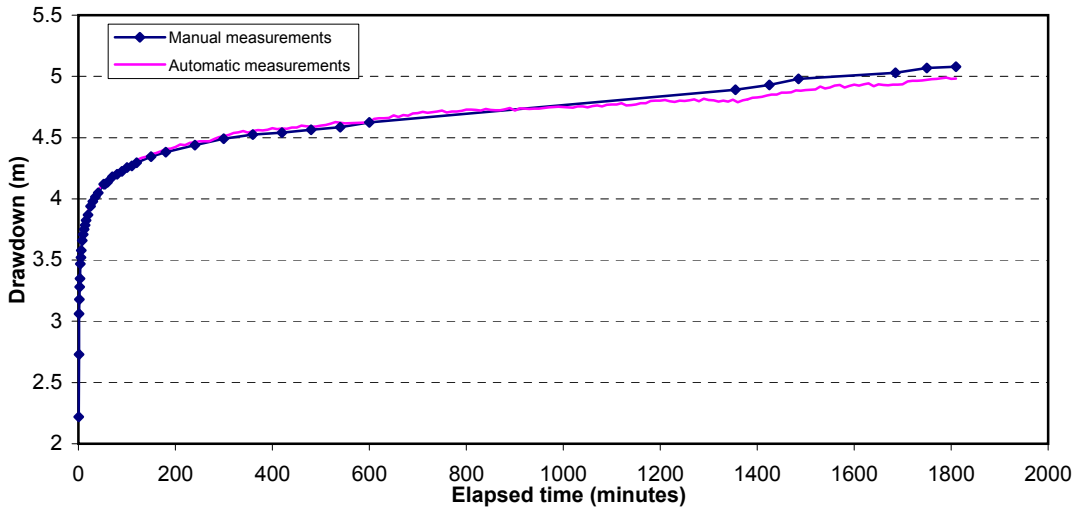
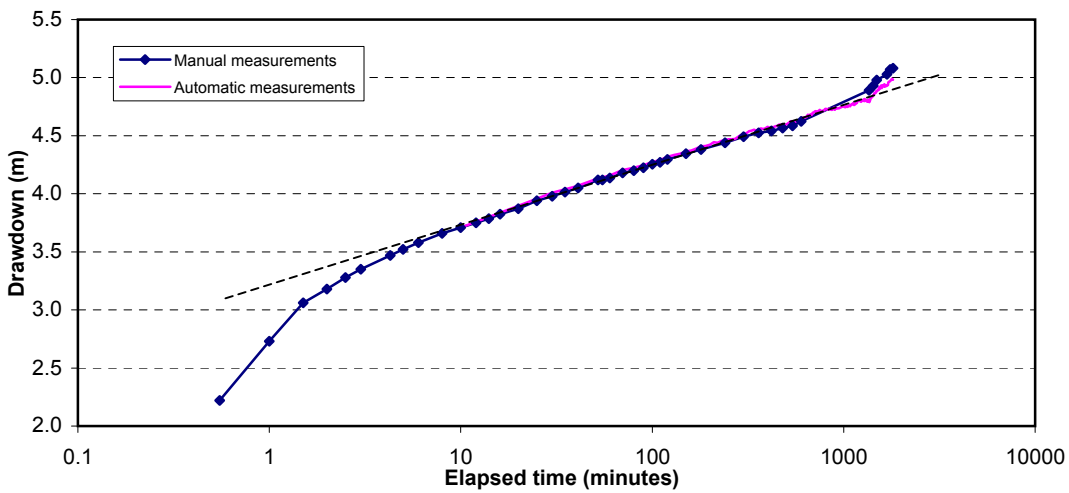


**Constant Discharge Aquifer Test  
Pumping Bore: Antonio**



Time (min)	Draw-down (m)
0	0
0.55	3.66
1	4.17
1.5	4.5
2	4.62
2.5	4.72
3	4.79
4.28	4.91
5	4.96
6	5.02
8	5.1
10	5.15
12	5.19
14	5.225
16	5.265
20	5.31
25	5.38
30	5.42
35	5.455
41	5.49
52	5.56
55	5.56
60	5.575
70	5.62
80	5.64
90	5.665
100	5.695
110	5.71
120	5.735
150	5.785
180	5.82
240	5.88
300	5.93
360	5.965
420	5.98
480	6.005
540	6.025
600	6.065
1355	6.33
1425	6.37
1485	6.42
1685	6.47
1750	6.51
1810	6.52

