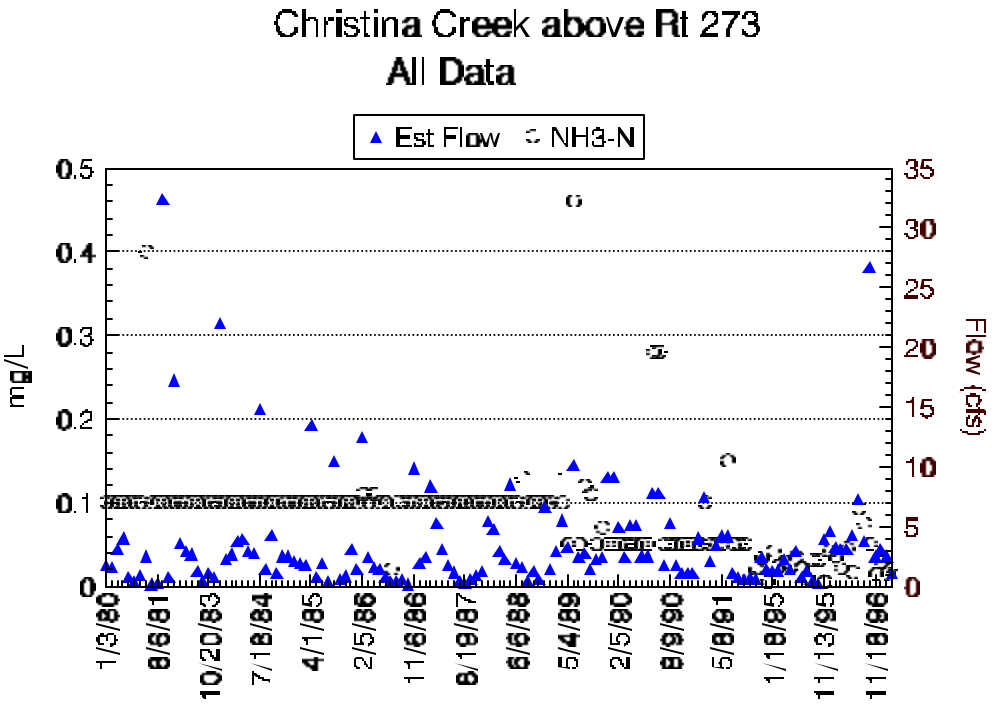
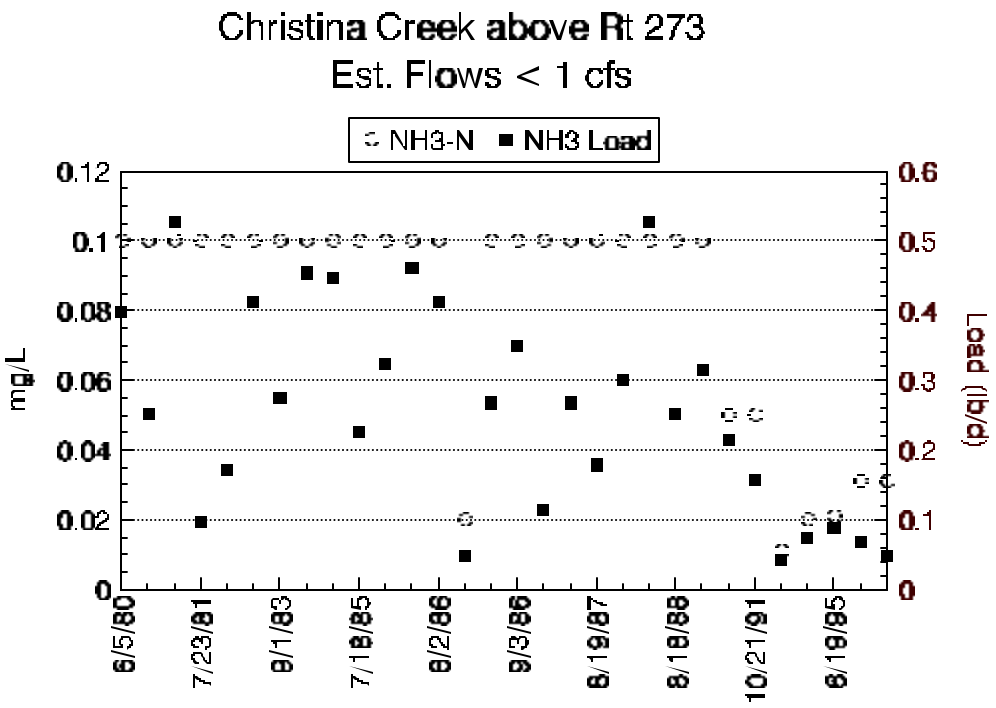
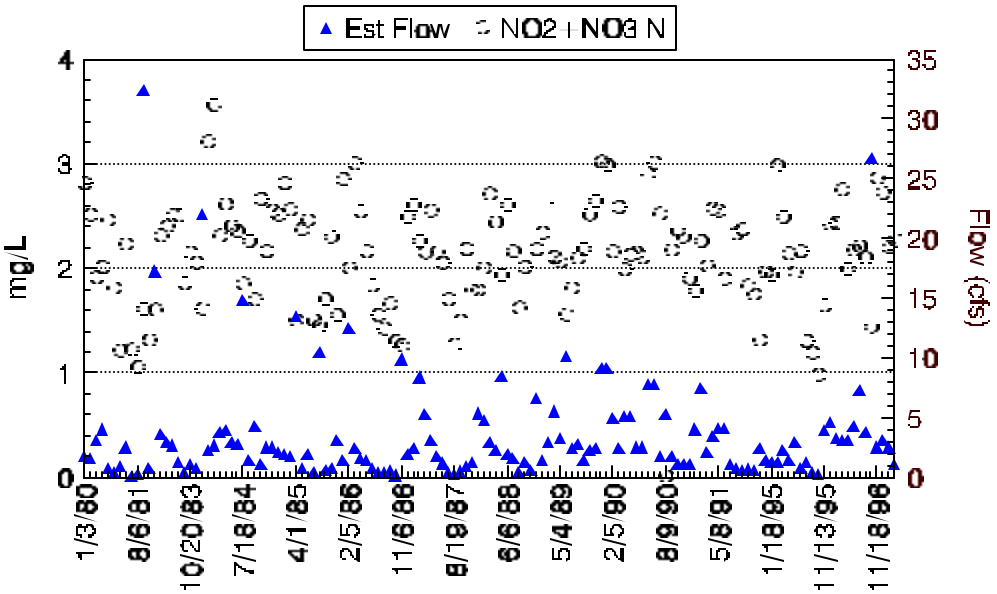


Flows Estimated based on Coochs Br gage * 0.15



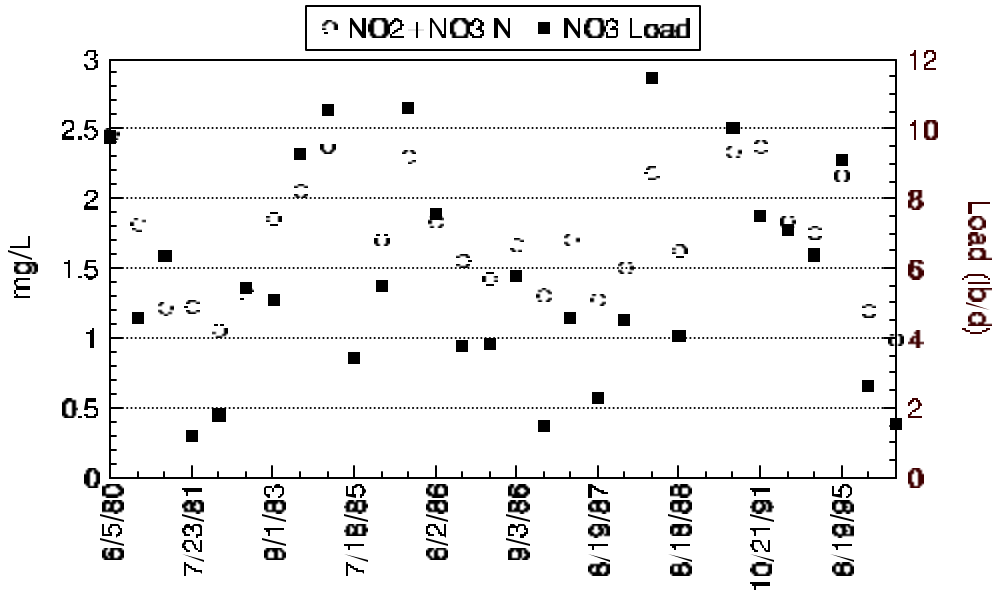
Flows Estimated based on Coochs Br gage * 0.15

Christina Creek above Rt 273
All Data



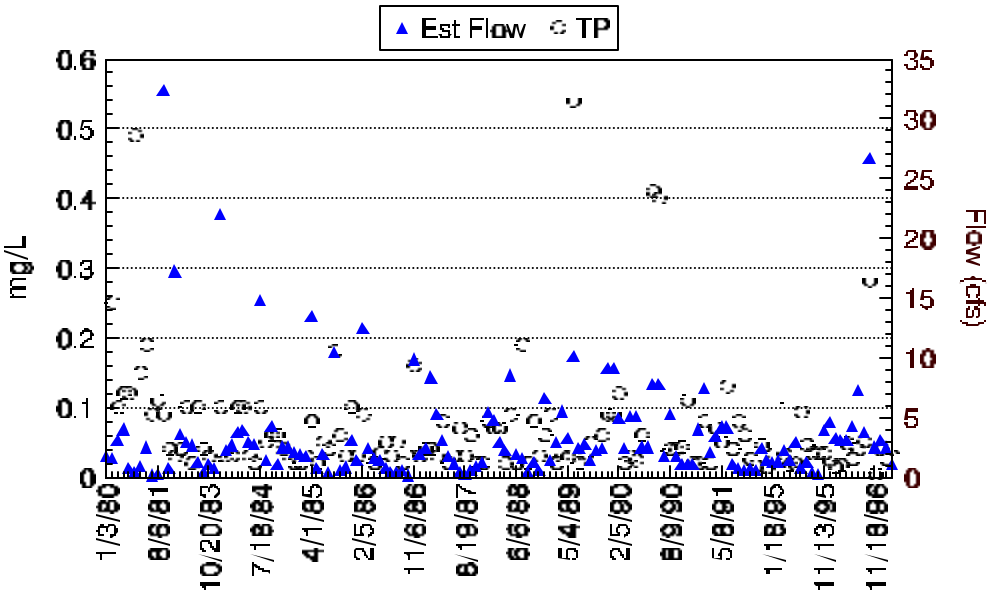
Flows Estimated based on Coochs Br gage * 0.15

