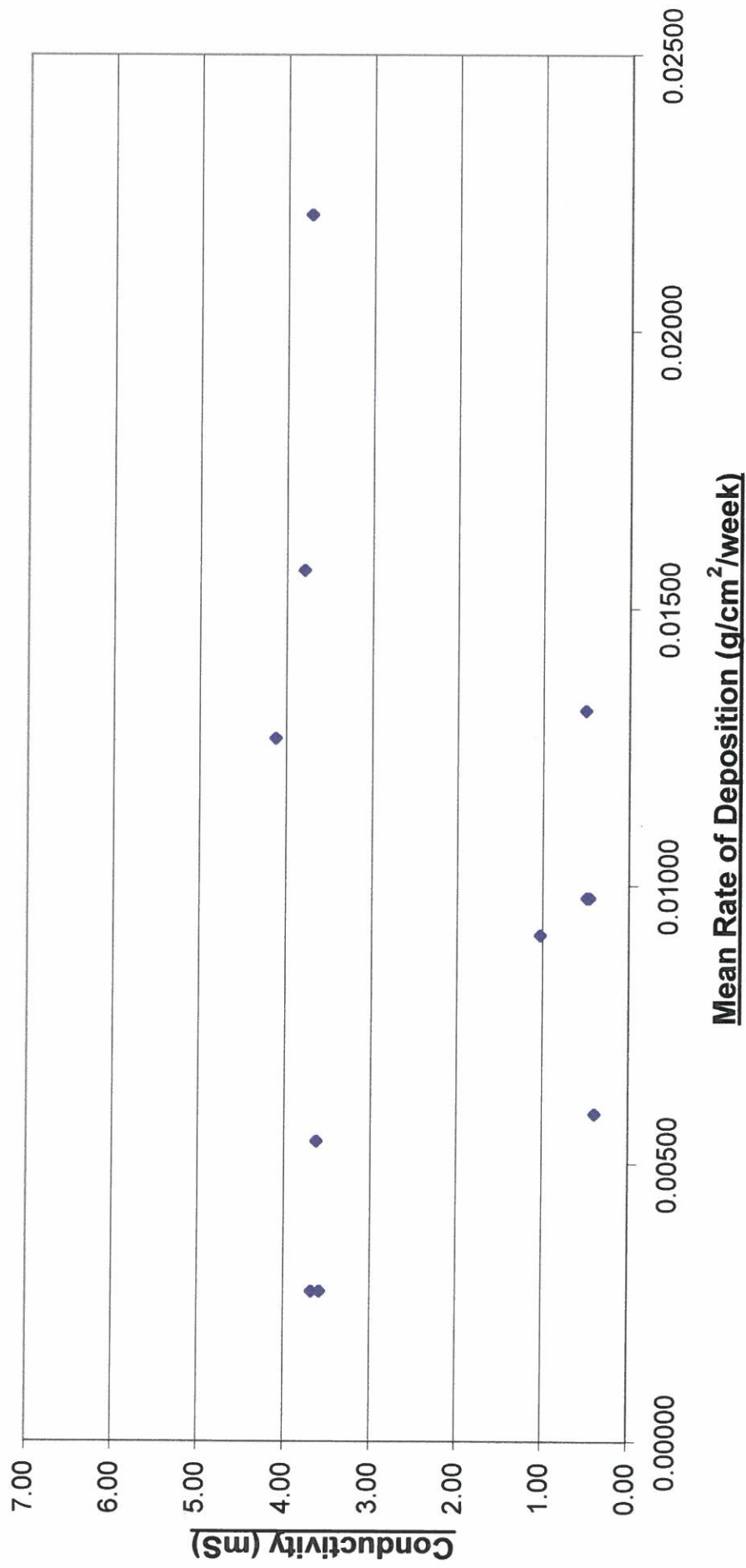
**Appendix 7: Figure C: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Three Over the Period (18/08/98-27/10/98)**



**Appendix 7: Figure D: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Four Over the Period (18/08/98-27/10/98)**

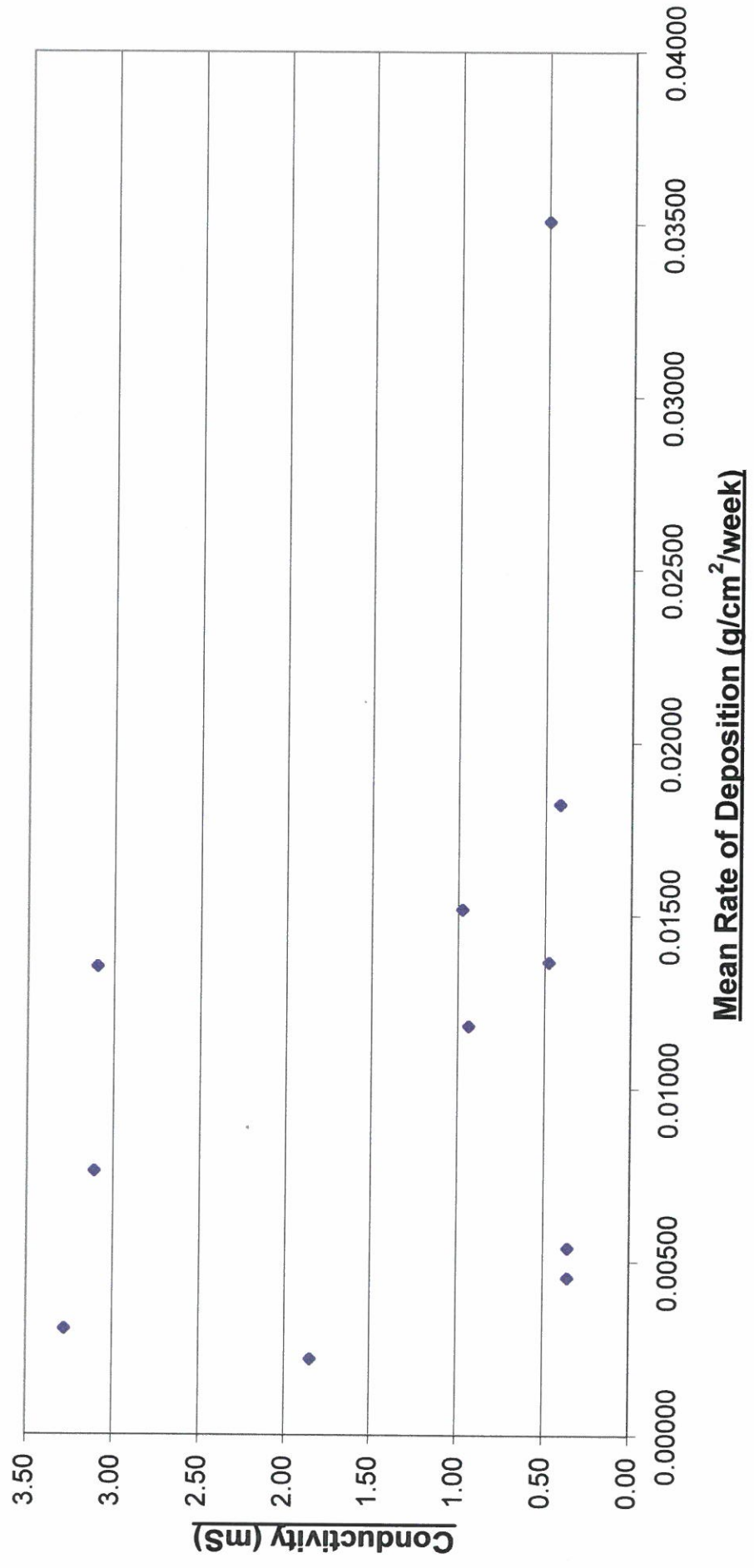


**Appendix 7: Figure E: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Five Over the Period (18/08/98-27/10/98)**

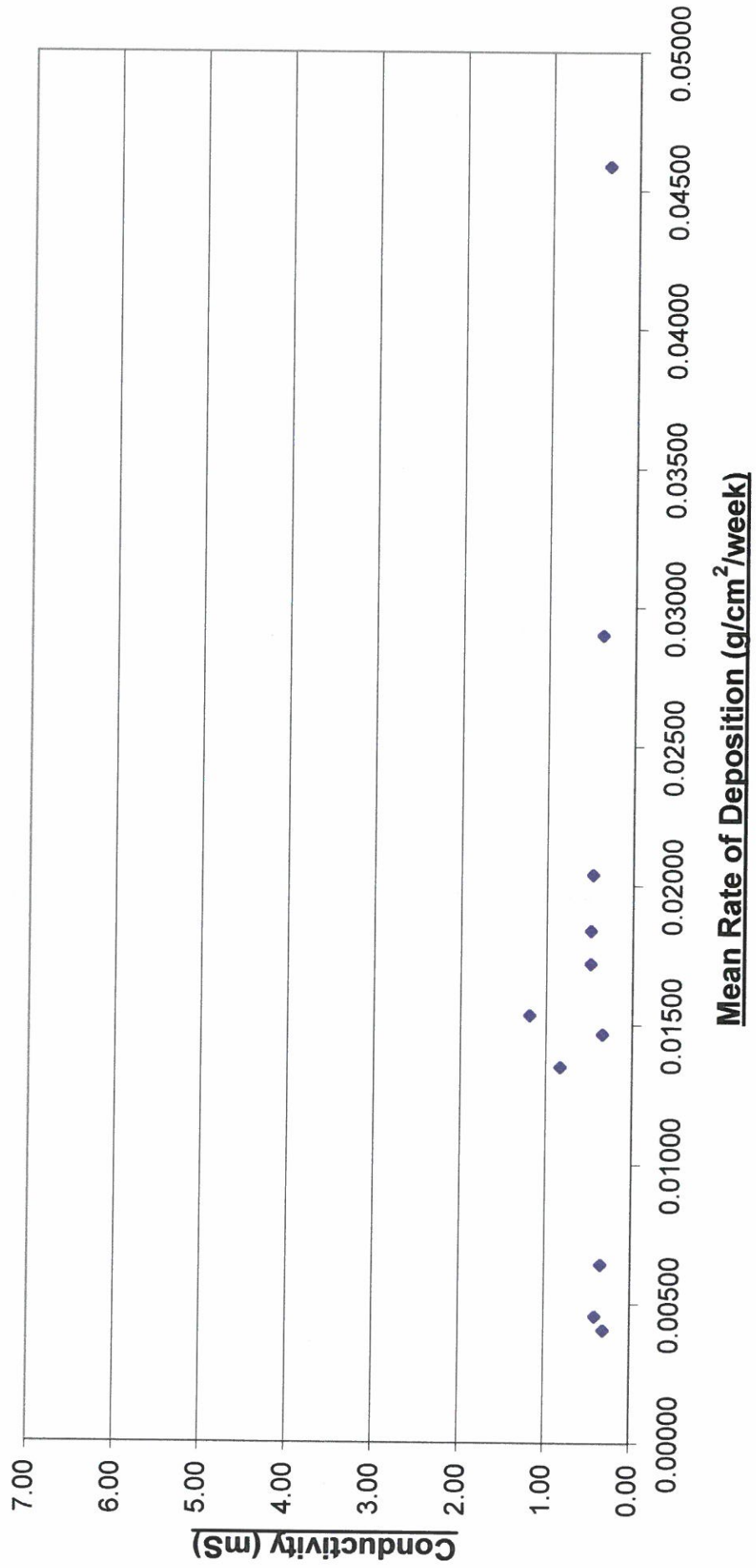




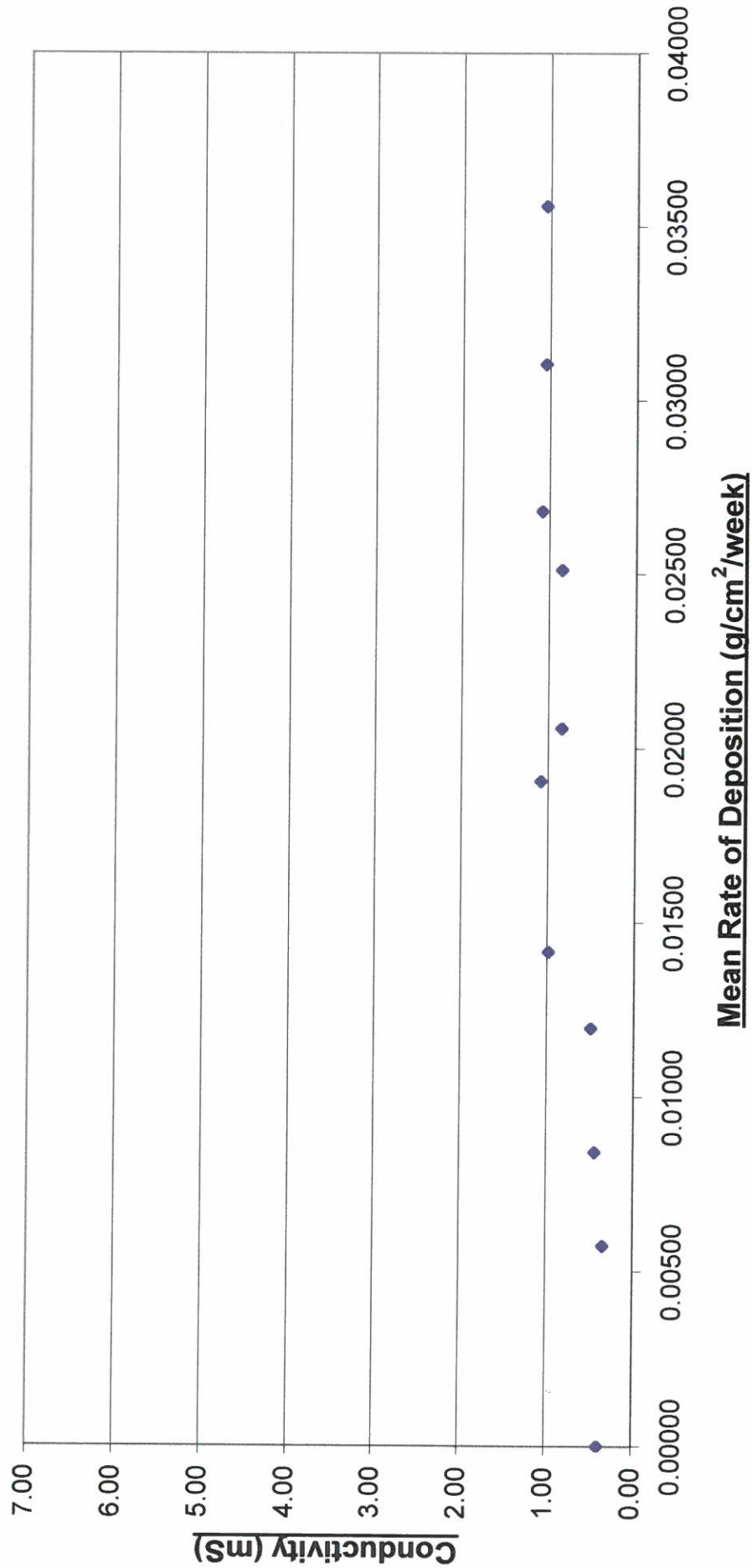
**Appendix 7: Figure F: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Six Over the Period (18/08/98-27/10/98)**



**Appendix 7: Figure G: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Seven Over the Period (18/08/98-27/10/98)**

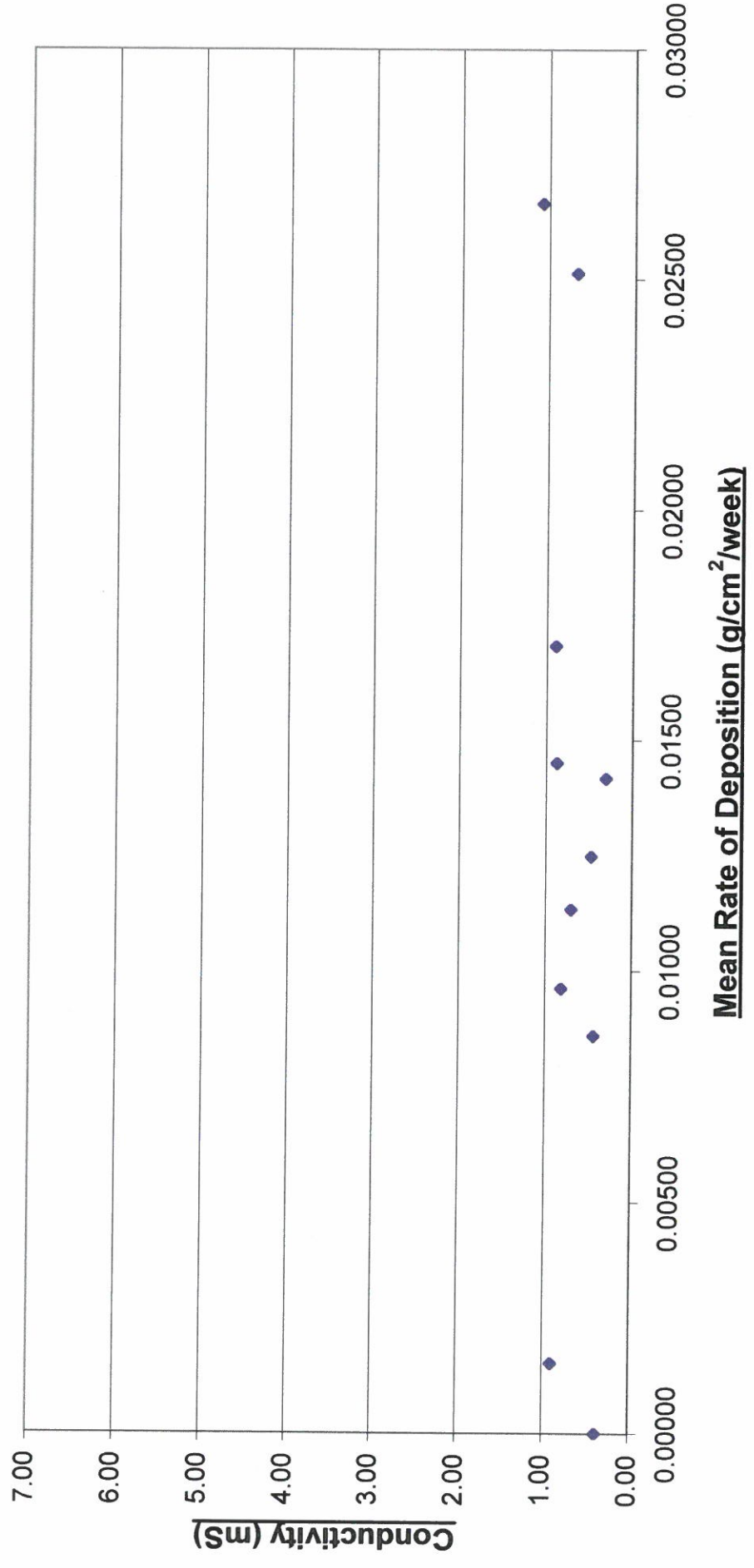


**Appendix 7: Figure H: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Eight Over the Period (18/08/98-27/10/98)**

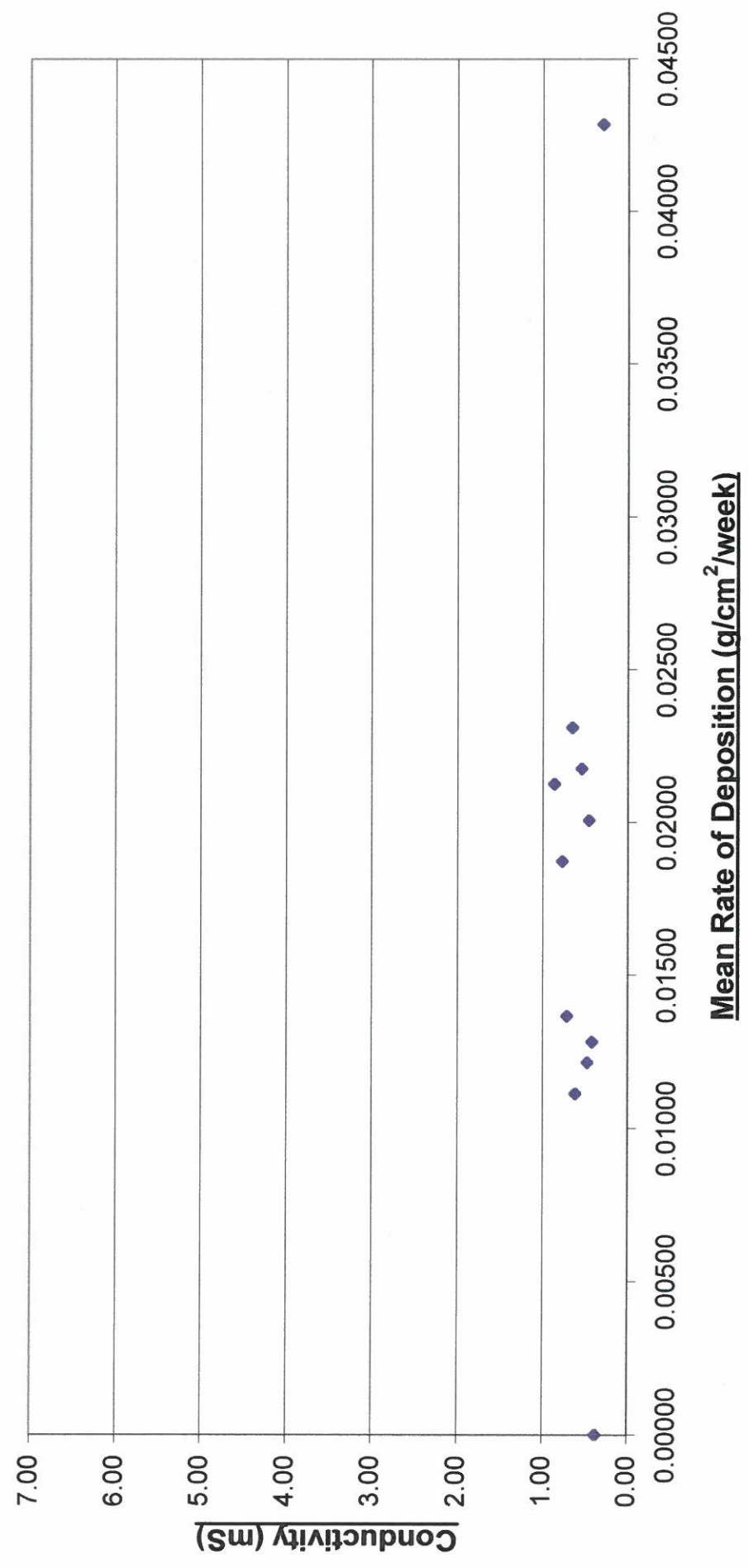




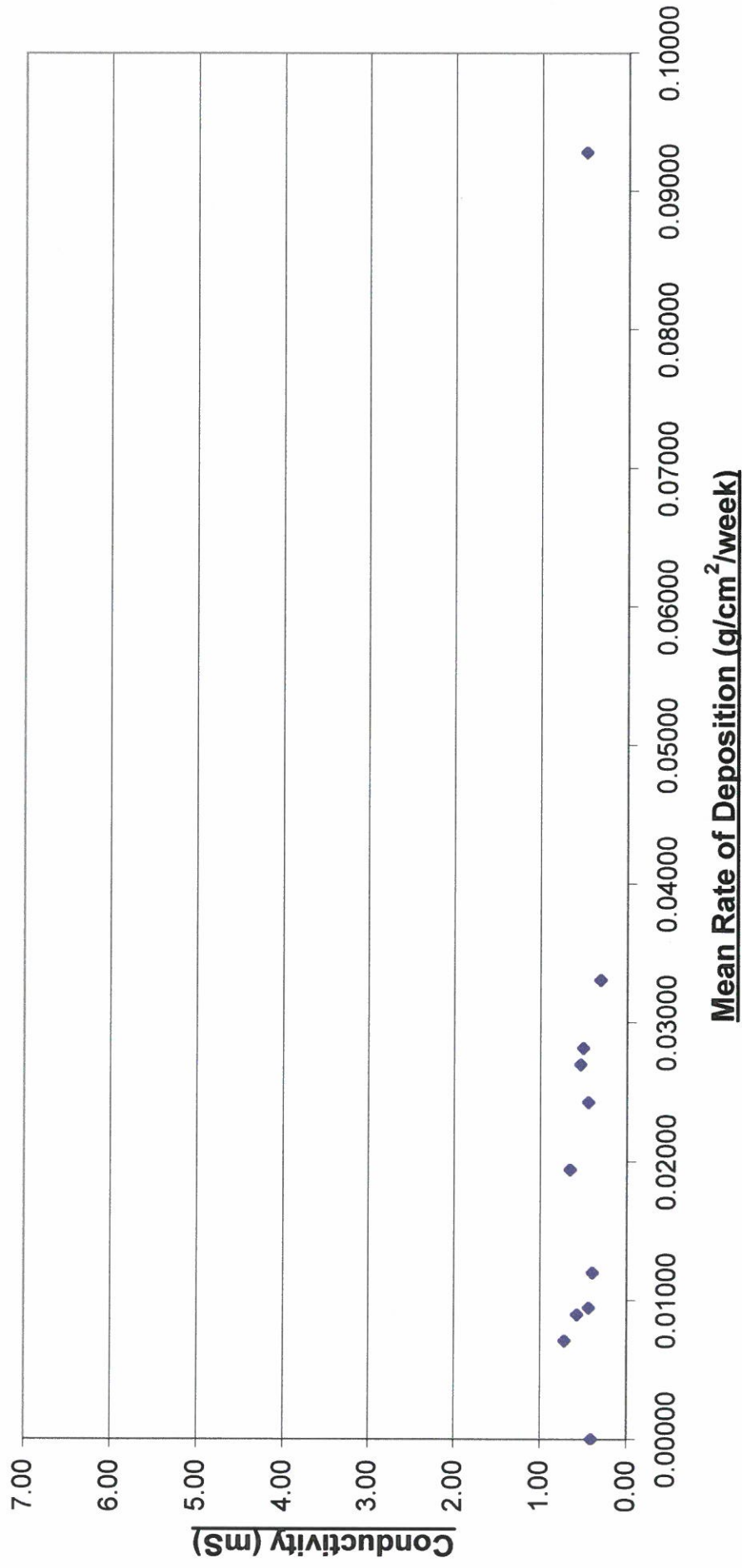
**Appendix 7: Figure I: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Nine Over the Period (18/08/98-27/10/98)**



**Appendix 7: Figure J: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Ten Over the Period (18/08/98-27/10/98)**

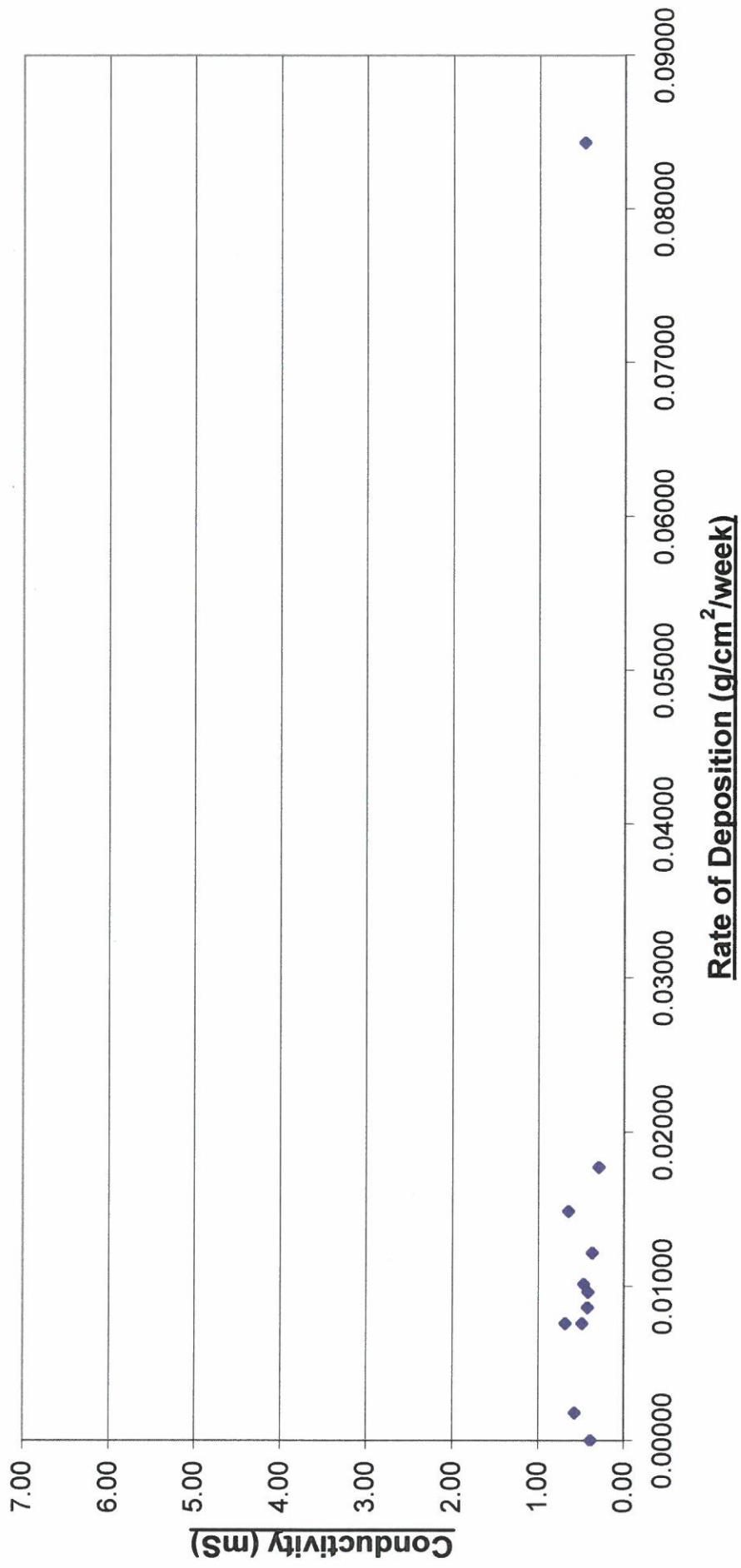


**Appendix 7: Figure K: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Eleven Over the Period (18/08/98-27/10/98)**

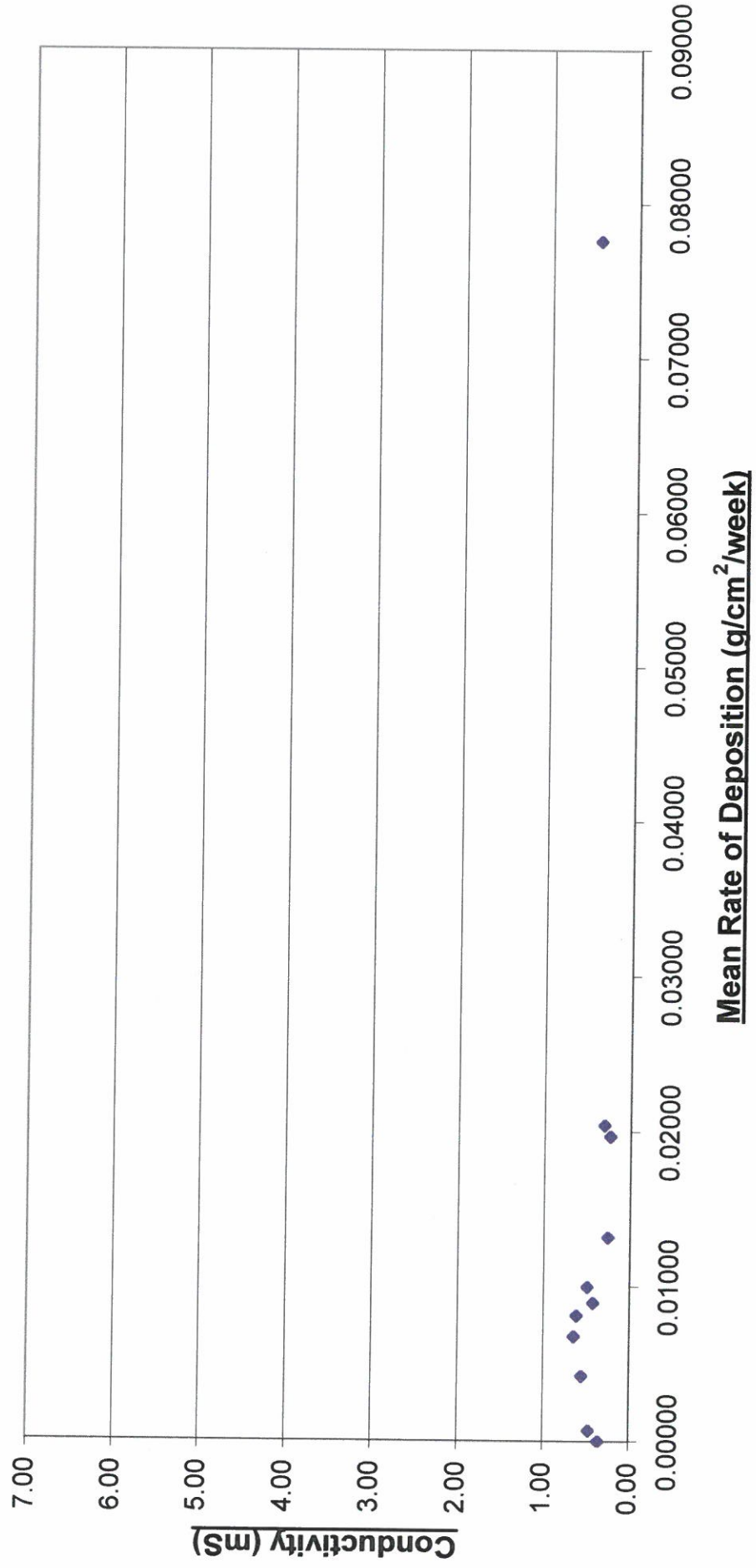




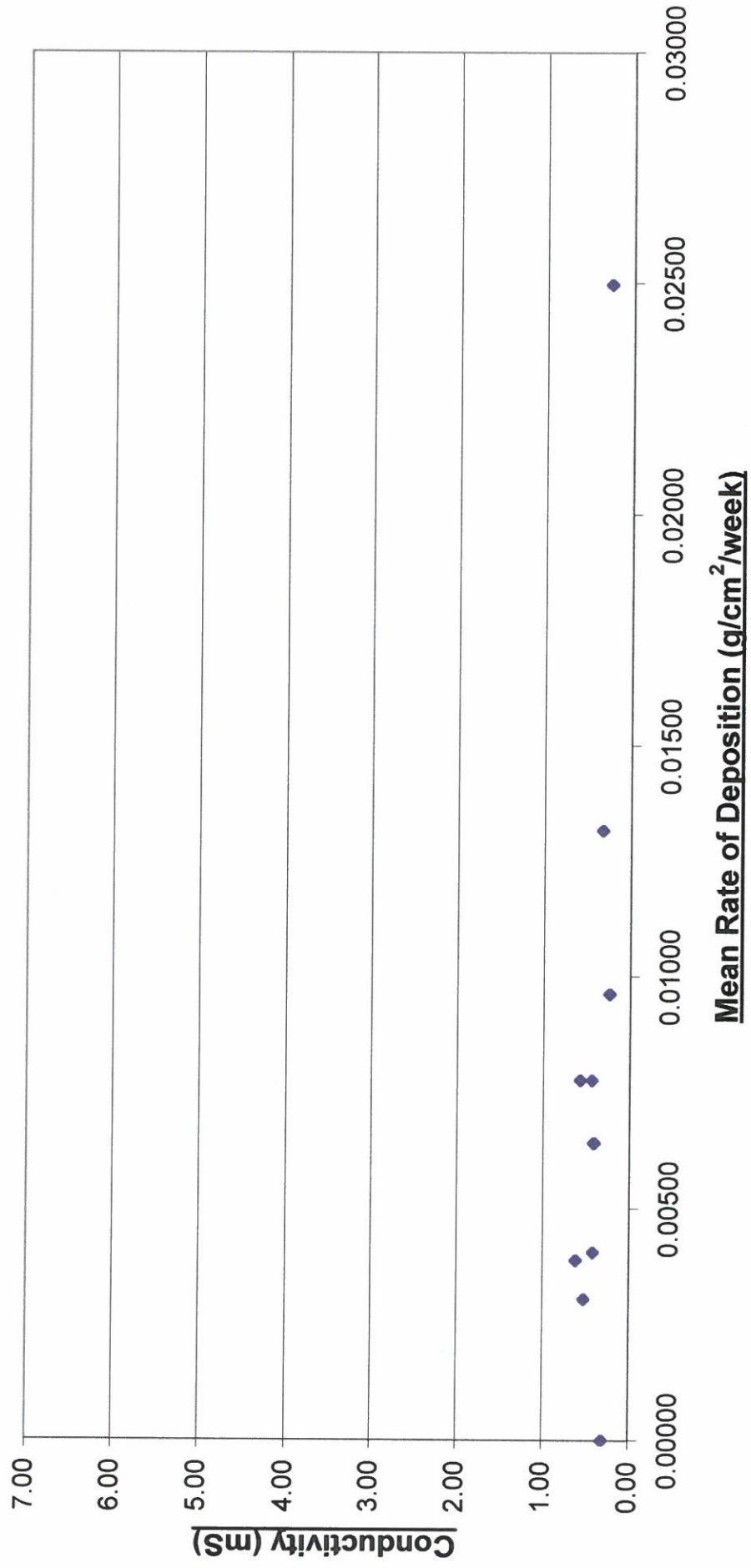
**Appendix 7: Figure L: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Twelve Over the Period (18/08/98-27/10/98)**