**Figure D-1. Time-Drawdown Plot for Antonio Pumping Bore.**



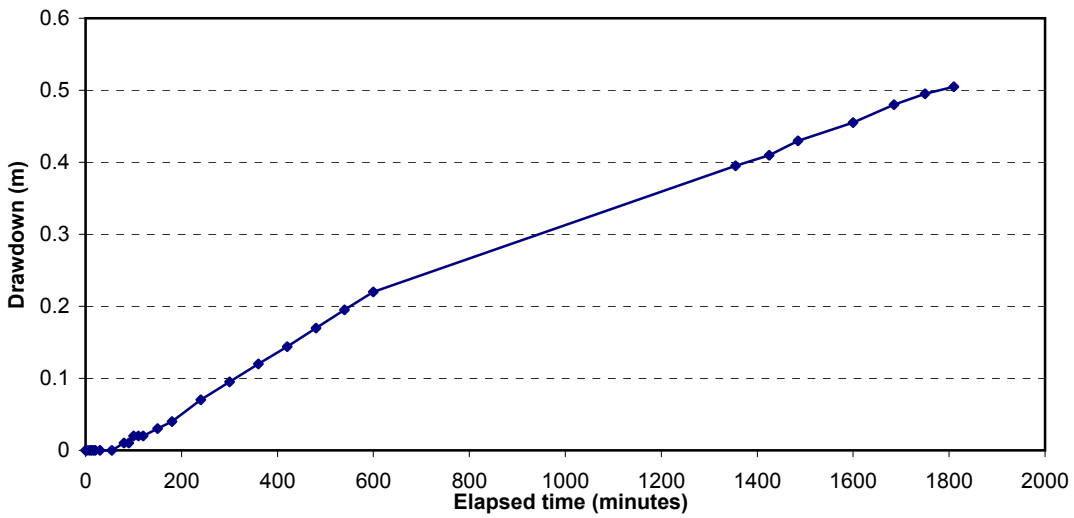
**Figure D-2. Jacob Plot for Antonio Pumping Bore.**

$$T = 2.3Q/4\pi\Delta s$$

$$K = T/D$$

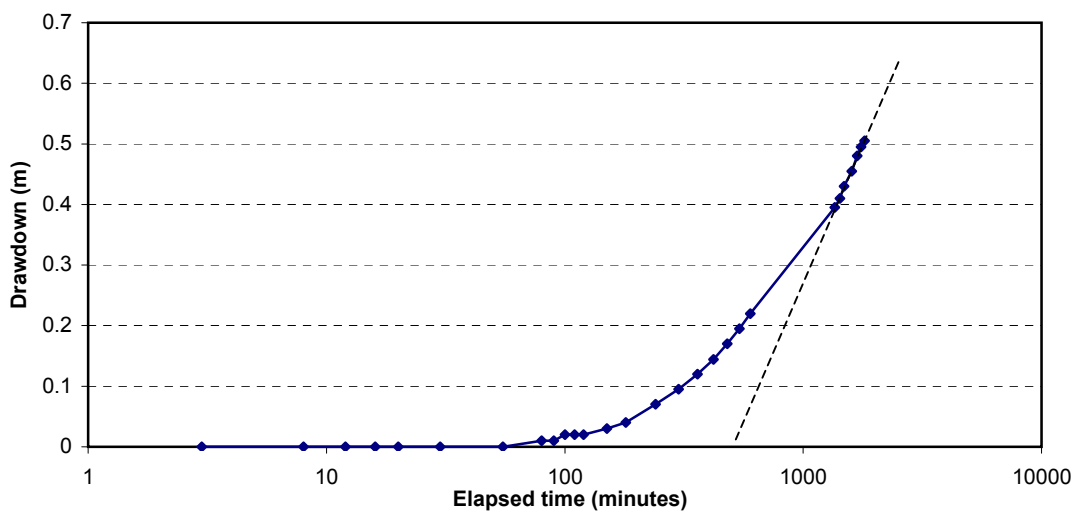
$Q = 86.4 \text{ m}^3/\text{day}$   
 $\Delta s = 0.545 \text{ log cycle}$   
 $T = 29.0 \text{ m}^2/\text{day}$   
 $D = 3.0 \text{ m}$   
 $K = 9.7 \text{ m/day}$

