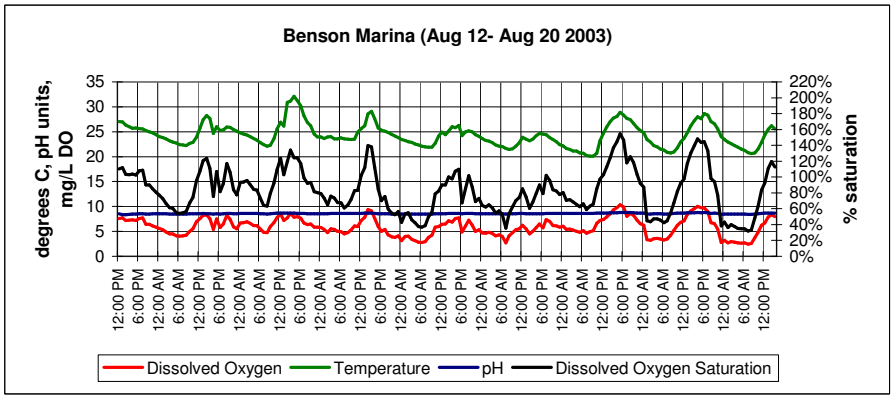
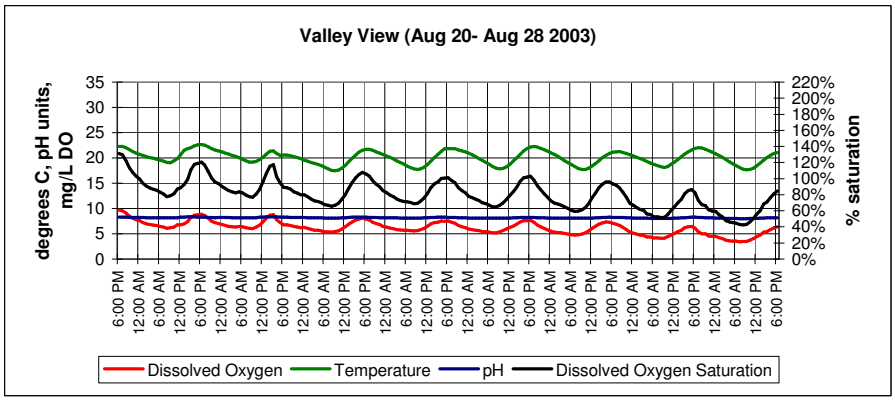
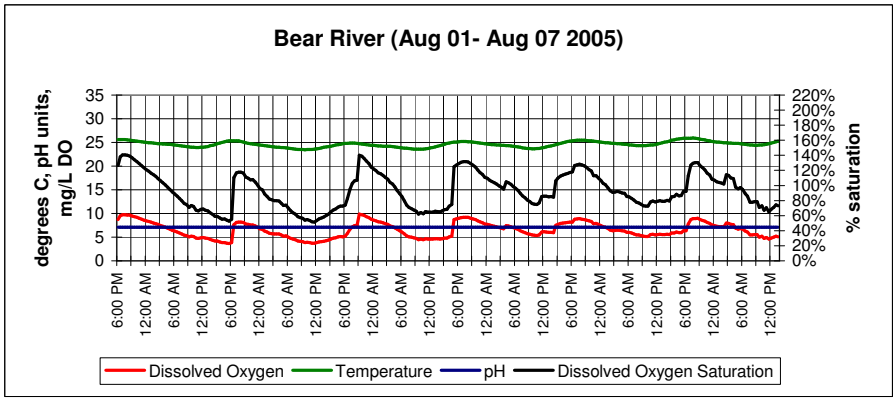
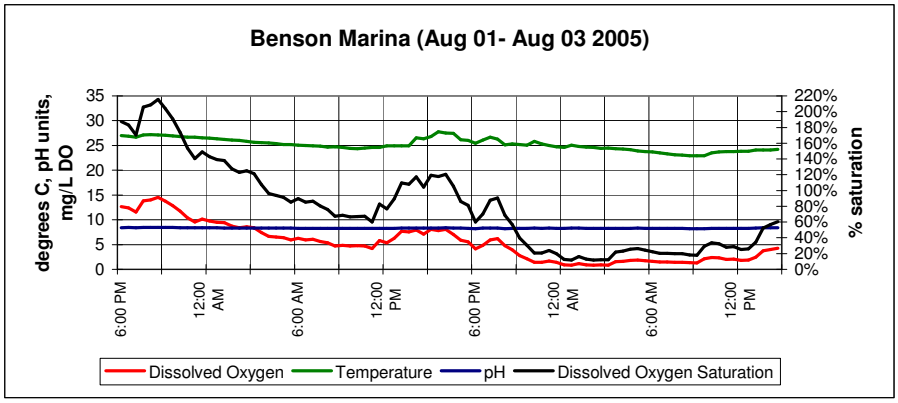
Appendix C. Diurnal Data Collected in Cutler Reservoir (2005–2007)

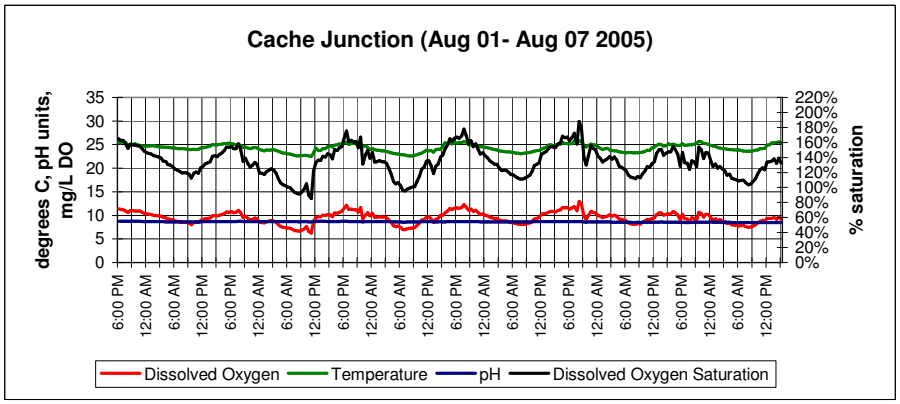
Appendix C. Diurnal Data Collected in Cutler Reservoir (2005 – 2007)