Christina Creek above Rt 273
Est. Flows < 1 cfs



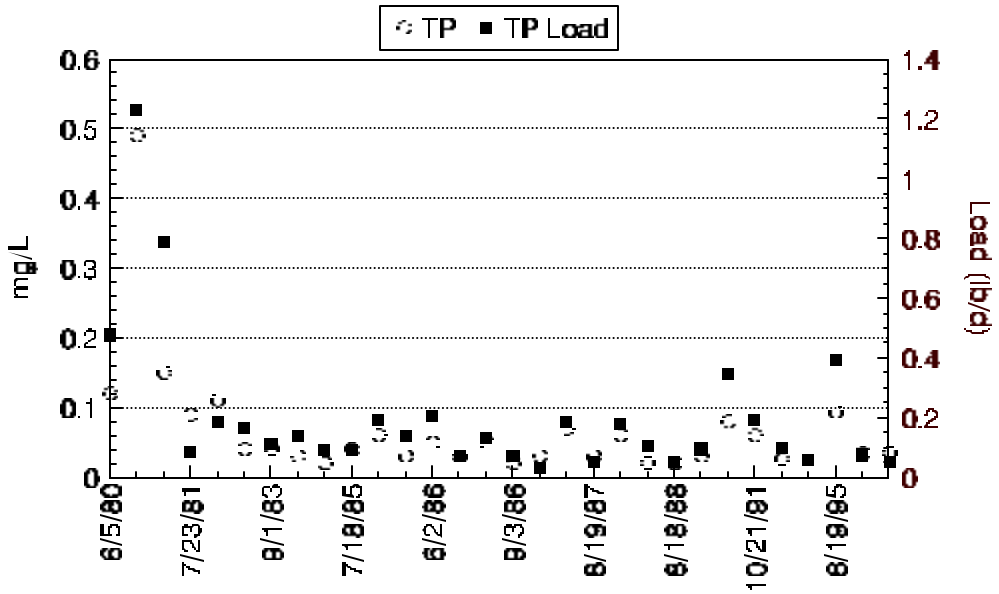
Flows Estimated based on Coochs Br gage * 0.15

Christina Creek above Rt 273
All Data

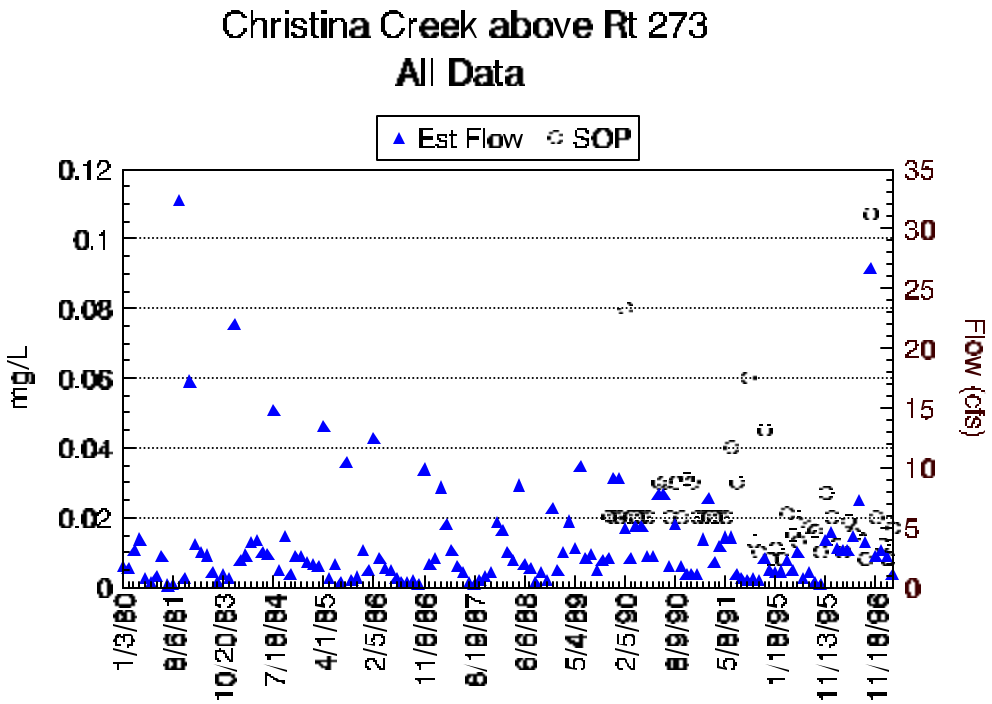


Flows Estimated based on Coochs Br gage * 0.15

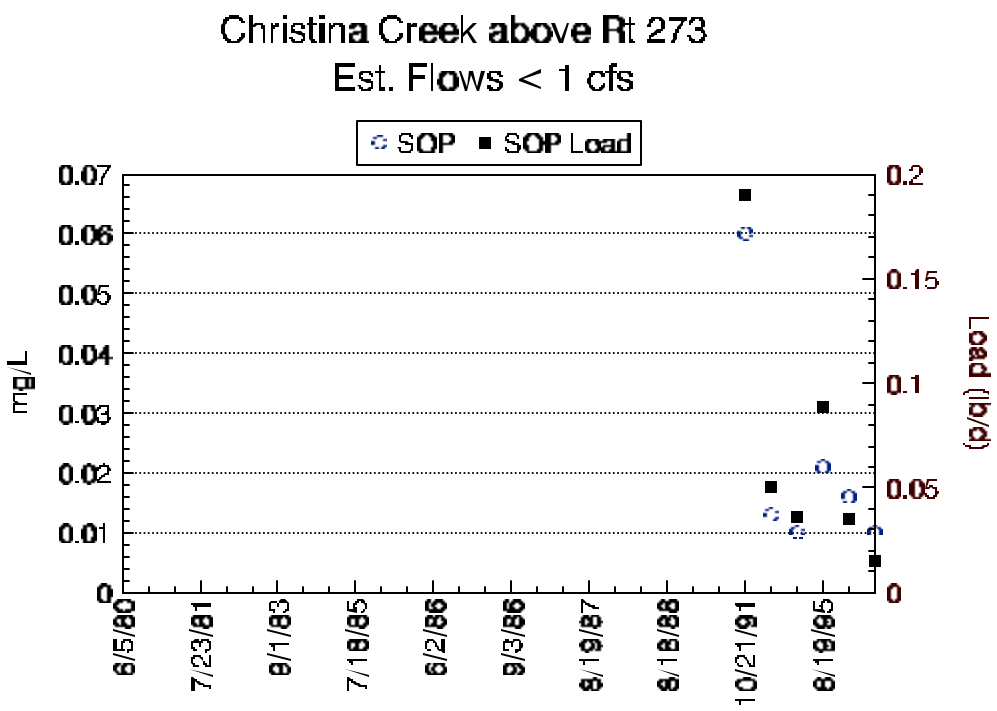
Christina Creek above Rt 273
Est. Flows < 1 cfs