**Constant Discharge Aquifer Test  
Pumping Bore: Antonio**



Time (min)	Draw-down (m)
0	0
3	0
8	0
12	0
16	0
20	0
30	0
55	0
80	0.01
90	0.01
100	0.02
110	0.02
120	0.02
150	0.03
180	0.04
240	0.07
300	0.095
360	0.12
420	0.144
480	0.17
540	0.195
600	0.22
1355	0.395
1425	0.41
1485	0.43
1600	0.455
1685	0.48
1750	0.495
1810	0.505

**Figure D-3. Time-Drawdown Plot for Antonio Observation Bore.**



**Figure D-4. Jacob Plot for Antonio Observation Bore.**

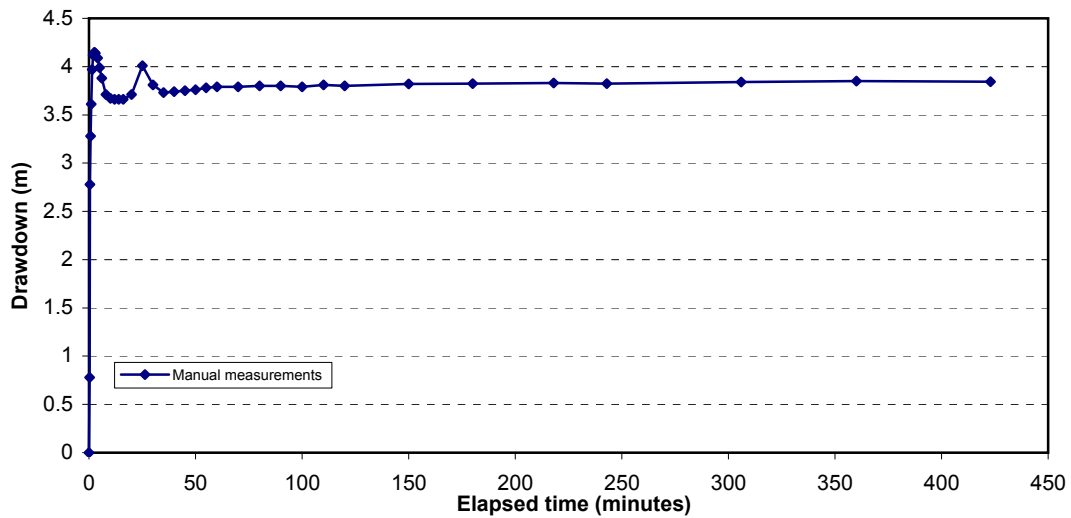
$$T = 2.3Q/4\pi\Delta s$$

$$K = T/D$$

$$S = 2.25Tt_0/r^2$$

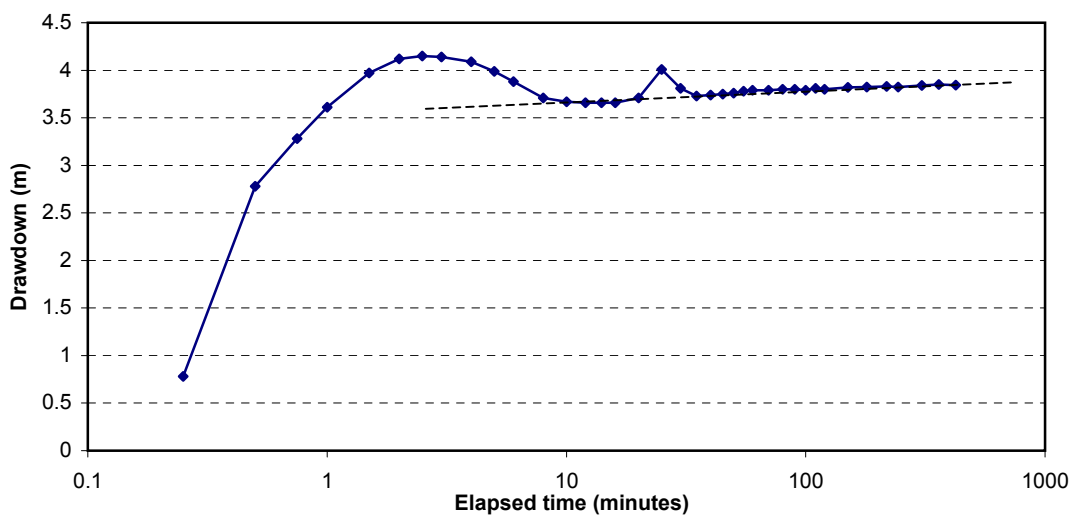
$Q = 86.4 \text{ m}^3/\text{day}$   
 $\Delta s = 0.88 \text{ log cycle}$   