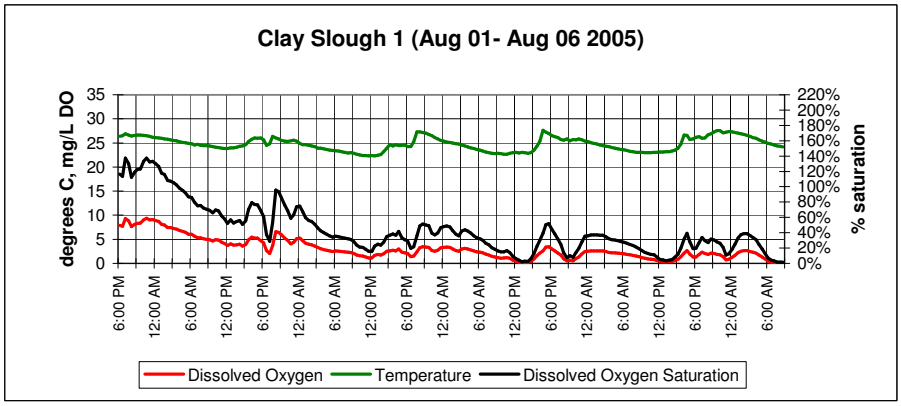


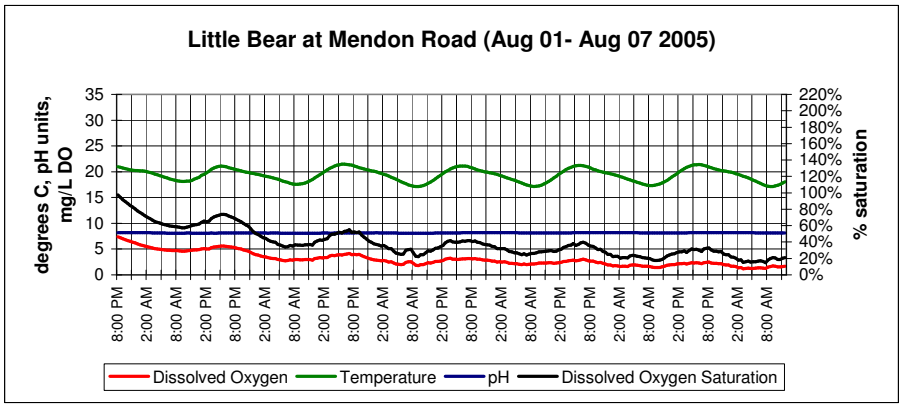


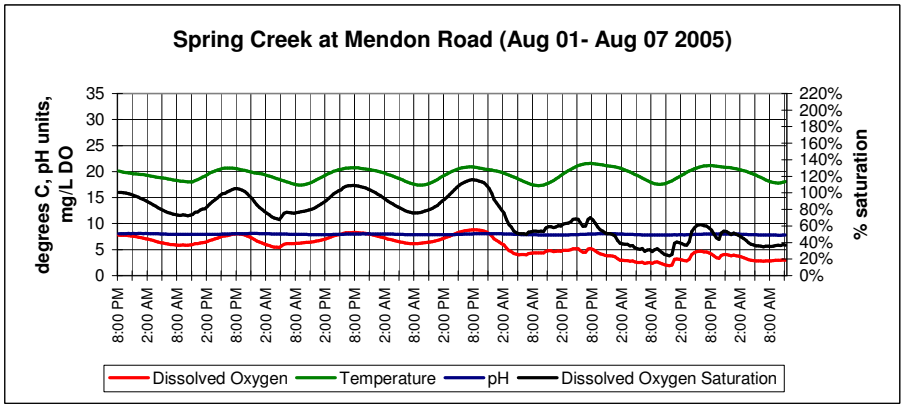


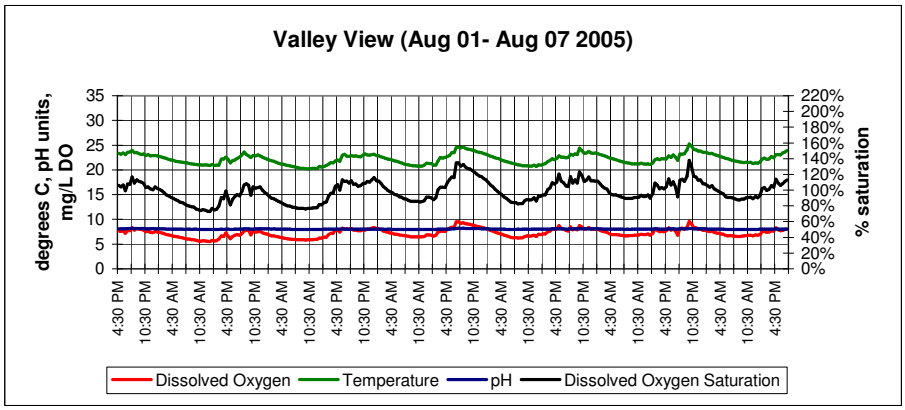

Benson Marina (Aug 01- Aug 03 2005)
degrees C, pH units, mg/L DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
6:00 PM
12:00 AM
6:00 AM
12:00 PM
6:00 PM
12:00 AM
6:00 AM
12:00 PM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

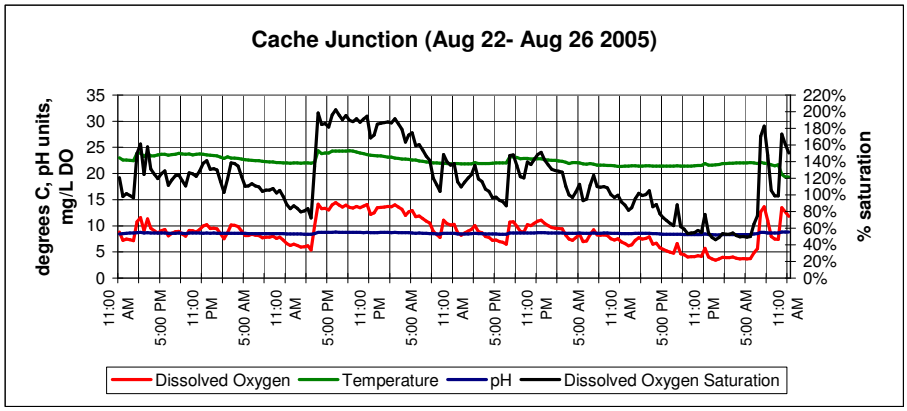

Cache Junction (Aug 01- Aug 07 2005)
degrees C, pH units, mg/L DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
6:00 PM
12:00 AM
6:00 AM
12:00 PM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

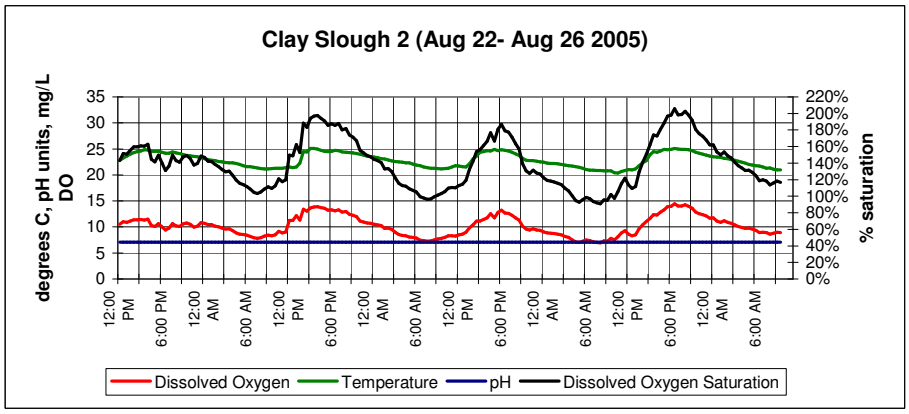

Clay Slough 1 (Aug 01- Aug 06 2005)
degrees C, mg/L DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
6:00 PM
12:00 AM
6:00 AM
12:00 PM
Dissolved Oxygen
Temperature
Dissolved Oxygen Saturation

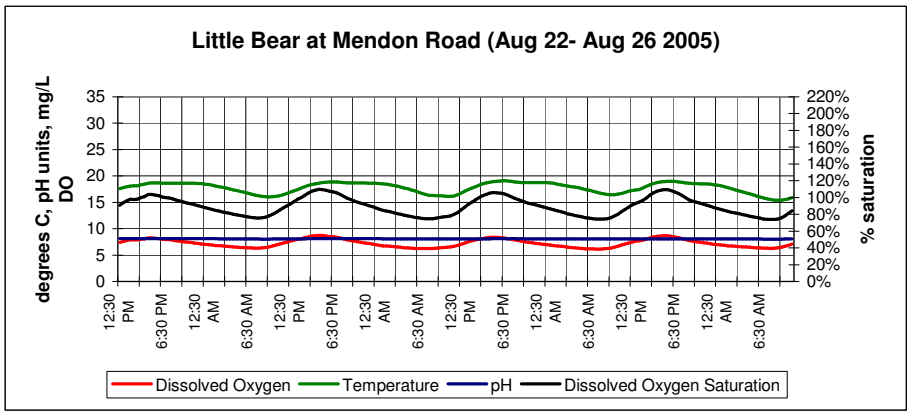

Little Bear at Mendon Road (Aug 01- Aug 07 2005)
degrees C, pH units, mg/L DO
% saturation
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