**Appendix 7: Figure M: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Thirteen Over the Period (18/08/98-27/10/98)**

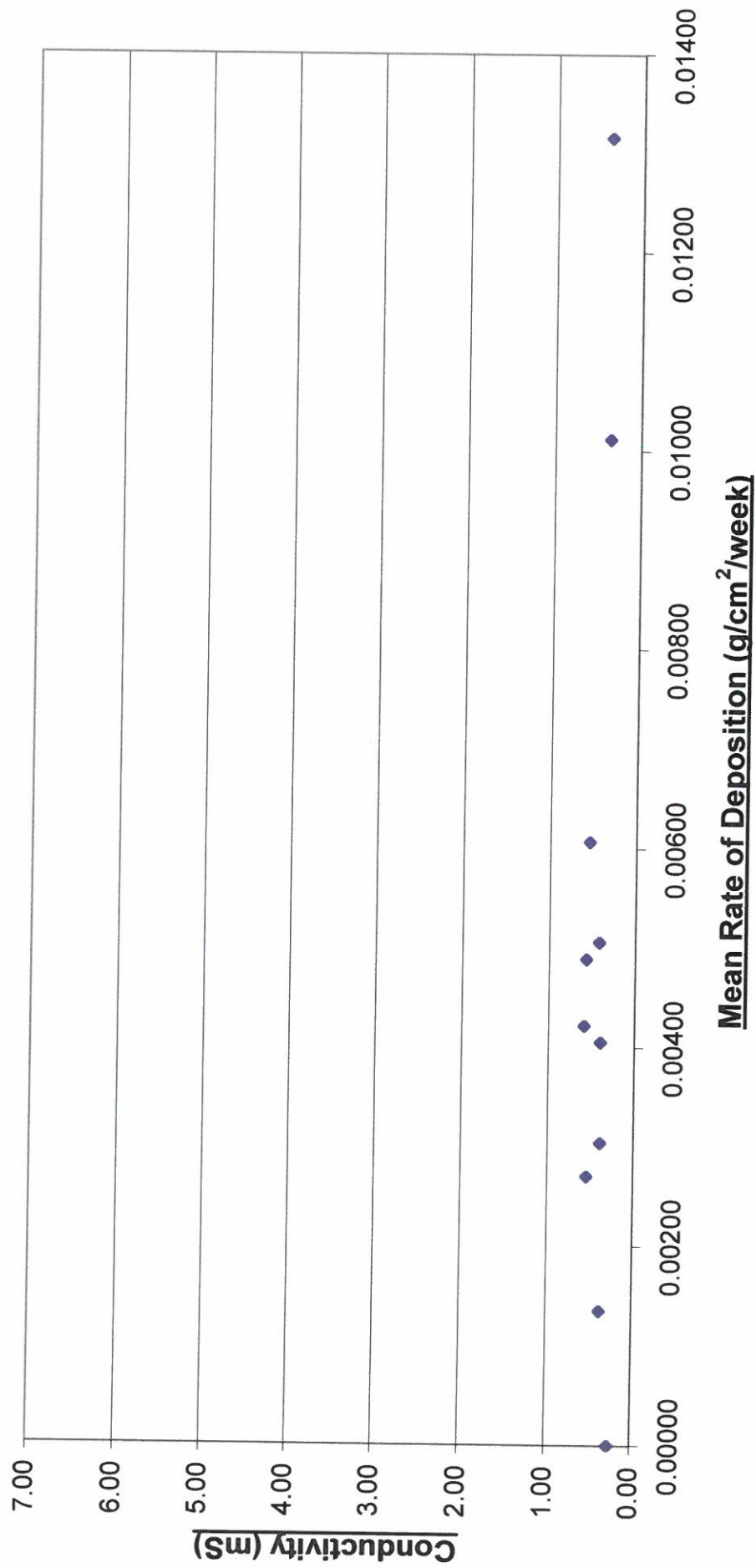


**Appendix 7: Figure N: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Fourteen Over the Period (18/08/98-27/10/98)**

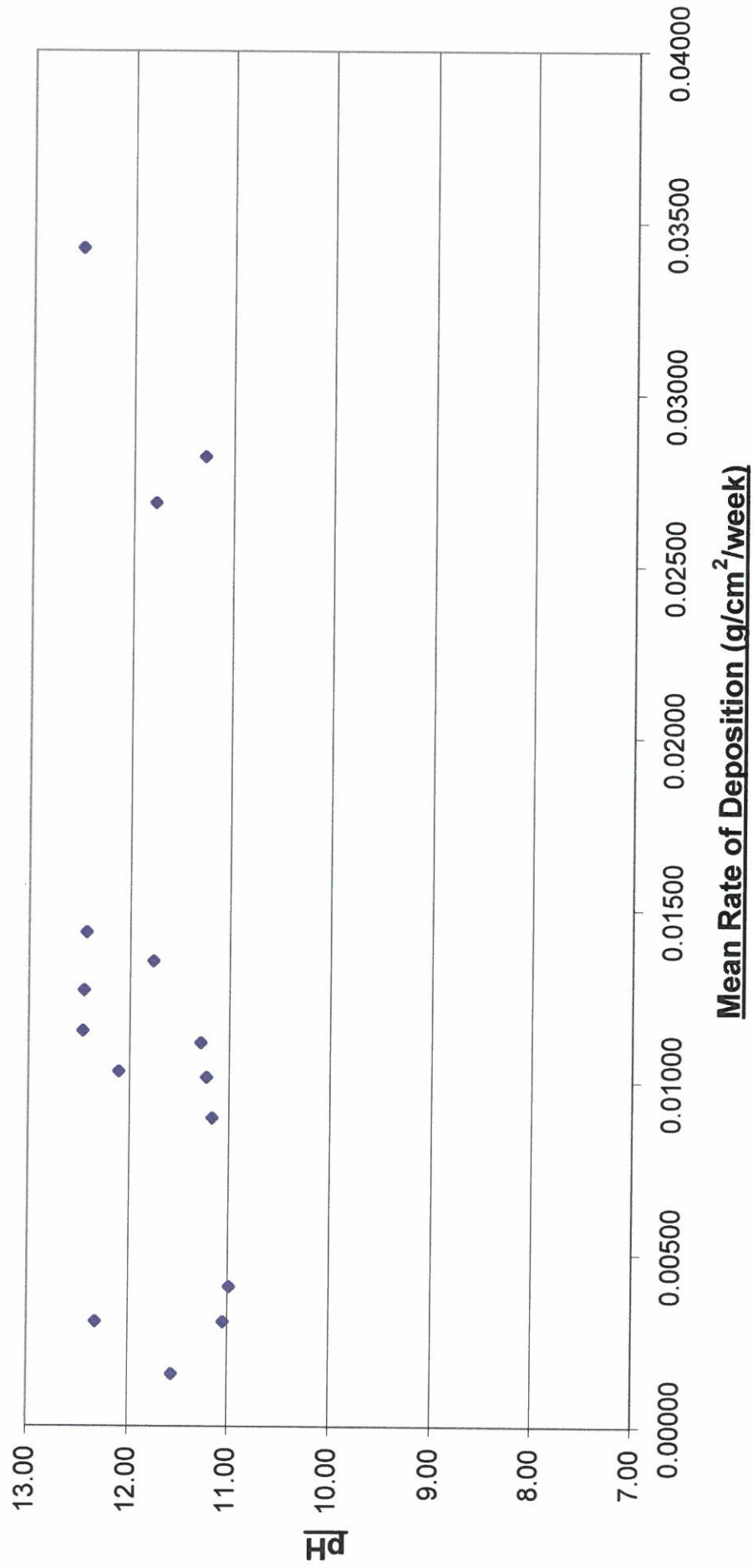




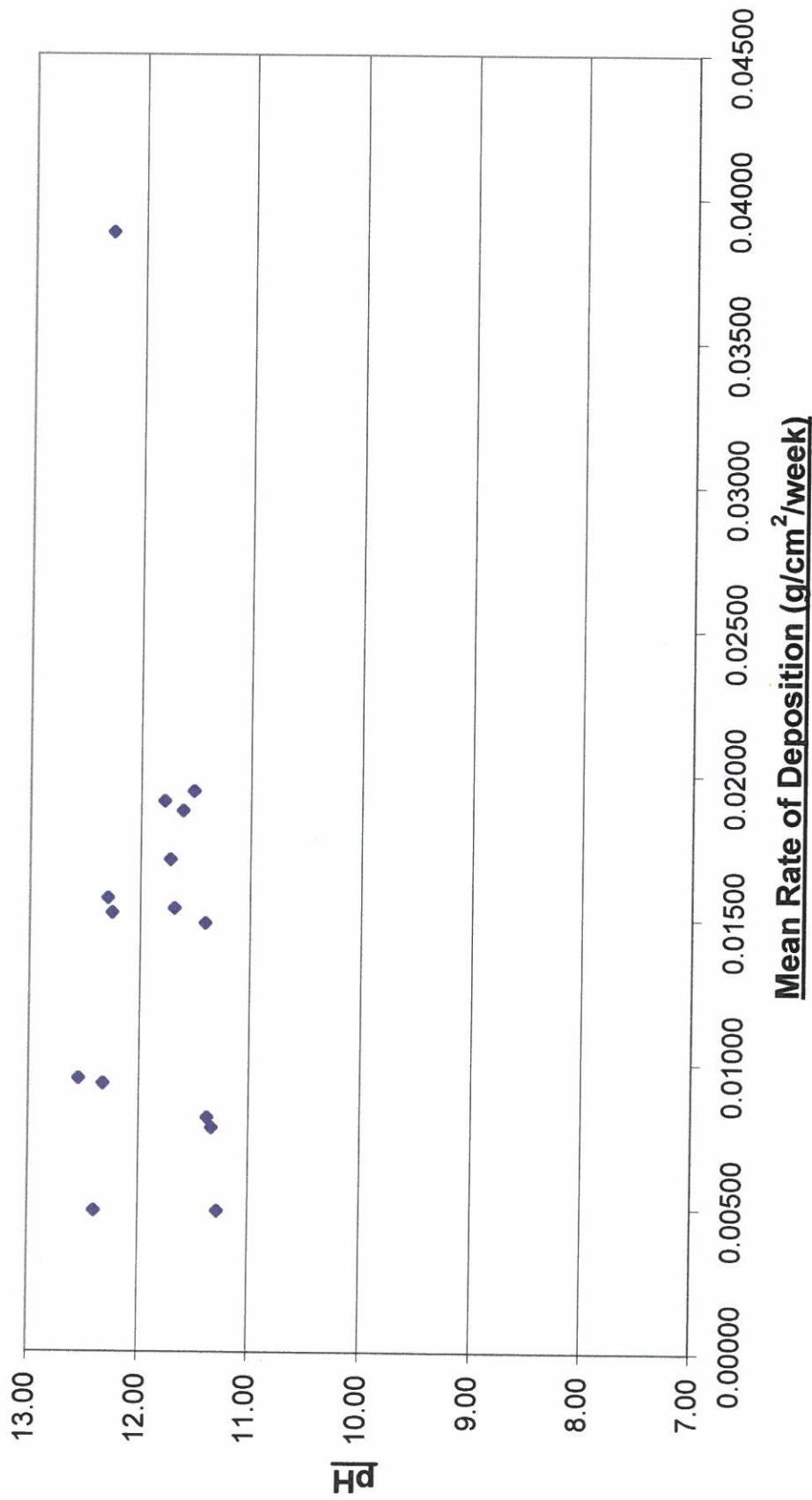
**Appendix 7: Figure O: A Scatter Graph of Conductivity Against the Rate of Deposition at Site Fifteen Over the Period (18/08/98-27/10/98)**



**Appendix 8: Figure A: A Scatter Graph of pH Against the Rate of Deposition (18/08/98).**

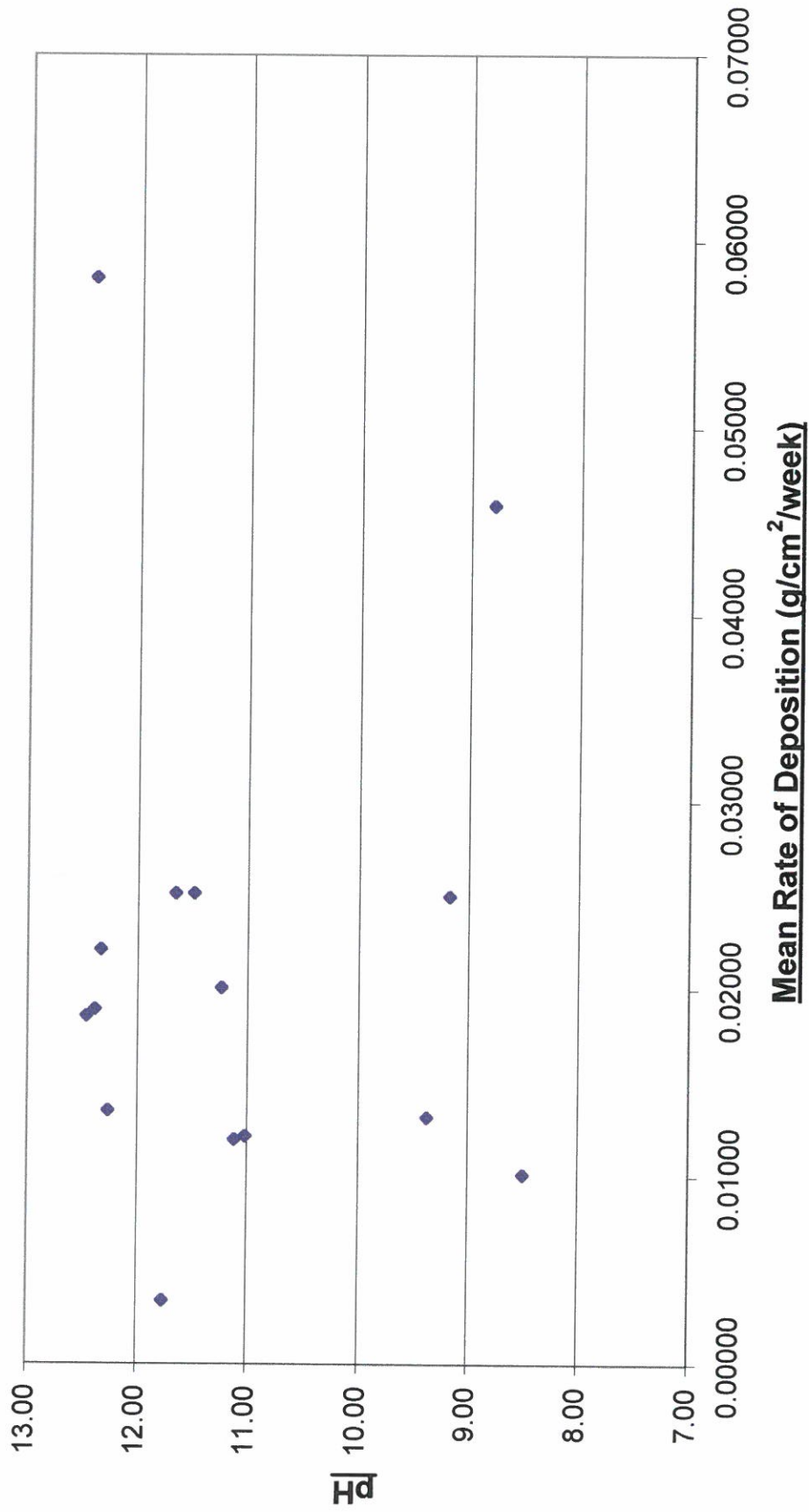


**Appendix 8: Figure B: A Scatter Graph of pH Against the Rate of Deposition (25/08/98).**

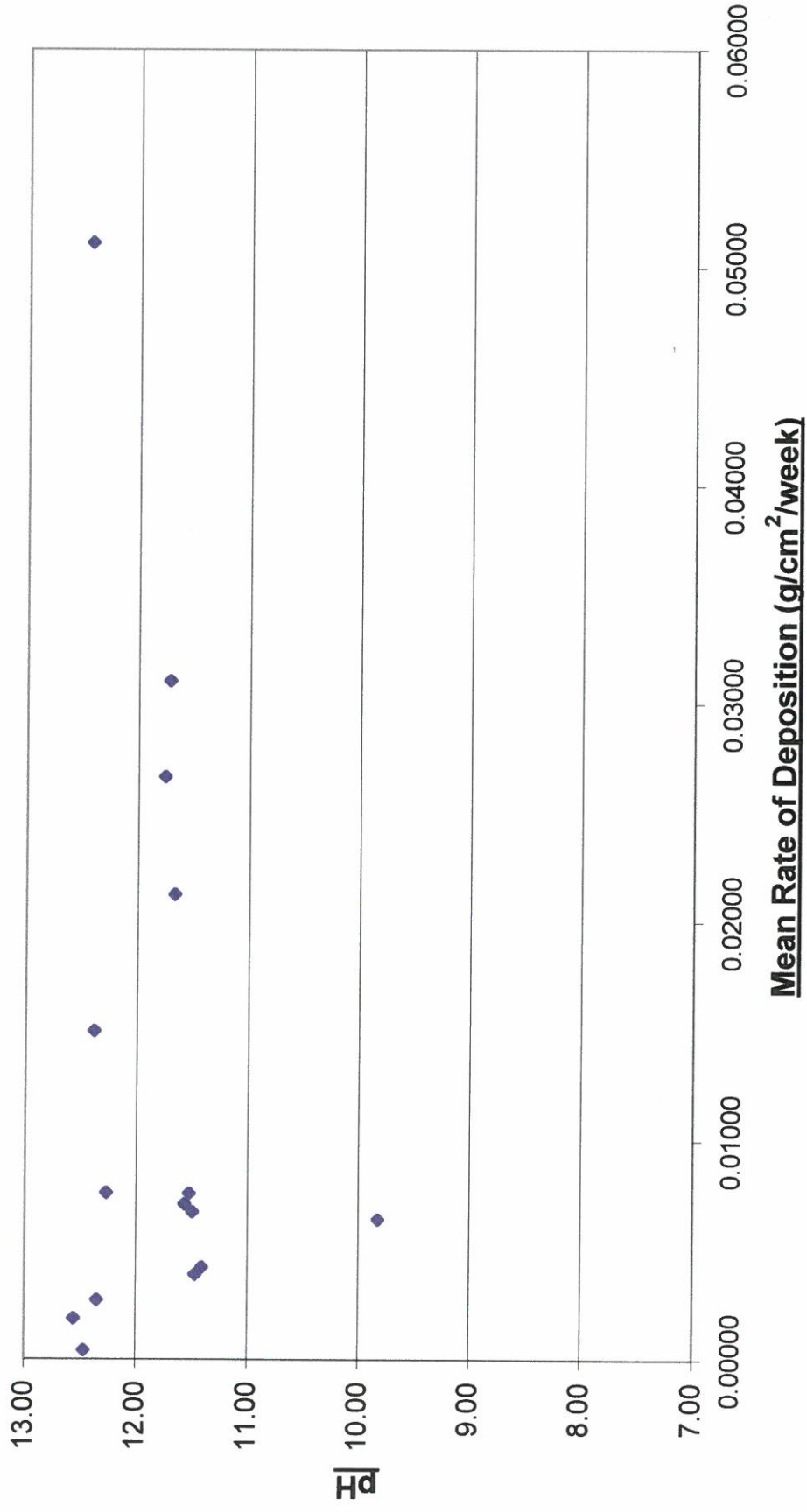




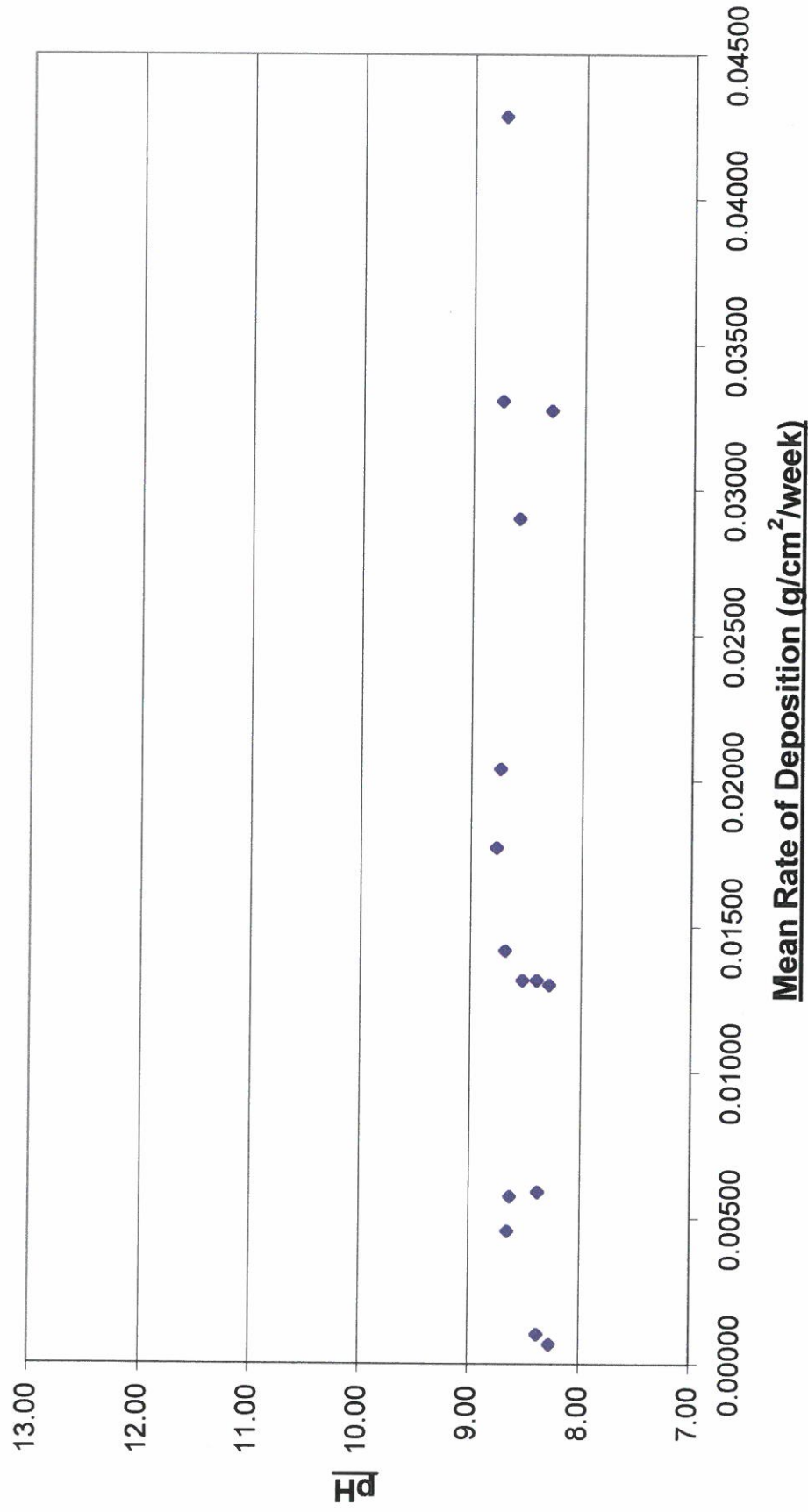
**Appendix 8: Figure C: A Scatter Graph of pH Against the Rate of Deposition (01/09/98).**