 $T = 18.0 \text{ m}^2/\text{day}$   
 $D = 3.0 \text{ m}$   
 $K = 6.0 \text{ m/day}$   
 $S = 0.1376$

**Constant Discharge Aquifer Test  
Pumping Bore: Flood**



Time (min)	Draw-down (m)
0	0
0.25	0.78
0.5	2.78
0.75	3.28
1	3.61
1.5	3.97
2	4.12
2.5	4.15
3	4.14
4	4.09
5	3.99
6	3.88
8	3.71
10	3.67
12	3.66
14	3.66
16	3.66
20	3.71
25	4.01
30	3.81
35	3.73
40	3.74
45	3.75
50	3.76
55	3.78
60	3.79
70	3.79
80	3.8
90	3.8
100	3.79
110	3.81
120	3.8
150	3.82
180	3.825
218	3.83
243	3.825
306	3.84
360	3.85
423	3.845

**Figure D-5. Time-Drawdown Plot for Flood Pumping Bore.**



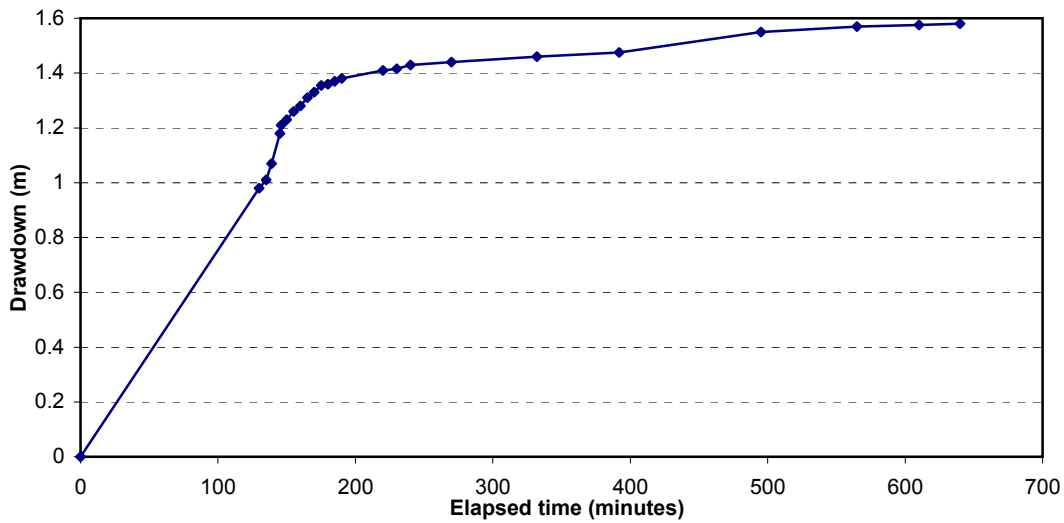
**Figure D-6. Jacob Plot for Flood Pumping Bore.**