Flows Estimated based on Coochs Br gage * 0.15

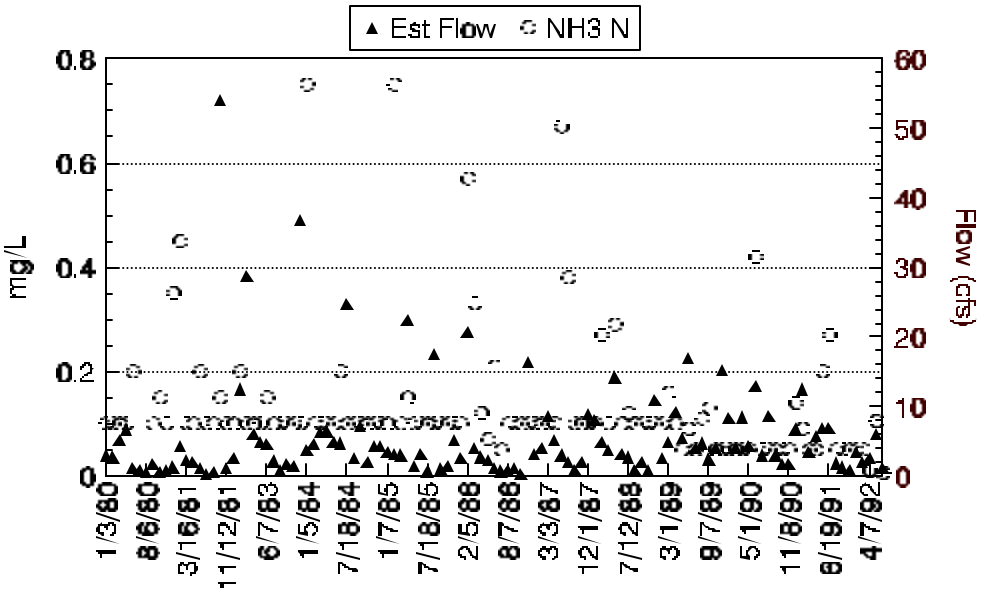


Flows Estimated based on Coochs Br gage * 0.15

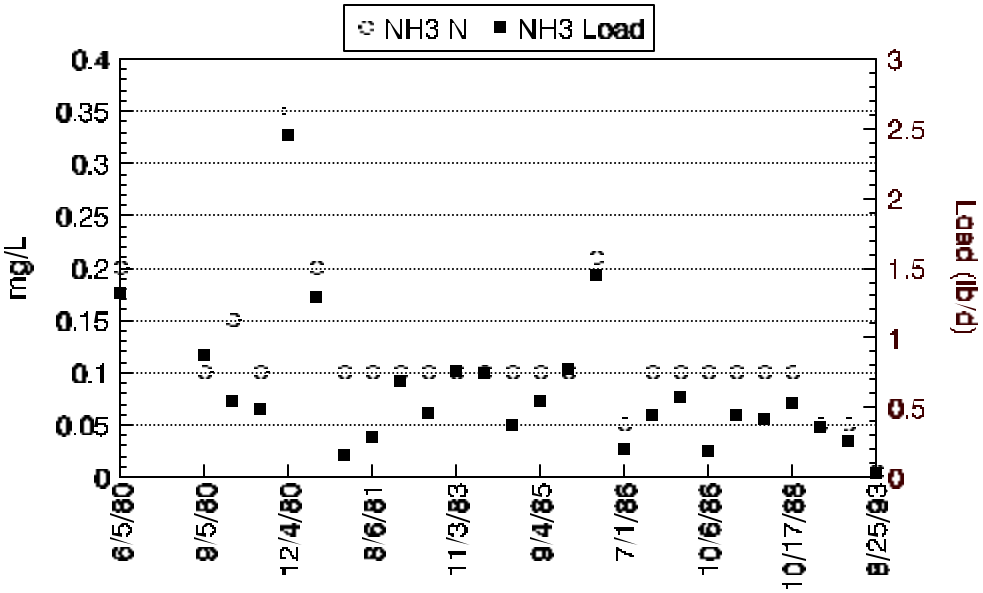


Flows Estimated based on Coochs Br gage * 0.15

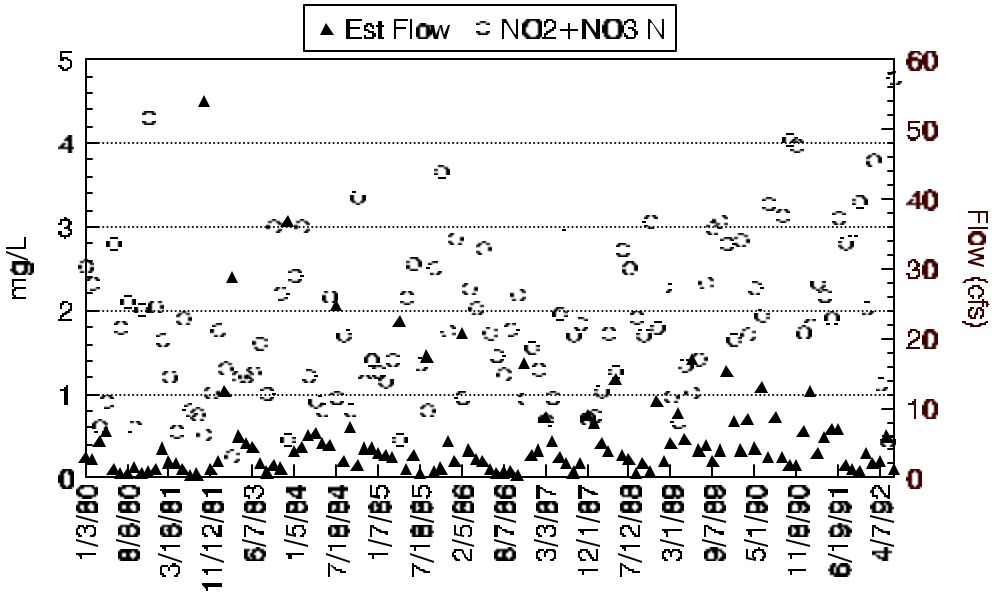
West Branch Christina at Rt 2
All Data



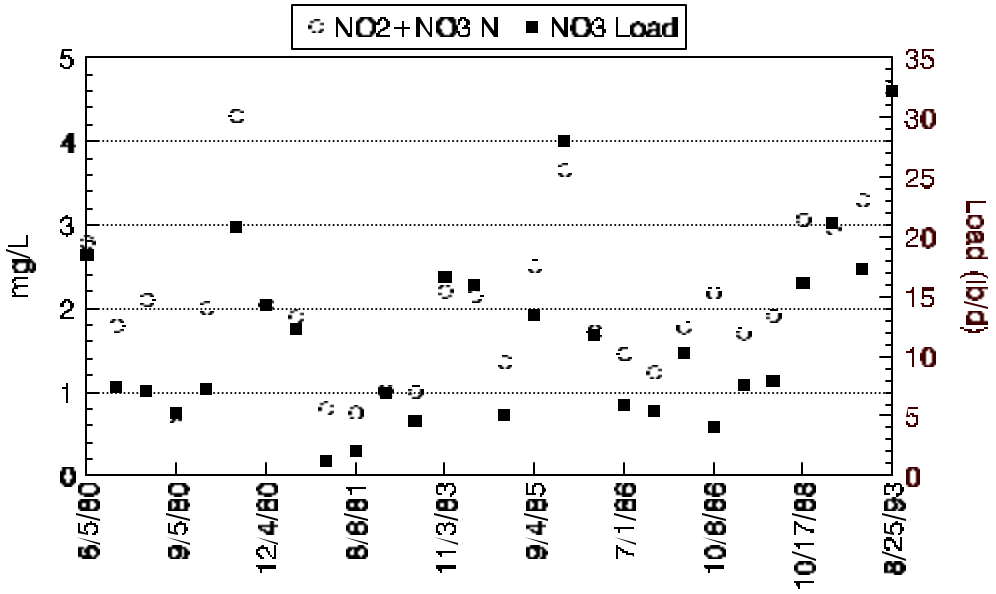
West Branch Christina at Rt 2
Est. Flow < 1.6 cfs



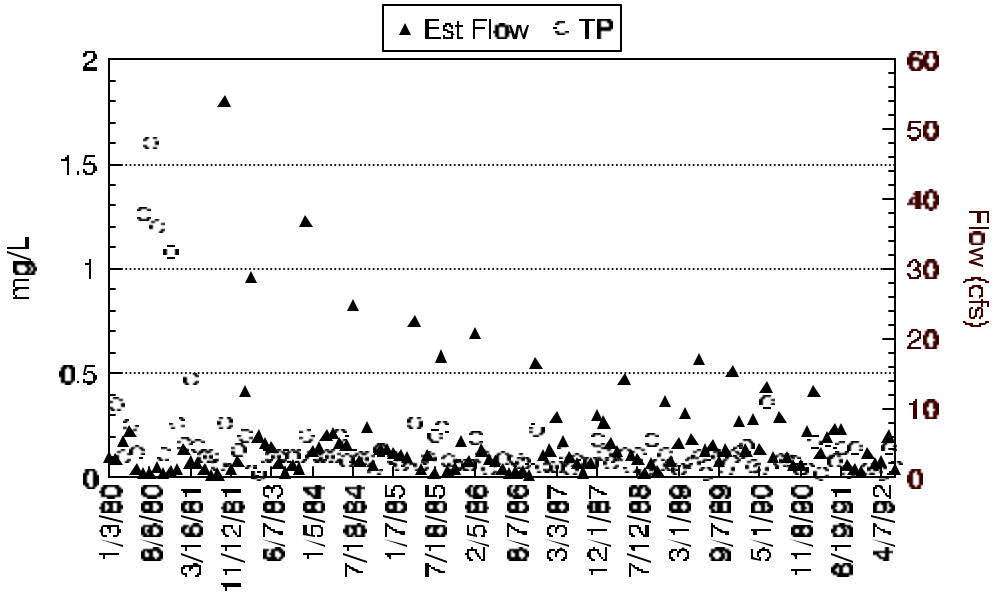
West Branch Christina at Rt 2
All Data



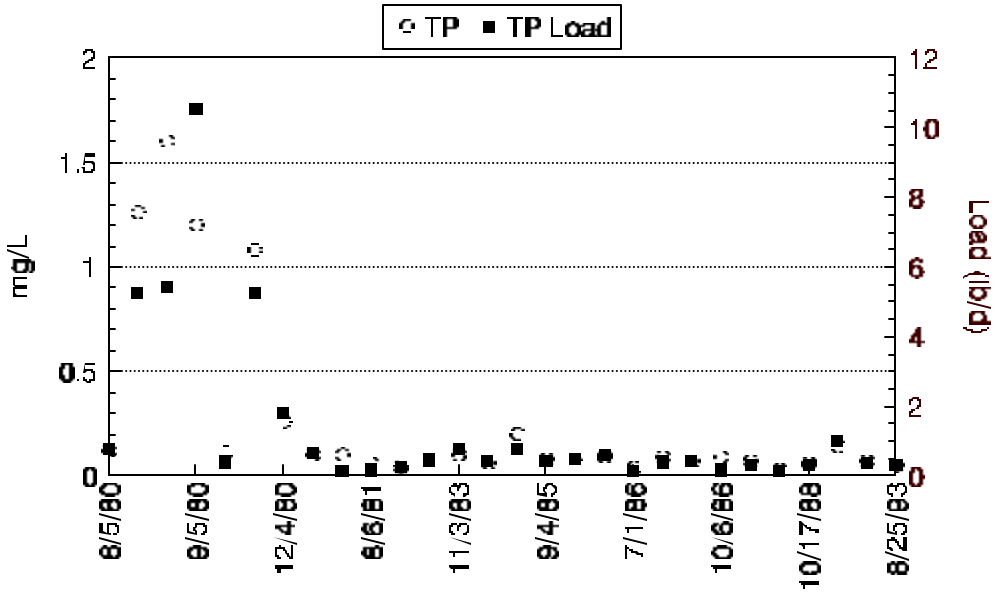
West Branch Christina at Rt 2
Est. Flow < 1.6 cfs