**Appendix 8: Figure D: A Scatter Graph of pH Against the Rate of Deposition (08/09/98)**

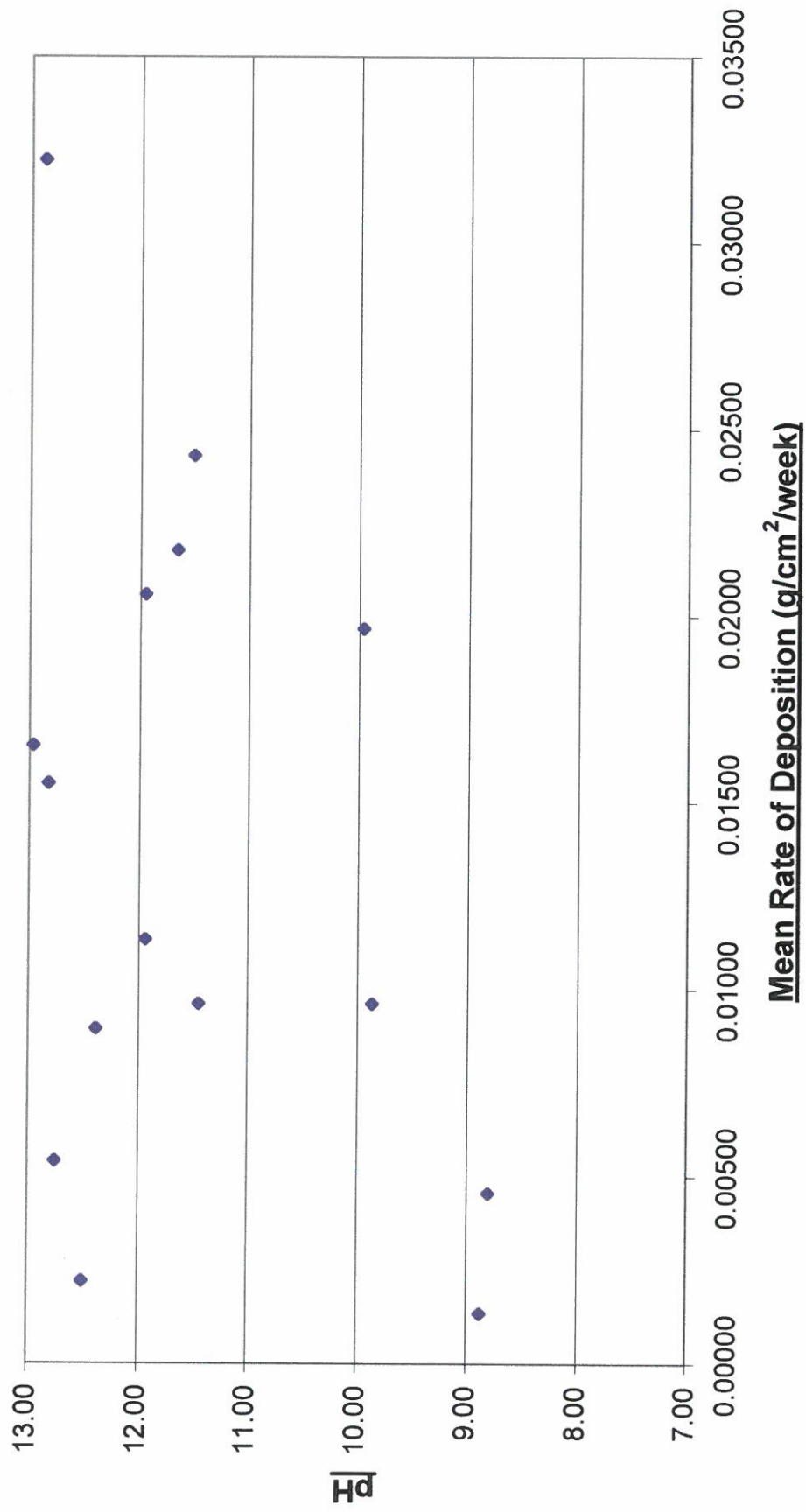


**Appendix 8: Figure E: A Scatter Graph of pH Against the Rate of Deposition (15/09/98)**

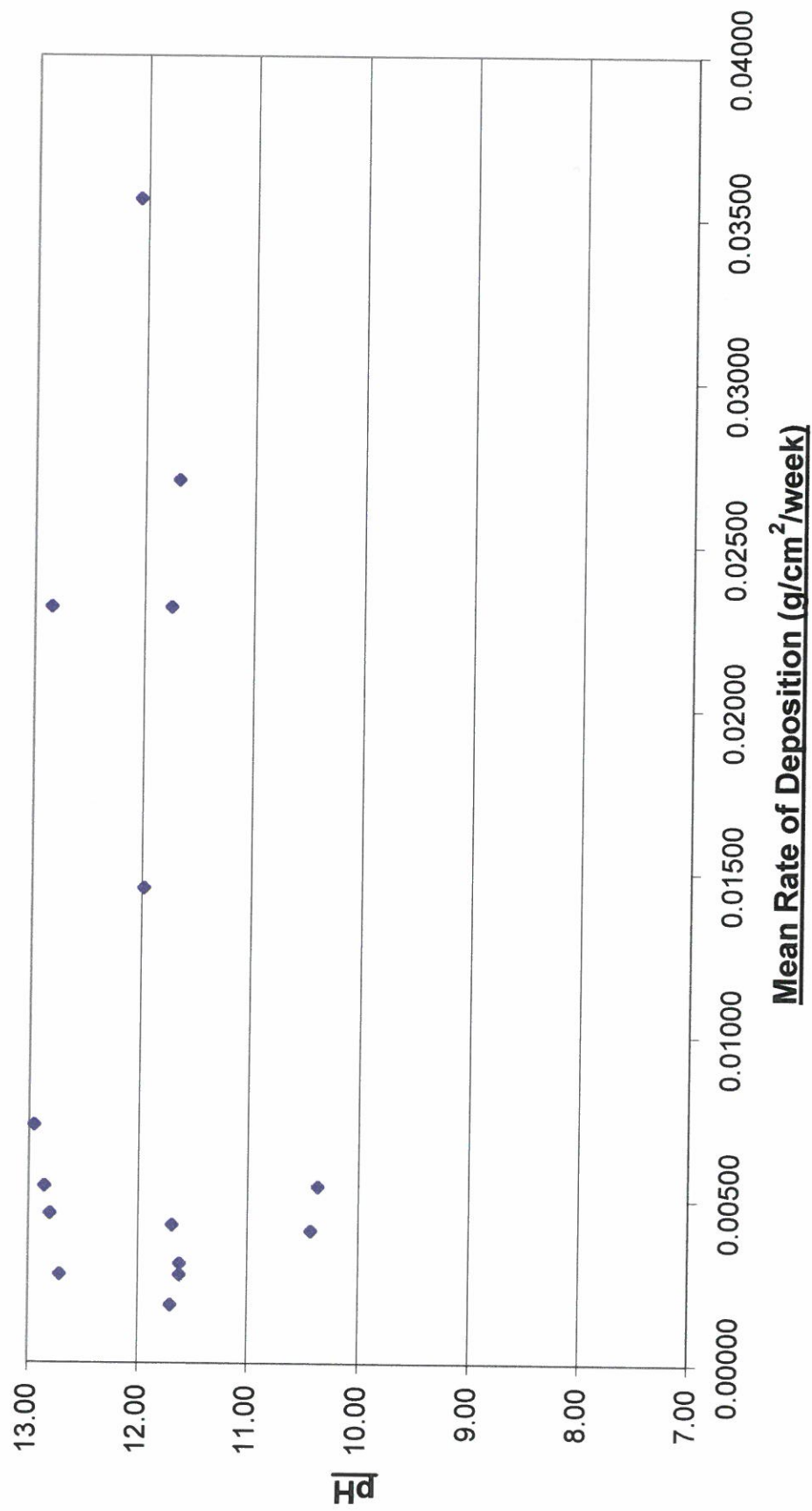




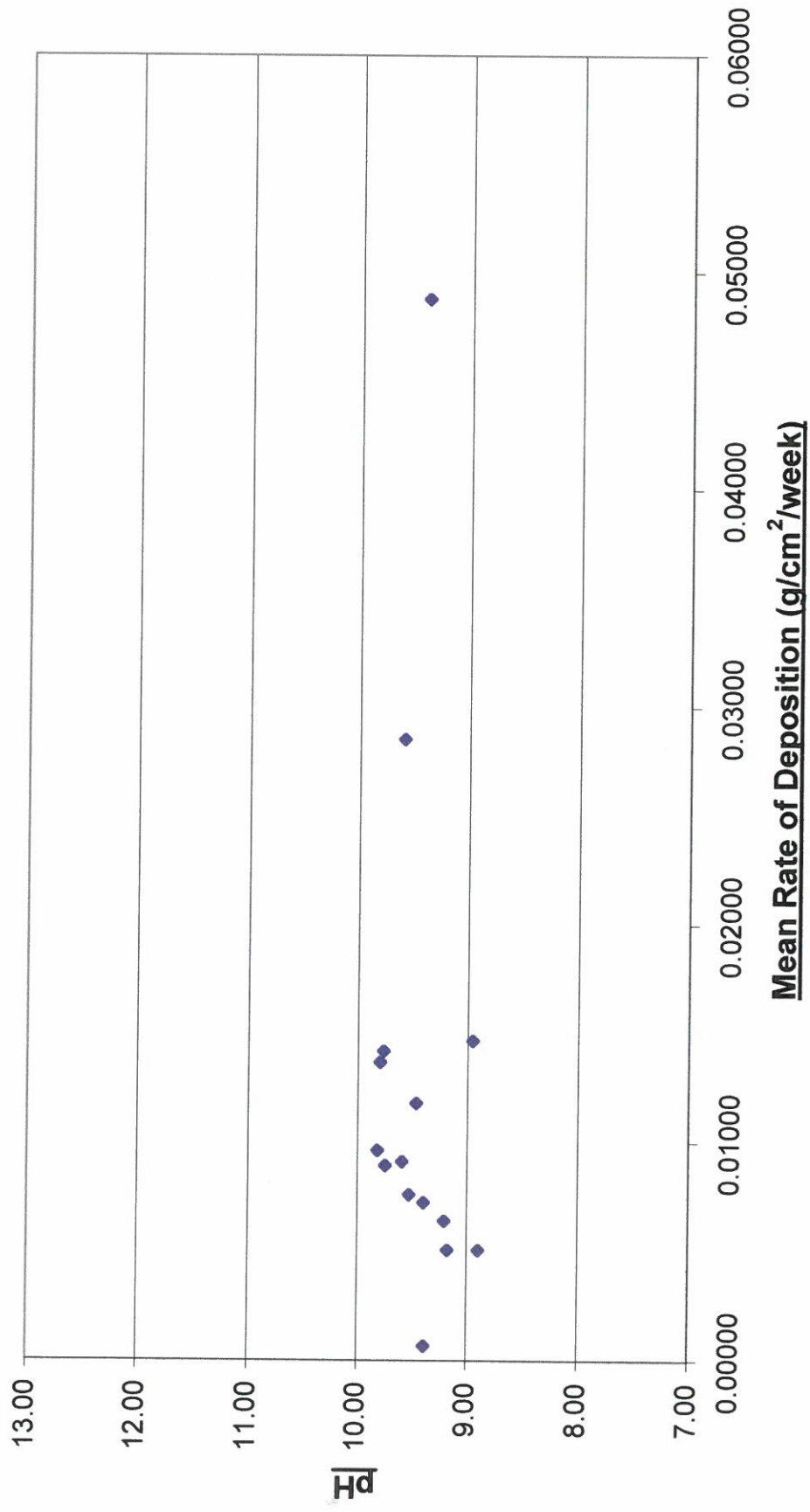
**Appendix 8: Figure F: A Scatter Graph of pH Against the Rate of Deposition (22/09/98).**



**Appendix 8: Figure G: A Scatter Graph of pH Against the Rate of Deposition (29/09/98).**

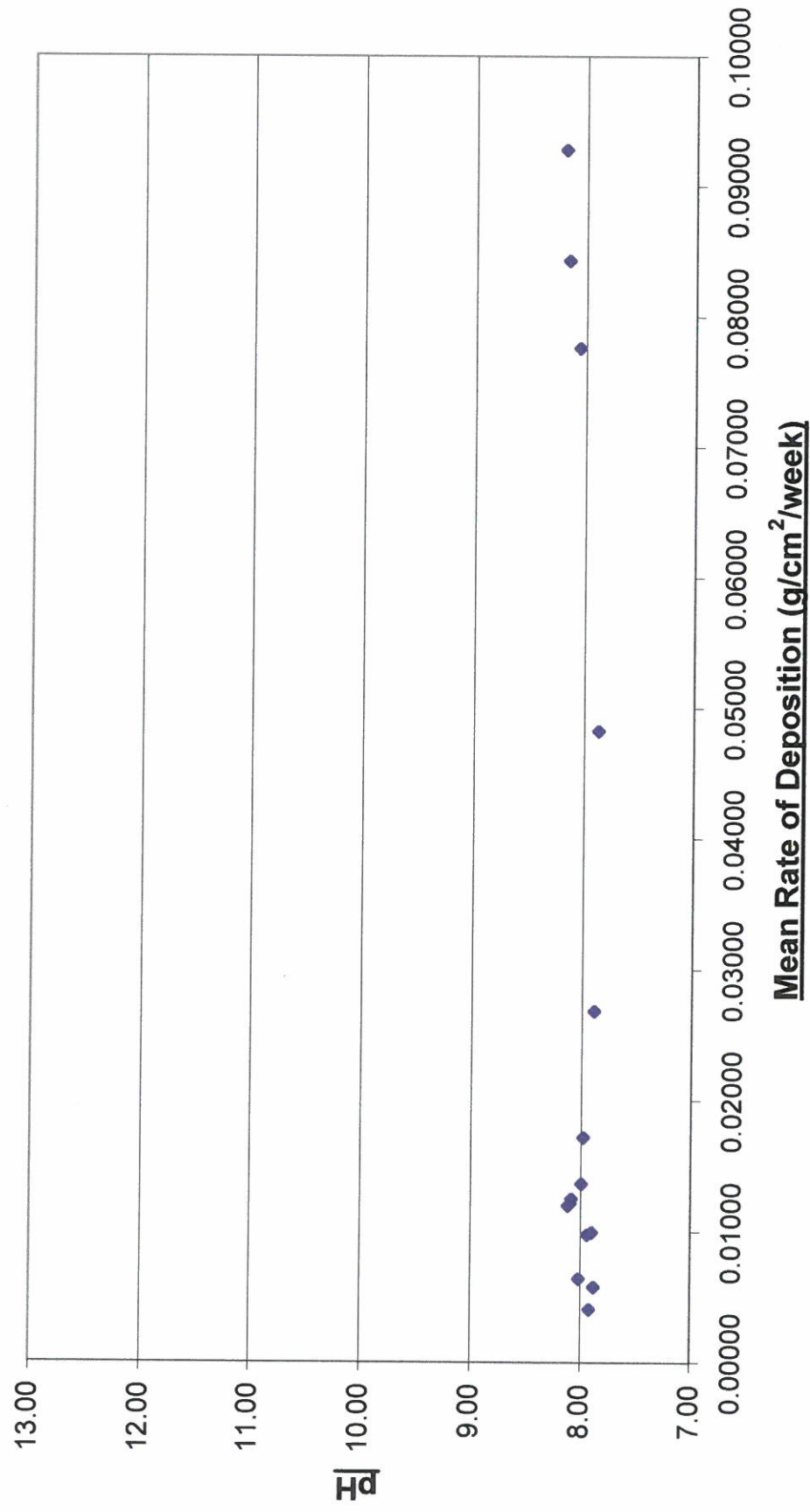


**Appendix 8: Figure H: A Scatter Graph of pH Against the Rate of Deposition (06/10/98).**

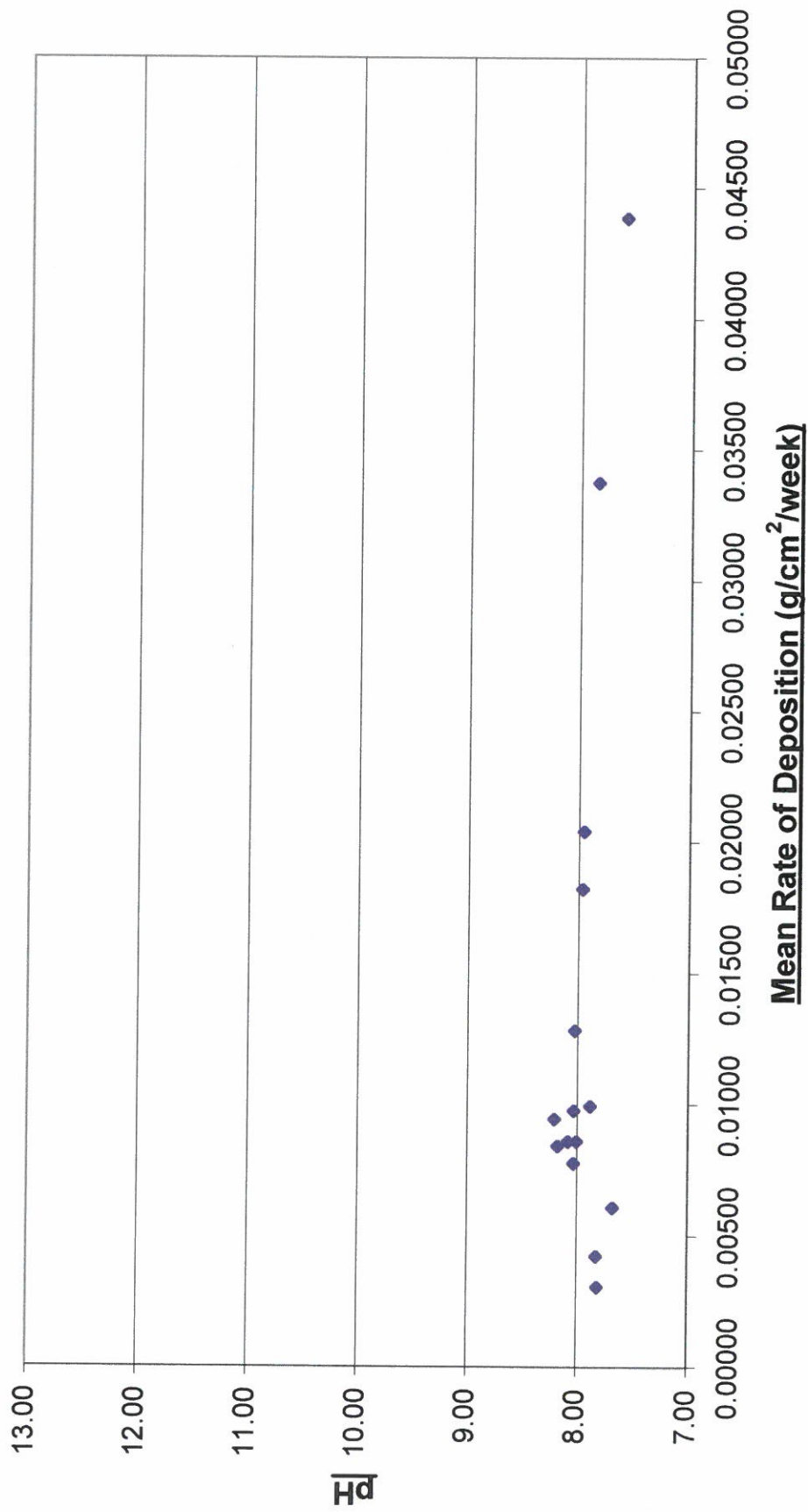




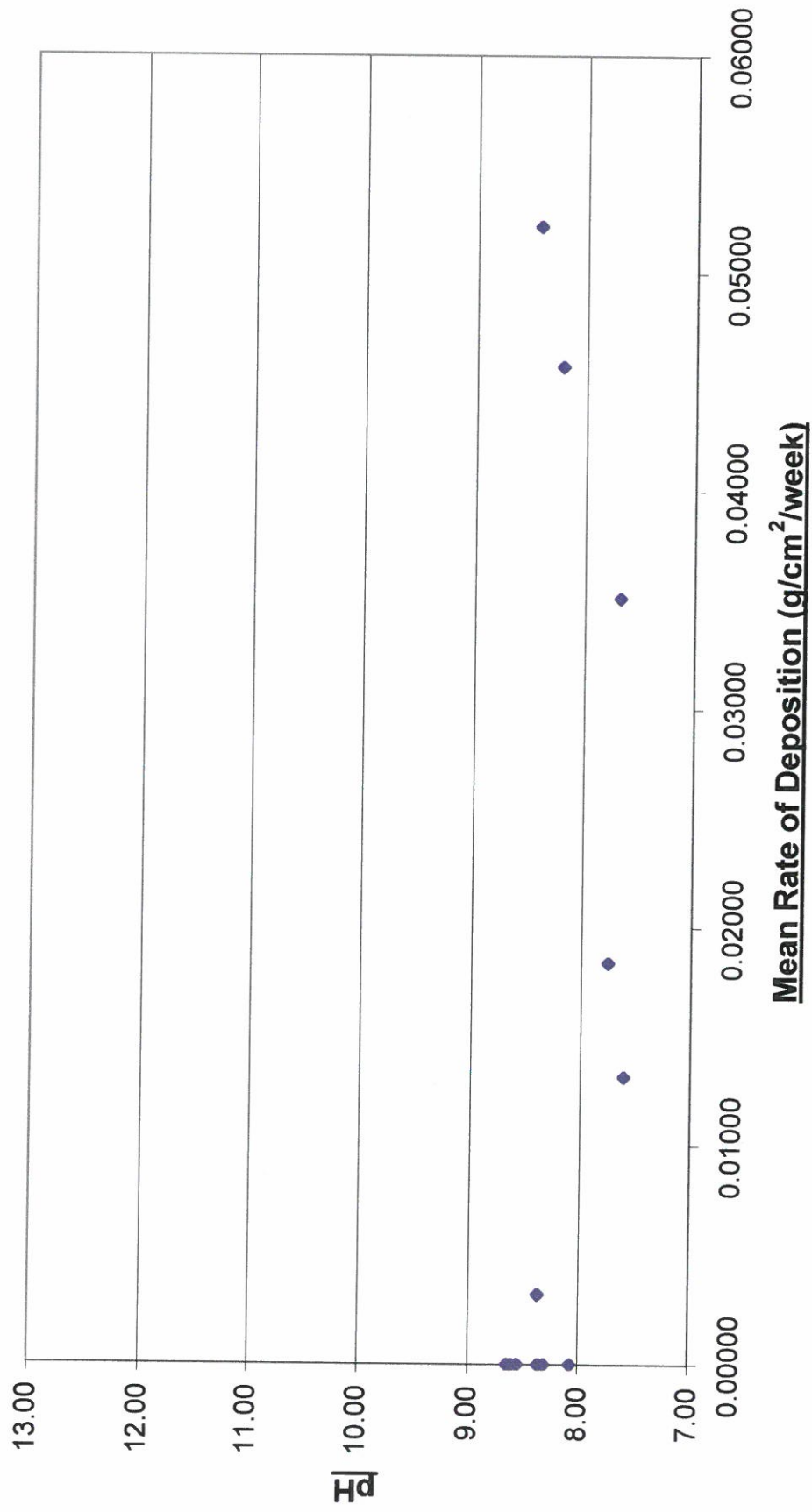
**Appendix 8: Figure I: A Scatter Graph of pH Against the Rate of Deposition (13/10/98).**



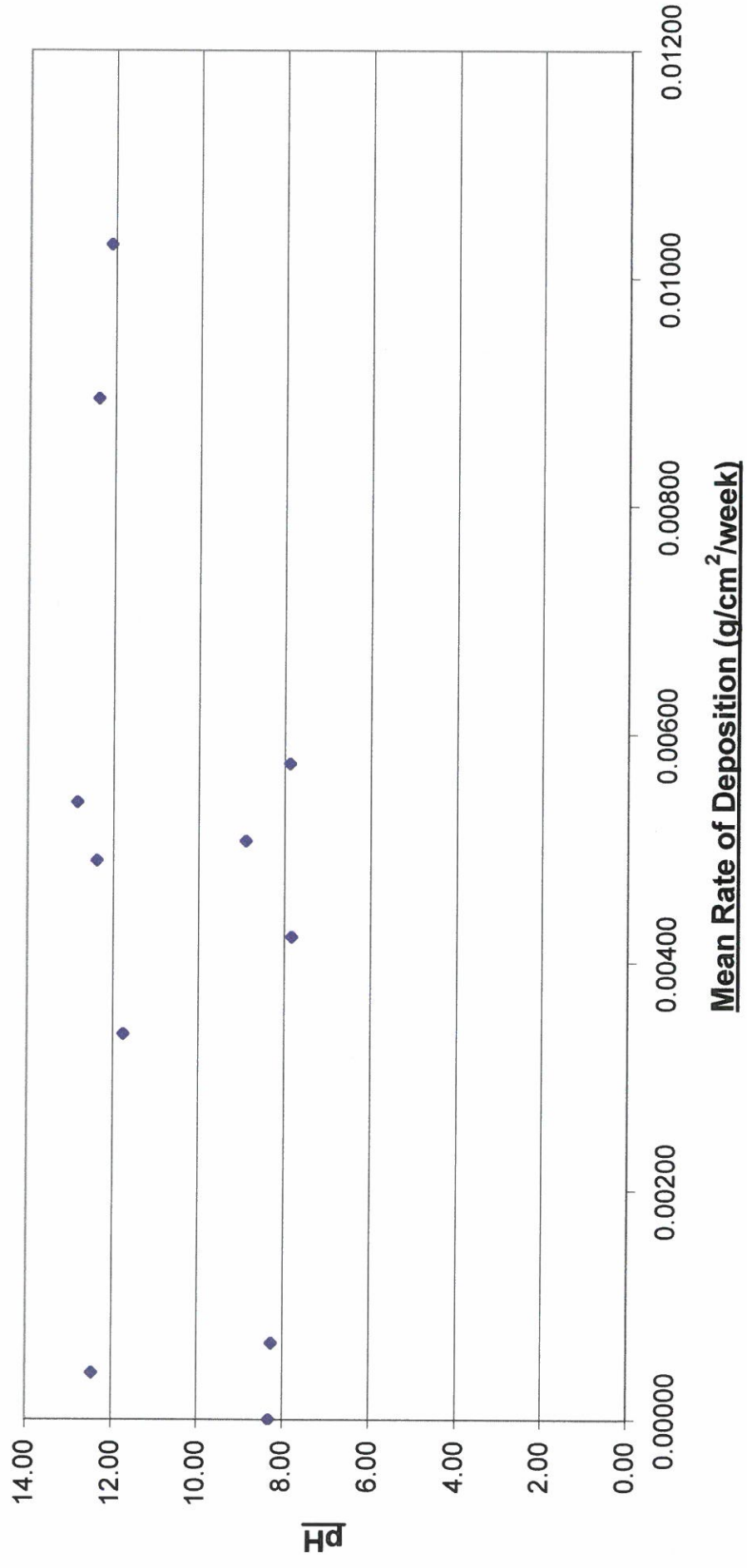
**Appendix 8: Figure J: A Scatter Graph of pH Against the Rate of Deposition (20/10/98).**



**Appendix 8: Figure K: A Scatter Graph of pH Against the Rate of Deposition (27/10/98).**

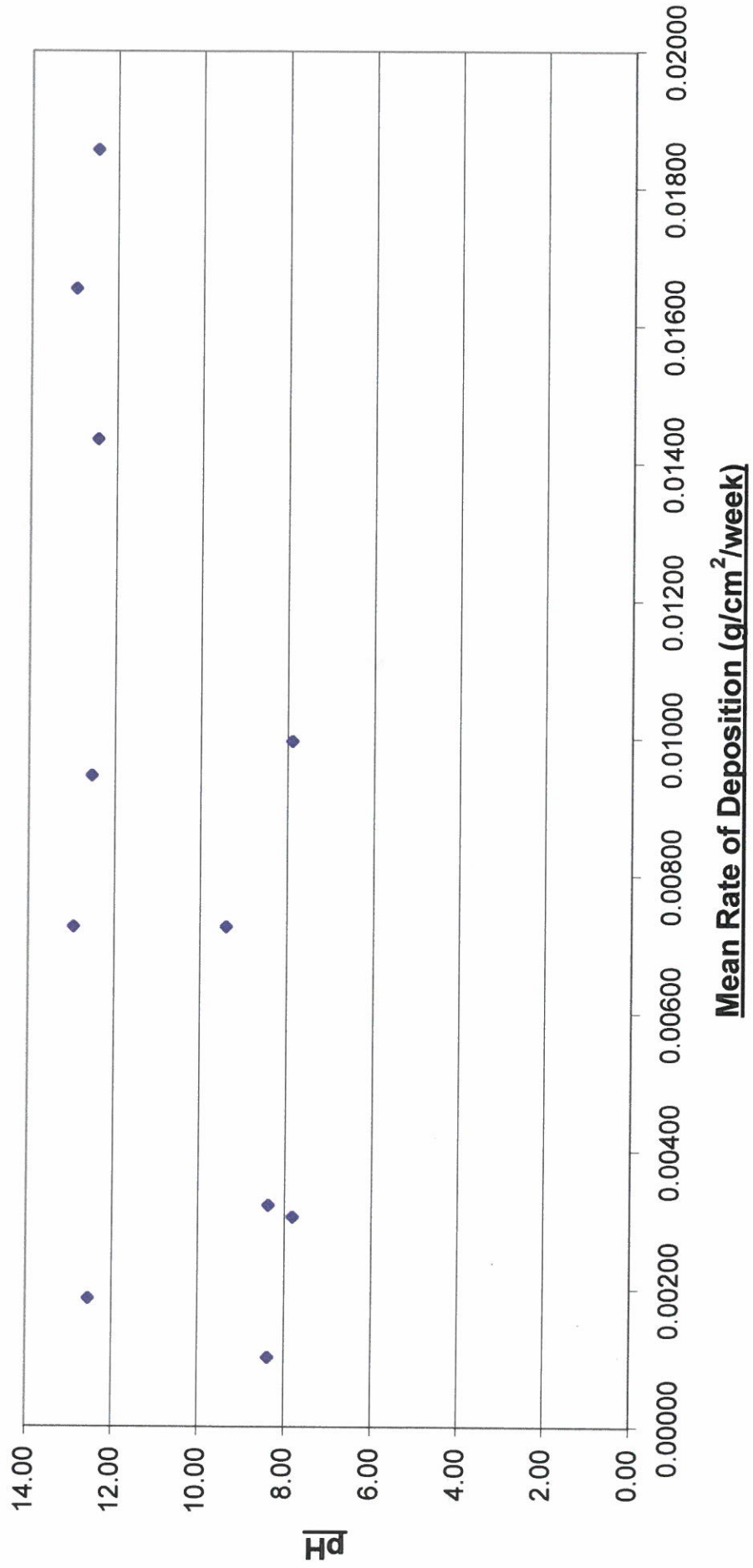


**Appendix 9: Figure A: A Scatter Graph of pH Against the Rate of Deposition at Site One Over the Period (18/08/98-27/10/98).**

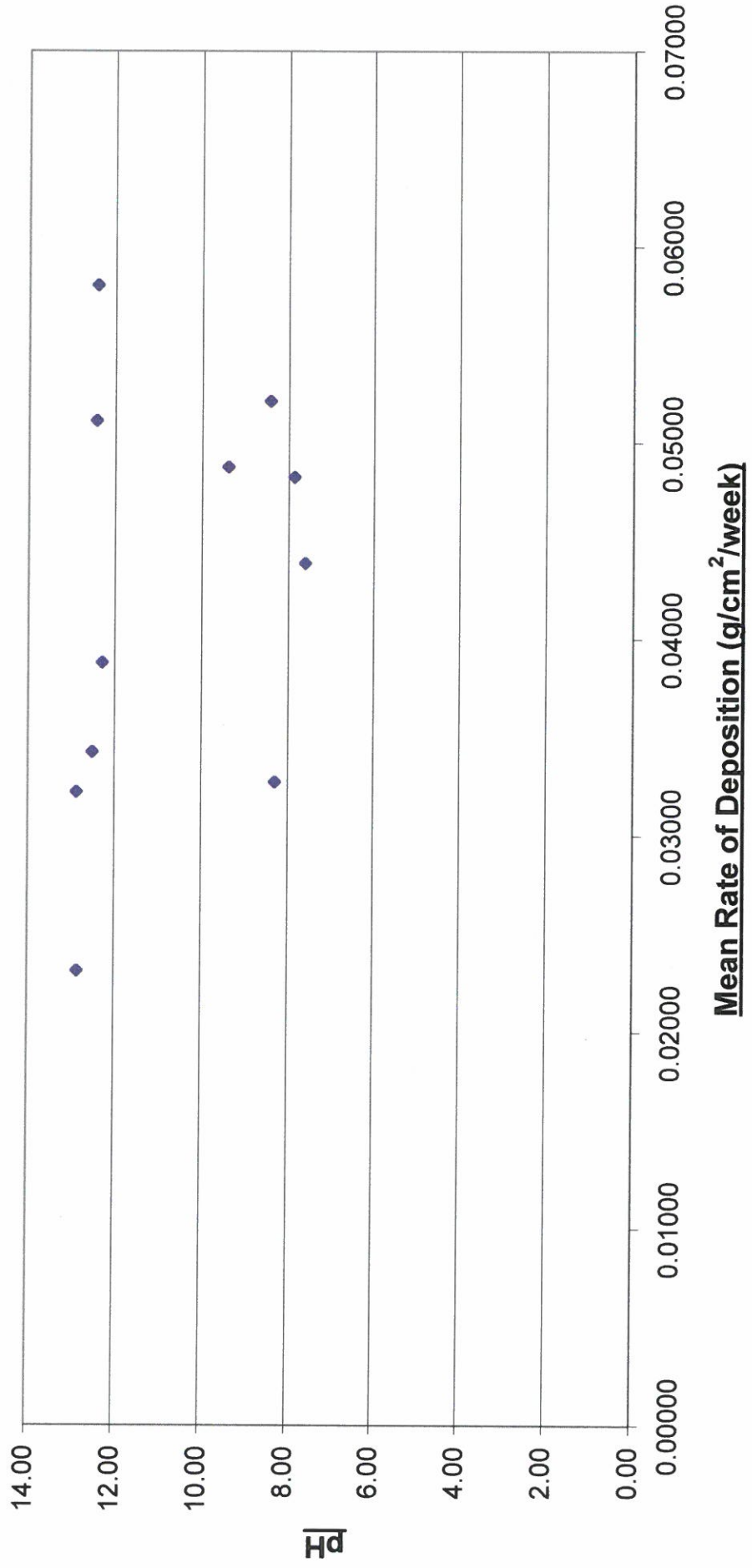




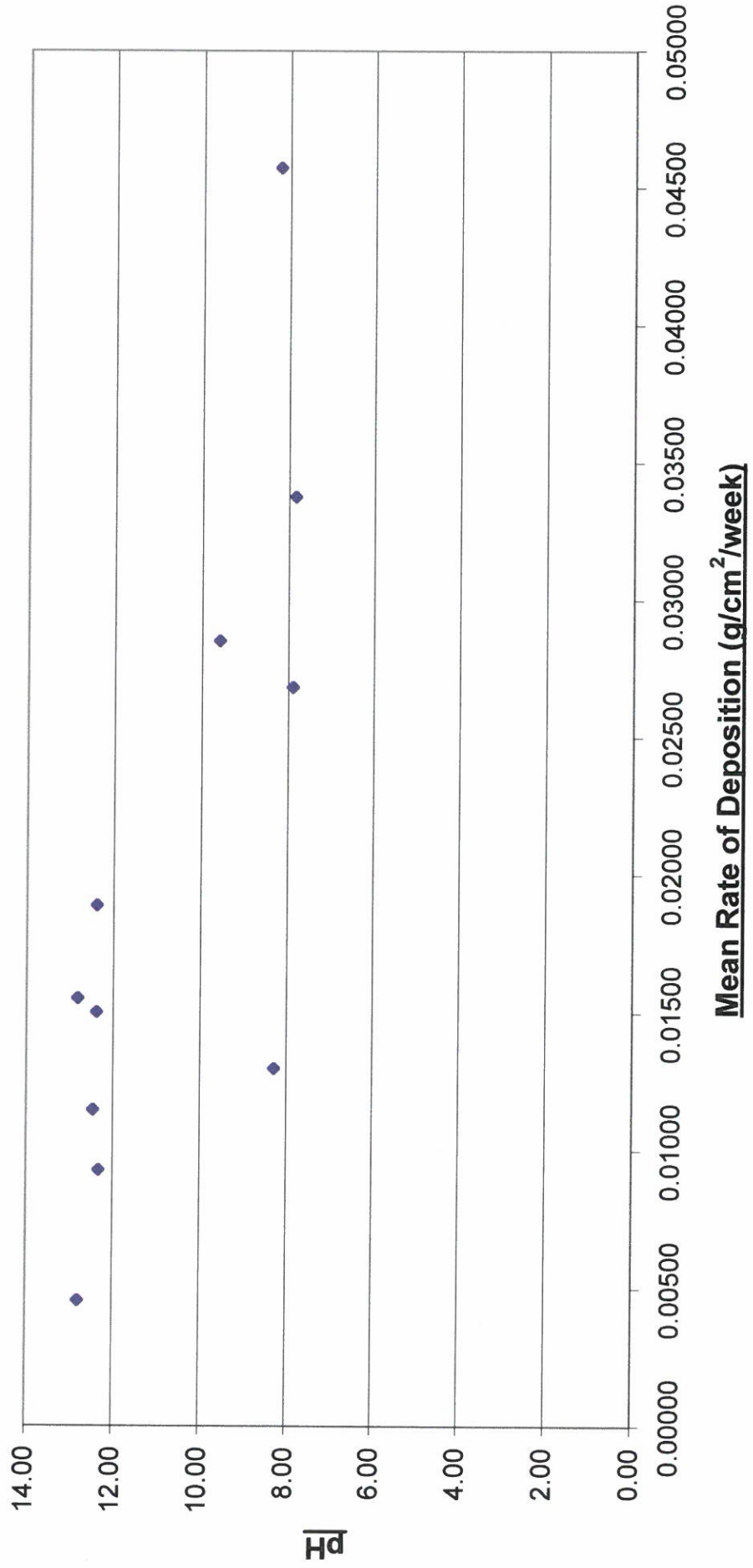
**Appendix 9: Figure B: A Scatter Graph of pH Against the Rate of Deposition at Site Two Over the Period (18/08/98-27/10/98).**