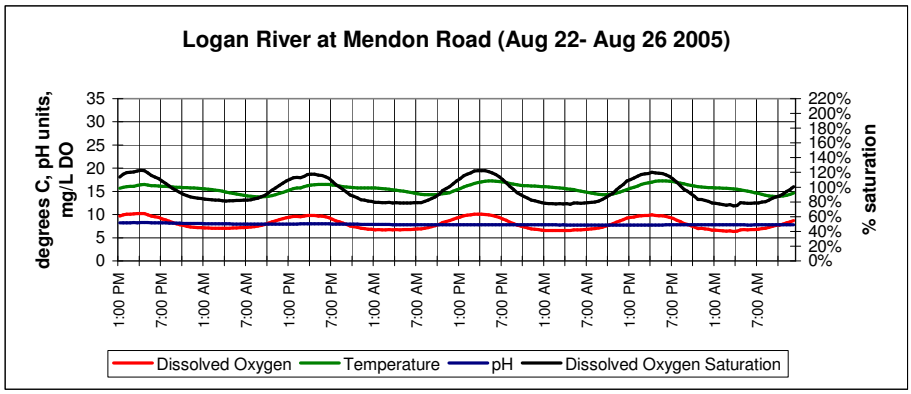

Spring Creek at Mendon Road (Aug 01- Aug 07 2005)
degrees C, pH units, mg/L DO
% saturation
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

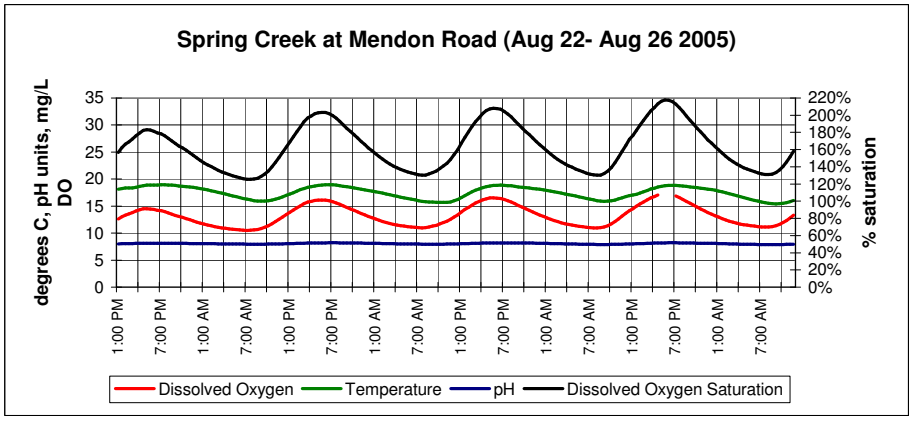

Valley View (Aug 01- Aug 07 2005)
degrees C, pH units, mg/L DO
% saturation
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

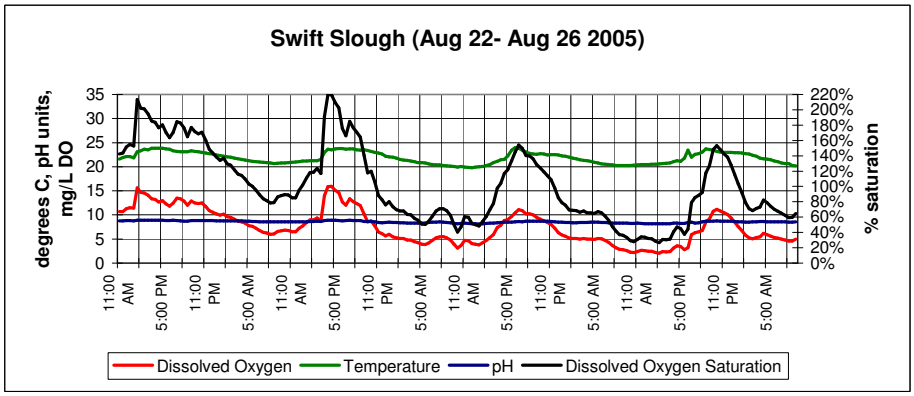

Cache Junction (Aug 22- Aug 26 2005)
degrees C, pH units, mg/L DO
% saturation
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

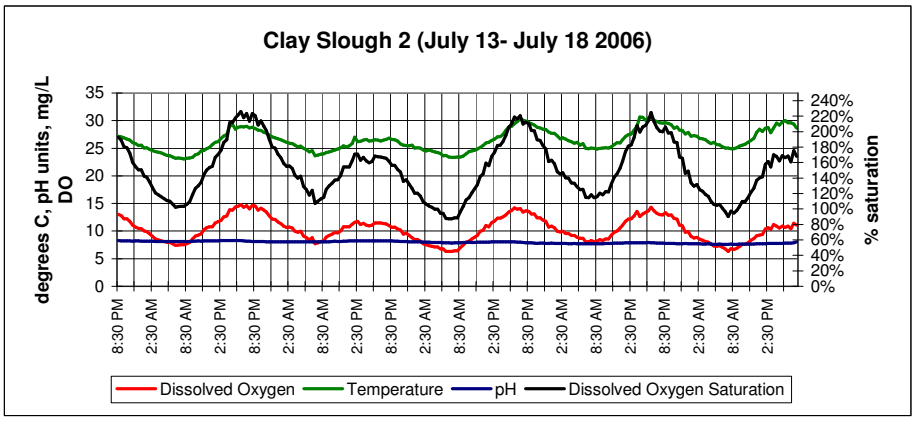

Clay Slough 2 (Aug 22- Aug 26 2005)
degrees C, pH units, mg/L DO
% saturation
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

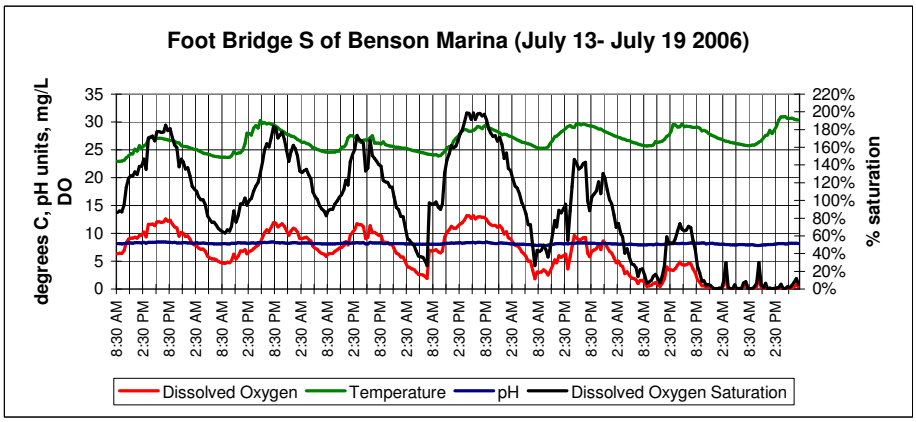

Little Bear at Mendon Road (Aug 22- Aug 26 2005)
degrees C, pH units, mg/L DO
% saturation
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

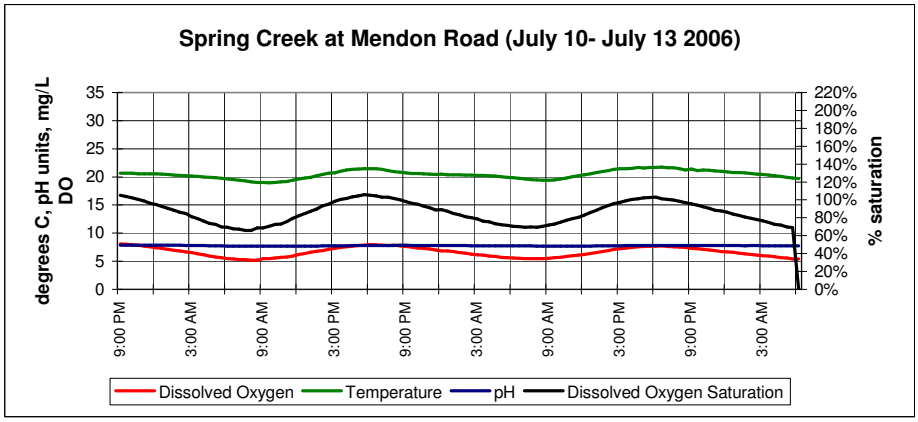

Logan River at Mendon Road (Aug 22- Aug 26 2005)
degrees C, pH units, mg/L DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
1:00 PM
7:00 PM
1:00 AM
7:00 AM
1:00 PM
7:00 PM
1:00 AM
7:00 AM
1:00 PM
7:00 PM
1:00 AM
7:00 AM
1:00 PM
7:00 PM
1:00 AM
7:00 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