$$T = 2.3Q/4\pi\Delta s$$

$$K = T/D$$

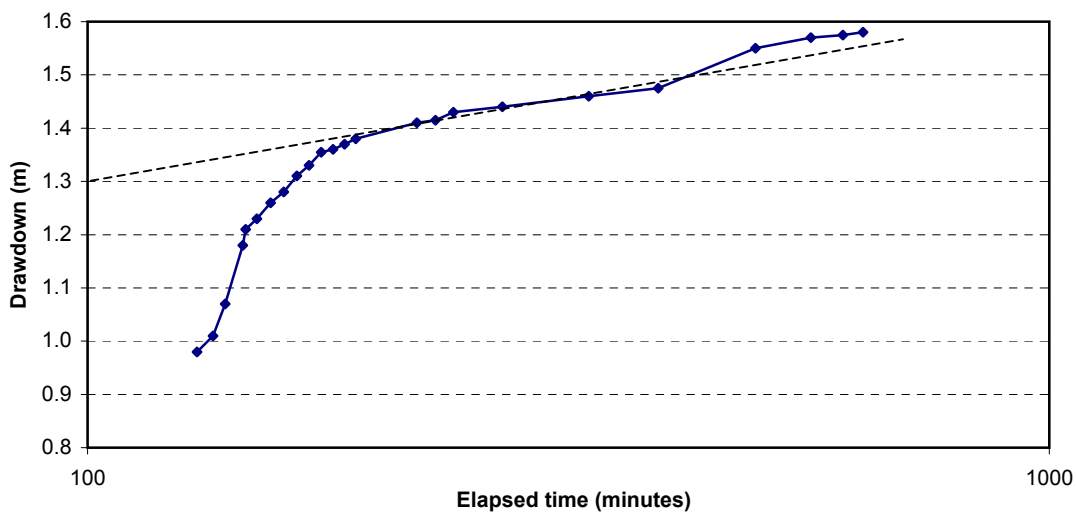
$Q = 86.4 \text{ m}^3/\text{day}$   
 $\Delta s = 0.12 \text{ log cycle}$   
 $T = 131.8 \text{ m}^2/\text{day}$   
 $D = 6.0 \text{ m}$   
 $K = 22.0 \text{ m/day}$

**Constant Discharge Aquifer Test  
Pumping Bore: Wallace**



Time (min)	Draw-down (m)
0	0
130	0.98
135	1.01
139	1.07
145	1.18
146	1.21
150	1.23
155	1.26
160	1.28
165	1.31
170	1.33
175	1.355
180	1.36
185	1.37
190	1.38
220	1.41
230	1.415
240	1.43
270	1.44
332	1.46
392	1.475
495	1.55
565	1.57
610	1.575
640	1.58

**Figure D-7. Time-Drawdown Plot for Wallace Pumping Bore.**



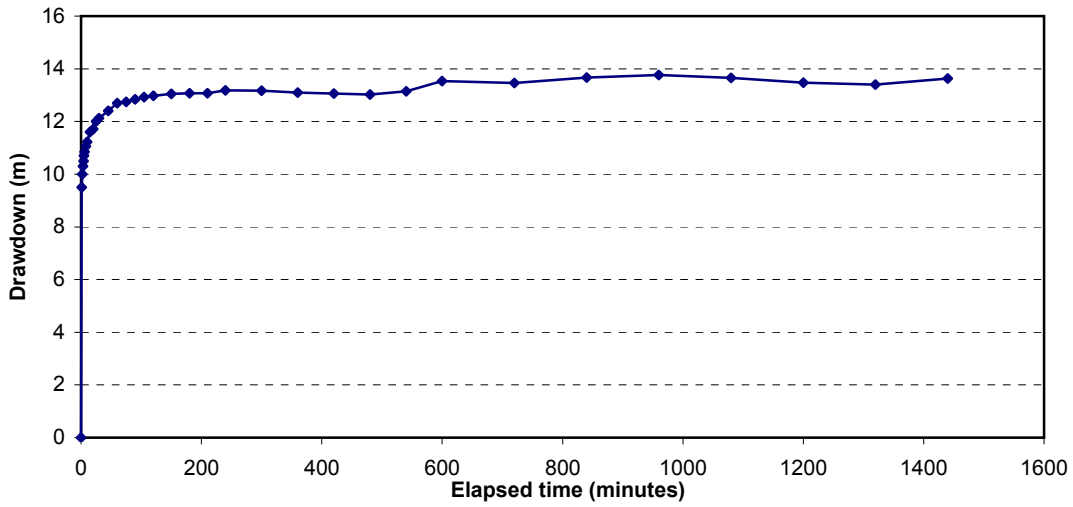
**Figure D-8. Jacob Plot for Wallace Pumping Bore.**