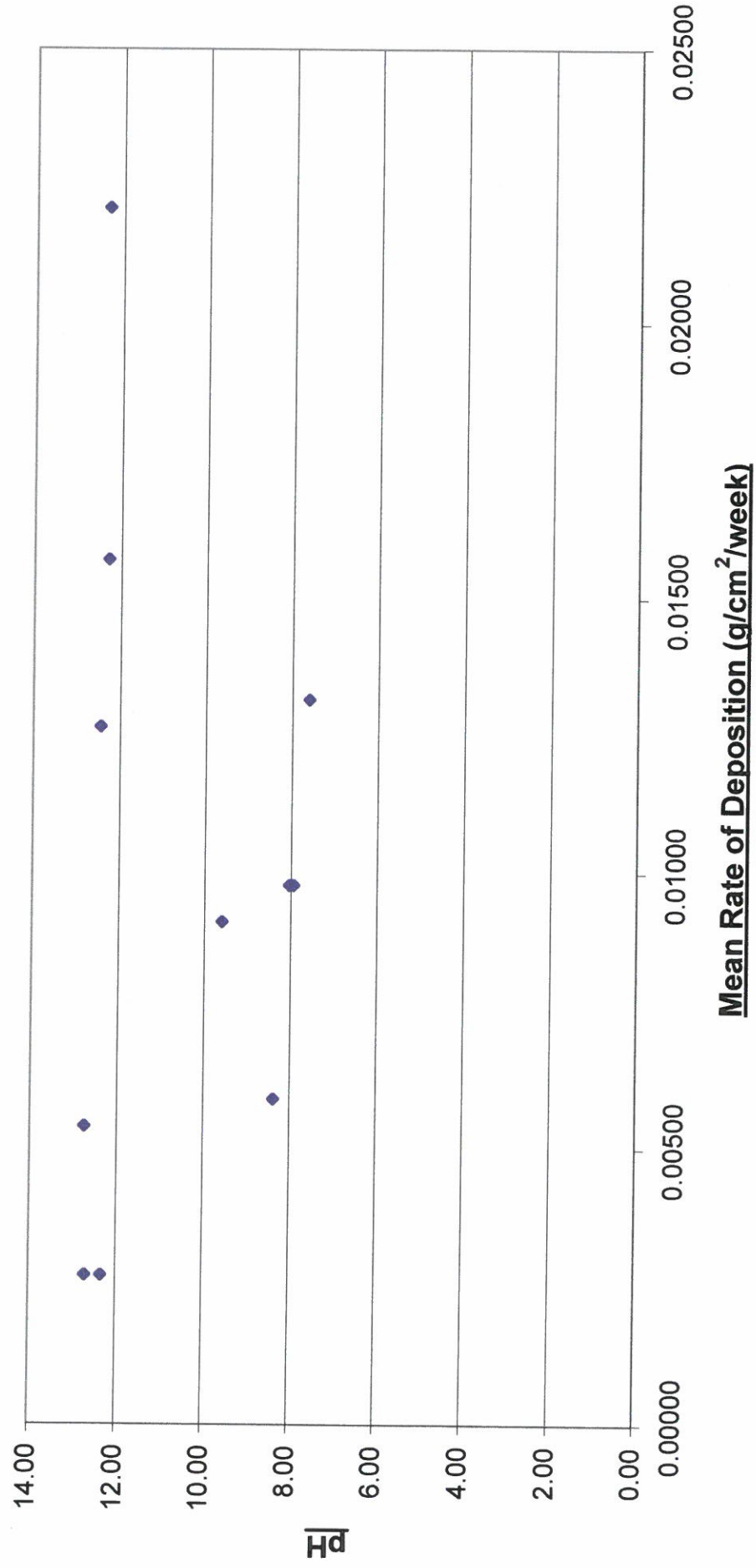
**Appendix 9: Figure C: A Scatter Graph of pH Against the Rate of Deposition at Site Three Over the Period (18/08/98-27/10/98).**



**Appendix 9: Figure D: A Scatter Graph of pH Against the Rate of Deposition at Site Four Over the Period (18/08/98-27/10/98).**

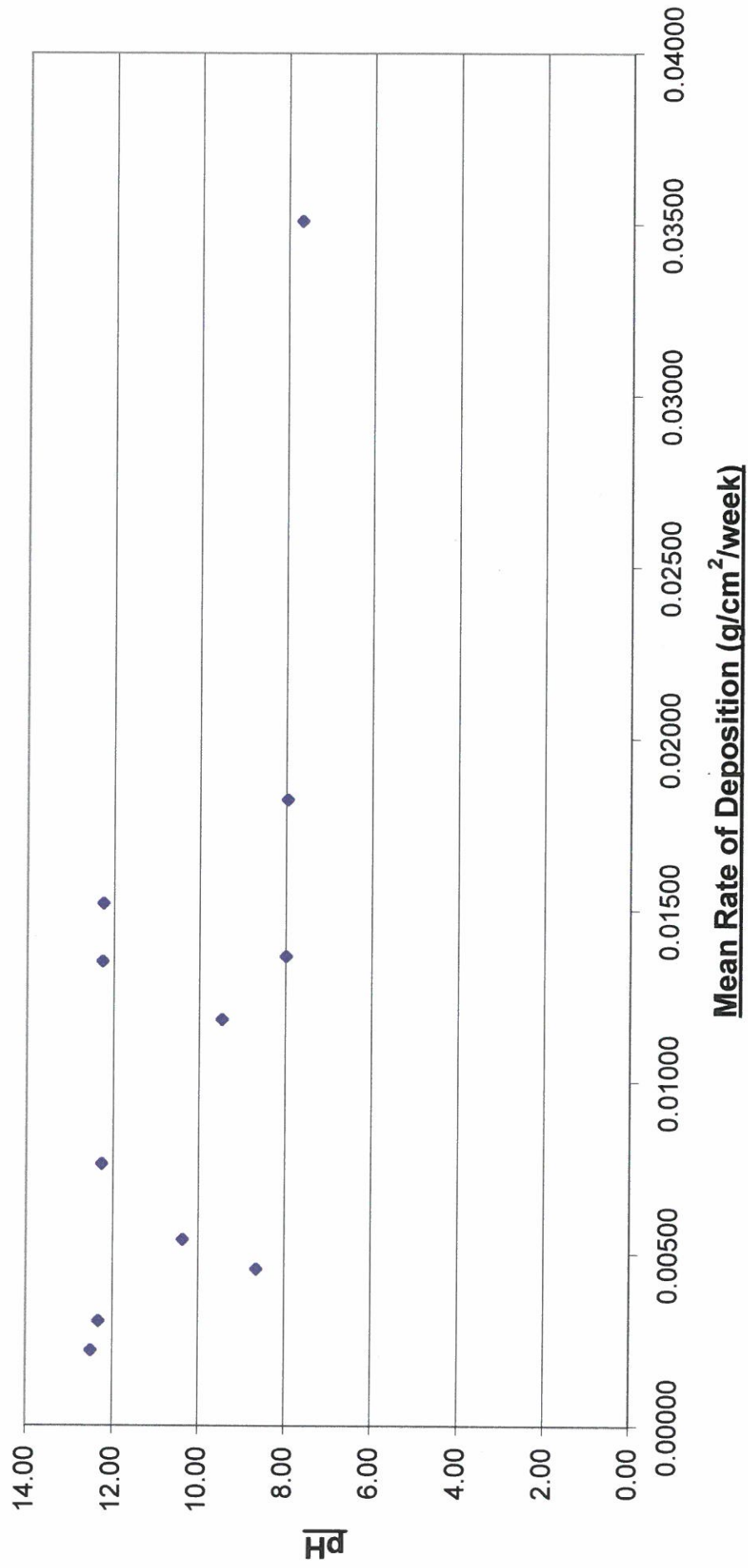


**Appendix 9: Figure E: A Scatter Graph of pH Against the Rate of Deposition at Site Five Over the Period (18/08/98-27/10/98).**

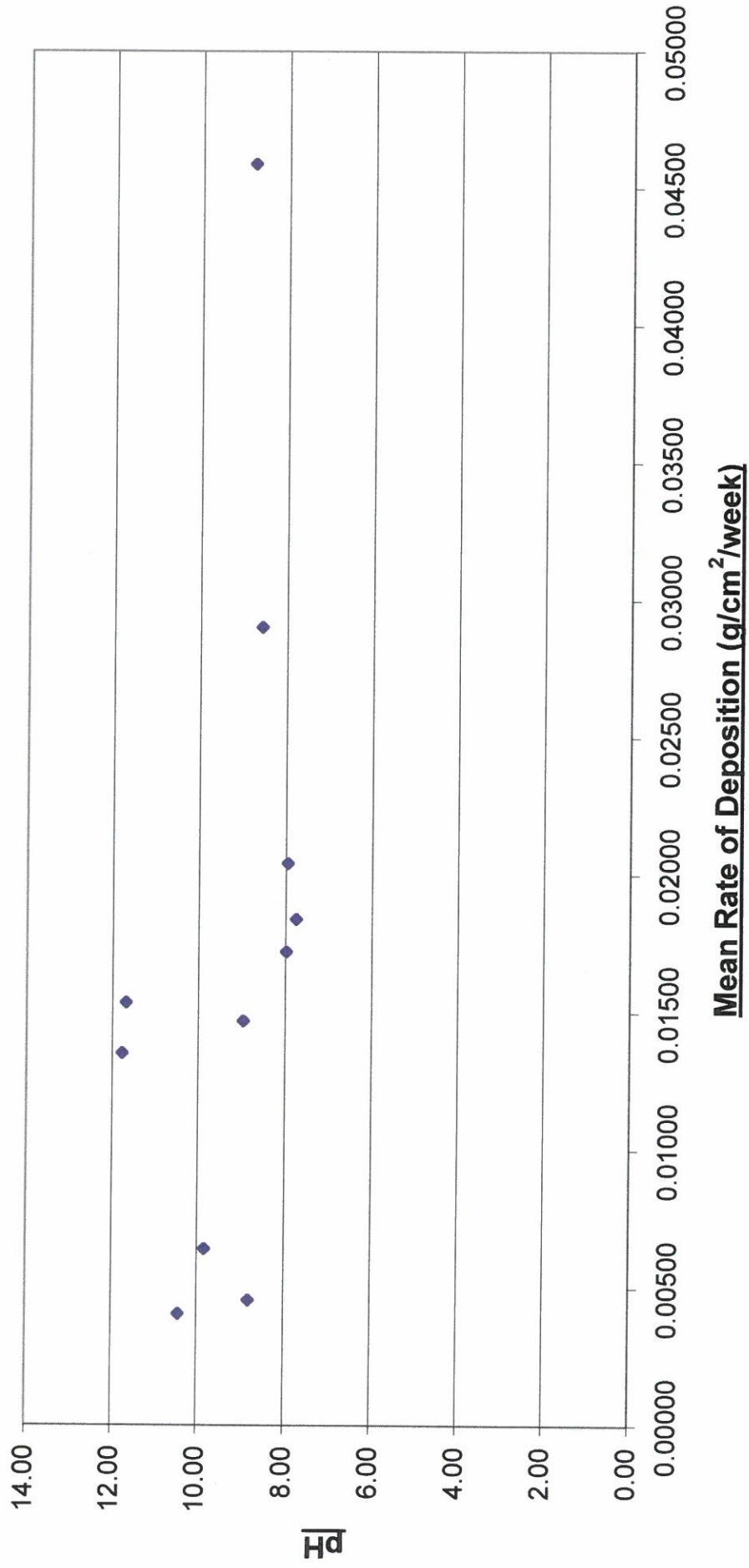




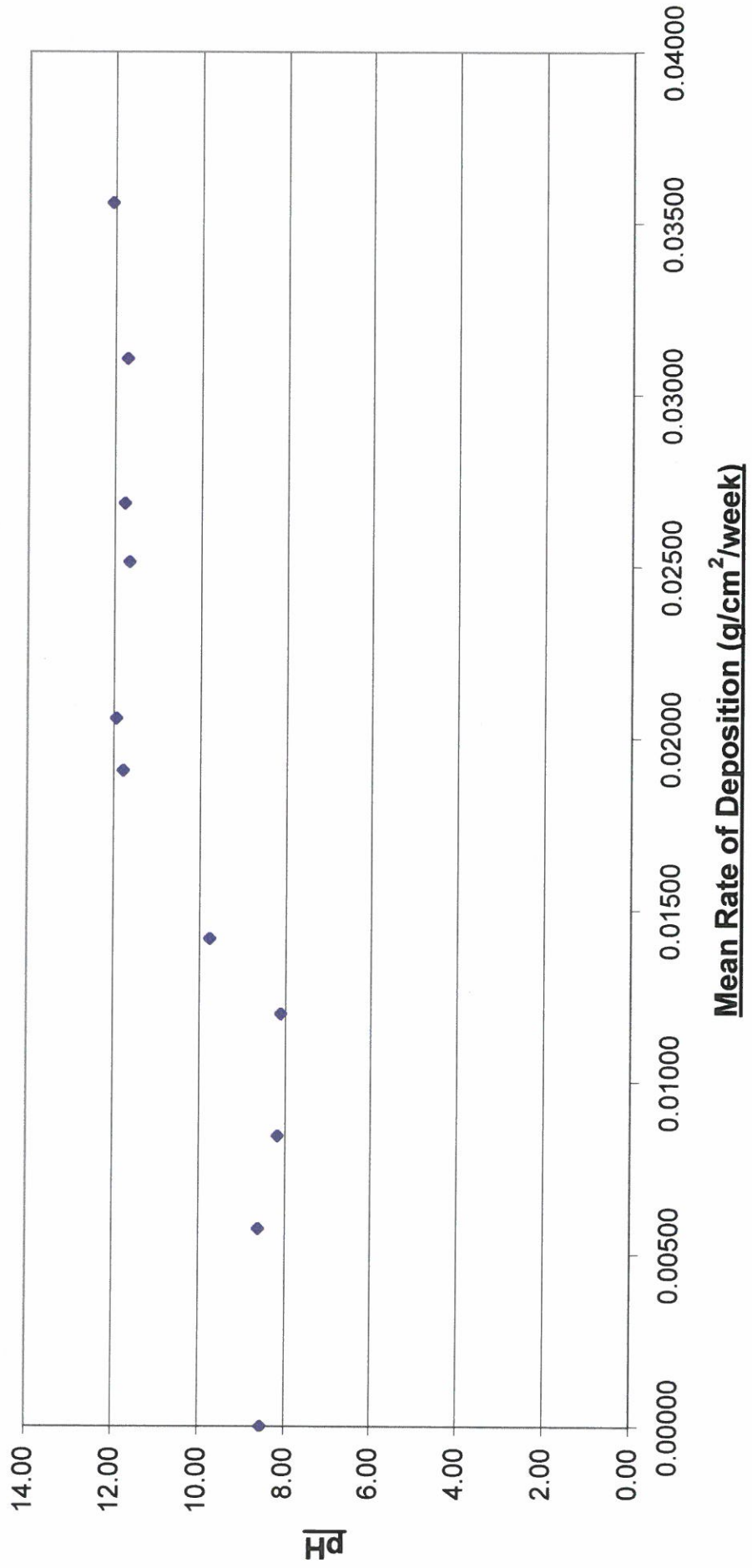
**Appendix 9: Figure F: A Scatter Graph of pH Against the Rate of Deposition at Site Six Over the Period (18/08/98-27/10/98).**



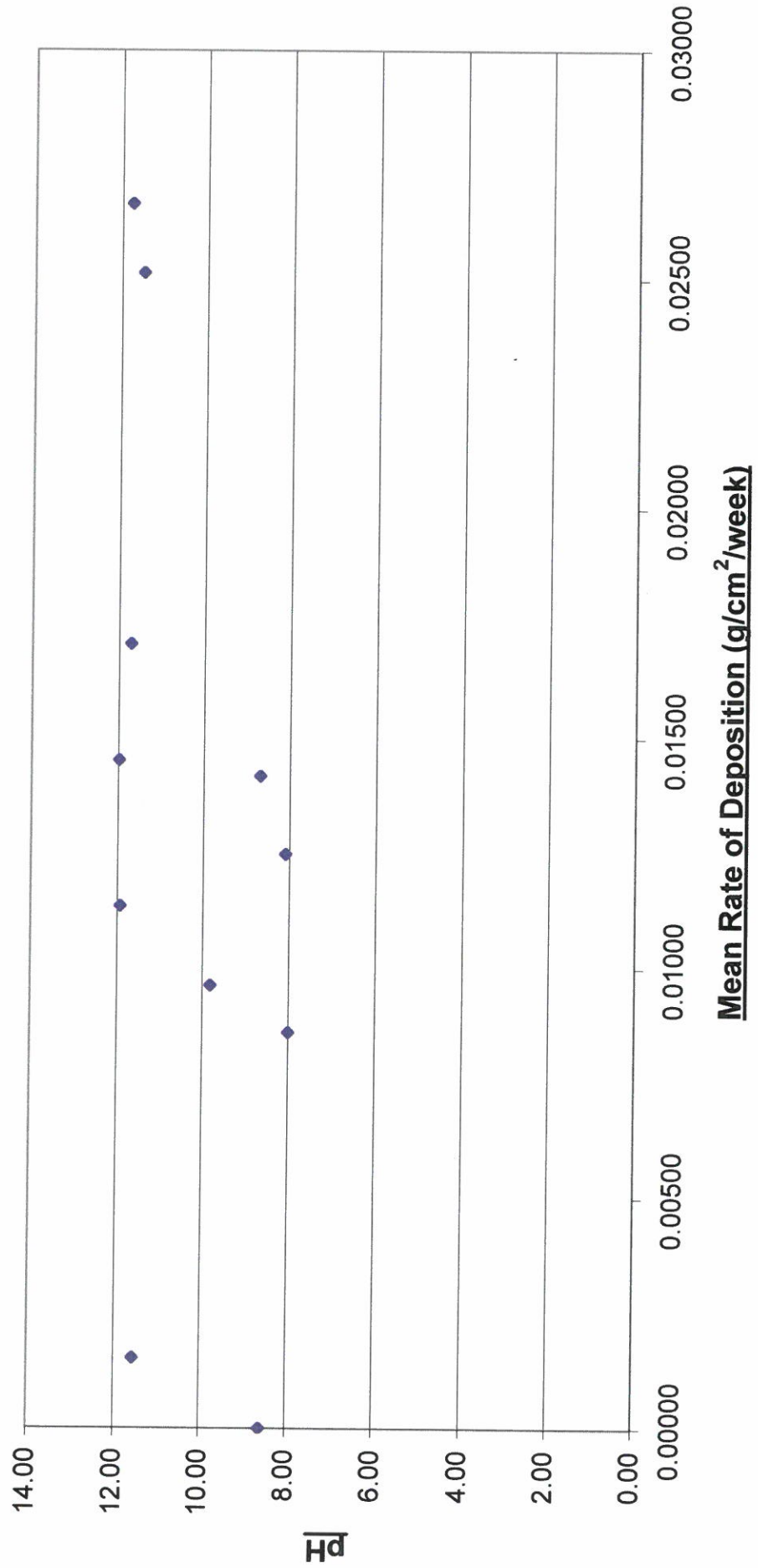
**Appendix 9: Figure G: A Scatter Graph of pH Against the Rate of Deposition at Site Seven Over the Period (18/08/98-27/10/98).**



**Appendix 9: Figure H: A Scatter Graph of pH Against the Rate of Deposition at Site Eight Over the Period (18/08/98-27/10/98).**

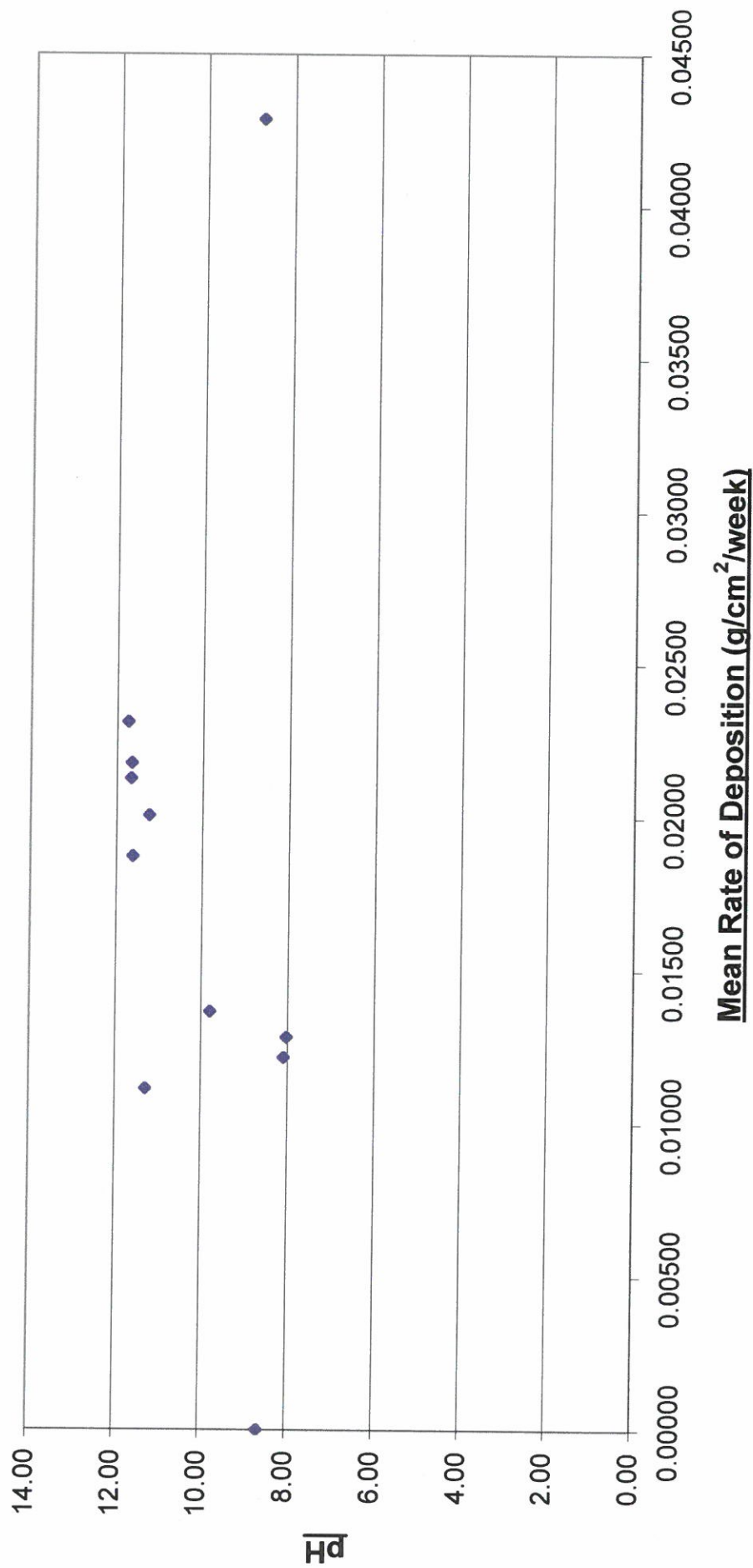


**Appendix 9: Figure I: A Scatter Graph of pH Against the Rate of Deposition at Site Nine Over the Period (18/08/98-27/10/98).**

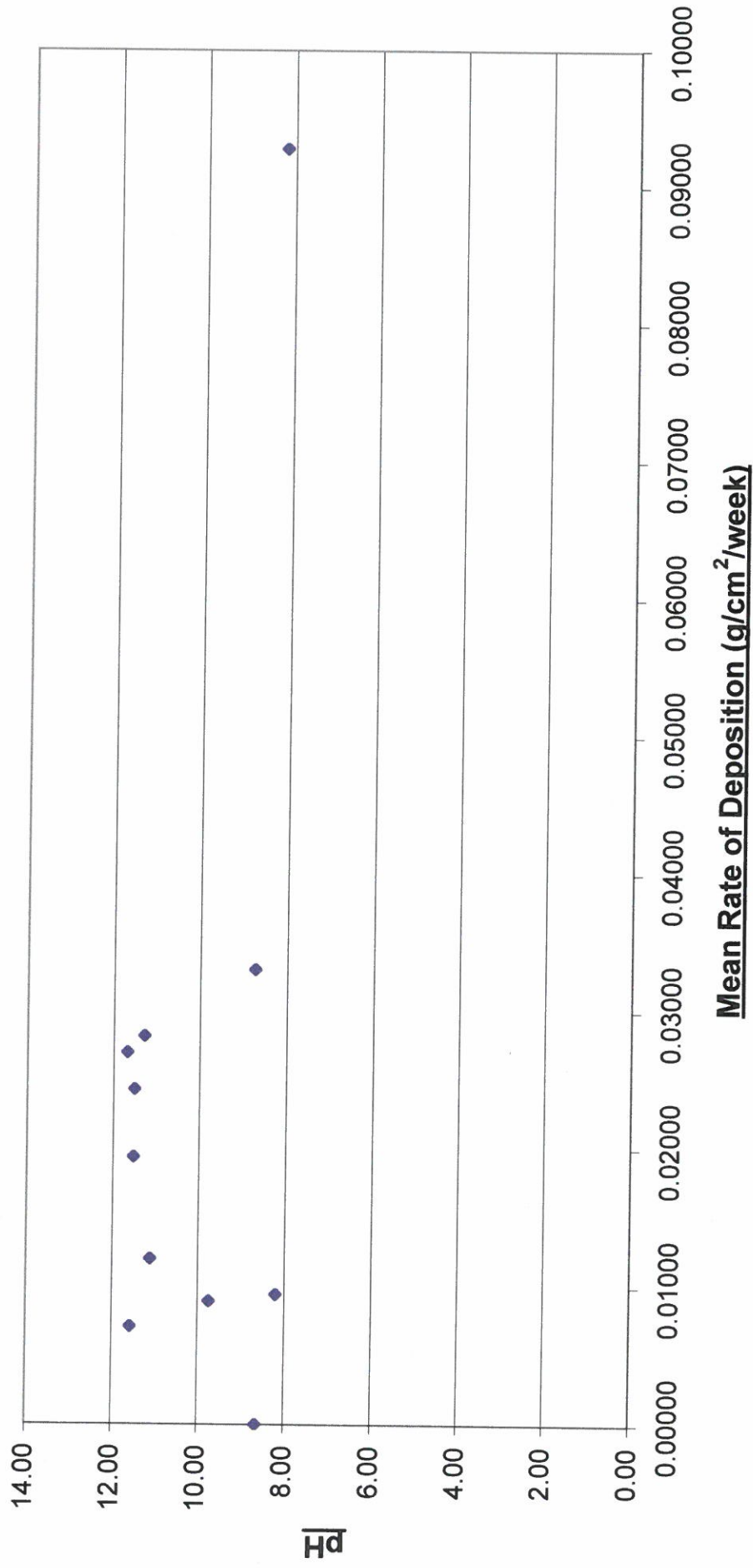




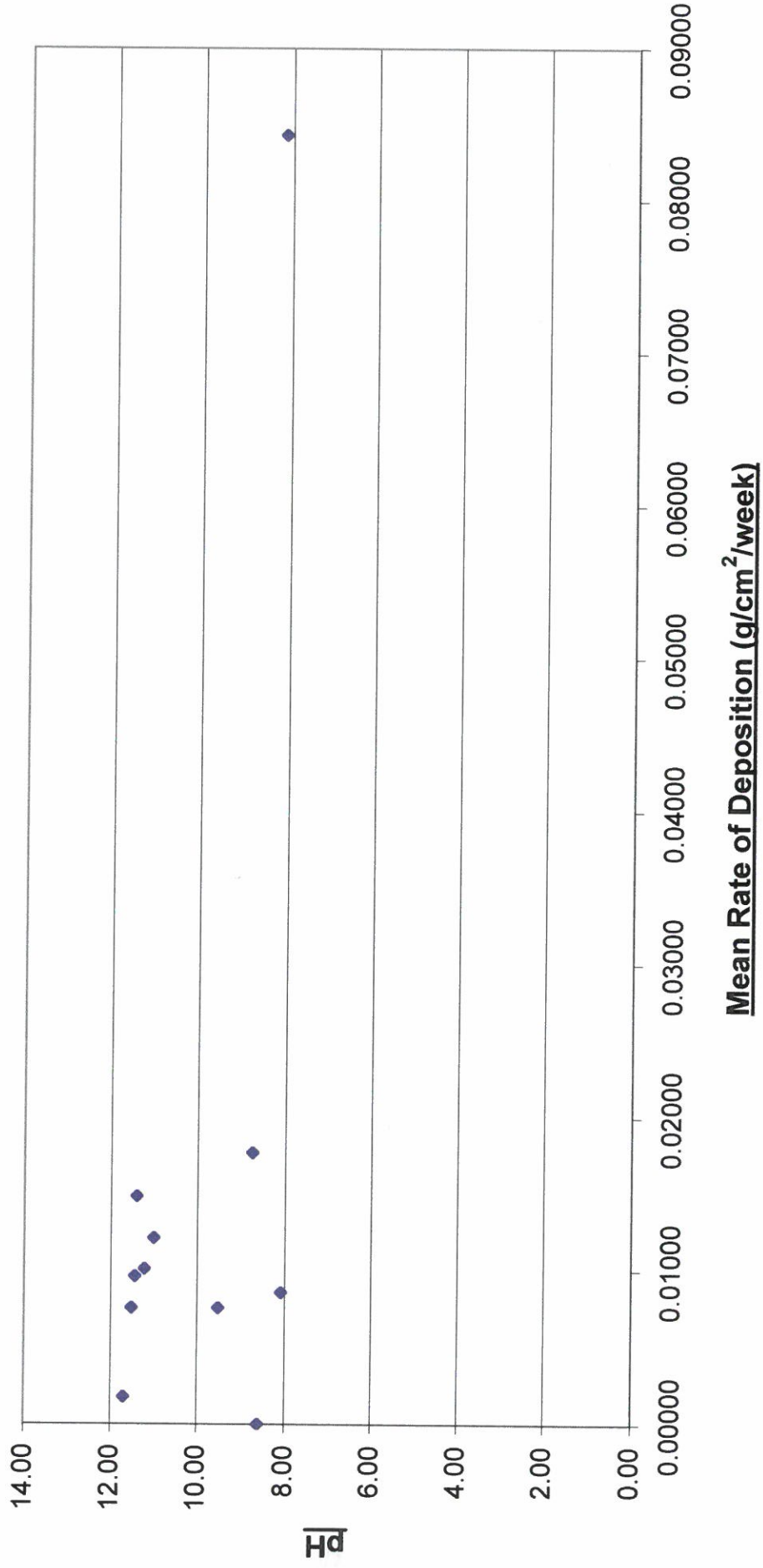
**Appendix 9: Figure J: A Scatter Graph of pH Against the Rate of Deposition at Site Ten Over the Period (18/08/98-27/10/98).**



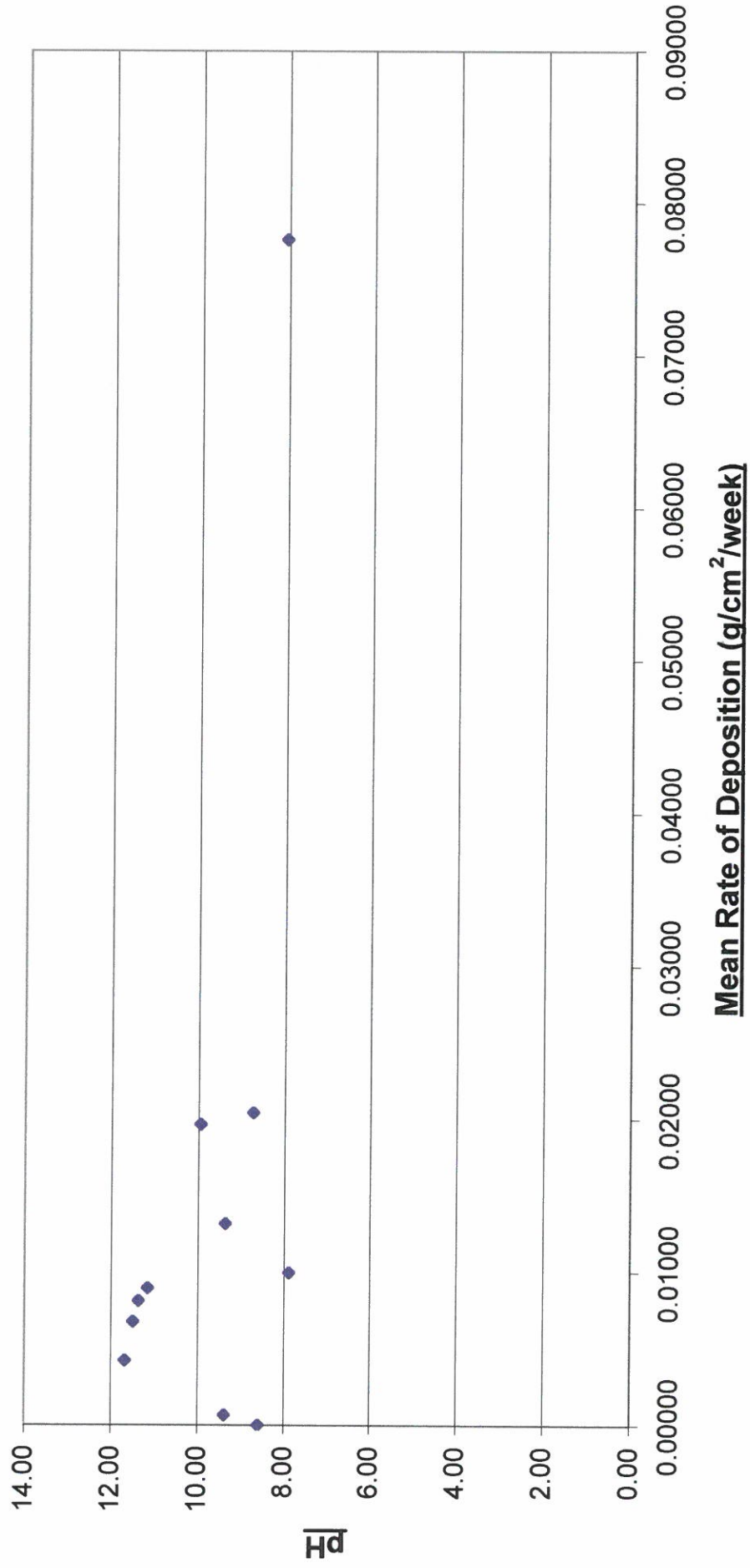
**Appendix 9: Figure K: A Scatter Graph of pH Against the Rate of Deposition at Site Eleven Over the Period (18/08/98-27/10/98).**