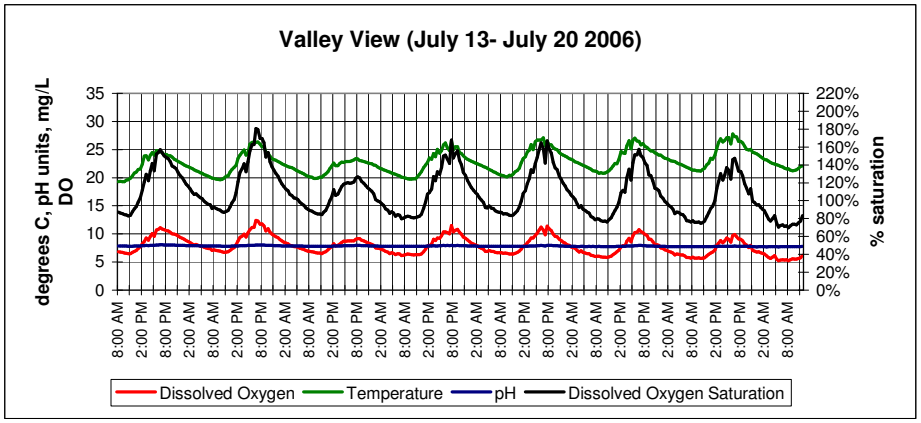

Spring Creek at Mendon Road (Aug 22- Aug 26 2005)
degrees C, pH units, mg/L DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
1:00 PM
7:00 PM
1:00 AM
7:00 AM
1:00 PM
7:00 PM
1:00 AM
7:00 AM
1:00 PM
7:00 PM
1:00 AM
7:00 AM
1:00 PM
7:00 PM
1:00 AM
7:00 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

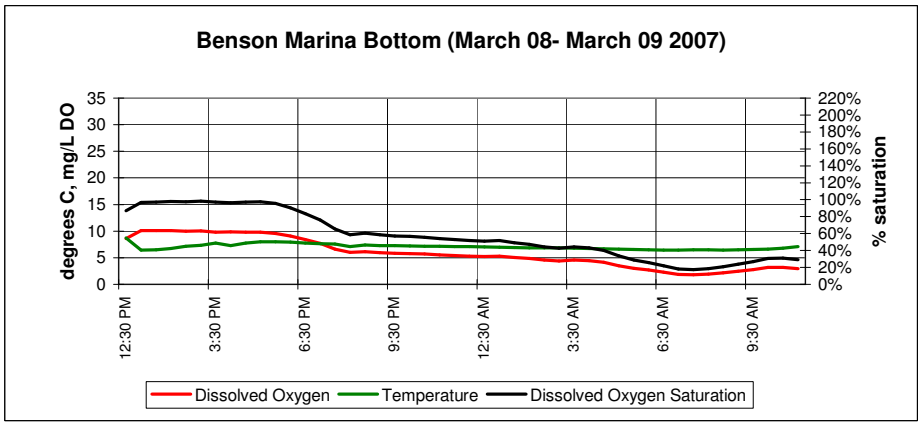

Swift Slough (Aug 22- Aug 26 2005)
degrees C, pH units, mg/L DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
11:00 AM
5:00 PM
11:00 PM
5:00 AM
11:00 AM
5:00 PM
11:00 PM
5:00 AM
11:00 AM
5:00 PM
11:00 PM
5:00 AM
11:00 AM
5:00 PM
11:00 PM
5:00 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

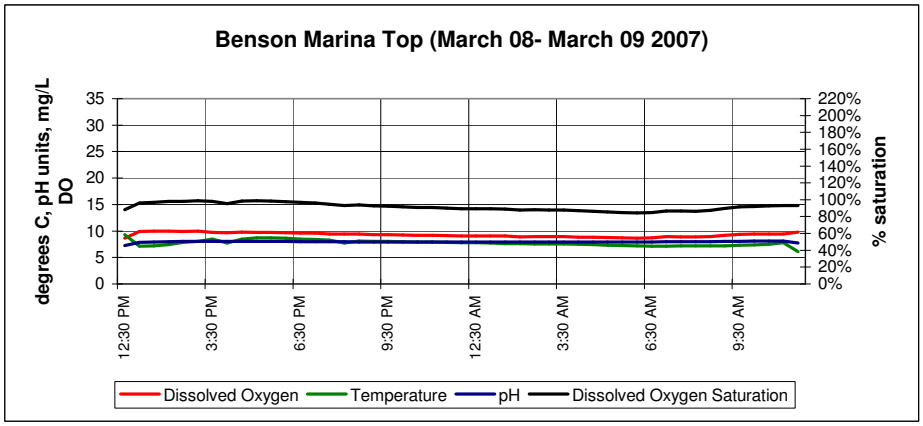

Clay Slough 2 (July 13- July 18 2006)
degrees C, pH units, mg/L DO
% saturation
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

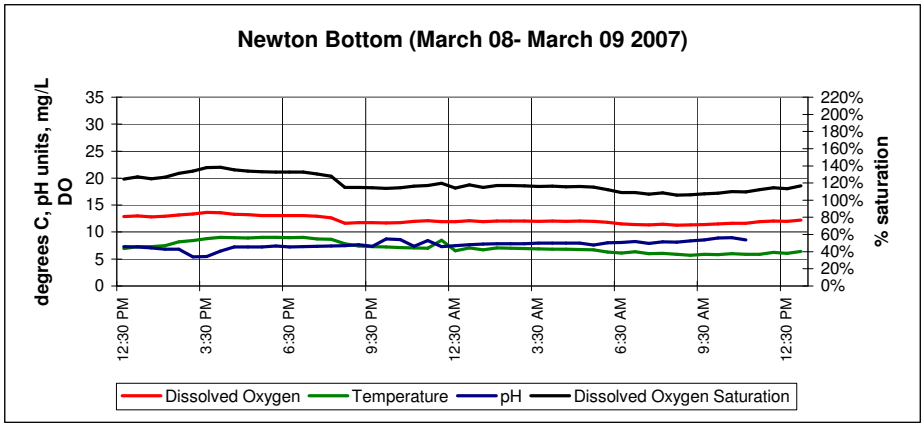

Foot Bridge S of Benson Marina (July 13- July 19 2006)
degrees C, pH units, mg/L DO
% saturation
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

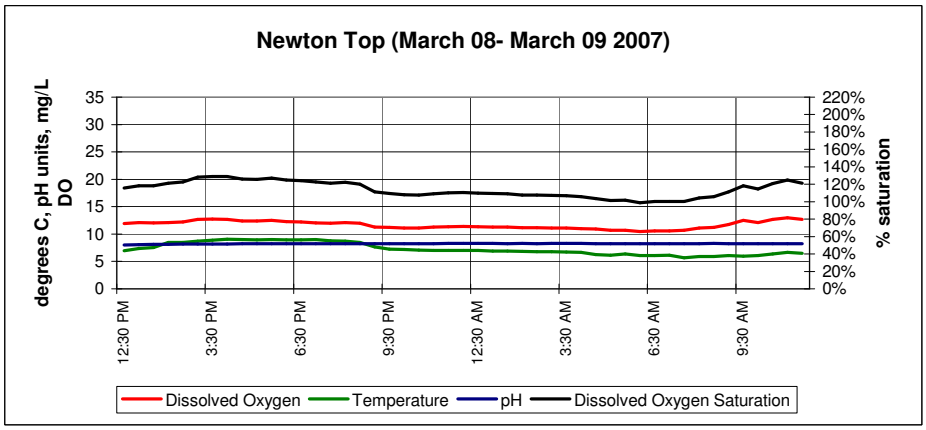

Spring Creek at Mendon Road (July 10- July 13 2006)
degrees C, pH units, mg/L DO
% saturation
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