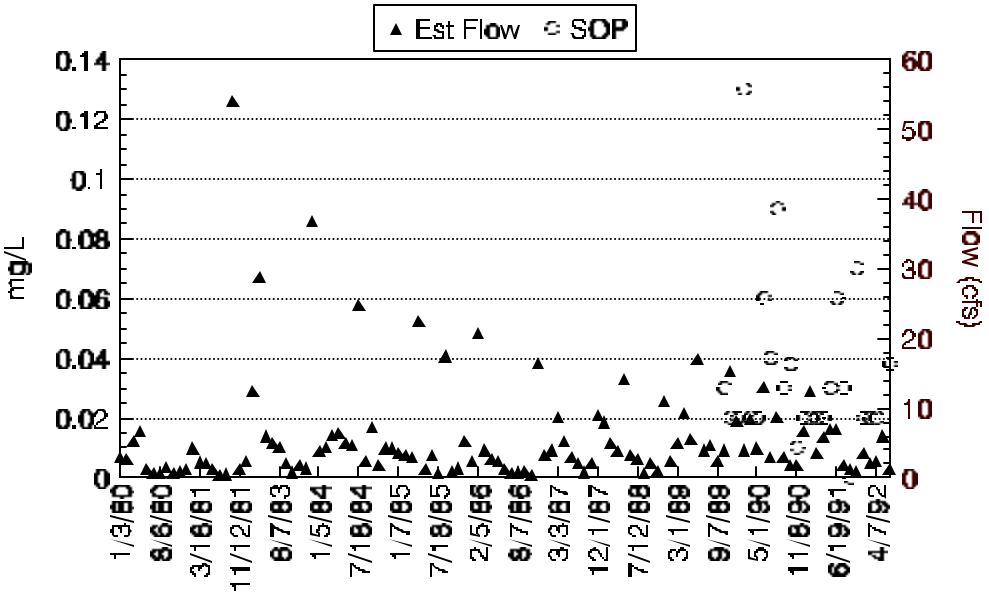
West Branch Christina at Rt 2
All Data



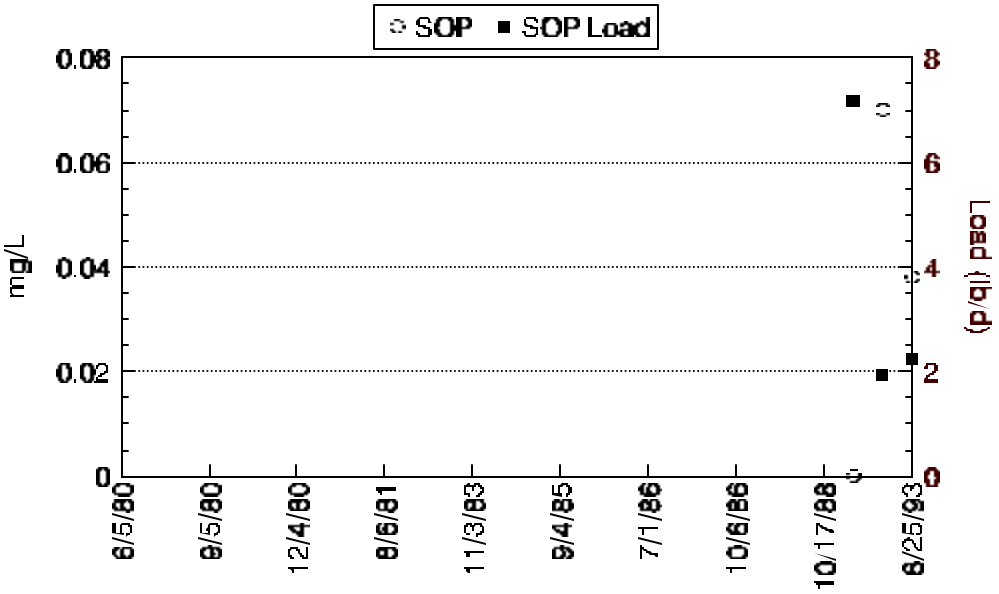
West Branch Christina at Rt 2
Est. Flow < 1.6 cfs