**Appendix 9: Figure L: A Scatter Graph of pH Against the Rate of Deposition at Site Twelve Over the Period (18/08/98-27/10/98).**

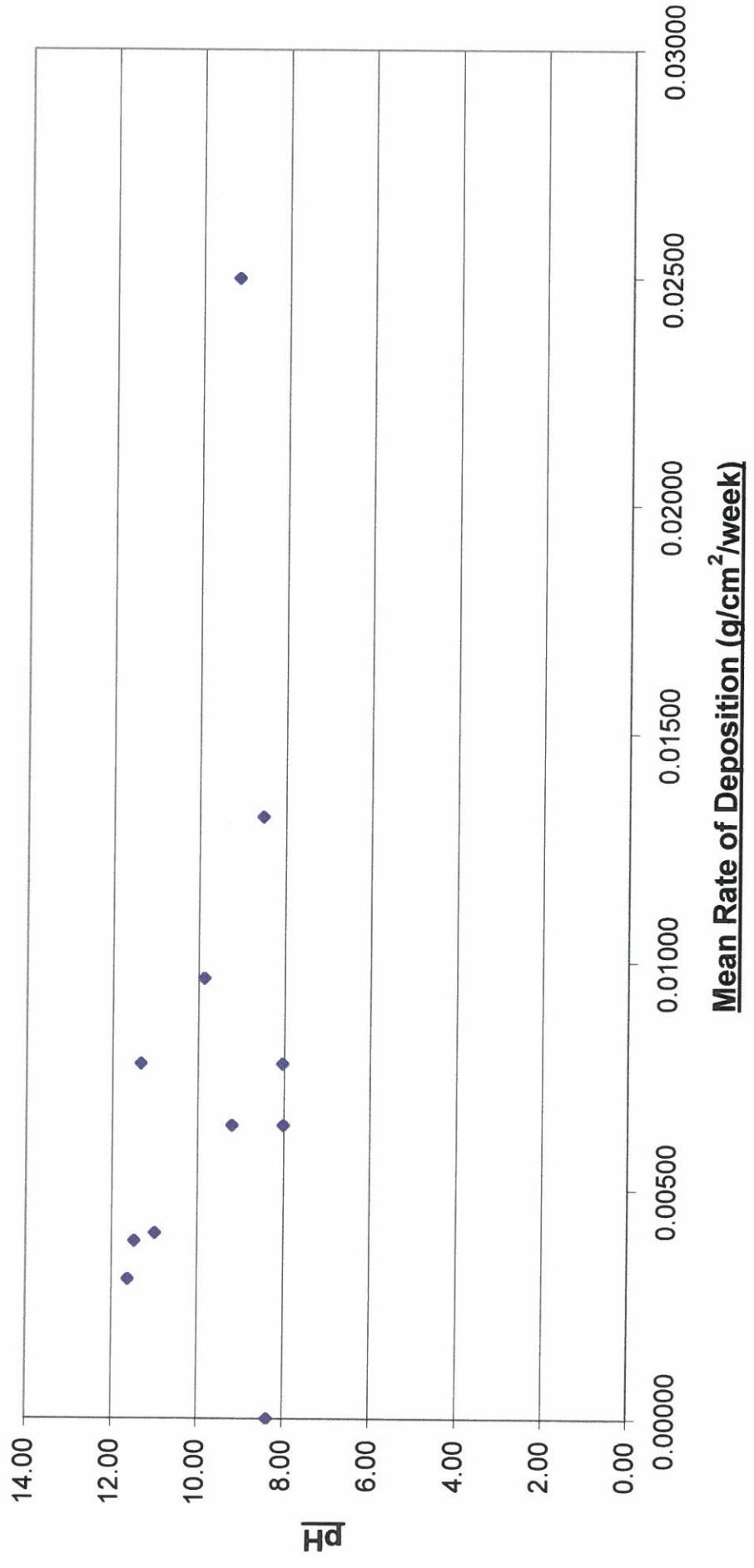


**Appendix 9: Figure M: A Scatter Graph of pH Against the Rate of Deposition at Site Thirteen Over the Period (18/08/98-27/10/98).**

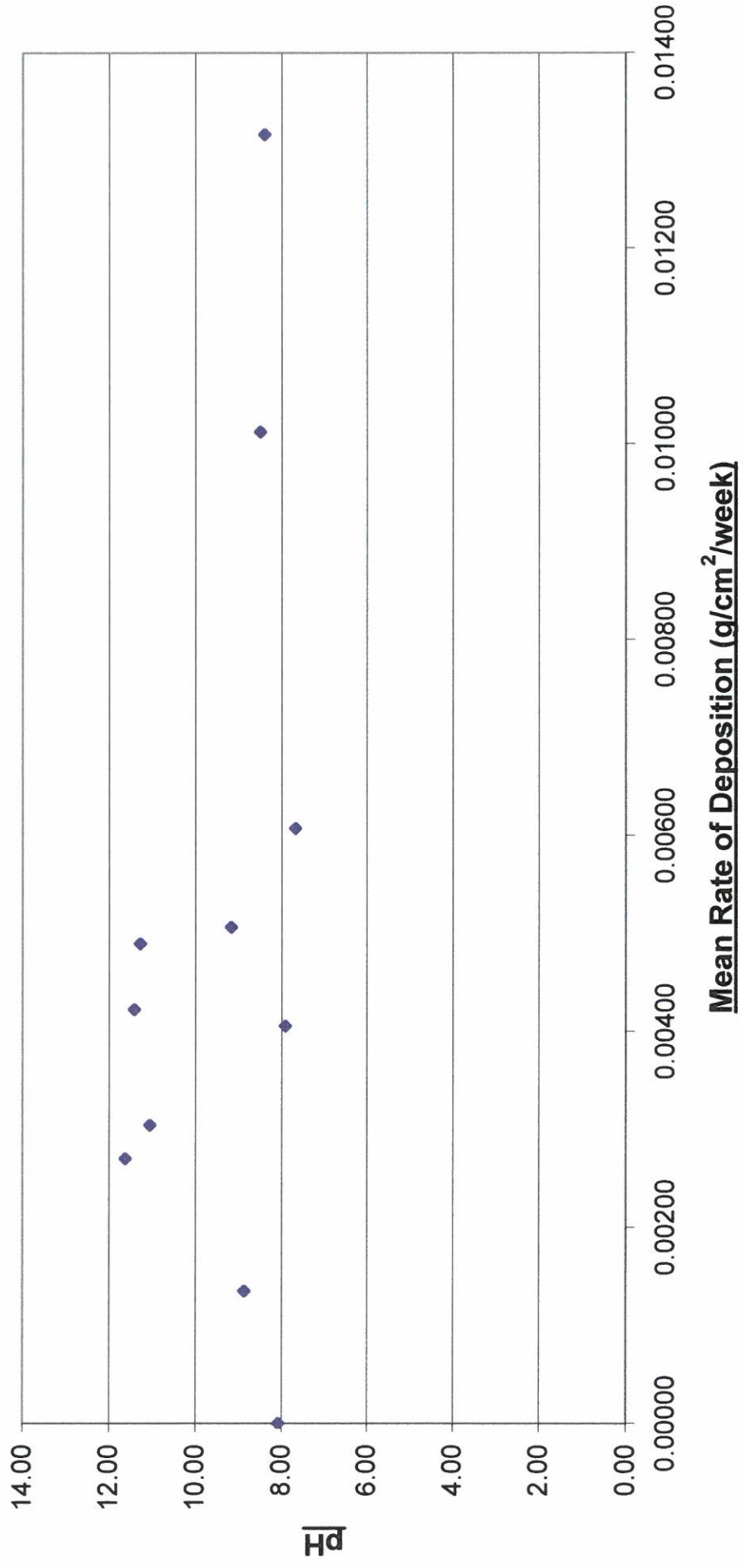




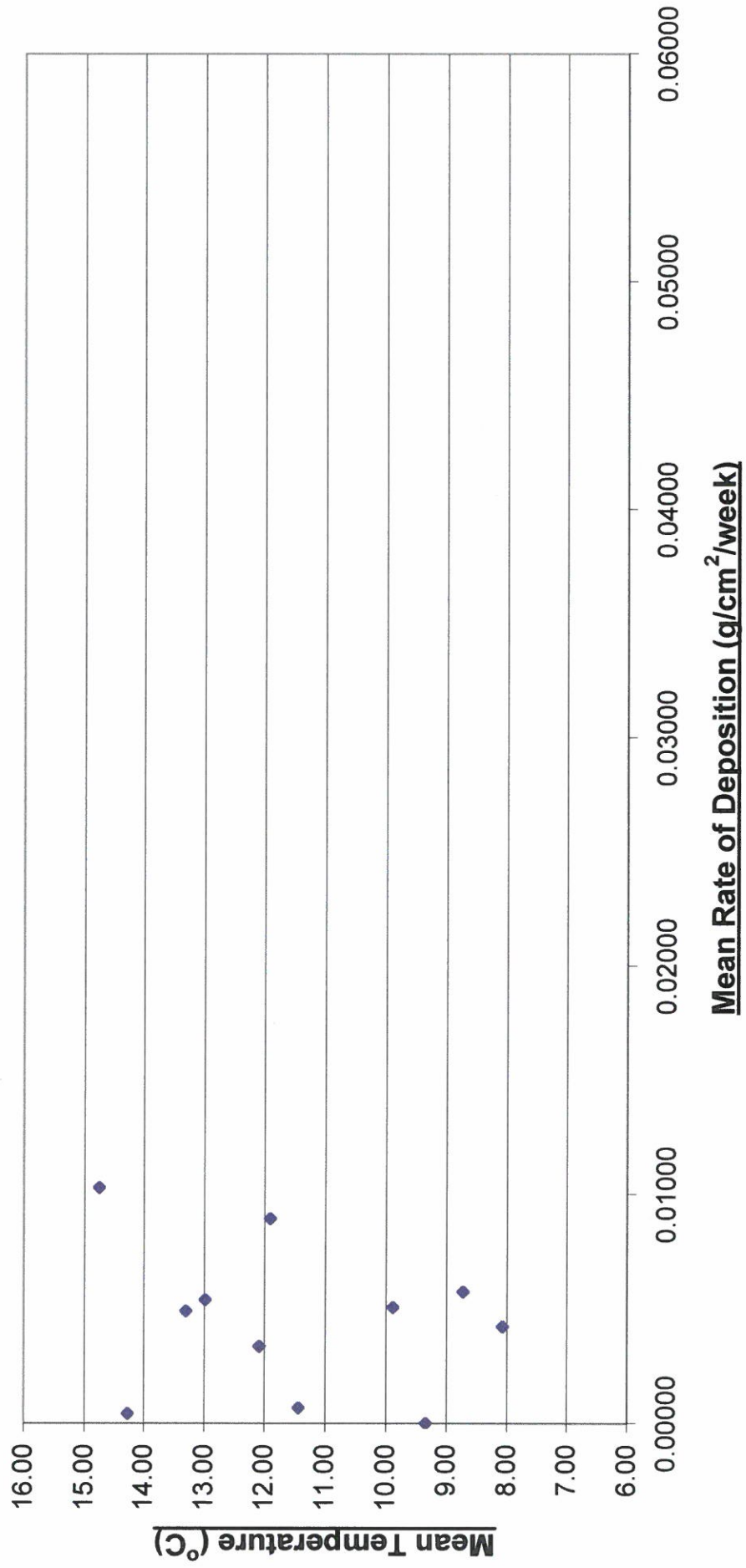
**Appendix 9: Figure N: A Scatter Graph of pH Against the Rate of Deposition at Site Fourteen Over the Period (18/08/98-27/10/98).**



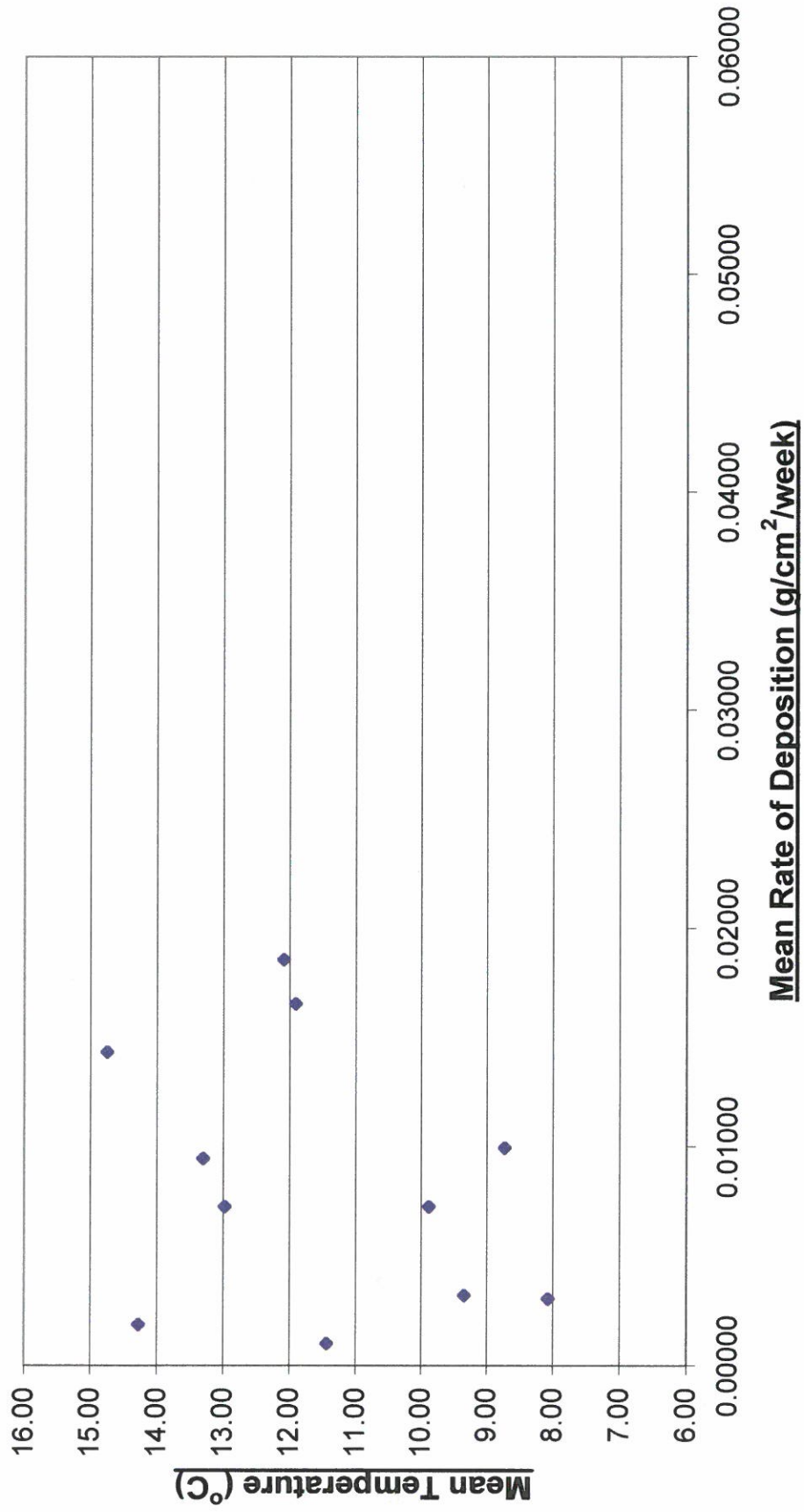
**Appendix 9: Figure O: A Scatter Graph of pH Against the Rate of Deposition at Site Fifteen Over the Period (18/08/98-27/10/98).**



**Appendix 10: Figure A: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site One.**

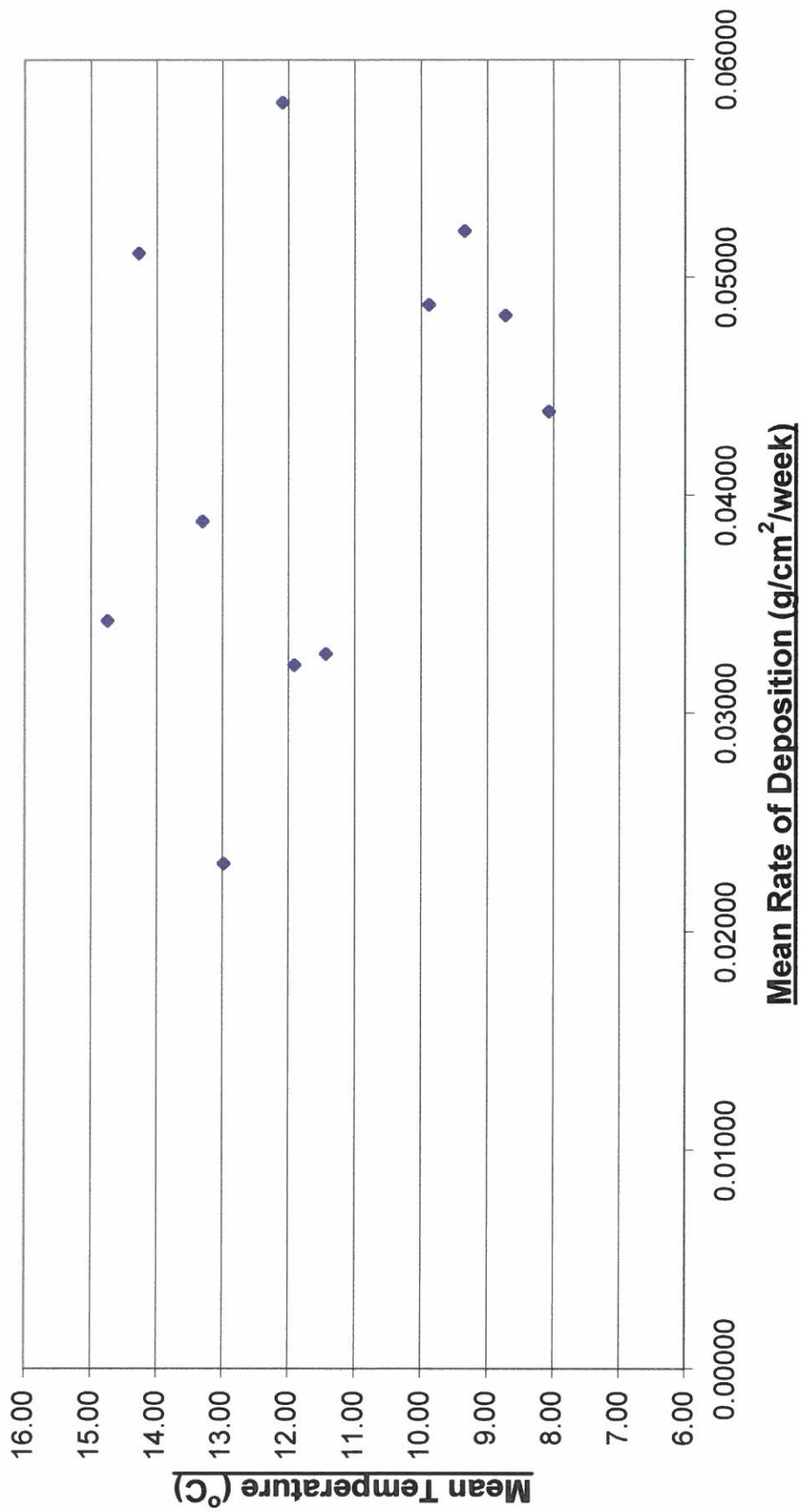


**Appendix 10: Figure B: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site Two.**

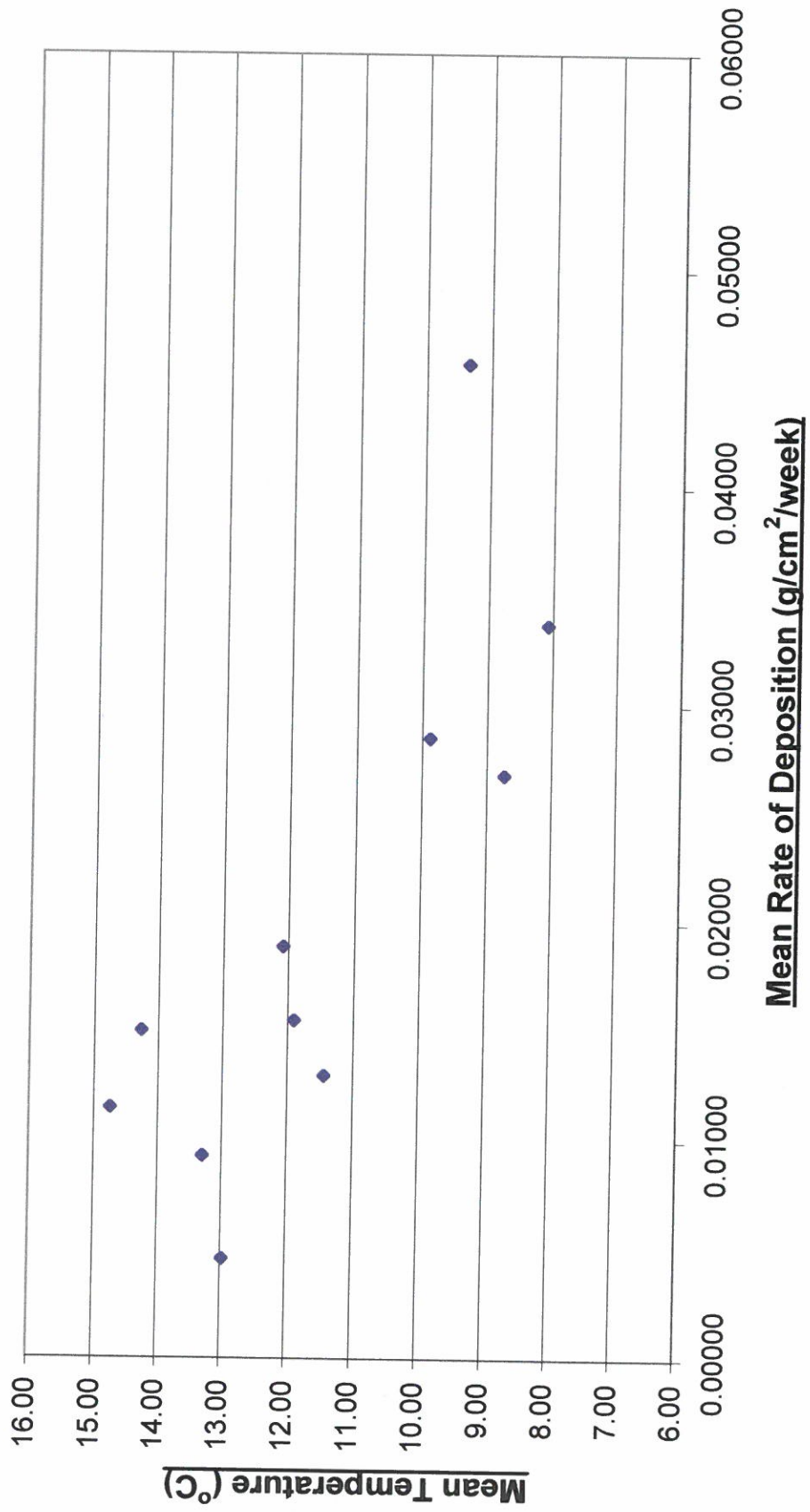




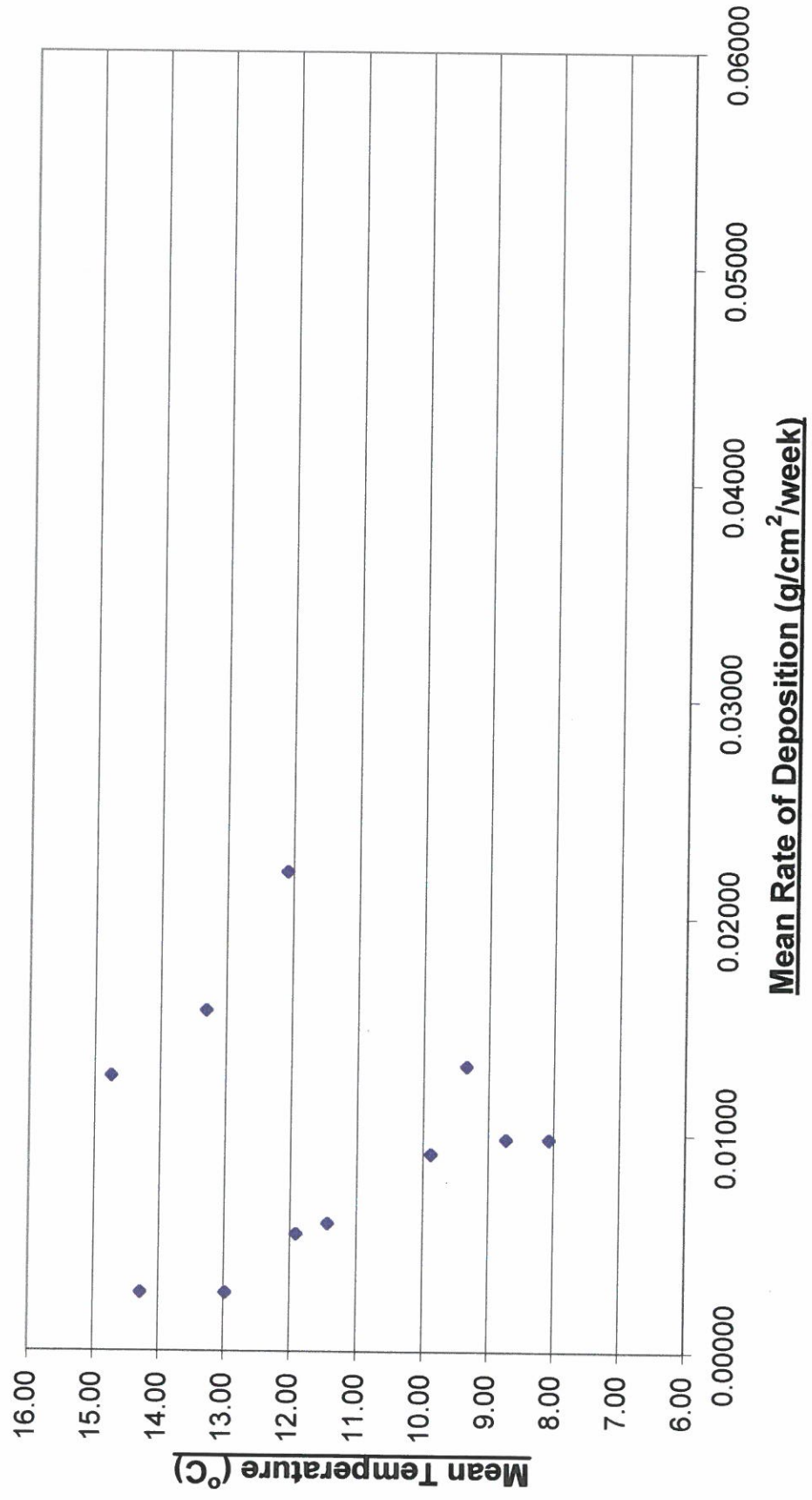
**Appendix 10: Figure C: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site Three.**



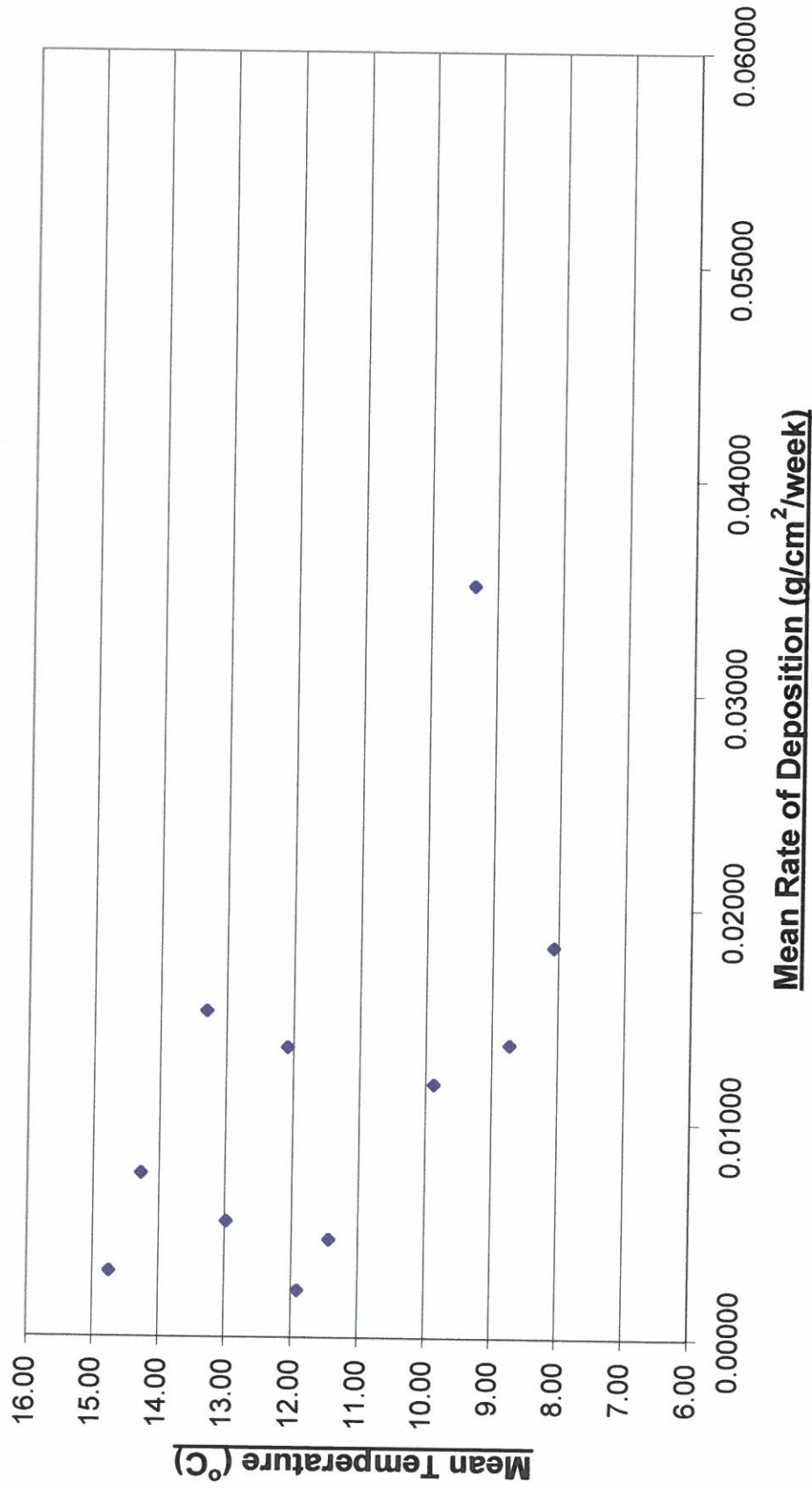
**Appendix 10: Figure D: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site Four.**