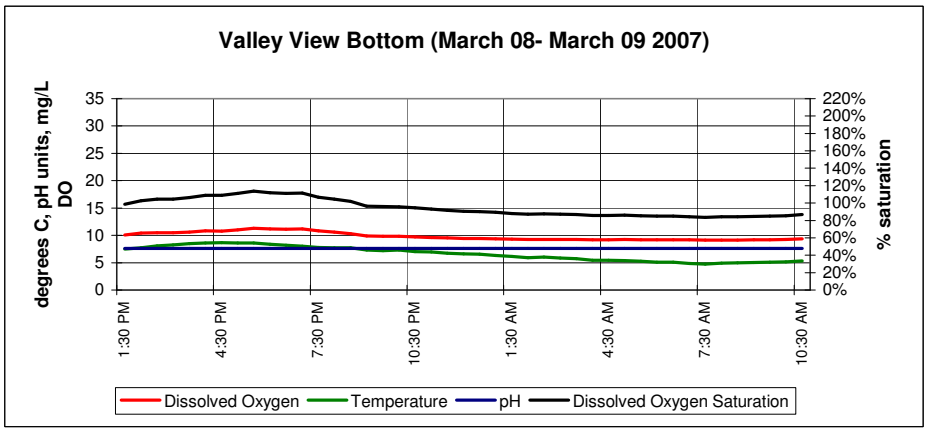

Valley View (July 13- July 20 2006)
degrees C, pH units, mg/L DO
% saturation
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

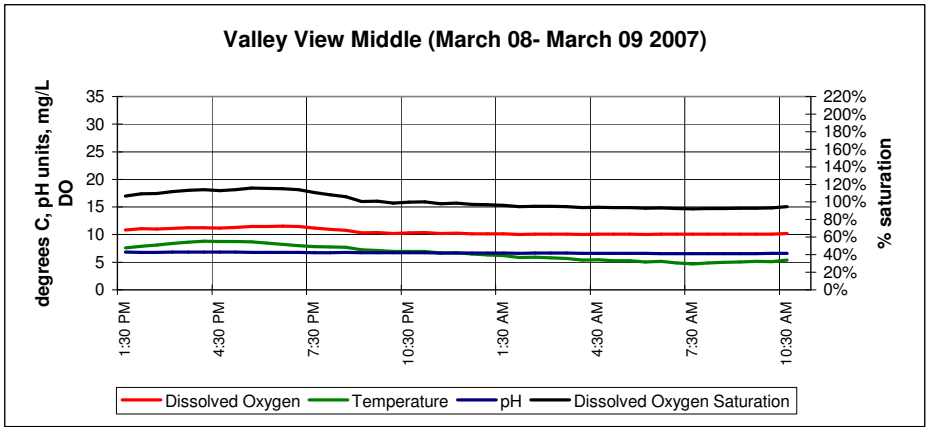

Benson Marina Bottom (March 08- March 09 2007)
degrees C, mg/L DO
% saturation
Dissolved Oxygen
Temperature
Dissolved Oxygen Saturation

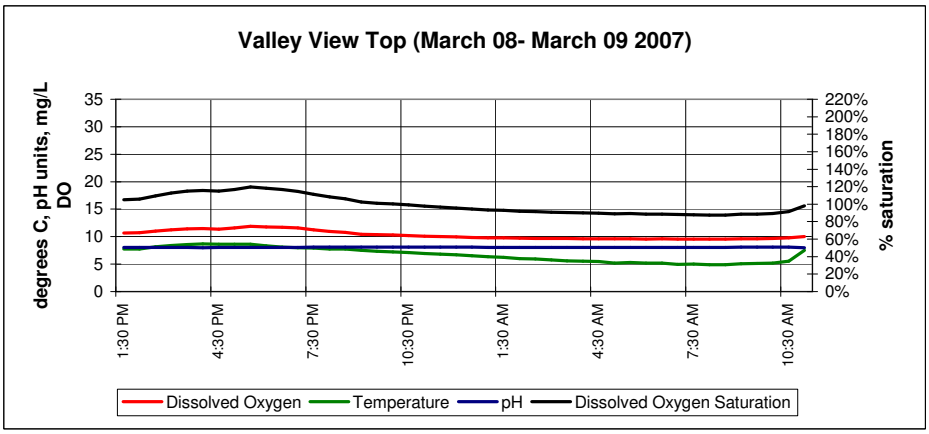

Benson Marina Top (March 08- March 09 2007)
degrees C, pH units, mg/L DO
% saturation
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

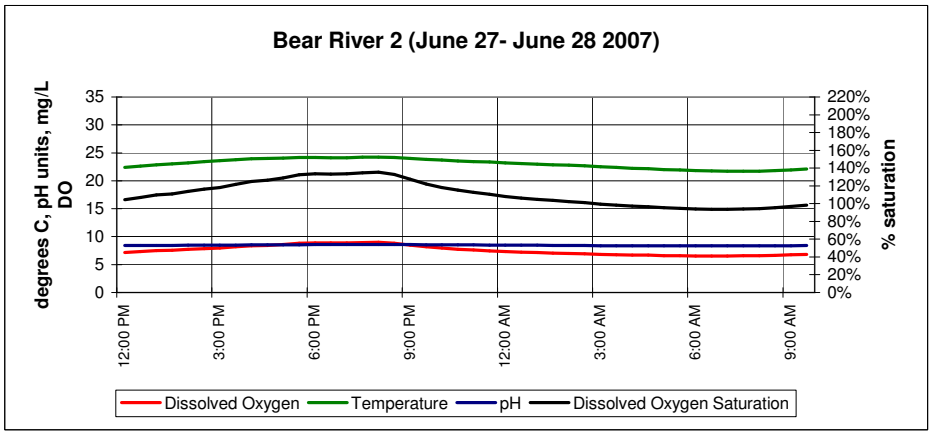

Newton Bottom (March 08- March 09 2007)
degrees C, pH units, mg/L DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
12:30 PM
3:30 PM
6:30 PM
9:30 PM
12:30 AM
3:30 AM
6:30 AM
9:30 AM
12:30 PM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

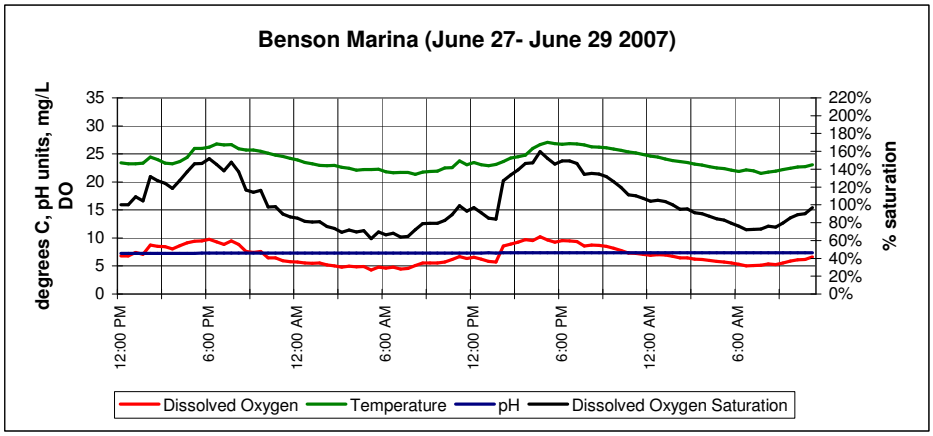

Newton Top (March 08- March 09 2007)
degrees C, pH units, mg/L DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
12:30 PM
3:30 PM
6:30 PM
9:30 PM
12:30 AM
3:30 AM
6:30 AM
9:30 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