$$T = 2.3Q/4\pi\Delta s$$

$$K = T/D$$

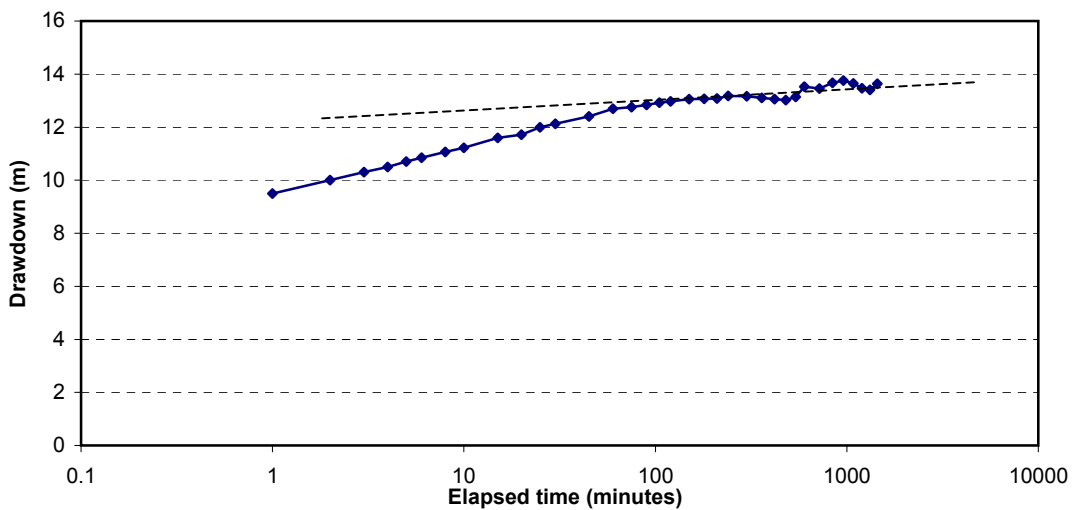
$Q = 24.2 \text{ m}^3/\text{day}$   
 $\Delta s = 0.32 \text{ log cycle}$   
 $T = 13.8 \text{ m}^2/\text{day}$   
 $D = 3.0 \text{ m (estimated)}$   
 $K = 4.6 \text{ m/day}$

**Constant Discharge Aquifer Test**  
**Pumping Bore: Town Supply Bore 2A (Cook Costello Ltd, 1987)**



Time (min)	Draw-down (m)
0	0
1	9.5
2	10
3	10.3
4	10.5
5	10.705
6	10.85
8	11.06
10	11.22
15	11.6
20	11.715
25	12
30	12.13
45	12.4
60	12.695
75	12.75
90	12.84
105	12.925
120	12.97
150	13.05
180	13.07
210	13.075
240	13.18
300	13.17
360	13.1
420	13.06
480	13.02
540	13.14
600	13.53
720	13.46
840	13.67
960	13.76
1080	13.65
1200	13.47
1320	13.4
1440	13.63

**Figure D-9. Time-Drawdown Plot for Town Supply Bore 2A.**



**Figure D-10. Jacob Plot for Town Supply Bore 2A.**

$$T = 2.3Q/4\pi\Delta s$$

$$K = T/D$$

$Q = 300 \text{ m}^3/\text{day}$   
 $\Delta s = 0.5 \text{ log cycle}$   
 $T = 109.8 \text{ m}^2/\text{day}$   
 $D = 6.0 \text{ m}$   
 $K = 18.3 \text{ m/day}$