**Appendix 10: Figure E: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site Five.**

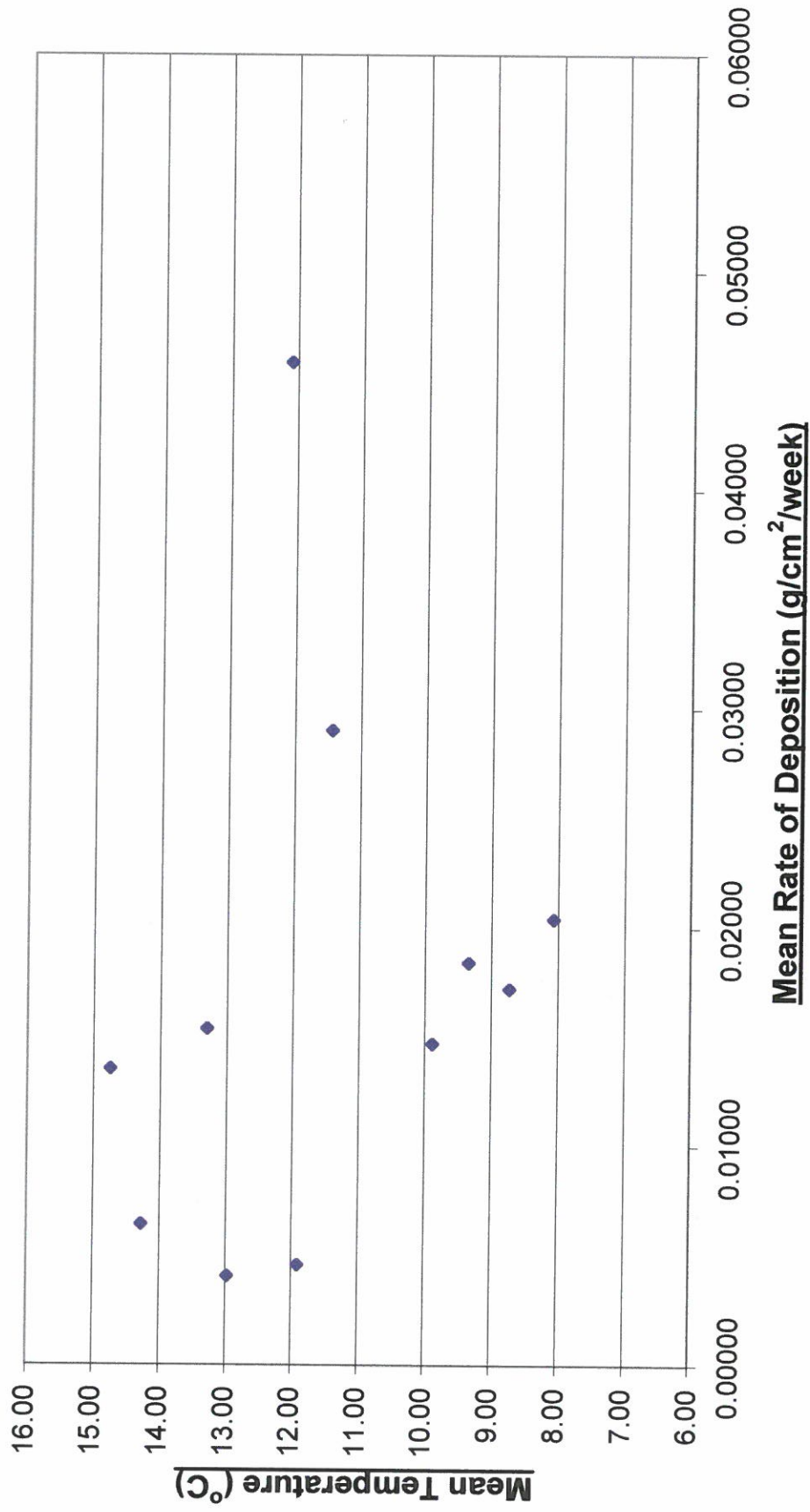


**Appendix 10: Figure F: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site Six.**

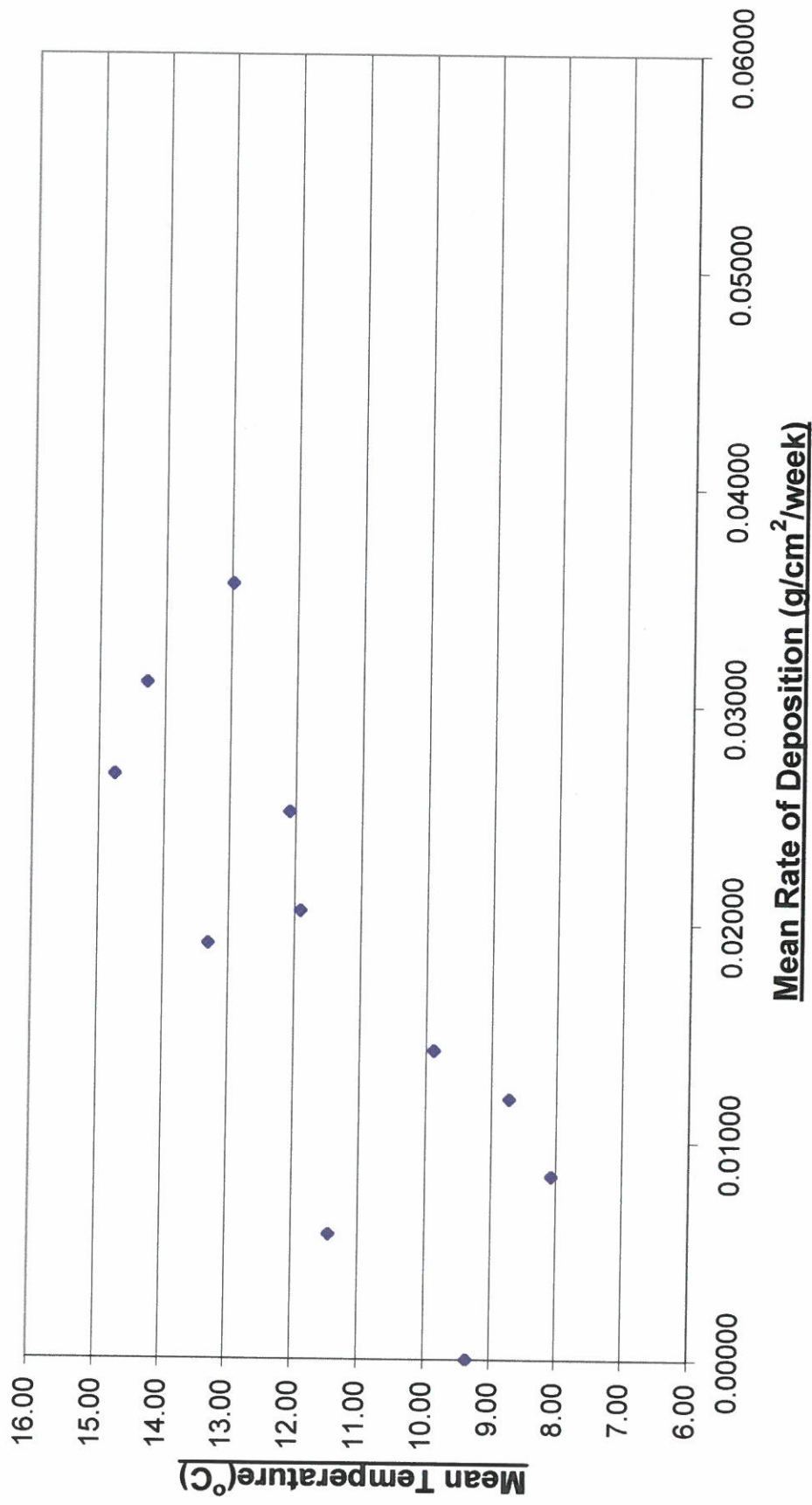




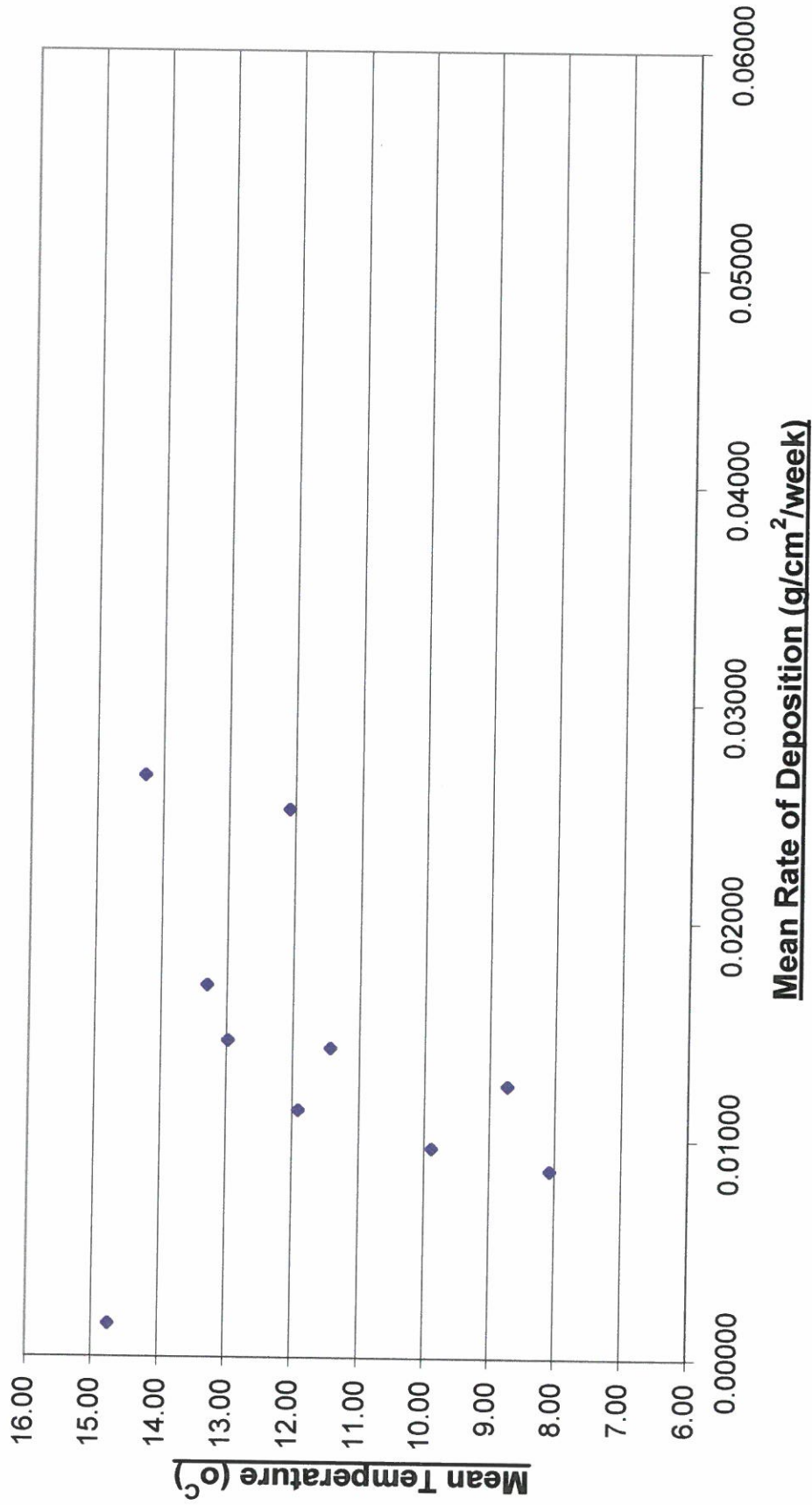
**Appendix 10: Figure G: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site Seven.**



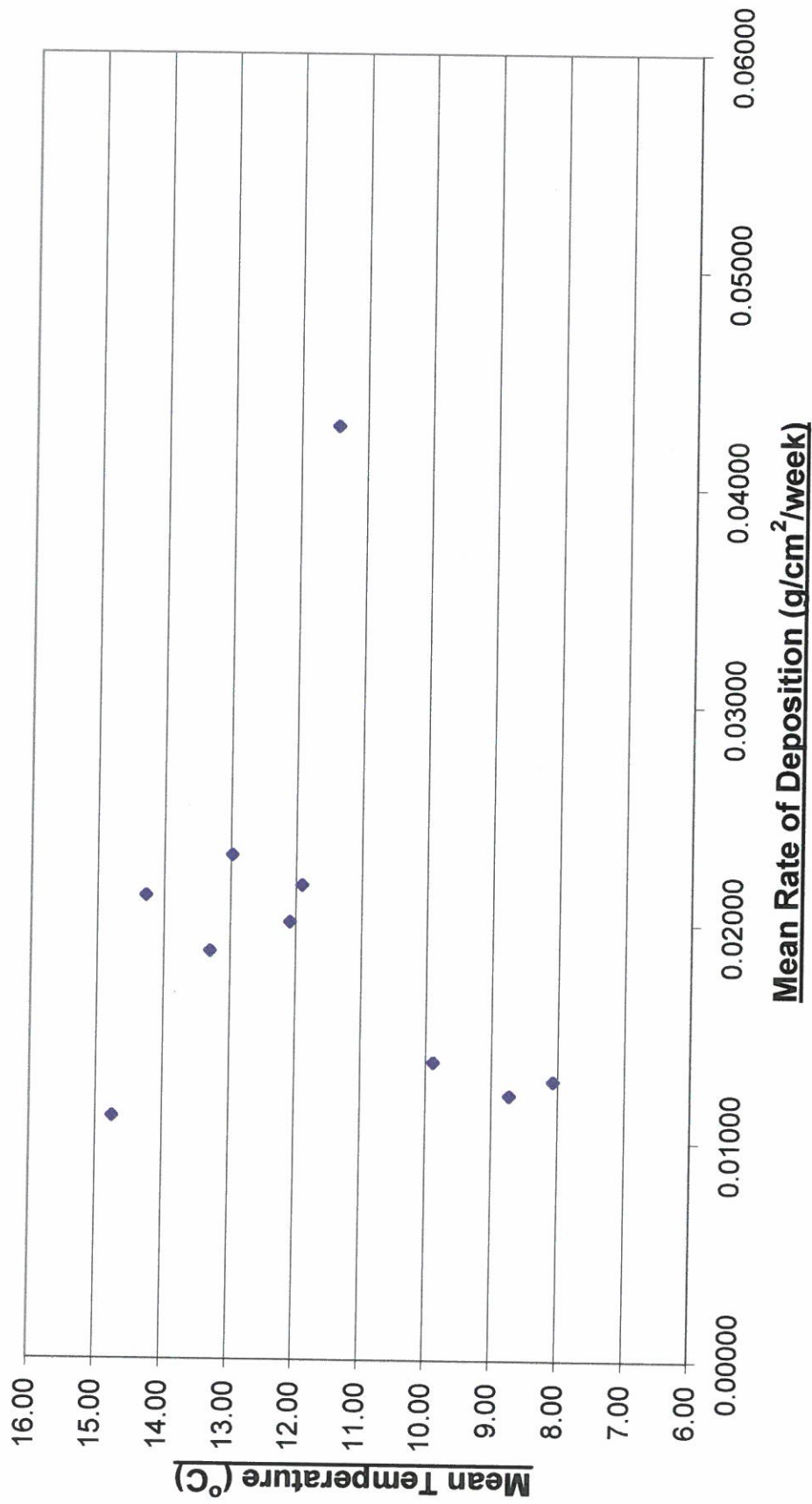
**Appendix 10: Figure H: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site Eight.**



**Appendix 10: Figure I: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site Nine.**

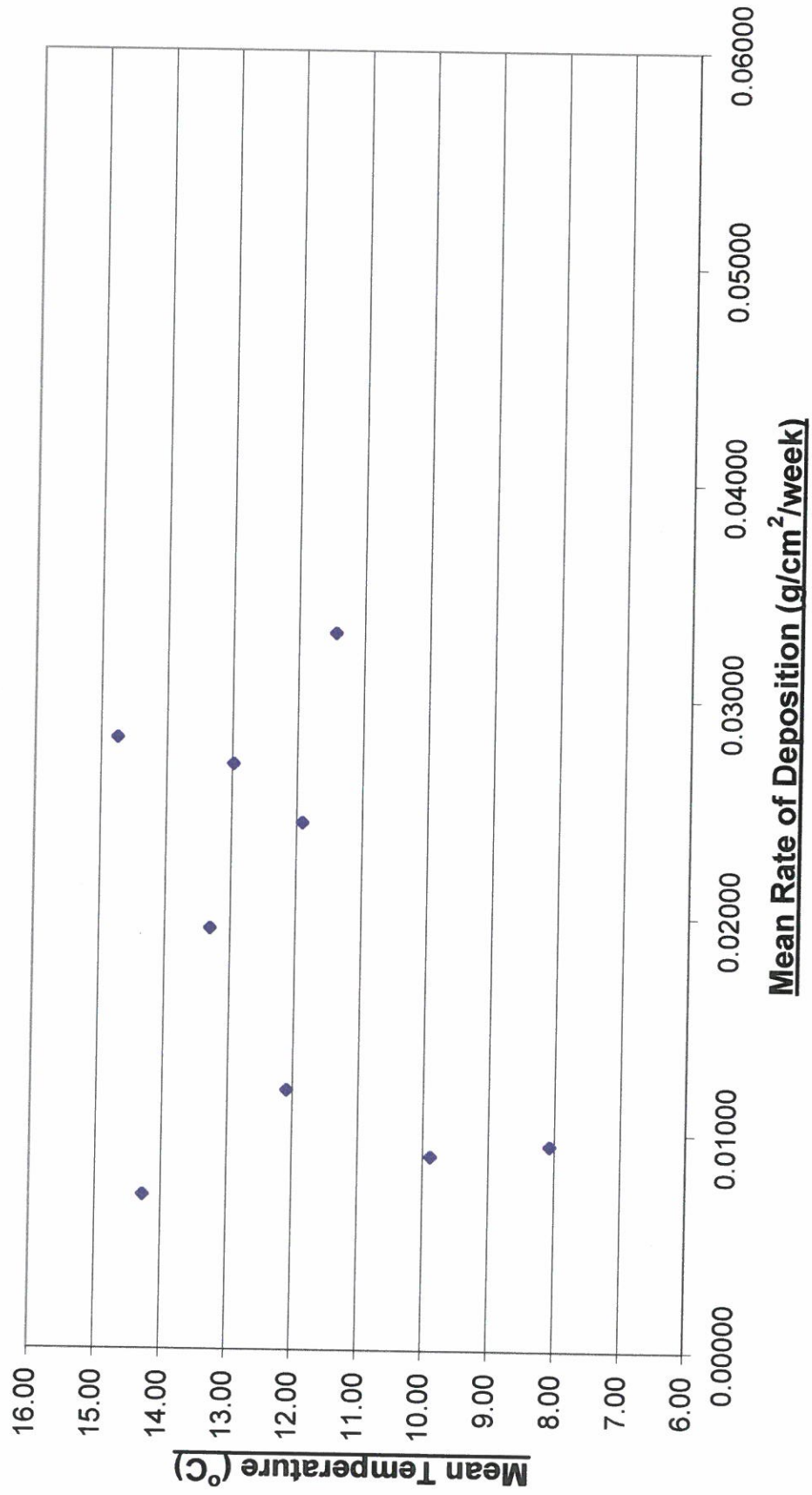


**Appendix 10: Figure J: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site Ten.**

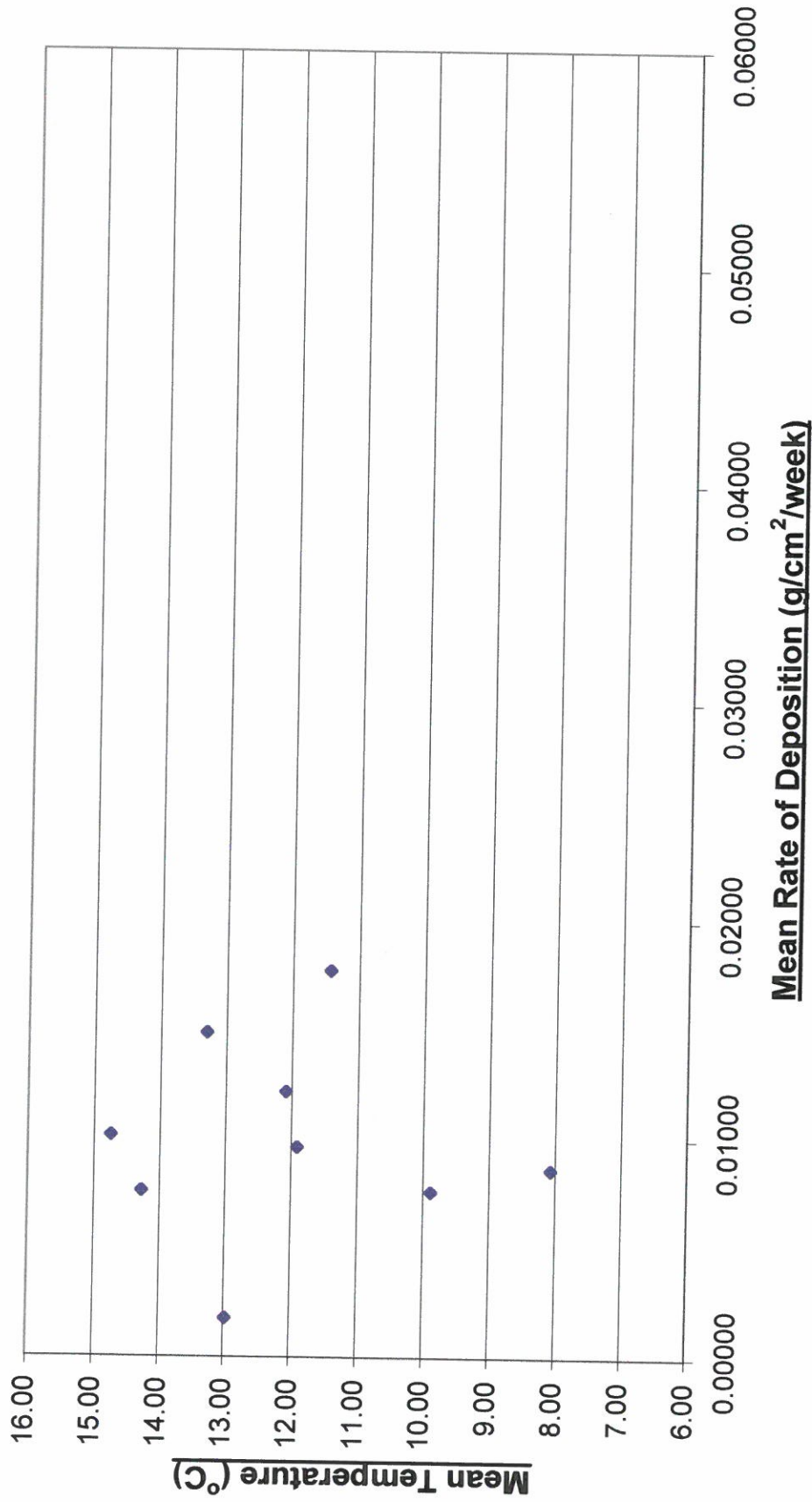




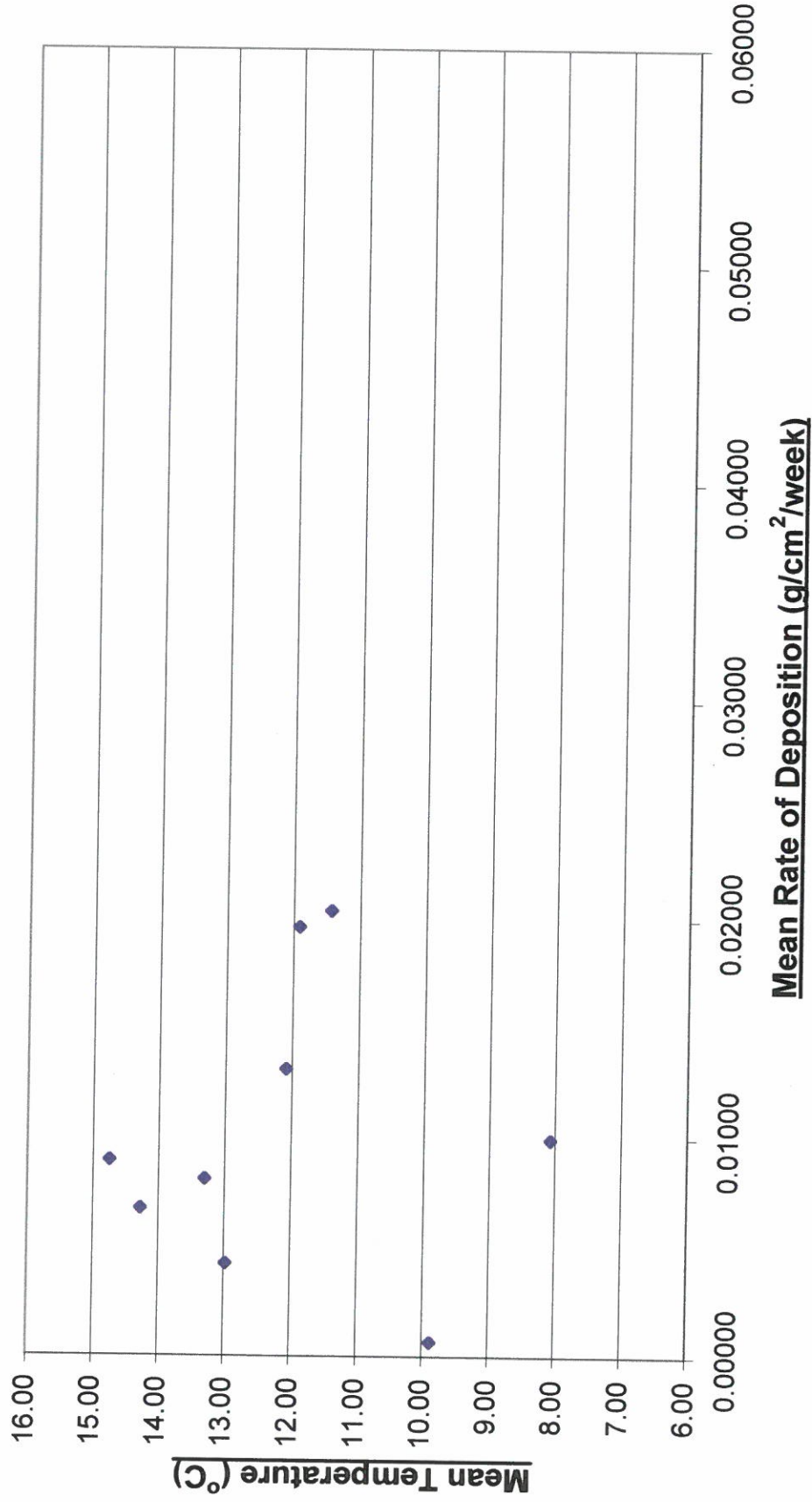
**Appendix 10: Figure K: A Scatter Graph of Mean Temperature Against the rate of Deposition at Site Eleven.**



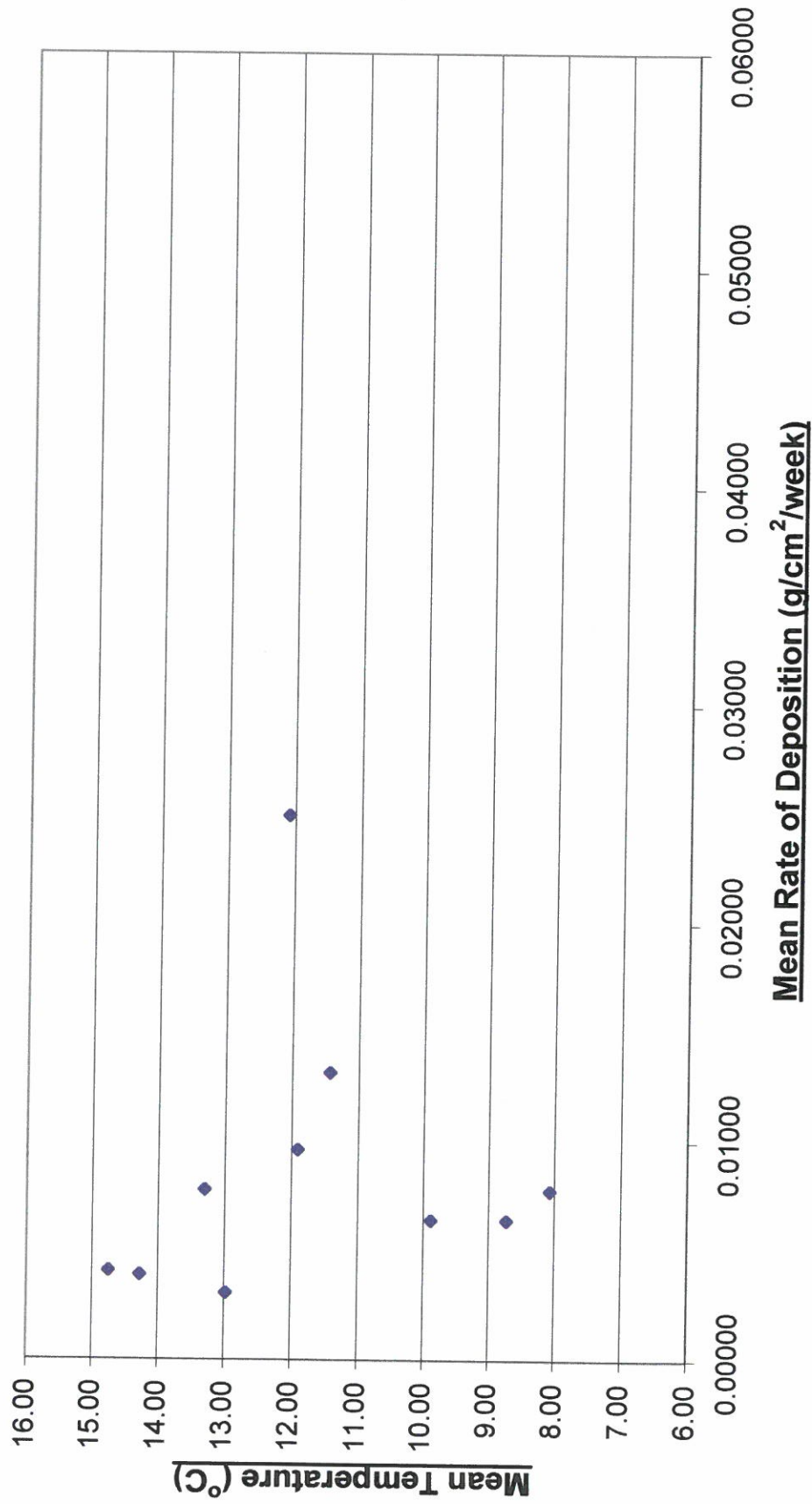
**Appendix 10: Figure L: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site Twelve.**