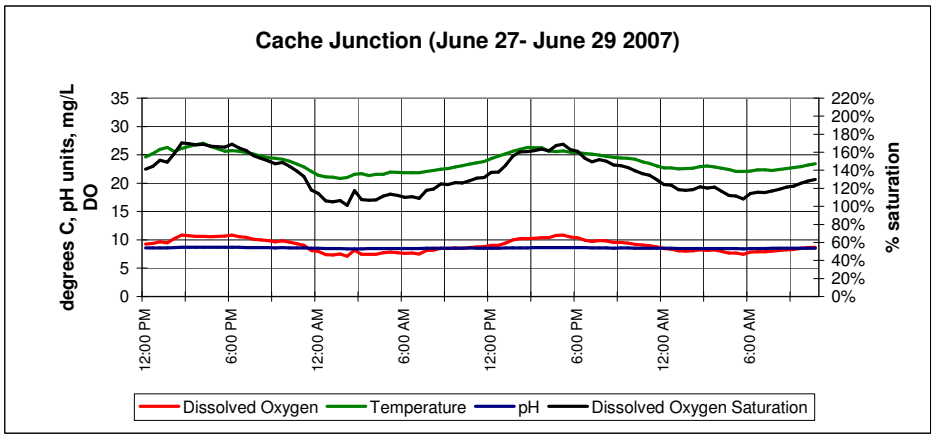

Valley View Bottom (March 08- March 09 2007)
degrees C, pH units, mg/L DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
1:30 PM
4:30 PM
7:30 PM
10:30 PM
1:30 AM
4:30 AM
7:30 AM
10:30 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

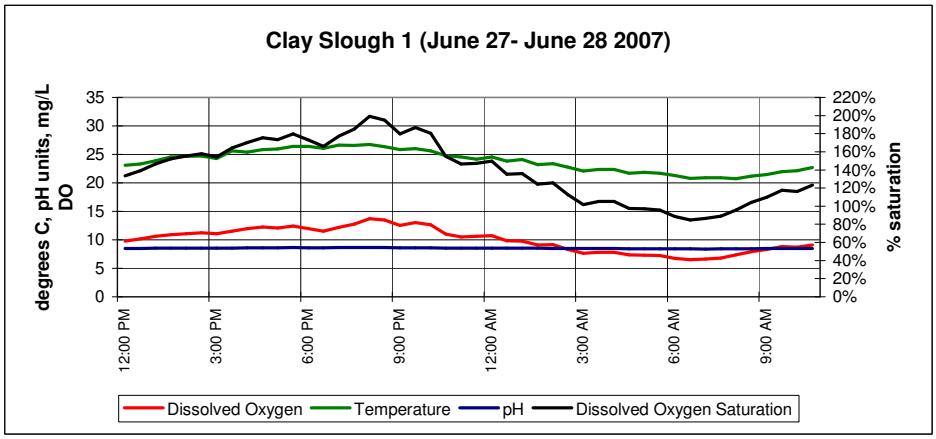

Valley View Middle (March 08- March 09 2007)
degrees C, pH units, mg/L
DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
1:30 PM
4:30 PM
7:30 PM
10:30 PM
1:30 AM
4:30 AM
7:30 AM
10:30 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

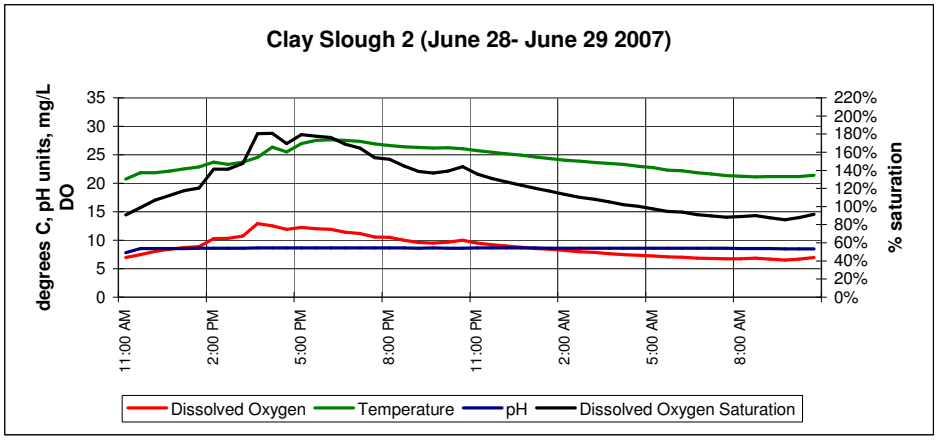

Valley View Top (March 08- March 09 2007)
degrees C, pH units, mg/L
DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
1:30 PM
4:30 PM
7:30 PM
10:30 PM
1:30 AM
4:30 AM
7:30 AM
10:30 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

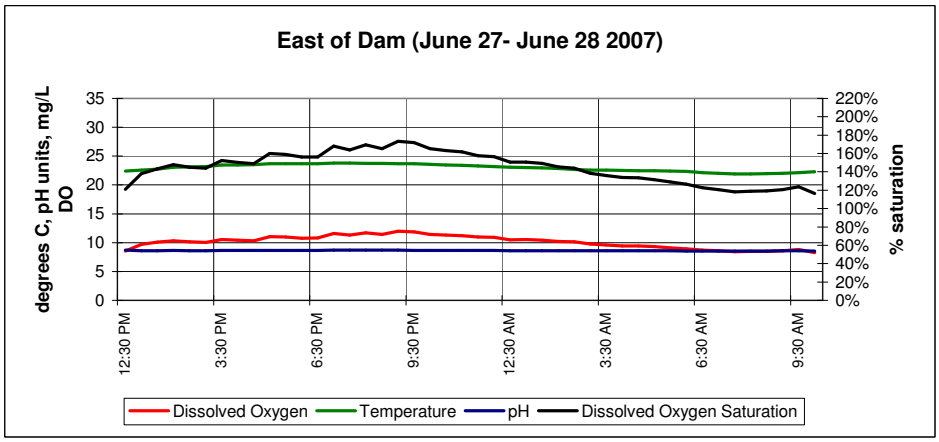

Bear River 2 (June 27- June 28 2007)
degrees C, pH units, mg/L
DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
12:00 PM
3:00 PM
6:00 PM
9:00 PM
12:00 AM
3:00 AM
6:00 AM
9:00 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

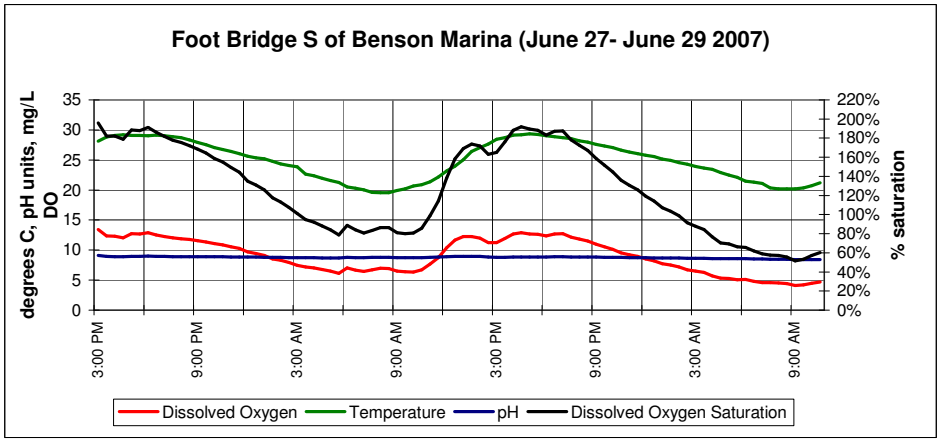

Benson Marina (June 27- June 29 2007)
degrees C, pH units, mg/L DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
12:00 PM
6:00 PM
12:00 AM
6:00 AM
12:00 PM
6:00 PM
12:00 AM
6:00 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