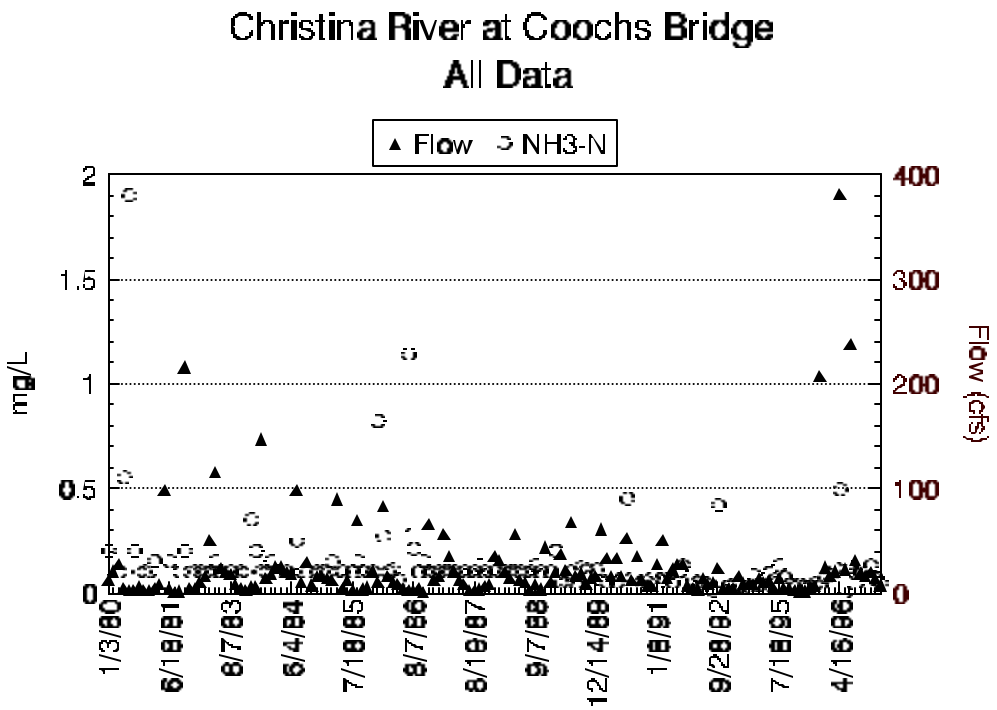


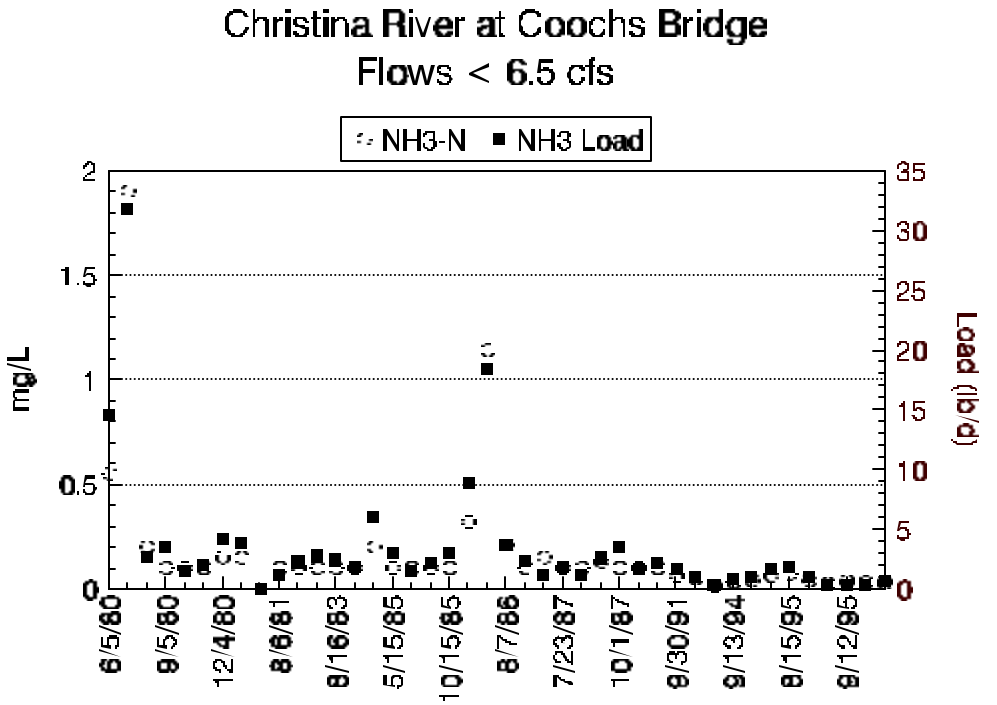
West Branch Christina at Rt 2
All Data

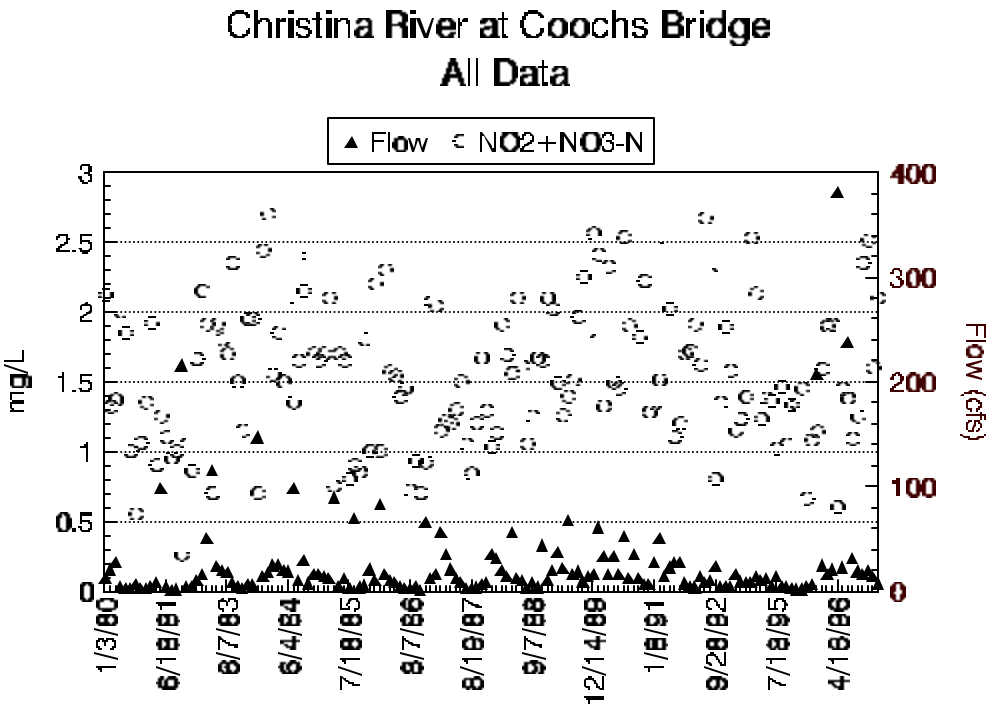


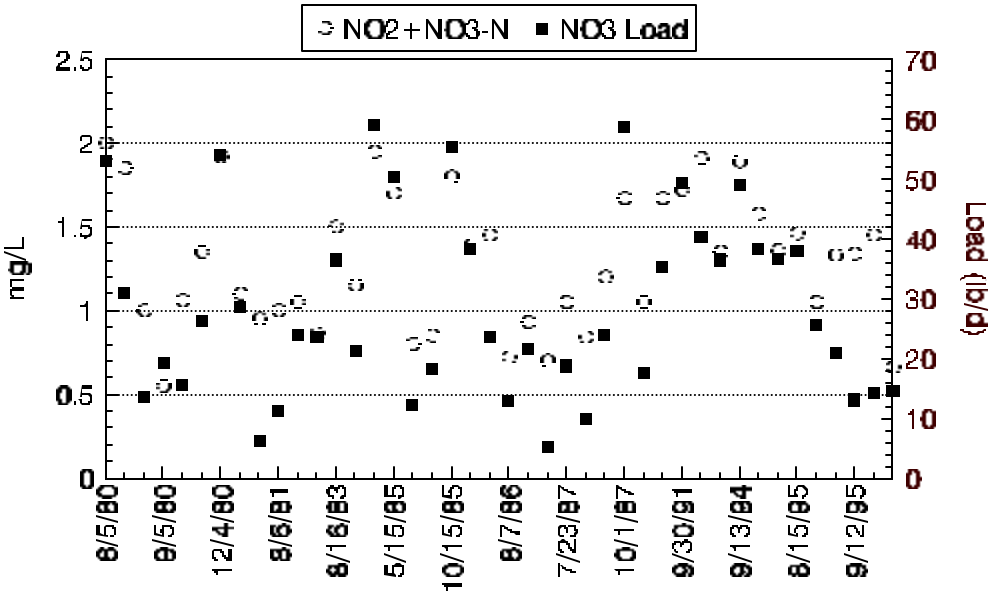
West Branch Christina at Rt 2
Est. Flow < 1.6 cfs

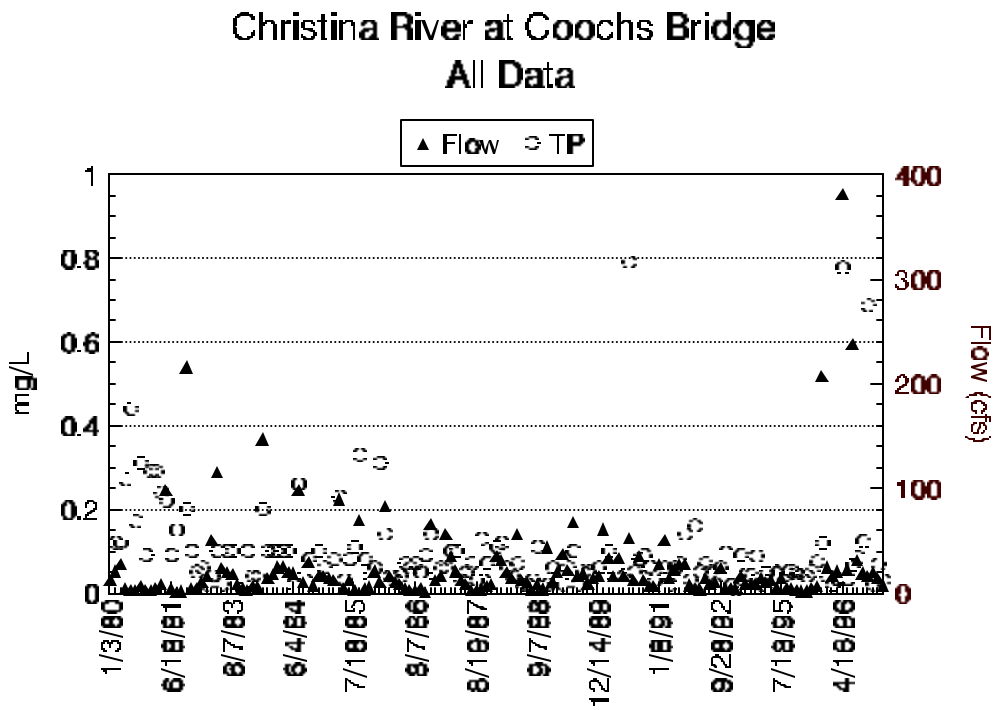


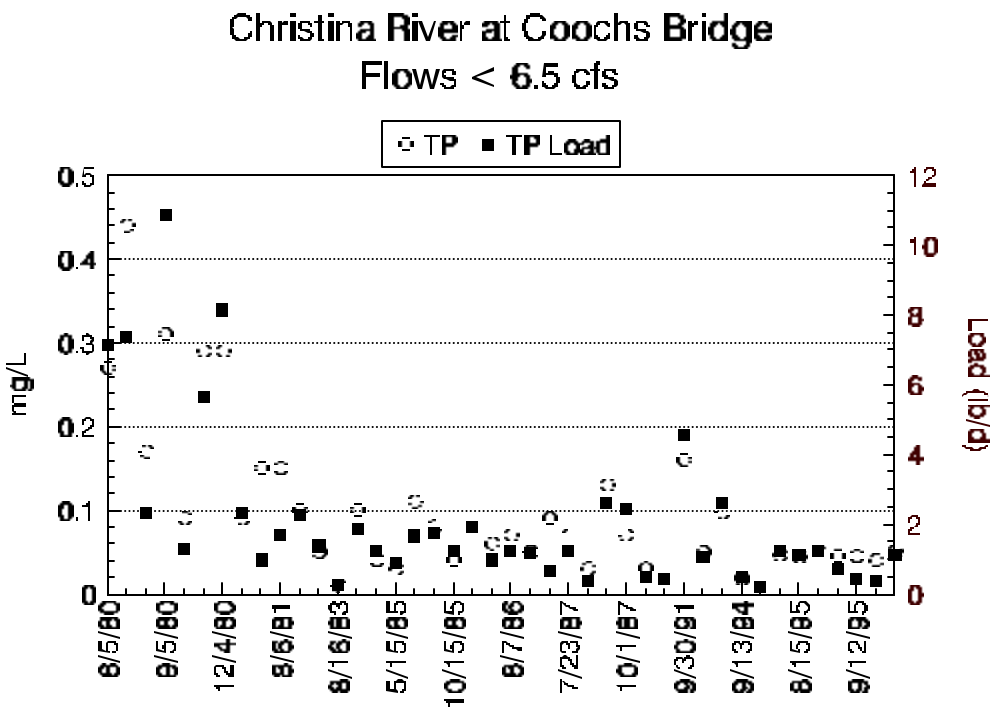

Christina River at Coochs Bridge
All Data
Flow
NH3-N
mg/L
Flow (cfs)
2
1.5
1
0.5
0
400
300
200
100
0
1/3/80
6/18/81
8/7/83
6/4/84
7/18/85
8/7/86
8/19/87
9/7/88
12/14/89
1/8/91
9/28/92
7/18/95
4/16/96