**Appendix 10: Figure M: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site Thirteen.**

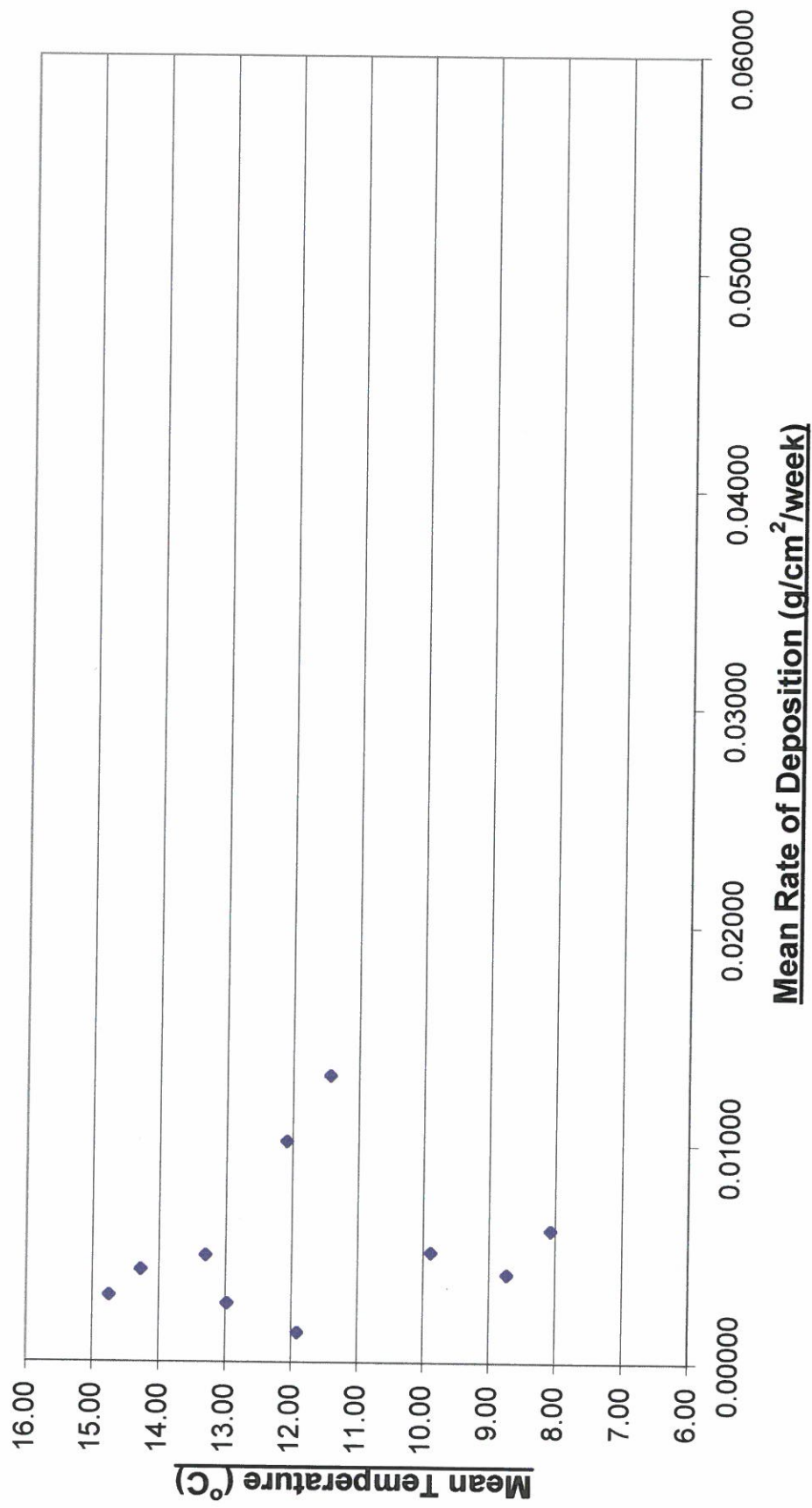


**Appendix 10: Figure N: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site Fourteen.**

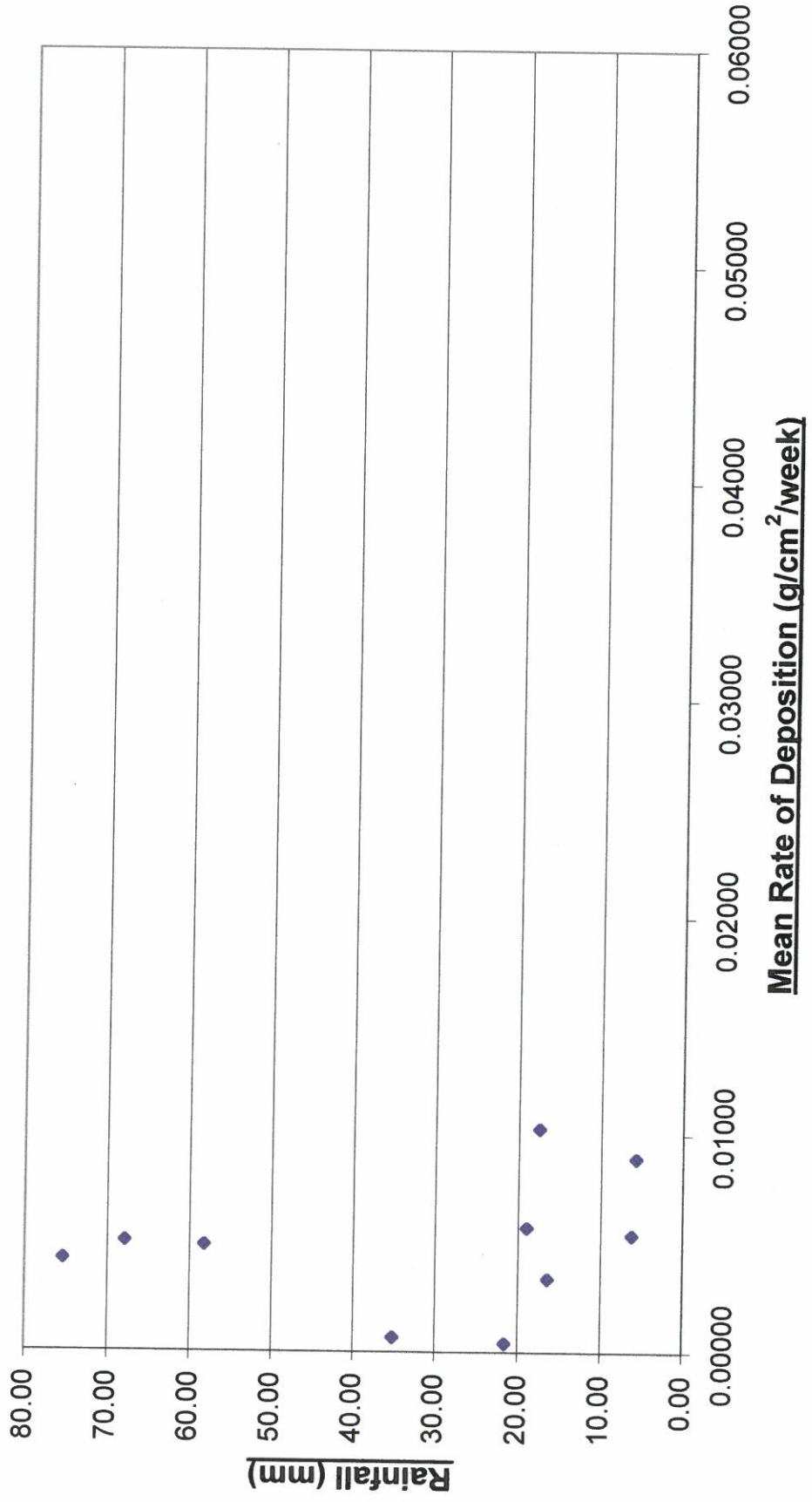




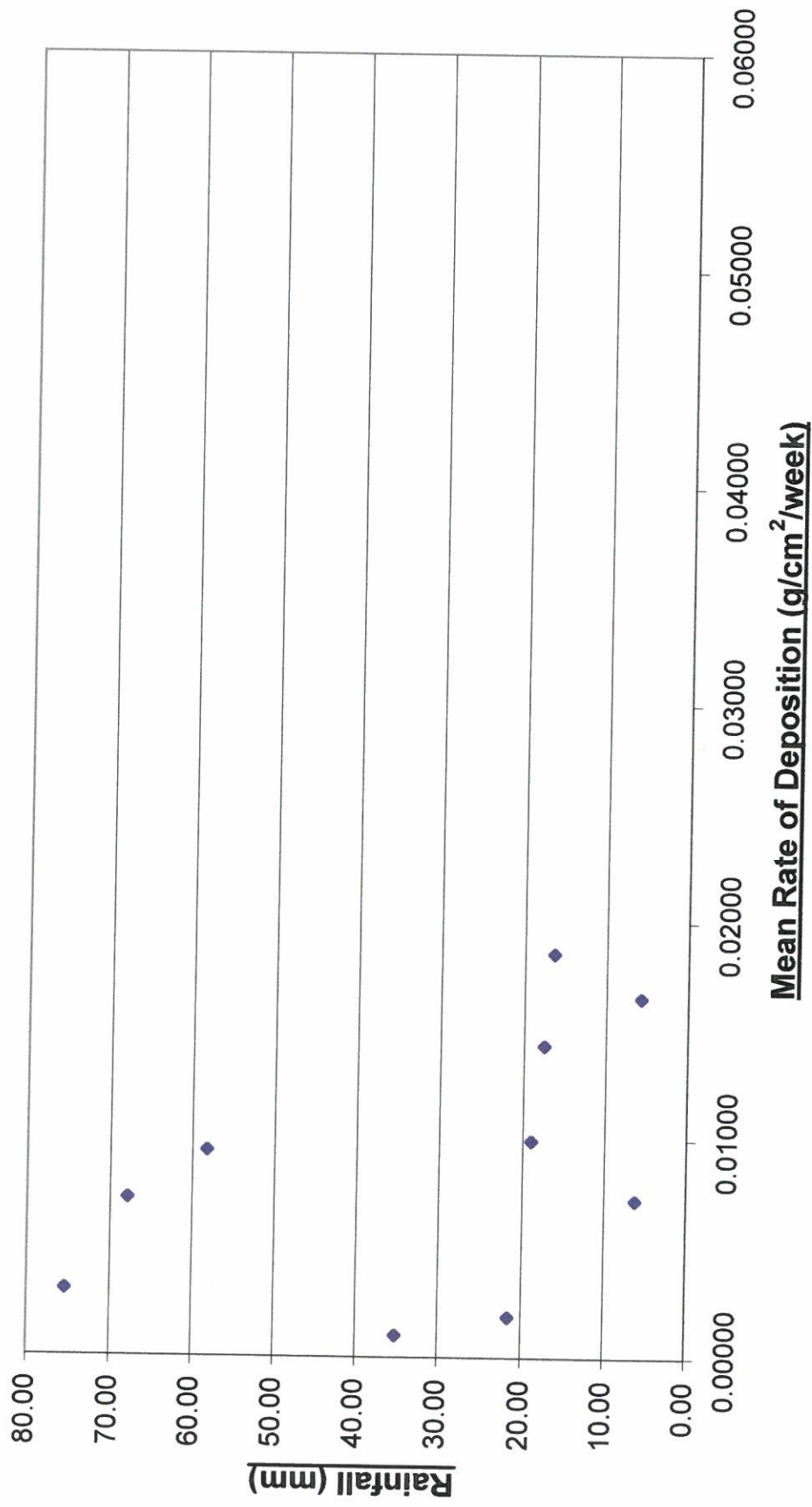
**Appendix 10: Figure O: A Scatter Graph of Mean Temperature Against the Rate of Deposition at Site Fifteen.**



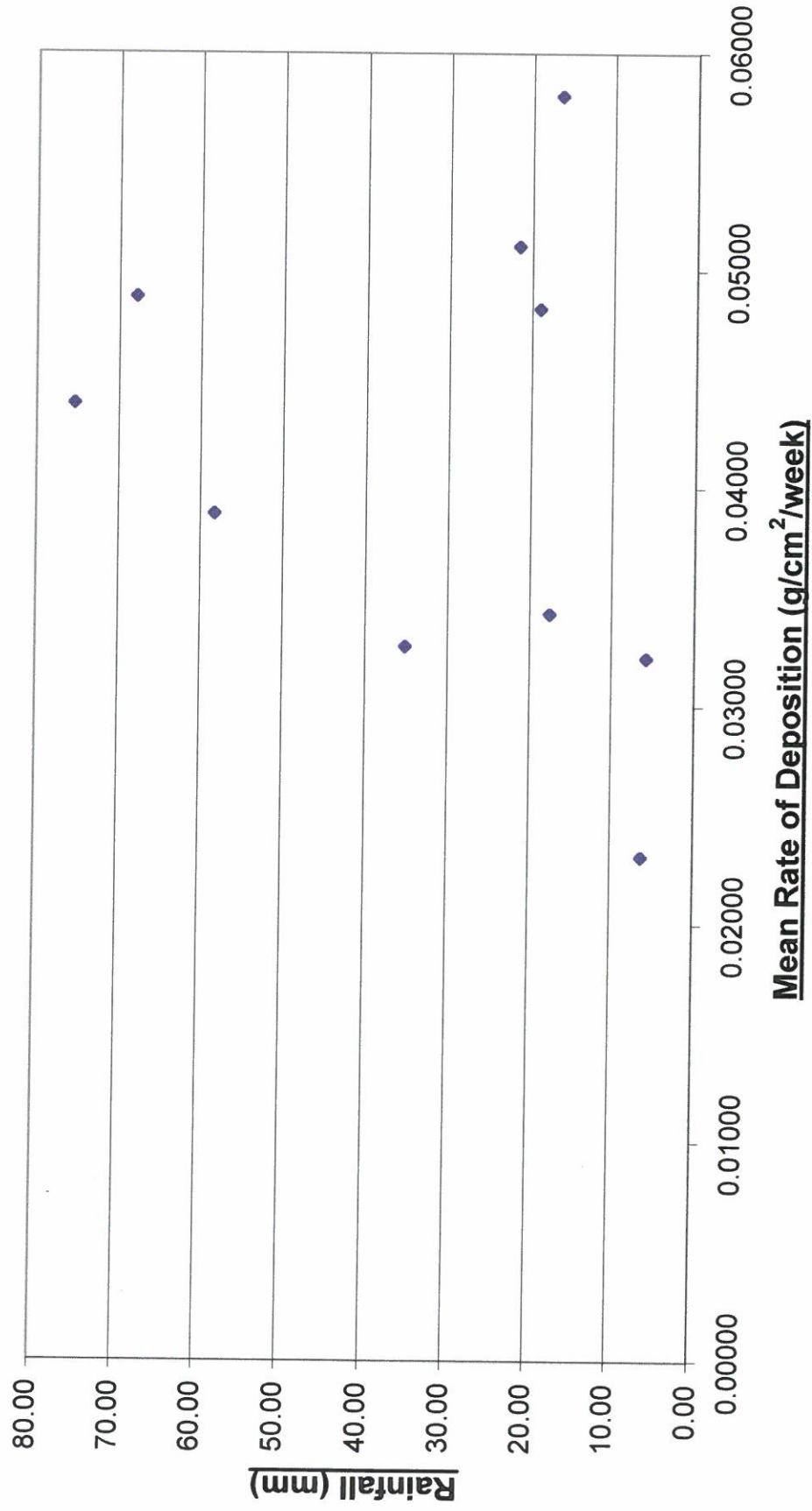
**Appendix 11: Figure A: A Scatter Graph of Rainfall Against the Rate of Deposition at Site One.**



**Appendix 11: Figure B: A Scatter Graph of Rainfall Against the Rate of Deposition at Site Two.**

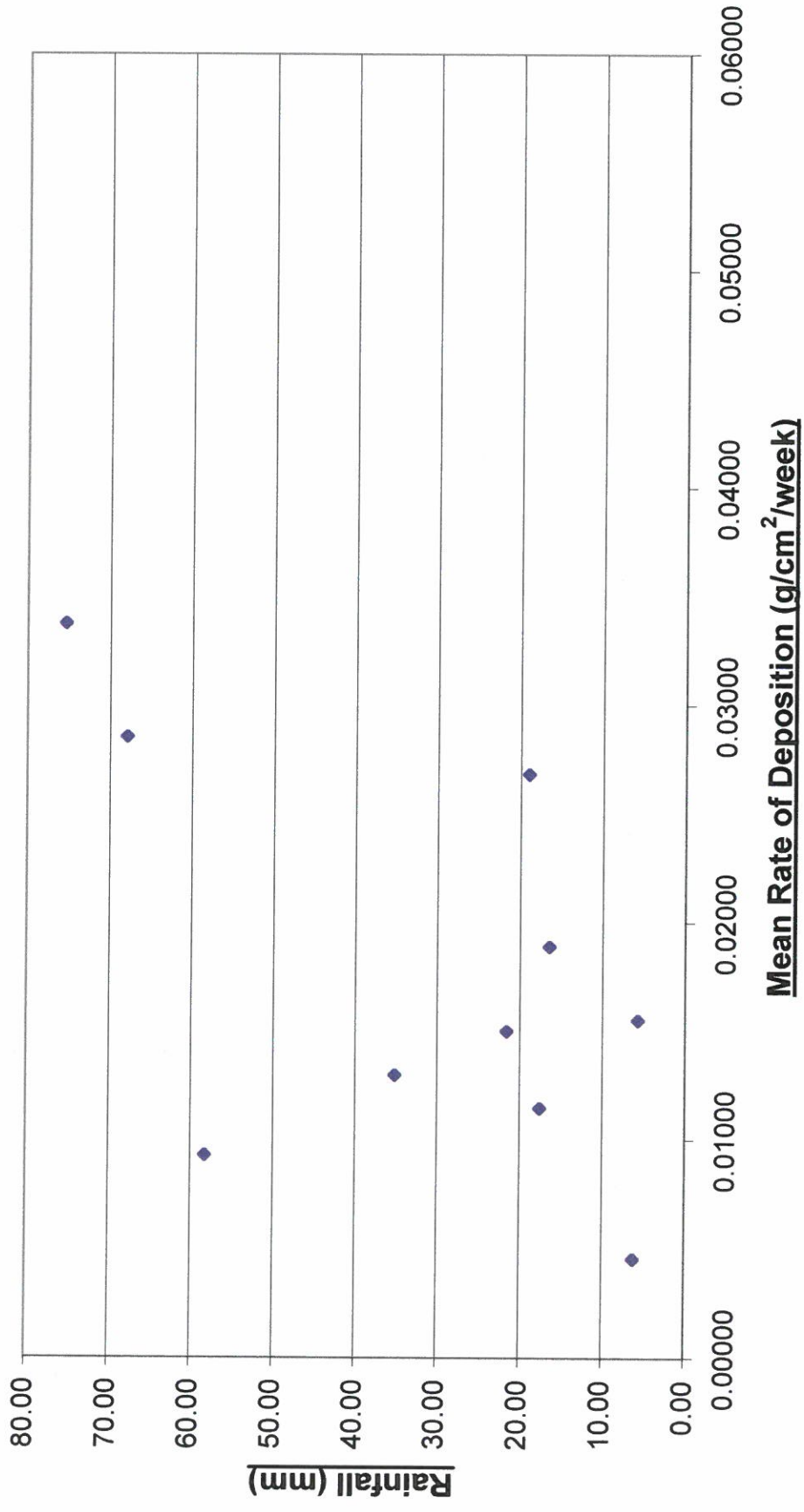


**Appendix 11: Figure C: A Scatter Graph of Rainfall Against the Rate of Deposition at Site Three.**

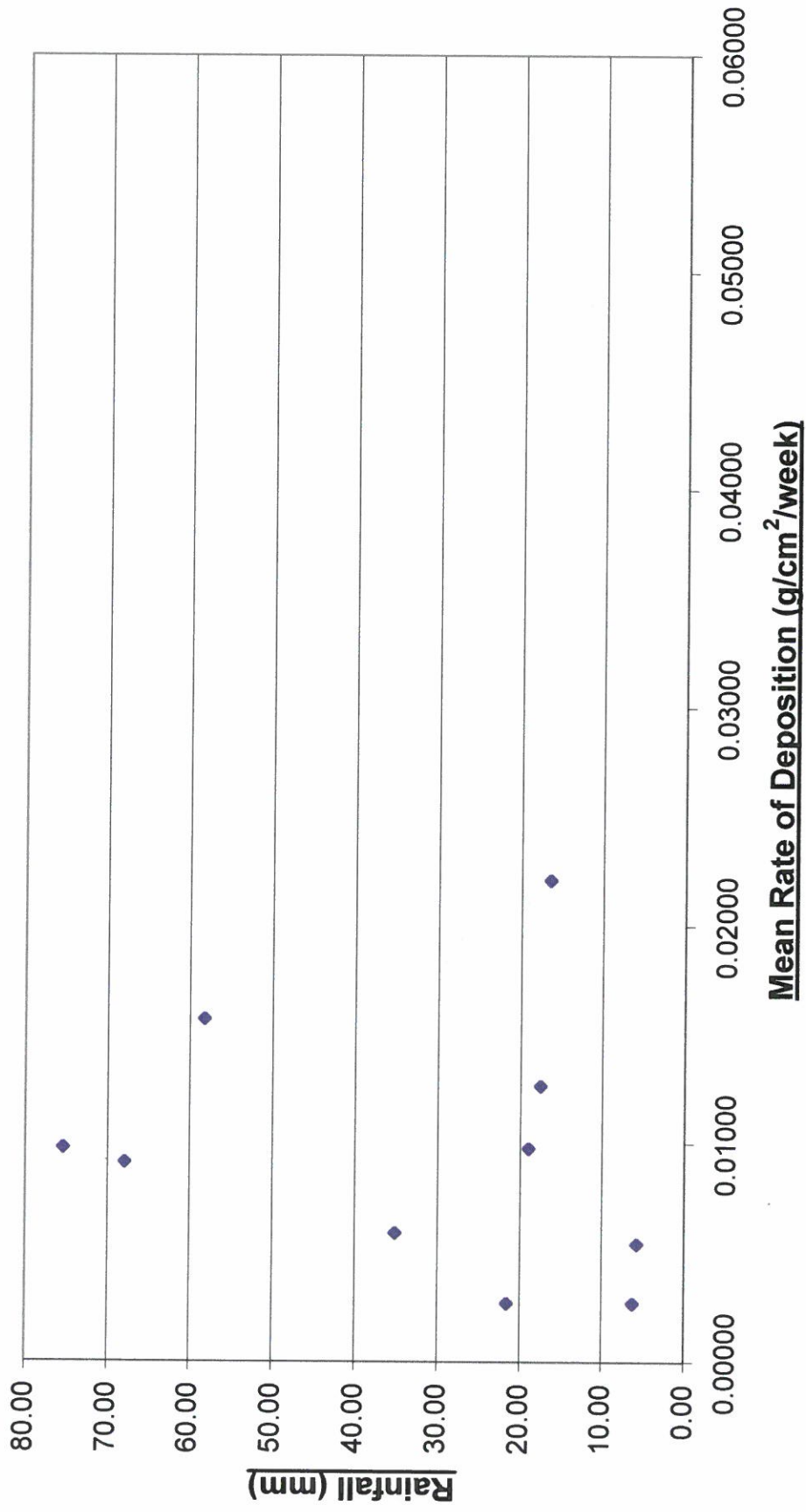




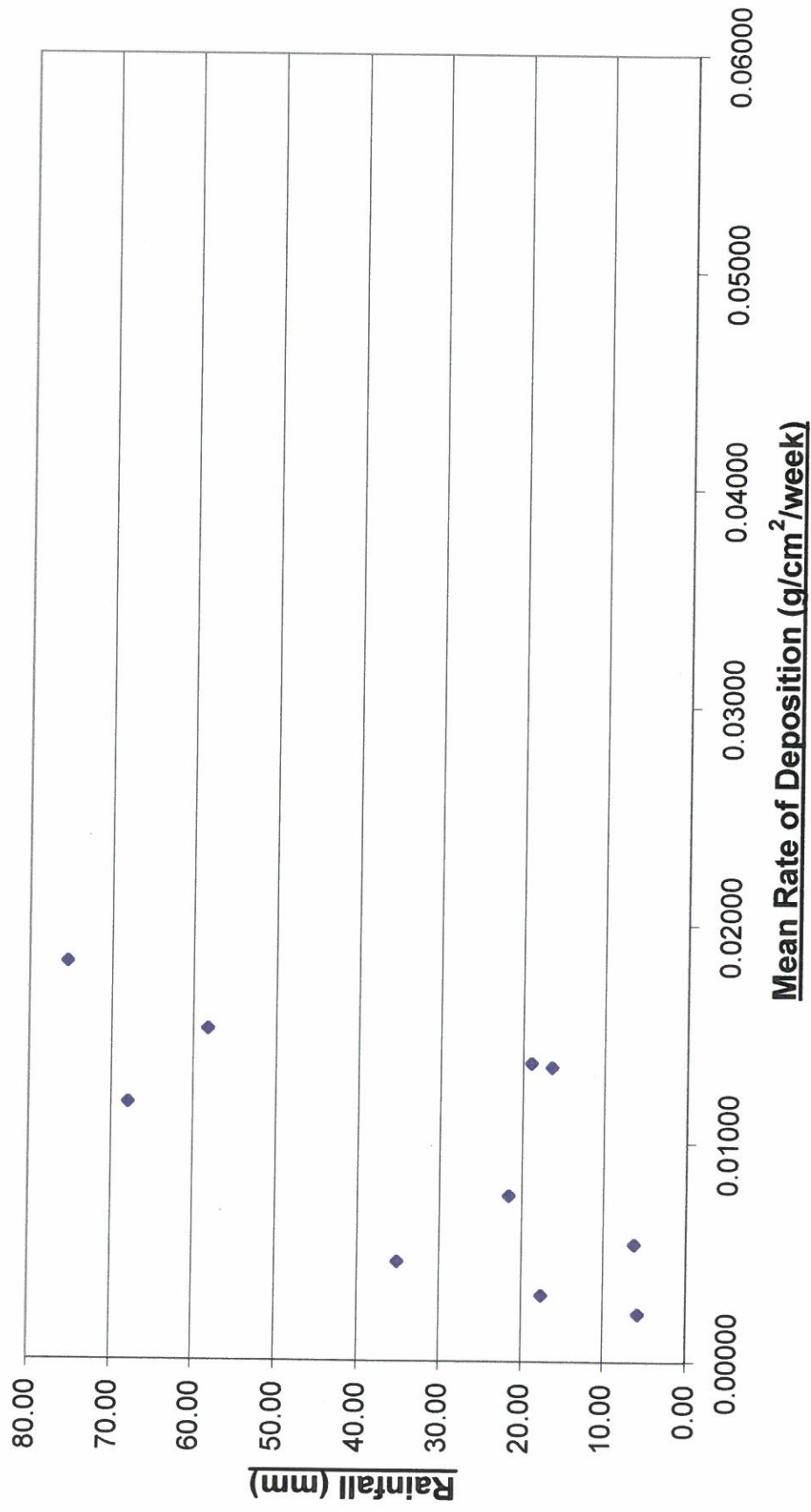
**Appendix 11: Figure D: A Scatter Graph of Rainfall Against the Rate of Deposition at Site Four.**



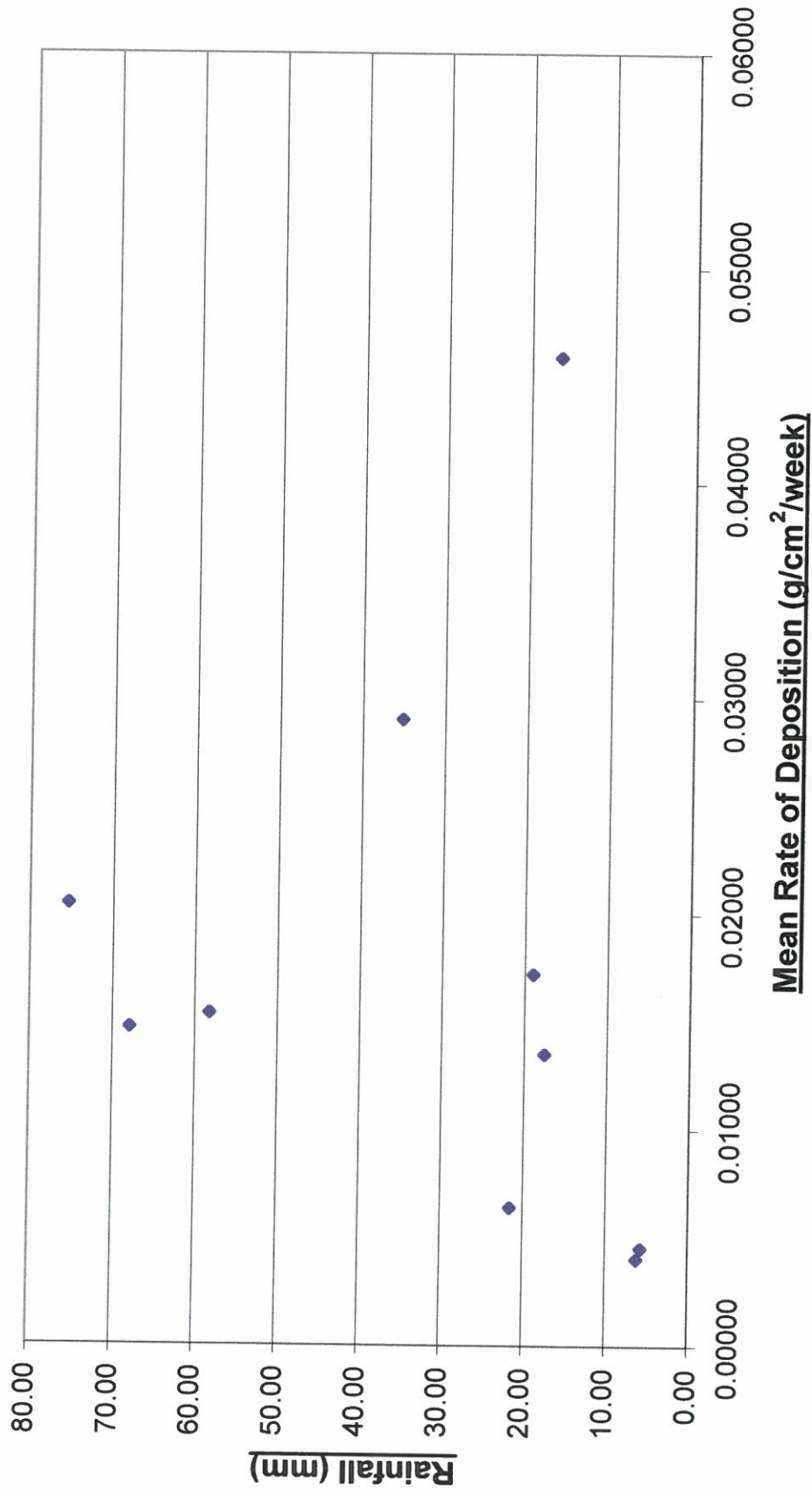
**Appendix 11: Figure E: A Scatter Graph of Rainfall Against the Rate of Deposition at Site Five.**