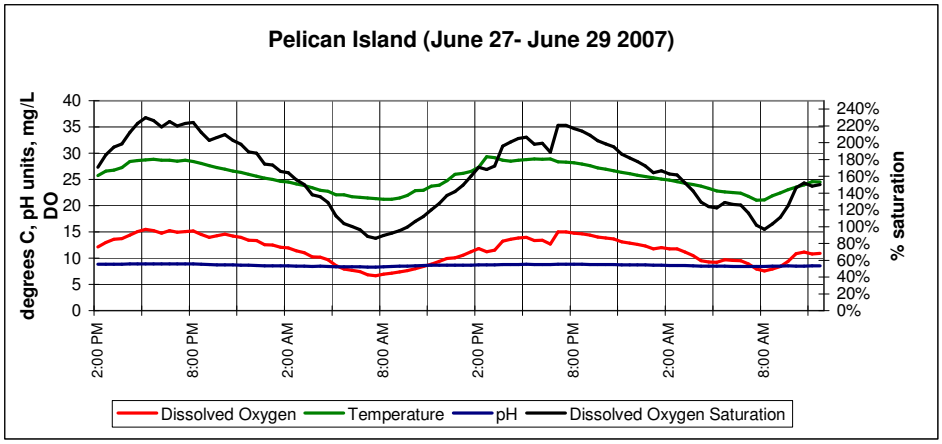

Cache Junction (June 27- June 29 2007)
degrees C, pH units, mg/L DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
12:00 PM
6:00 PM
12:00 AM
6:00 AM
12:00 PM
6:00 PM
12:00 AM
6:00 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

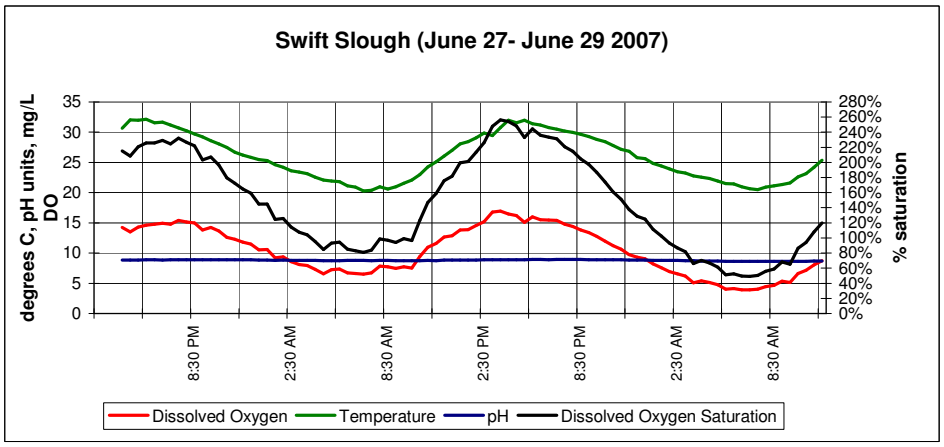

Clay Slough 1 (June 27- June 28 2007)
degrees C, pH units, mg/L DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
12:00 PM
3:00 PM
6:00 PM
9:00 PM
12:00 AM
3:00 AM
6:00 AM
9:00 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

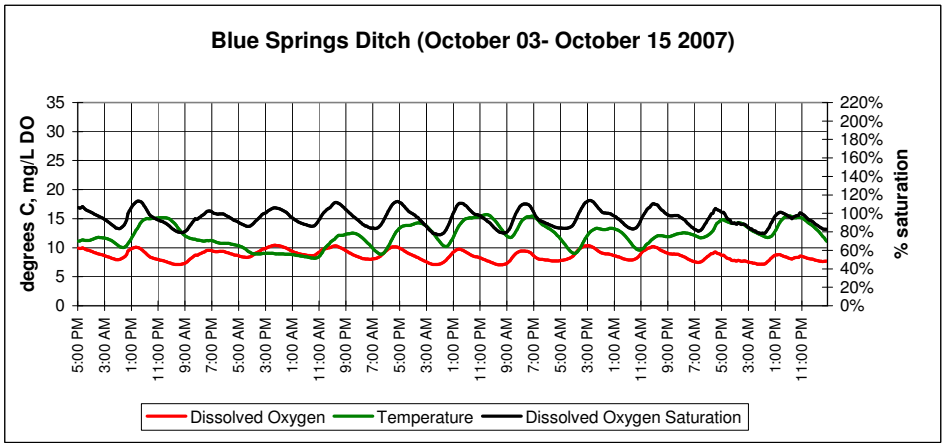

Clay Slough 2 (June 28- June 29 2007)
degrees C, pH units, mg/L
DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
11:00 AM
2:00 PM
5:00 PM
8:00 PM
11:00 PM
2:00 AM
5:00 AM
8:00 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

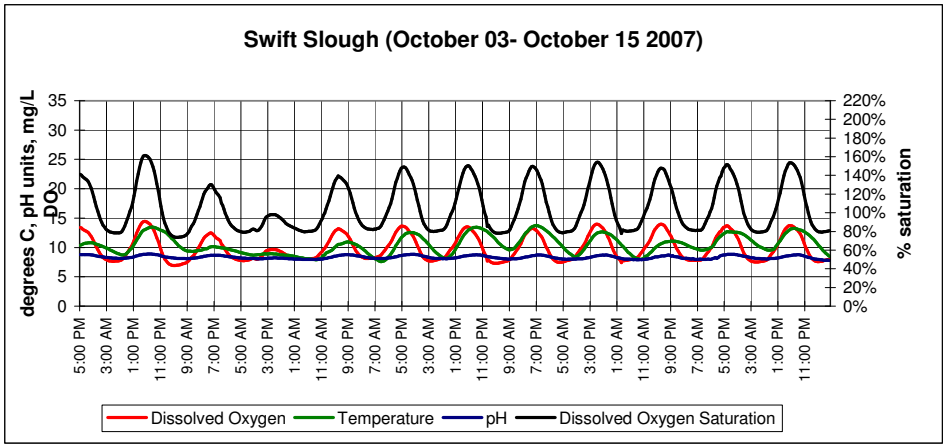

East of Dam (June 27- June 28 2007)
degrees C, pH units, mg/L
DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
12:30 PM
3:30 PM
6:30 PM
9:30 PM
12:30 AM
3:30 AM
6:30 AM
9:30 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

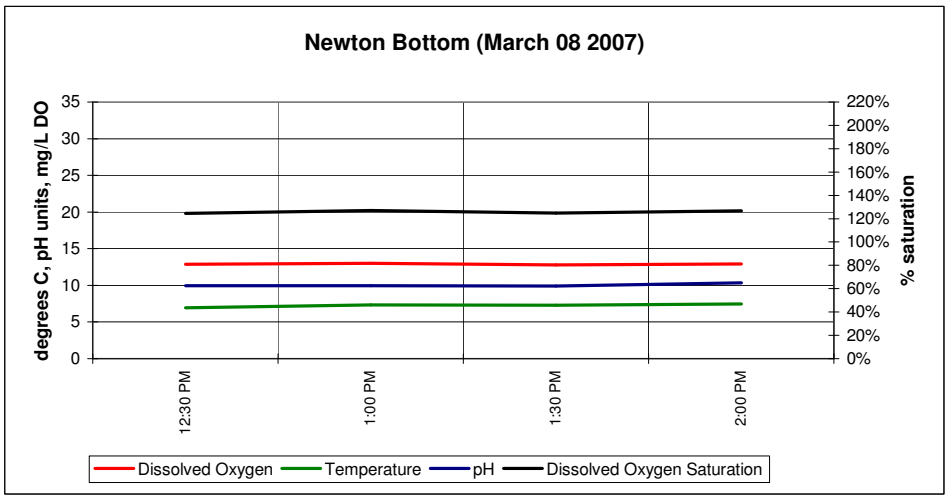

Foot Bridge S of Benson Marina (June 27- June 29 2007)
degrees C, pH units, mg/L
DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
3:00 PM
9:00 PM
3:00 AM
9:00 AM
3:00 PM
9:00 PM
3:00 AM
9:00 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