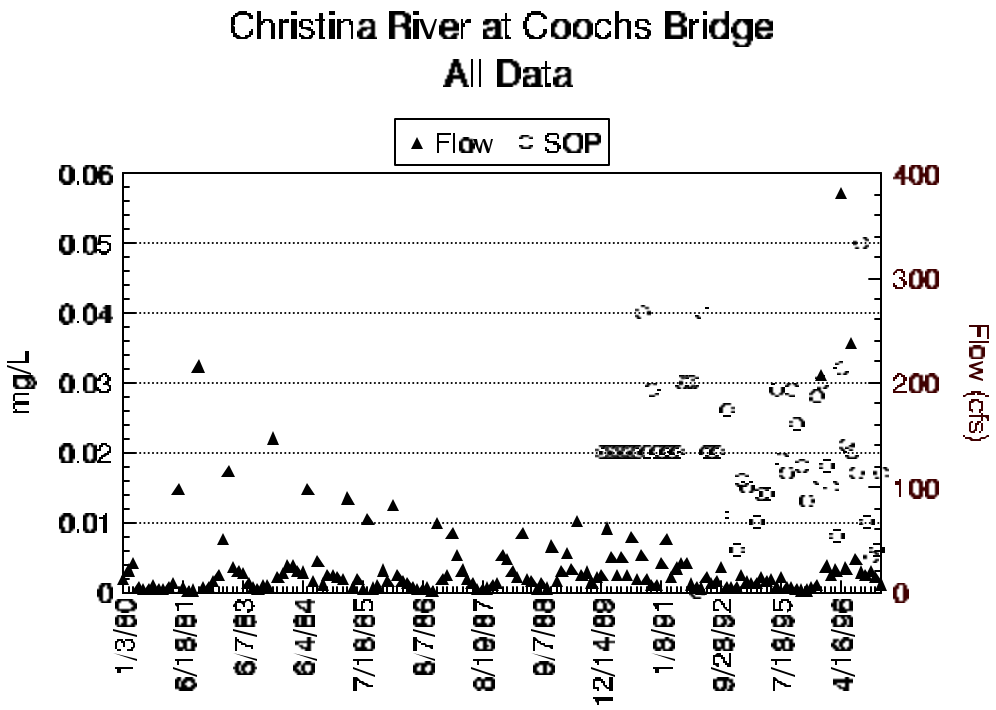

Christina River at Coochs Bridge
Flows < 6.5 cfs
NH3-N
NH3 Load
mg/L
Load (lb/d)
2
1.5
1
0.5
0
35
30
25
20
15
10
5
0
6/5/80
9/5/80
12/4/80
8/6/81
8/16/83
5/15/85
10/15/85
8/7/86
7/23/87
10/1/87
9/30/91
9/13/94
8/15/95
9/12/95

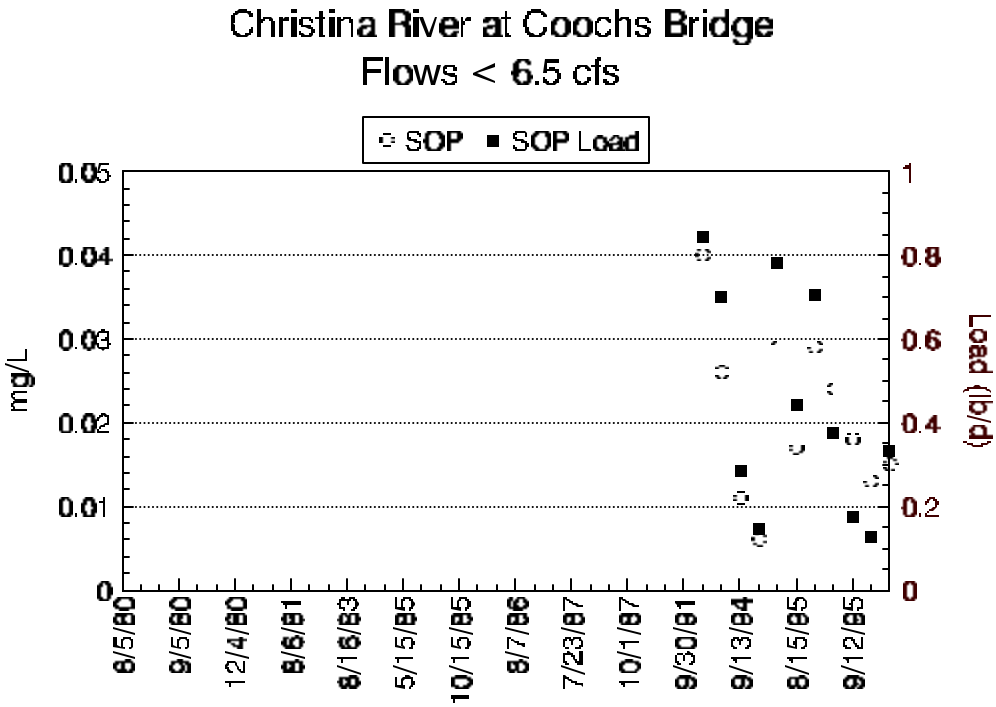

Christina River at Coochs Bridge
All Data
Flow
NO2+NO3-N
mg/L
Flow (cfs)
0
0.5
1
1.5
2
2.5
3
0
100
200
300
400
1/3/80
6/18/81
8/7/83
6/4/84
7/18/85
8/7/86
8/18/87
9/7/88
12/14/89
1/8/91
9/28/92
7/18/95
4/18/96


Christina River at Coochs Bridge
Flows < 6.5 cfs
NO2+NO3-N
NO3 Load
mg/L
Load (lb/d)
0
0.5
1
1.5
2
2.5
0
10
20
30
40
50
60
70
8/5/80
9/5/80
12/4/80
8/6/81
8/16/83
5/15/85
10/15/85
8/7/86
7/23/87
10/1/87
9/30/91
9/13/94
8/15/95
9/12/95

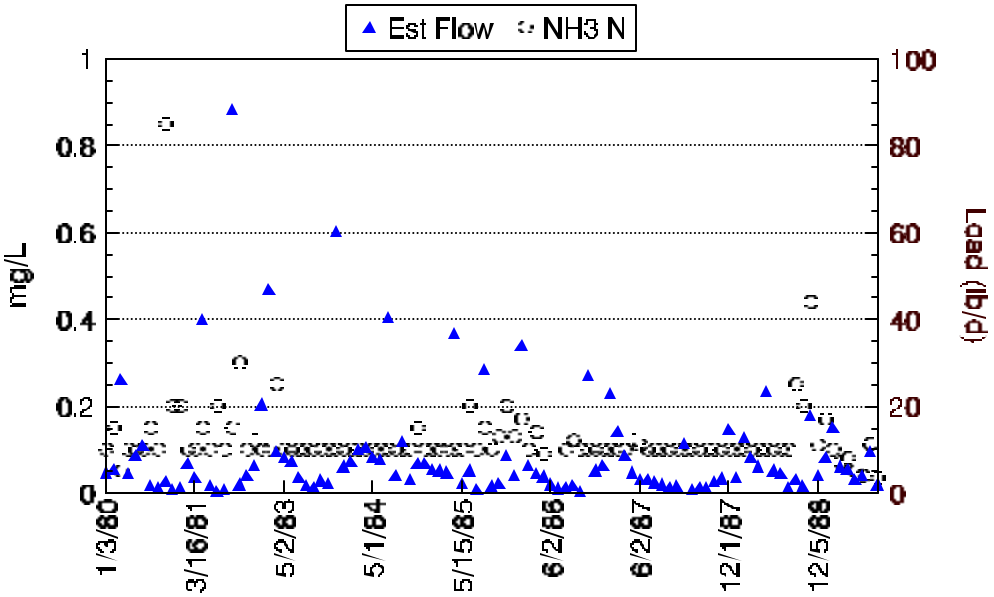

Christina River at Coochs Bridge
All Data
Flow
TP
mg/L
Flow (cfs)
1
0.8
0.6
0.4
0.2
0
400
300
200
100
0
1/3/80
6/18/81
8/7/83
6/4/84
7/18/85
8/7/86
8/18/87
9/7/88
12/14/89
1/8/91
9/28/92
7/18/95
4/18/96


Christina River at Coochs Bridge
Flows < 6.5 cfs
TP
TP Load
mg/L
Load (lb/d)
0.5
0.4
0.3
0.2
0.1
0
12
10
8
6
4
2
0
8/5/80
9/5/80
12/4/80
8/6/81
8/16/83
5/15/85
10/15/85
8/7/86
7/23/87
10/1/87
9/30/91
9/13/94
8/15/95
9/12/95


Christina River at Coochs Bridge
All Data
Flow
SOP
mg/L
Flow (cfs)
0.06
0.05
0.04
0.03
0.02
0.01
0
400
300
200
100
0
1/3/80
6/18/81
6/7/83
6/4/84
7/18/85
8/7/86
8/19/87
9/7/88
12/14/89
1/8/91
9/28/92
7/18/95
4/16/96

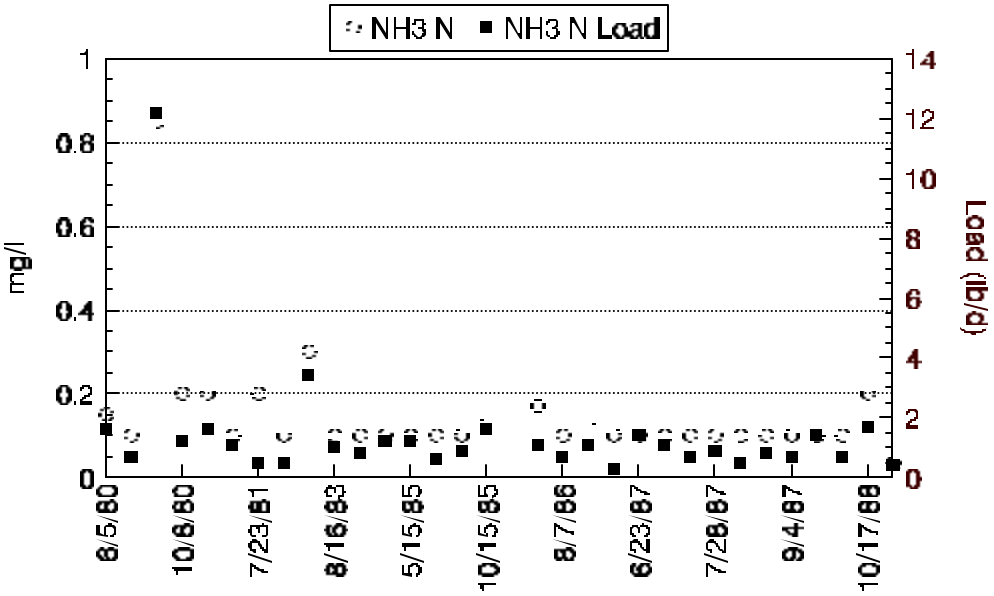

Christina River at Coochs Bridge
Flows < 6.5 cfs
SOP
SOP Load
mg/L
Load (lb/d)
0.05
0.04
0.03
0.02
0.01
0
1
0.8
0.6
0.4
0.2
0
8/5/80
9/5/80
12/4/80
8/6/81
8/16/83
5/15/85
10/15/85
8/7/86
7/23/87
10/1/87
9/30/91
9/13/94
8/15/95
9/12/95