**Appendix 11: Figure F: A Scatter Graph of Rainfall Against the Rate of Deposition at Site Six.**

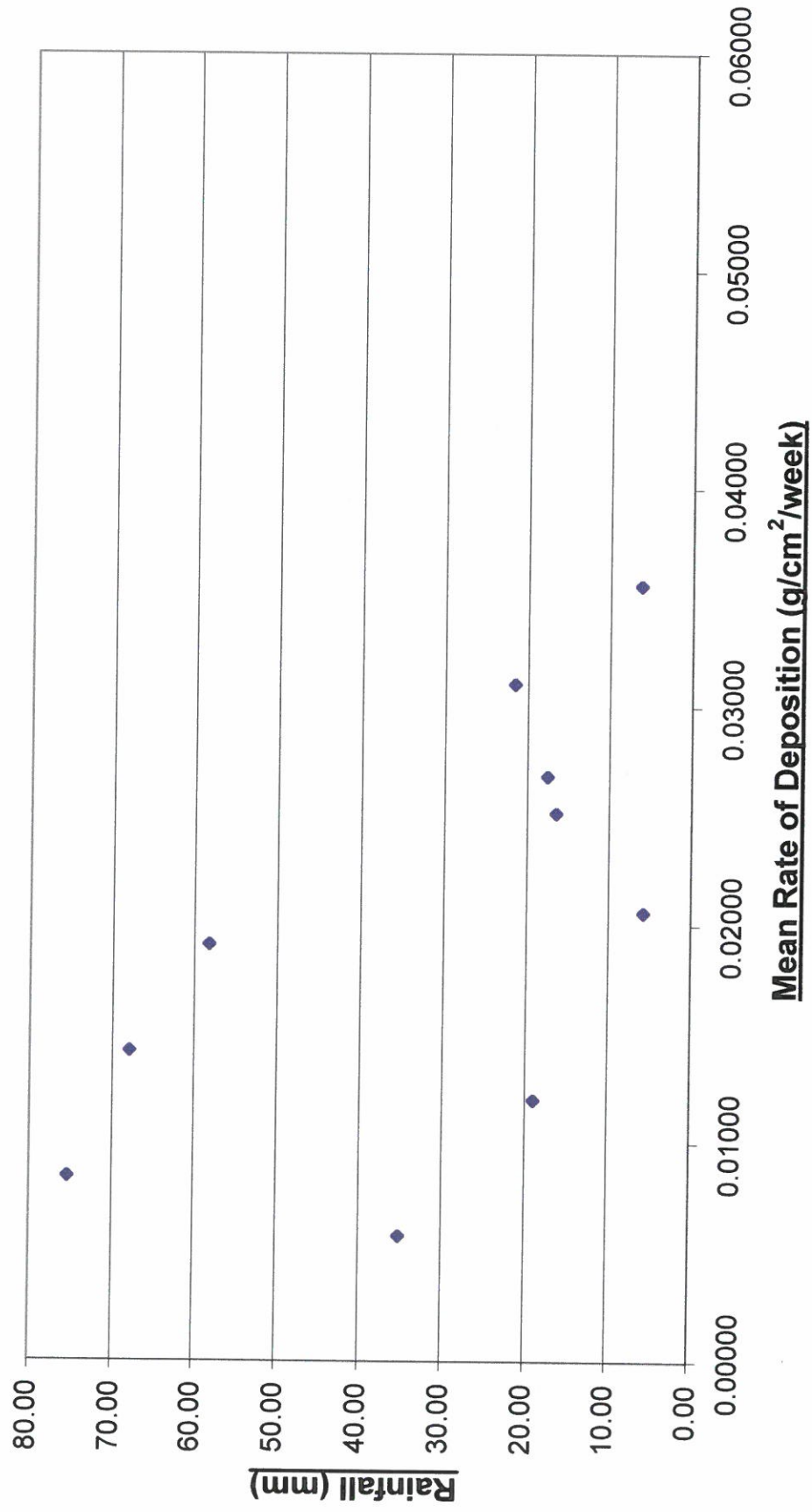


**Appendix 11: Figure G: A Scatter Graph of Rainfall Against the Rate of Deposition at Site Seven.**

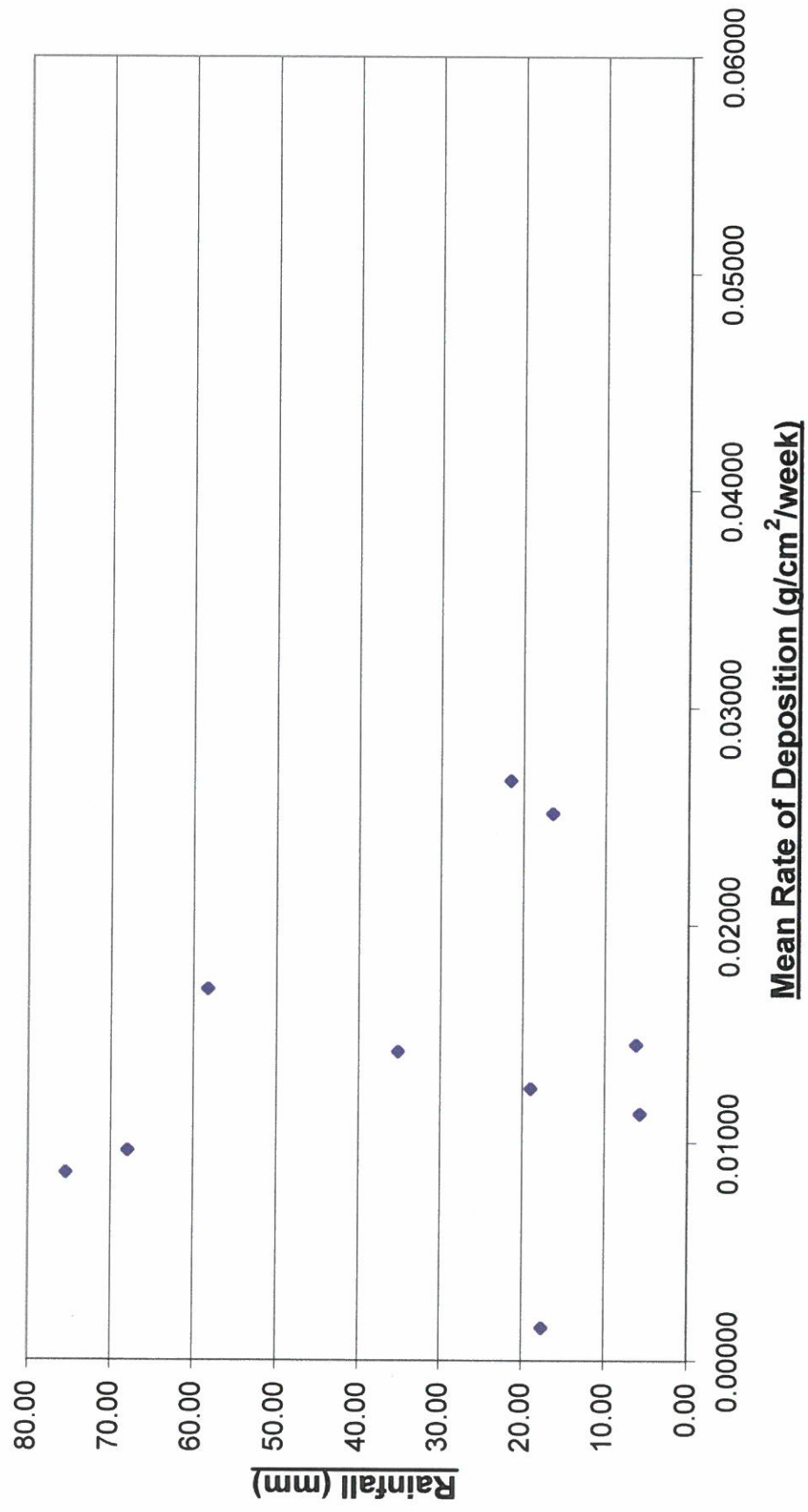




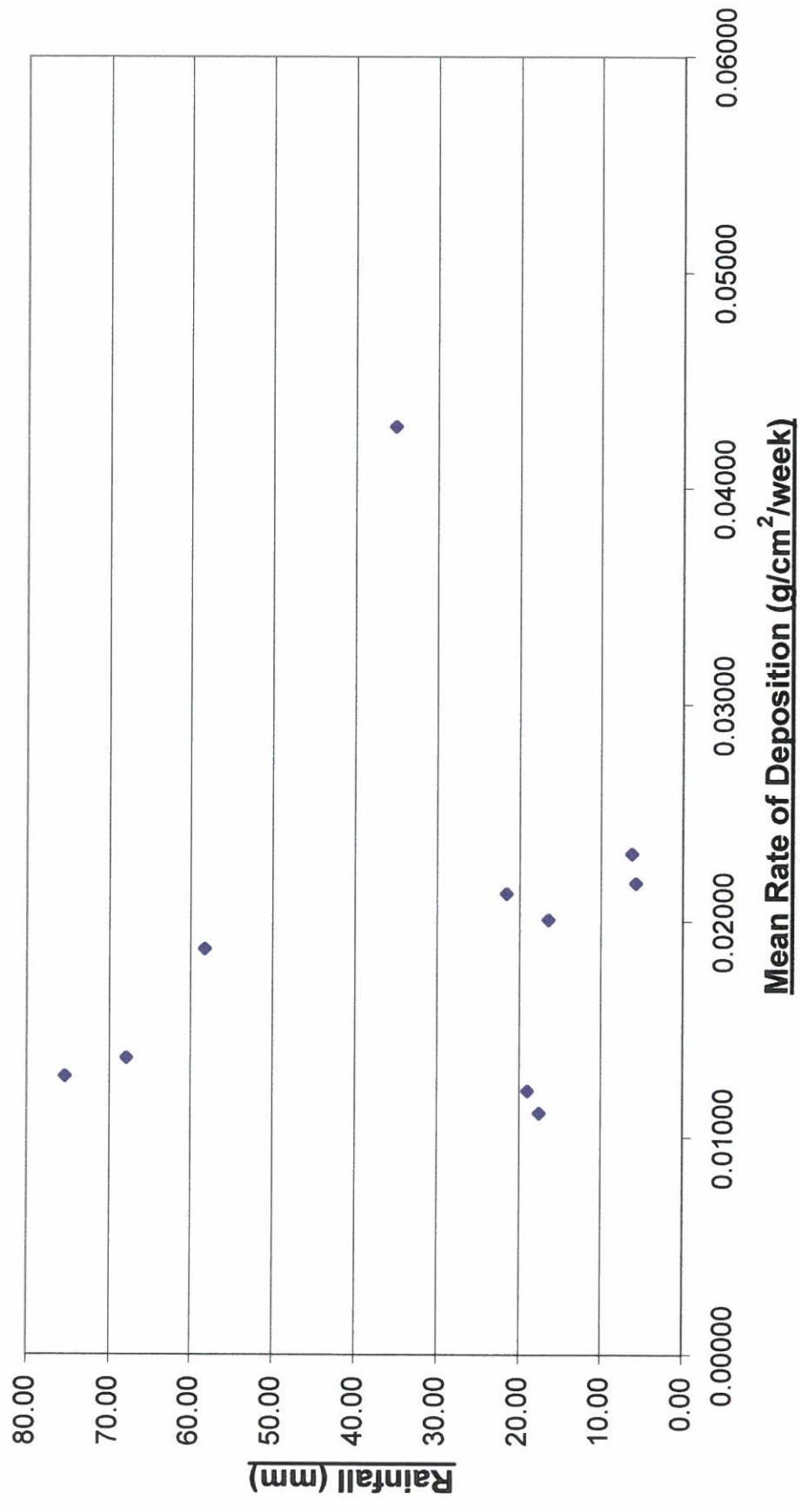
**Appendix 11: Figure H: A Scatter Graph of Rainfall Against the Rate of Deposition at Site Eight.**



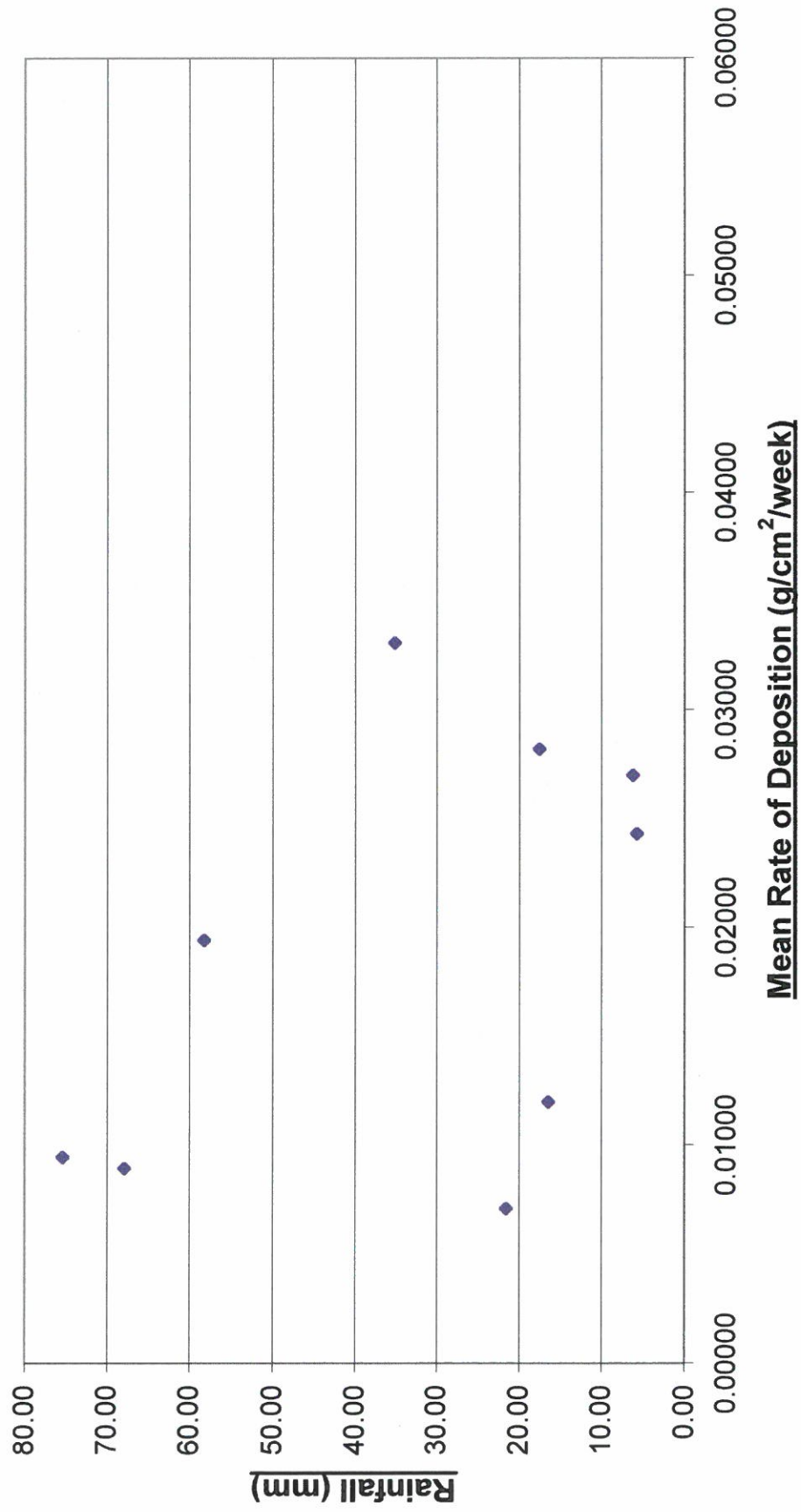
**Appendix 11: Figure I: A Scatter Graph of Rainfall Against the Rate of Deposition at Site Nine.**



**Appendix 11: Figure J: A Scatter Graph of Rainfall Against the Rate of Deposition at Site Ten.**

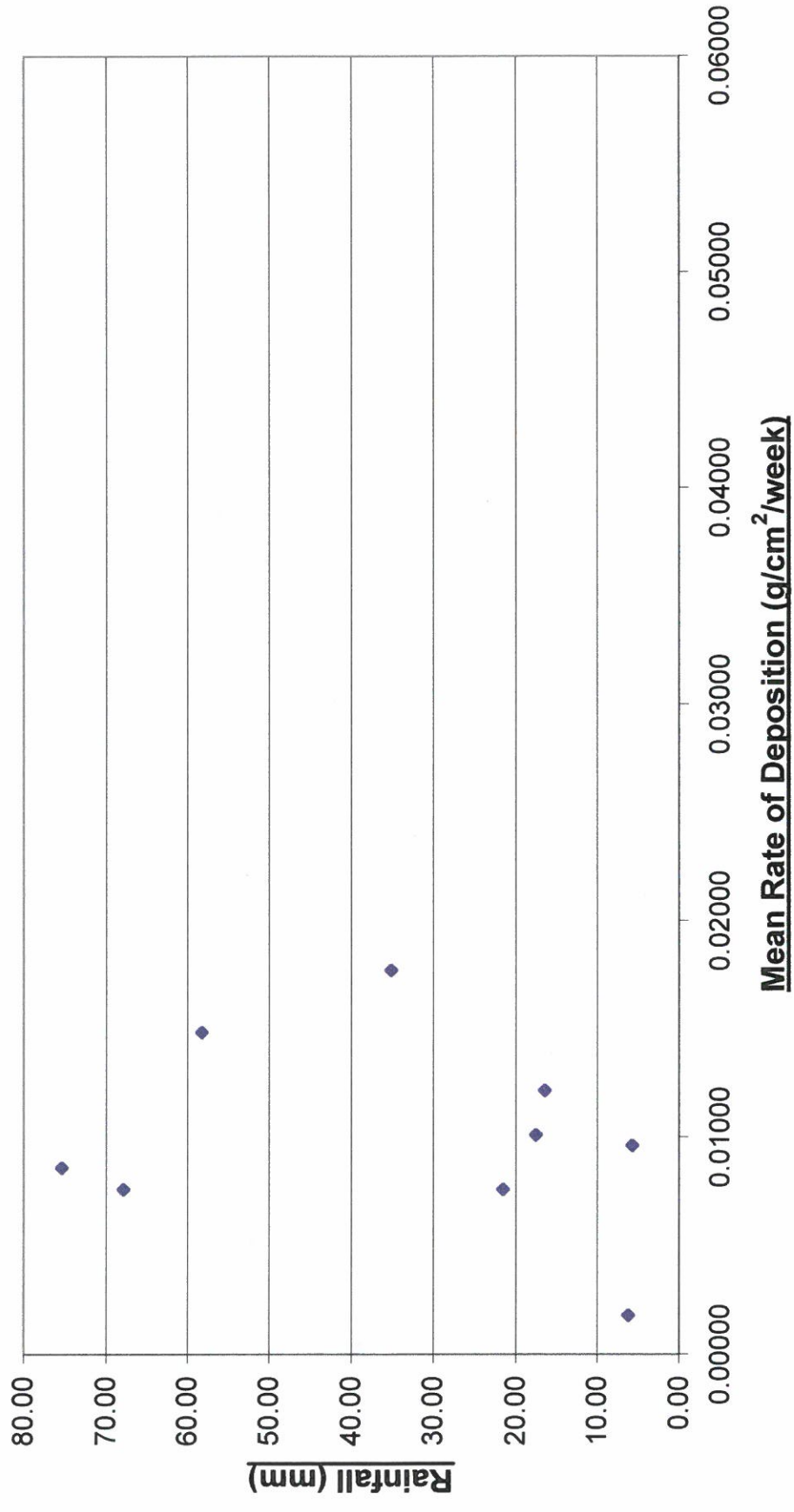


**Appendix 11: Figure K: A Scatter Graph of Rainfall Against the Rate of Deposition at Site Eleven.**

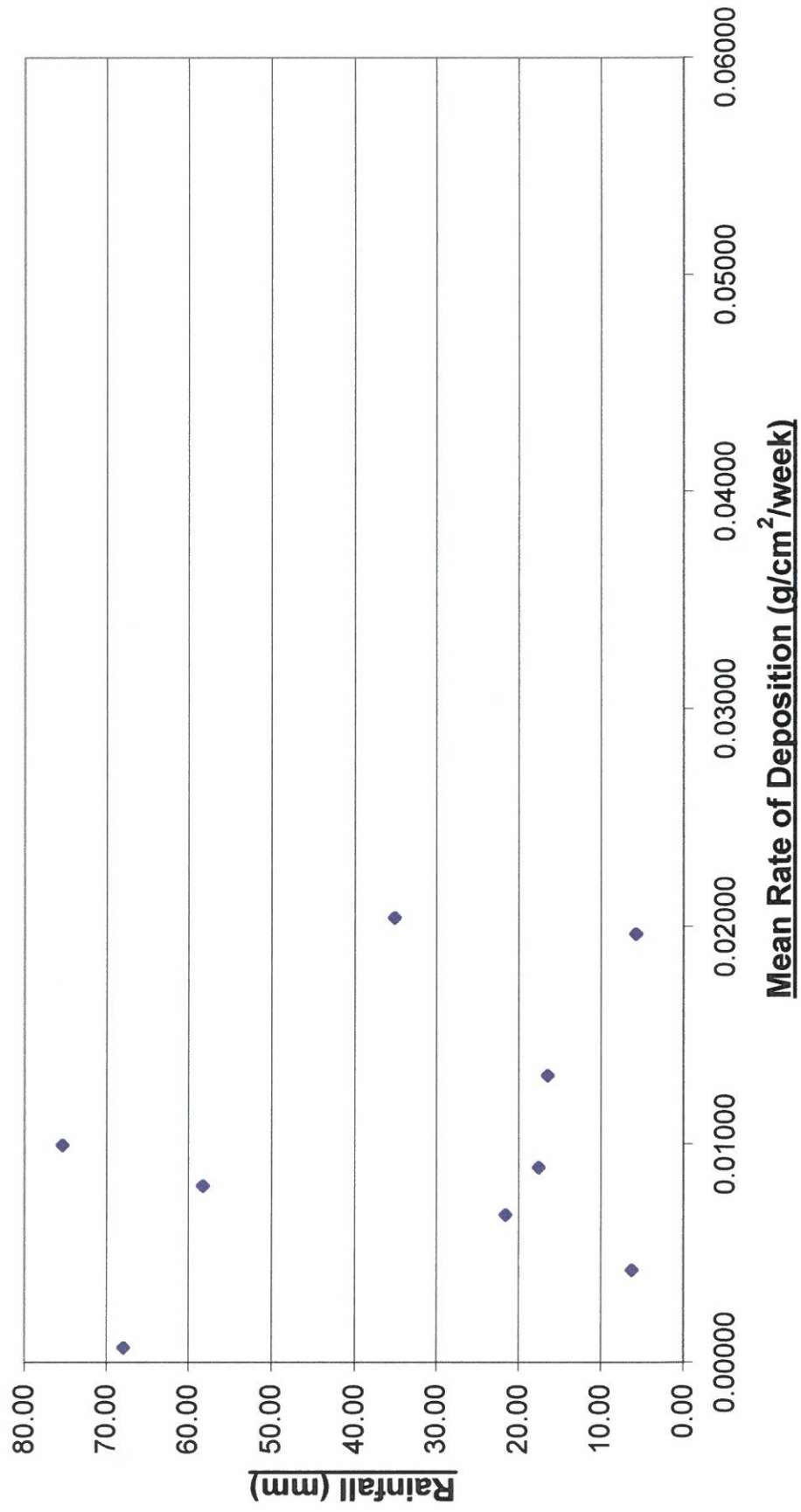




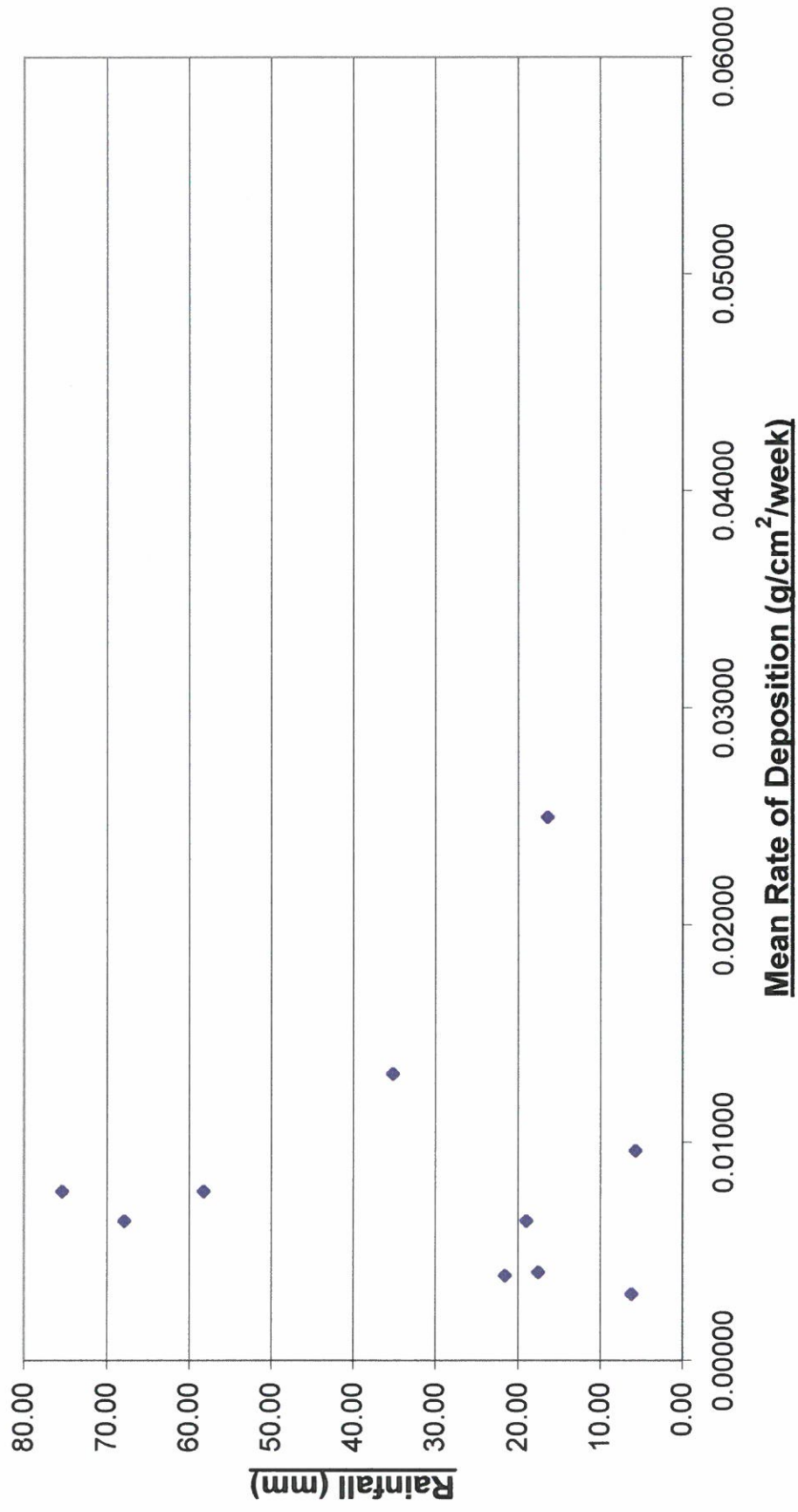
**Appendix 11: Figure L: A Scatter Graph of Rainfall Against the Rate of Deposition at Site Twelve.**



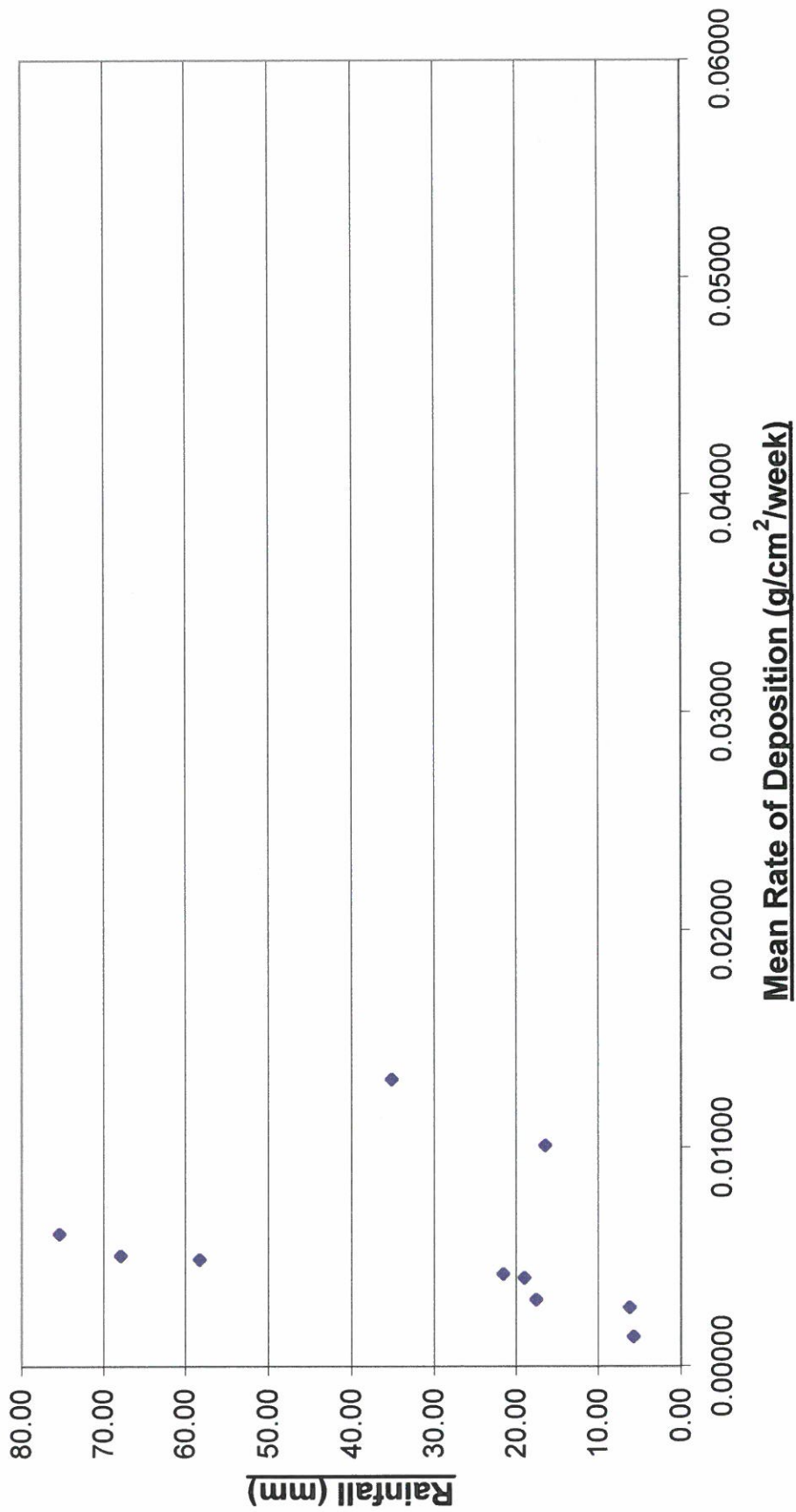
**Appendix 11: Figure M: A Scatter graph of Rainfall Against the Rate of Deposition at Site Thirteen.**



**Appendix 11: Figure N: A Scatter Graph of Rainfall Against the Rate of Deposition at Site Fourteen.**

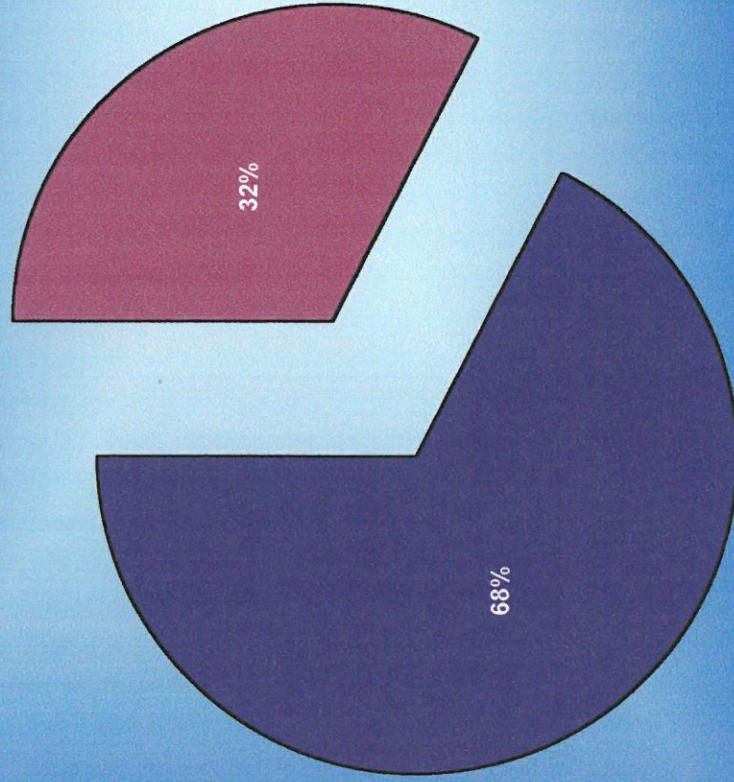


**Appendix 11: Figure O: A Scatter Graph of Rainfall Against the Rate of Deposition at Site Fifteen.**





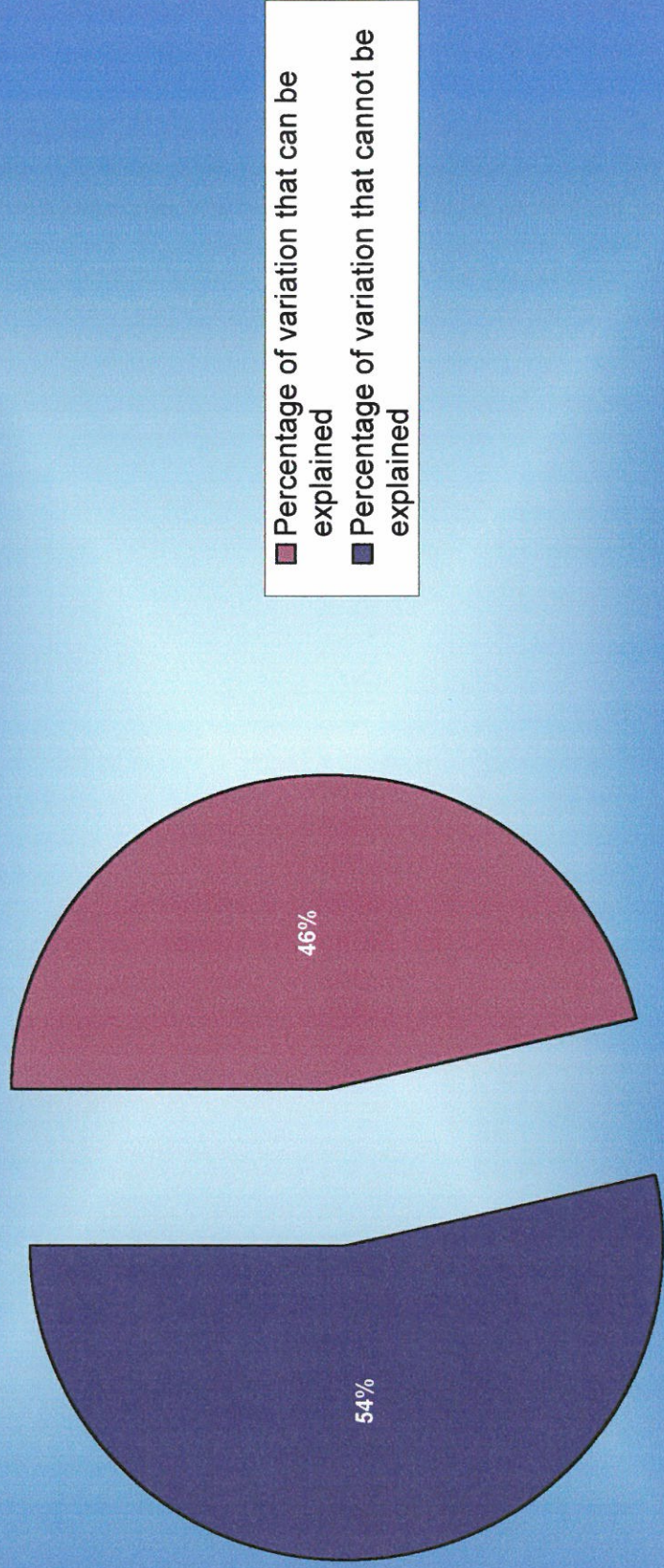
Appendix 12. Figure A7.43: The Percentage of Variation that can be Explained in a Correlation Analysis of Total Rainfall with the Rate of Deposition at Site Four.



■ Percentage of variation that can be explained  
■ Percentage of variation that cannot be explained



Appendix 12. Figure A7.44: The Percentage of Variation that can be Explained in a Correlation Analysis of Total Rainfall with the Rate of Deposition at Site Six.





Mean Deposition (10 weeks) Bulk Density = 2 g/cm<sup>3</sup>

Site No.	g/cm <sup>2</sup> /week	g/cm <sup>2</sup> /yr	cm/yr	cm/10yr	cm/100yr	m/100yr
1	0.005	0.26	0.13	1.32	13.20	0.13
2	0.009	0.46	0.23	2.32	23.20	0.23
3	0.041	2.14	1.07	10.69	106.90	1.07
4	0.018	0.92	0.46	4.60	46.00	0.46
5	0.010	0.50	0.25	2.49	24.90	0.25
6	0.009	0.49	0.25	2.45	24.50	0.25
7	0.017	0.89	0.44	4.45	44.50	0.45
8	0.020	1.03	0.52	5.16	51.60	0.52
9	0.014	0.73	0.36	3.64	36.40	0.36
10	0.020	1.03	0.51	5.14	51.40	0.51
11	0.018	0.93	0.46	4.64	46.40	0.46
12	0.011	0.55	0.28	2.76	27.60	0.28
13	0.011	0.55	0.27	2.73	27.30	0.27
14	0.009	0.45	0.23	2.26	22.60	0.23
15	0.005	0.25	0.12	1.25	12.50	0.13

By Section	Mean Deposition		Area of Section (m <sup>2</sup> )	Deposition		Deposition on Section (Kg) on Section (t)
	g/cm <sup>2</sup>	g/m <sup>2</sup>		on Section (g)	on Section (Kg)	
Section 1: Sites 1, 2, 3	0.018	184	3639	668413	66804	0.668
Section 2: Sites 4, 5, 6	0.012	122	5493	671856	671.9	0.672



Plate A8.02: The location of site five.



Plate A8.03: The location of site six.