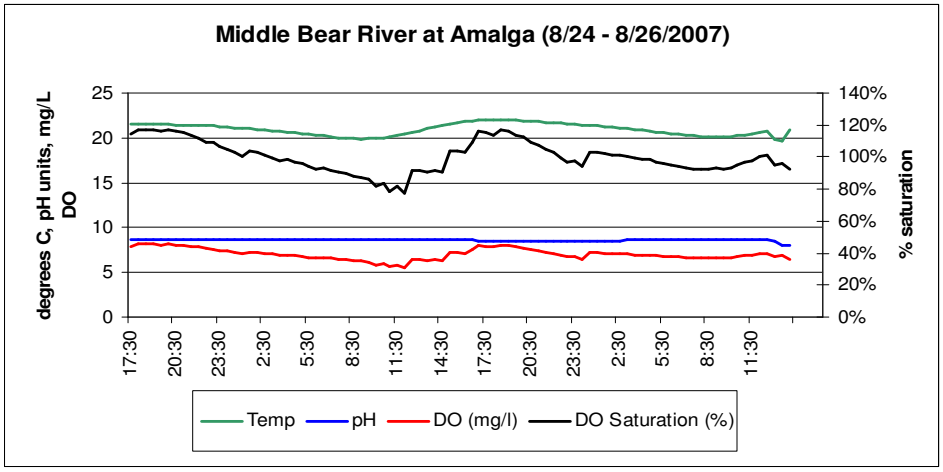

Pelican Island (June 27- June 29 2007)
degrees C, pH units, mg/L DO
% saturation
40
35
30
25
20
15
10
5
0
240%
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
2:00 PM
8:00 PM
2:00 AM
8:00 AM
2:00 PM
8:00 PM
2:00 AM
8:00 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

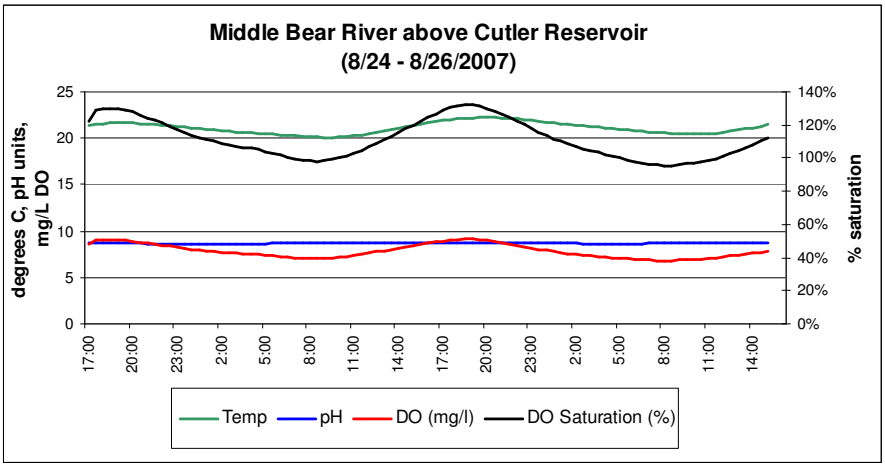

Swift Slough (June 27- June 29 2007)
degrees C, pH units, mg/L DO
% saturation
35
30
25
20
15
10
5
0
280%
260%
240%
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
8:30 PM
2:30 AM
8:30 AM
2:30 PM
8:30 PM
2:30 AM
8:30 AM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation

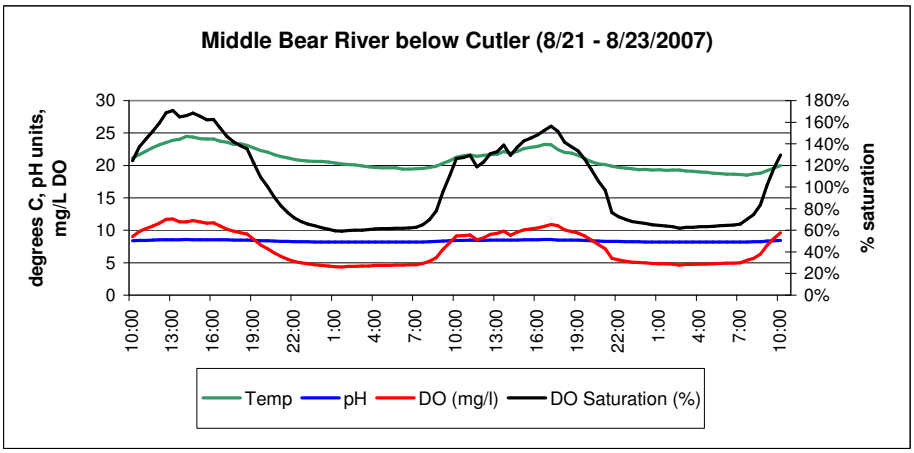

Blue Springs Ditch (October 03- October 15 2007)
degrees C, mg/L DO
% saturation
35
30
25
20
15
10
5
0
220%
200%
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
5:00 PM
3:00 AM
1:00 PM
11:00 PM
9:00 AM
7:00 PM
5:00 AM
3:00 PM
1:00 AM
11:00 AM
9:00 PM
7:00 AM
5:00 PM
3:00 AM
1:00 PM
11:00 PM
9:00 AM
7:00 PM
5:00 AM
3:00 PM
1:00 AM
11:00 AM
9:00 PM
7:00 AM
5:00 PM
3:00 AM
1:00 PM
11:00 PM
Dissolved Oxygen
Temperature
Dissolved Oxygen Saturation

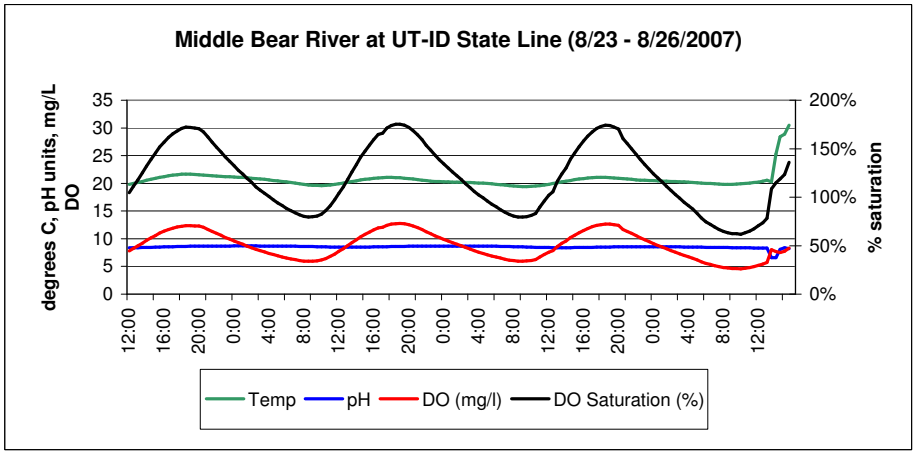

Swift Slough (October 03- October 15 2007)
degrees C, pH units, mg/L DO
% saturation
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation


Newton Bottom (March 08 2007)
degrees C, pH units, mg/L DO
% saturation
12:30 PM
1:00 PM
1:30 PM
2:00 PM
Dissolved Oxygen
Temperature
pH
Dissolved Oxygen Saturation


Middle Bear River at Amalga (8/24 - 8/26/2007)
degrees C, pH units, mg/L DO
% saturation
Temp
pH
DO (mg/l)
DO Saturation (%)


Middle Bear River above Cutler Reservoir
(8/24 - 8/26/2007)
degrees C, pH units, mg/L DO
% saturation
25
20
15
10
5
0
140%
120%
100%
80%
60%
40%
20%
0%
17:00
20:00
23:00
2:00
5:00
8:00
11:00
14:00
17:00
20:00
23:00
2:00
5:00
8:00
11:00
14:00
Temp
pH
DO (mg/l)
DO Saturation (%)


Middle Bear River below Cutler (8/21 - 8/23/2007)
degrees C, pH units, mg/L DO
% saturation
30
25
20
15
10
5
0
180%
160%
140%
120%
100%
80%
60%
40%
20%
0%
10:00
13:00
16:00
19:00
22:00
1:00
4:00
7:00
10:00
13:00
16:00
19:00
22:00
1:00
4:00
7:00
10:00
Temp
pH
DO (mg/l)
DO Saturation (%)


Middle Bear River at UT-ID State Line (8/23 - 8/26/2007)
degrees C, pH units, mg/L DO
% saturation
35
30
25
20
15
10
5
0
200%
150%
100%
50%
0%
12:00
16:00
20:00
0:00
4:00
8:00
12:00
16:00
20:00
0:00
4:00
8:00
12:00
16:00
20:00
0:00
4:00
8:00
12:00
Temp
pH
DO (mg/l)
DO Saturation (%)