Muddy Run - Becks Pond
All Data



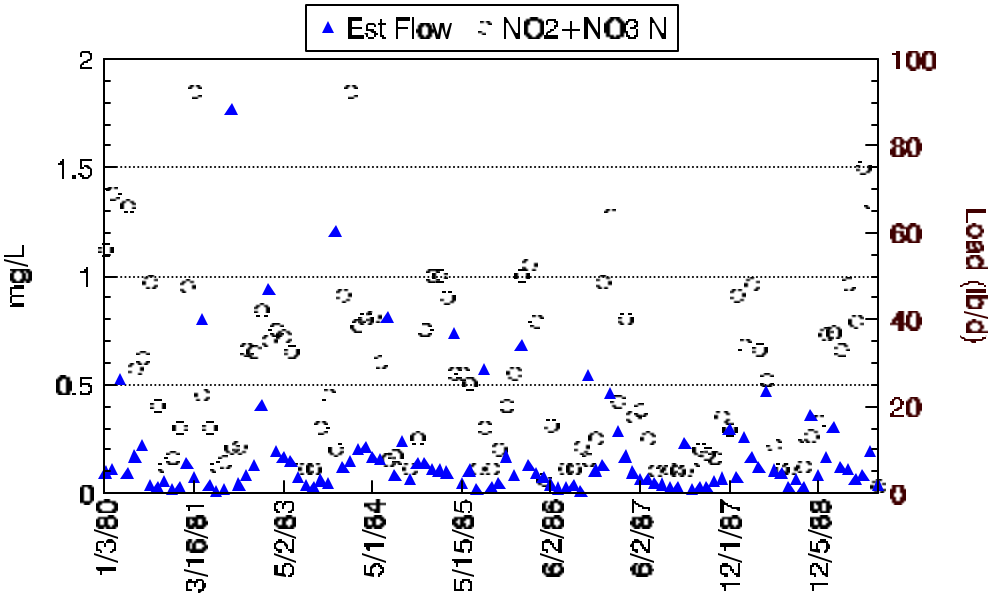
Flows Estimated as Coochs Gage * 0.41 based on Drainage Area Ratio

Muddy Run - Becks Pond
Flows < 2.7 cfs



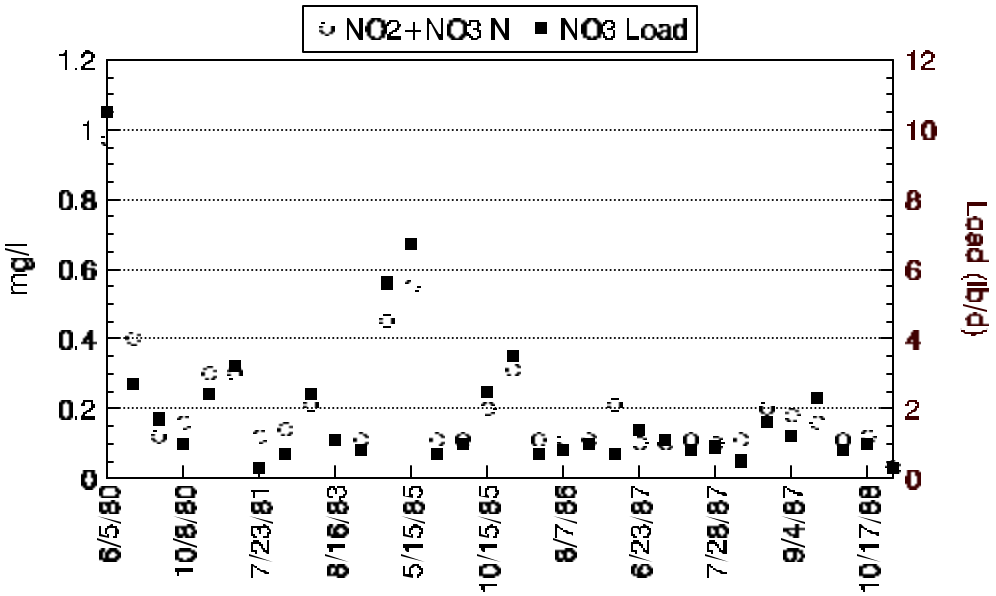
Flows Estimated as Coochs Gage * 0.41 based on Drainage Area Ratio

Muddy Run - Becks Pond
All Data

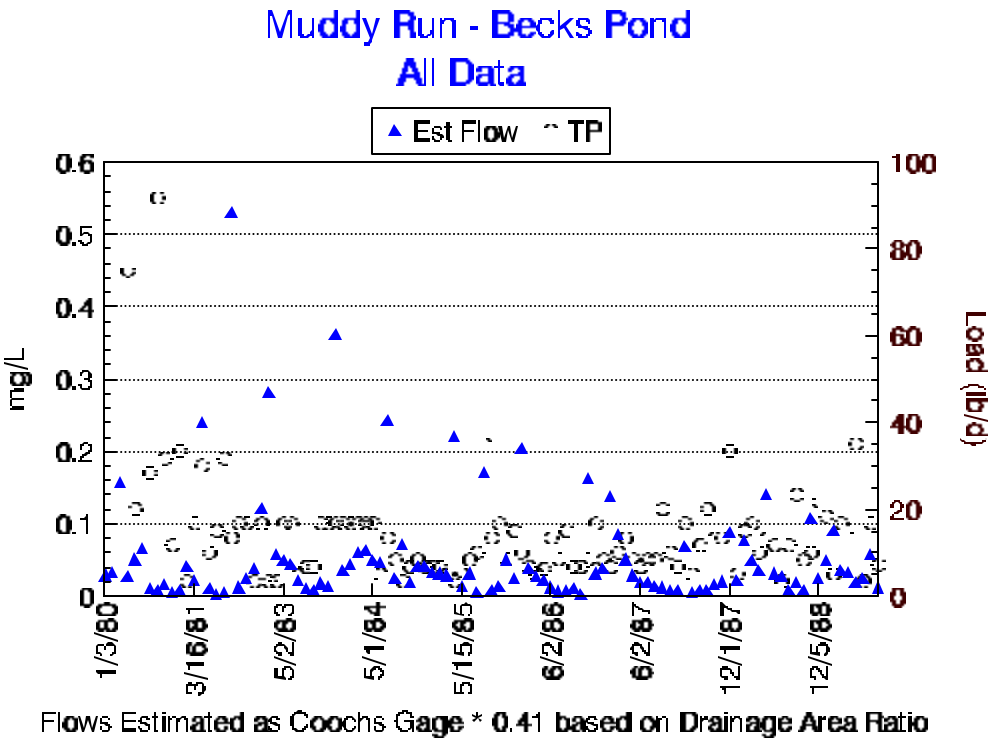


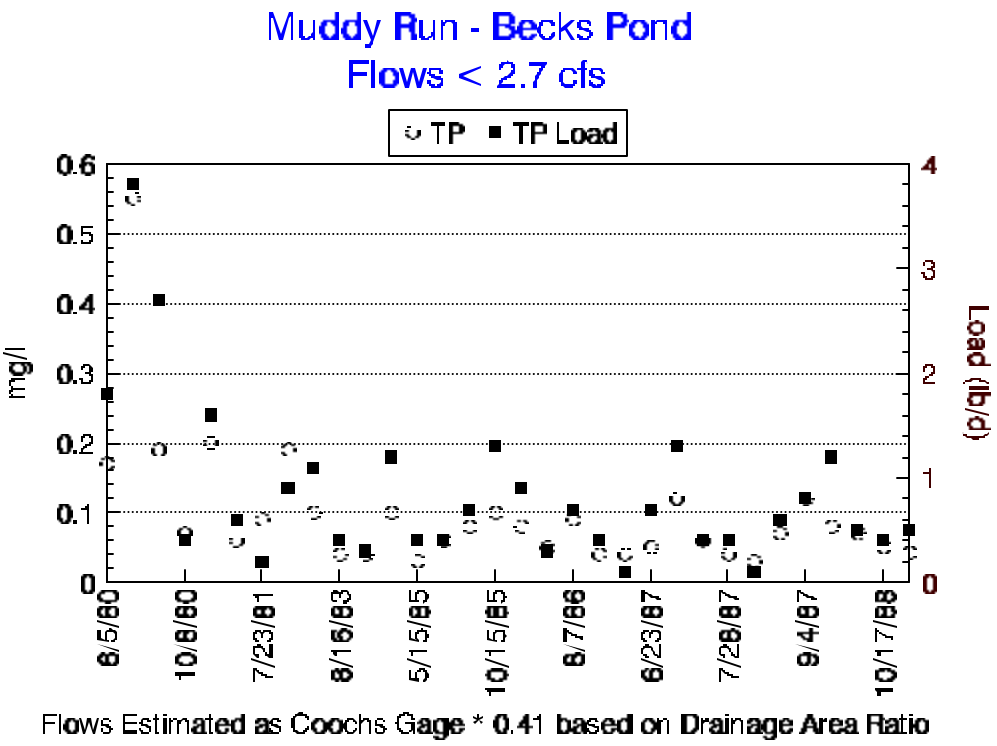
Flows Estimated as Coochs Gage * 0.41 based on Drainage Area Ratio