### Constant Discharge Aquifer Test - Water Quality

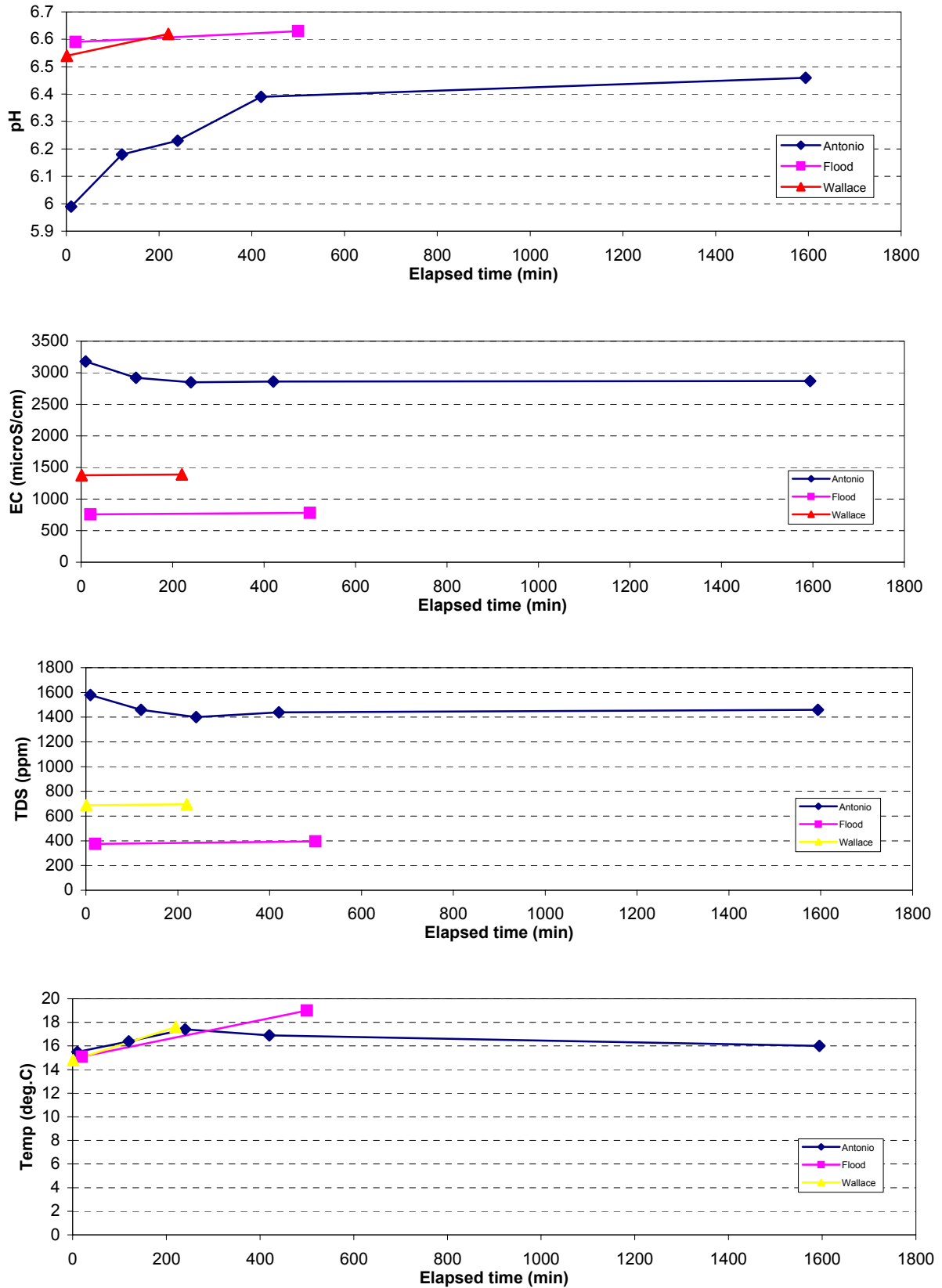


Figure D-11. Water Quality Results Monitored During Aquifer Test Pumping.