Muddy Run - Becks Pond
Flows < 2.7 cfs

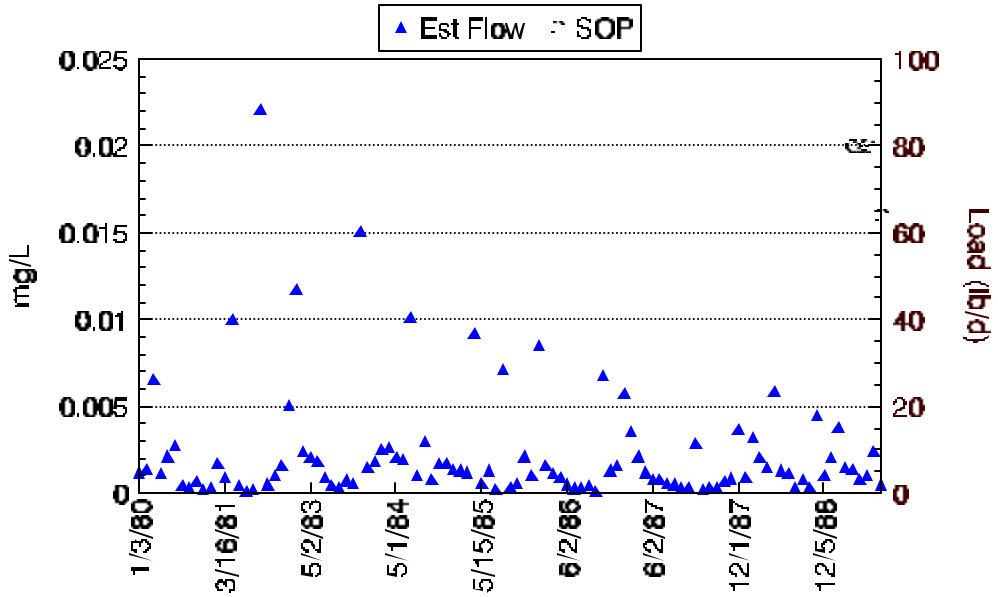


Flows Estimated as Coochs Gage * 0.41 based on Drainage Area Ratio


Muddy Run - Becks Pond
All Data
Est Flow
TP
mg/L
Load (lb/d)
0.6
0.5
0.4
0.3
0.2
0.1
0
100
80
60
40
20
0
1/3/80
3/16/81
5/2/83
5/1/84
5/15/85
6/2/86
6/2/87
12/1/87
12/5/88
Flows Estimated as Coochs Gage * 0.41 based on Drainage Area Ratio

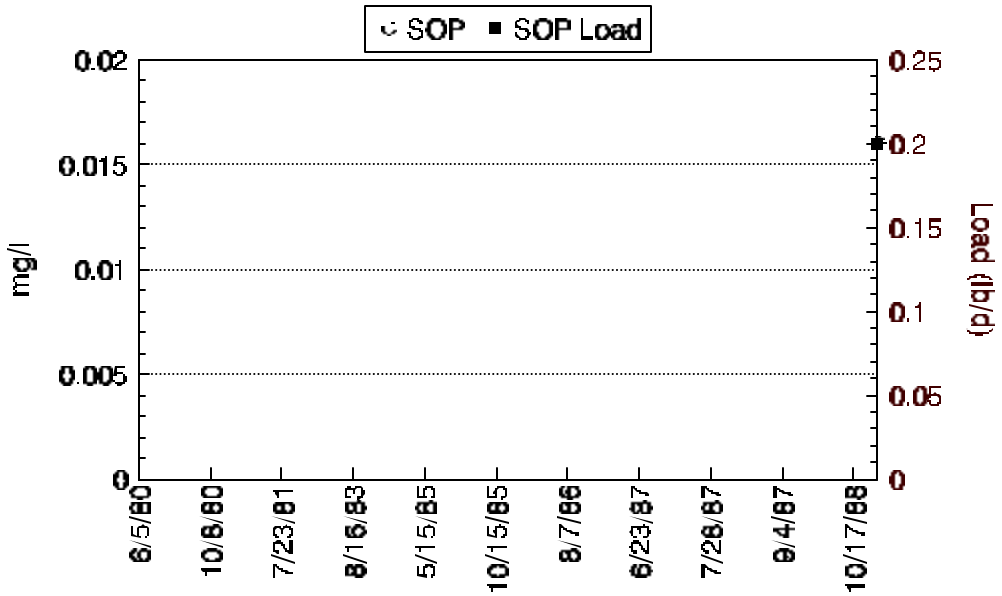

Muddy Run - Becks Pond
Flows < 2.7 cfs
TP
TP Load
mg/l
Load (lb/d)
0.6
0.5
0.4
0.3
0.2
0.1
0
4
3
2
1
0
8/5/80
10/8/80
7/23/81
8/16/83
5/15/85
10/15/85
8/7/86
6/23/87
7/28/87
9/4/87
10/17/88
Flows Estimated as Coochs Gage * 0.41 based on Drainage Area Ratio

Muddy Run - Becks Pond
All Data



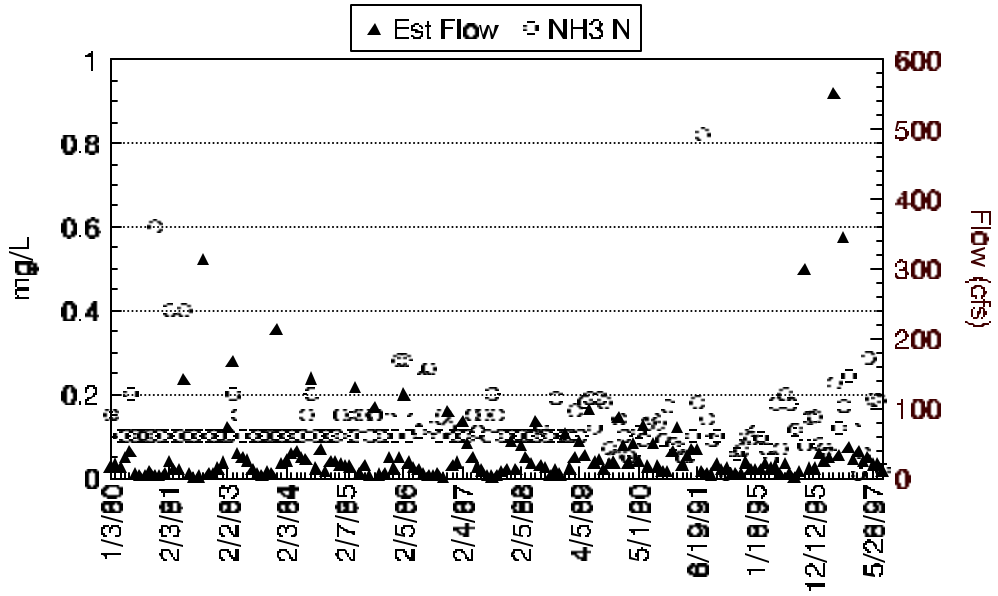
Flows Estimated as Coochs Gage * 0.41 based on Drainage Area Ratio

Muddy Run - Becks Pond
Flows < 2.7 cfs



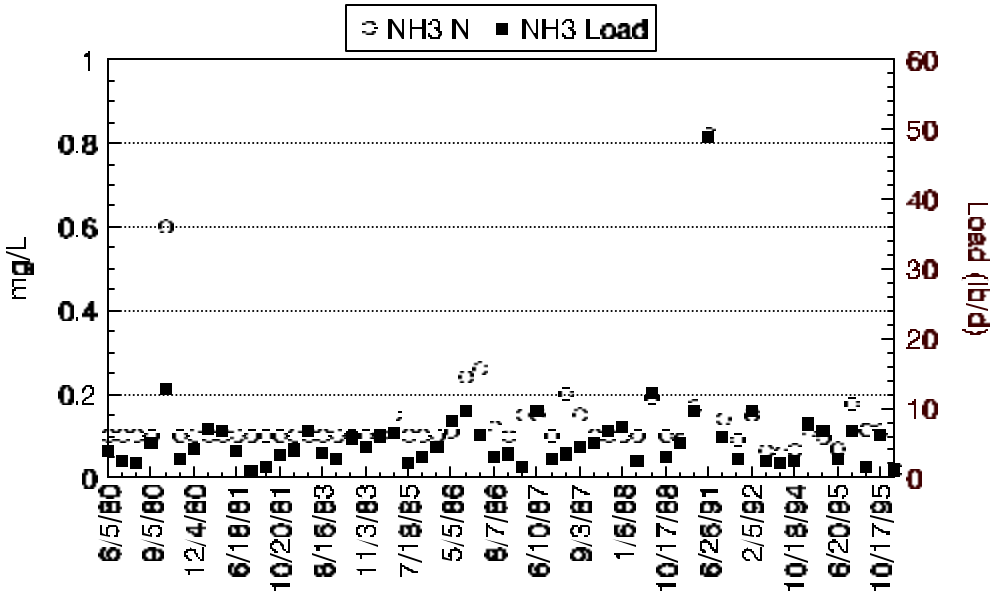
Flows Estimated as Coochs Gage * 0.41 based on Drainage Area Ratio

Christina River at Smalleys Dam Outflow
All Data



Flows Estimated based on Coochs Br. gage * 1.45

Christina River at Smalleys Dam Outflow
Est. Flows < 9.4 cfs



Flows Estimated based on Coochs Br. gage * 1.45