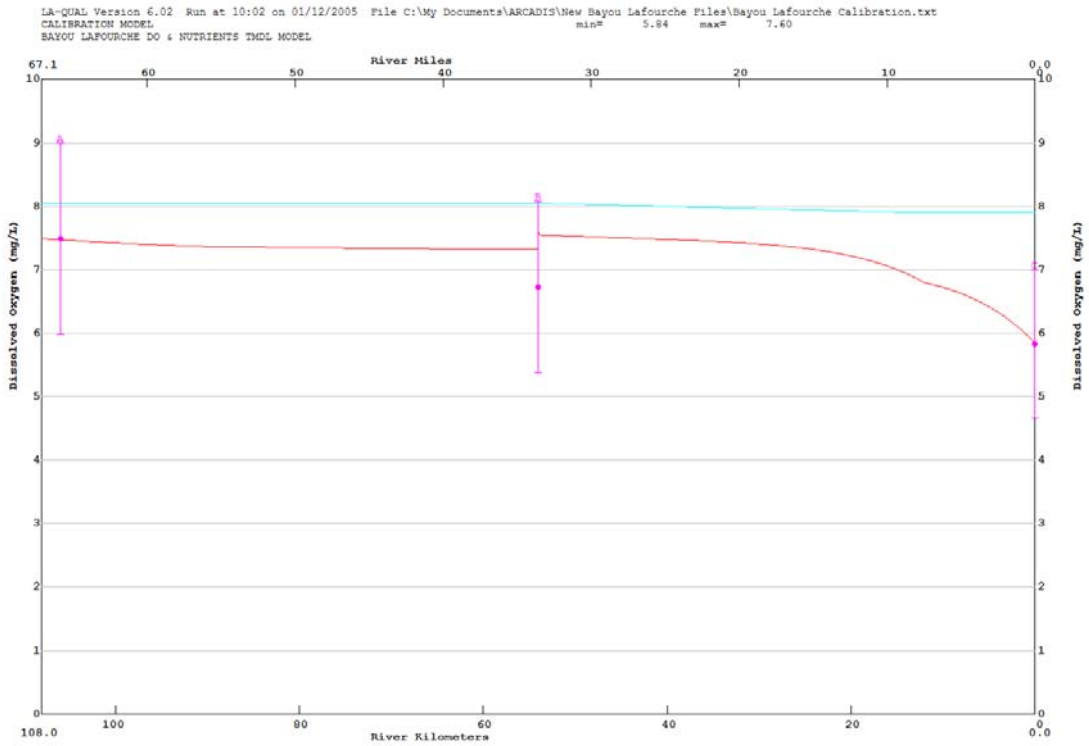
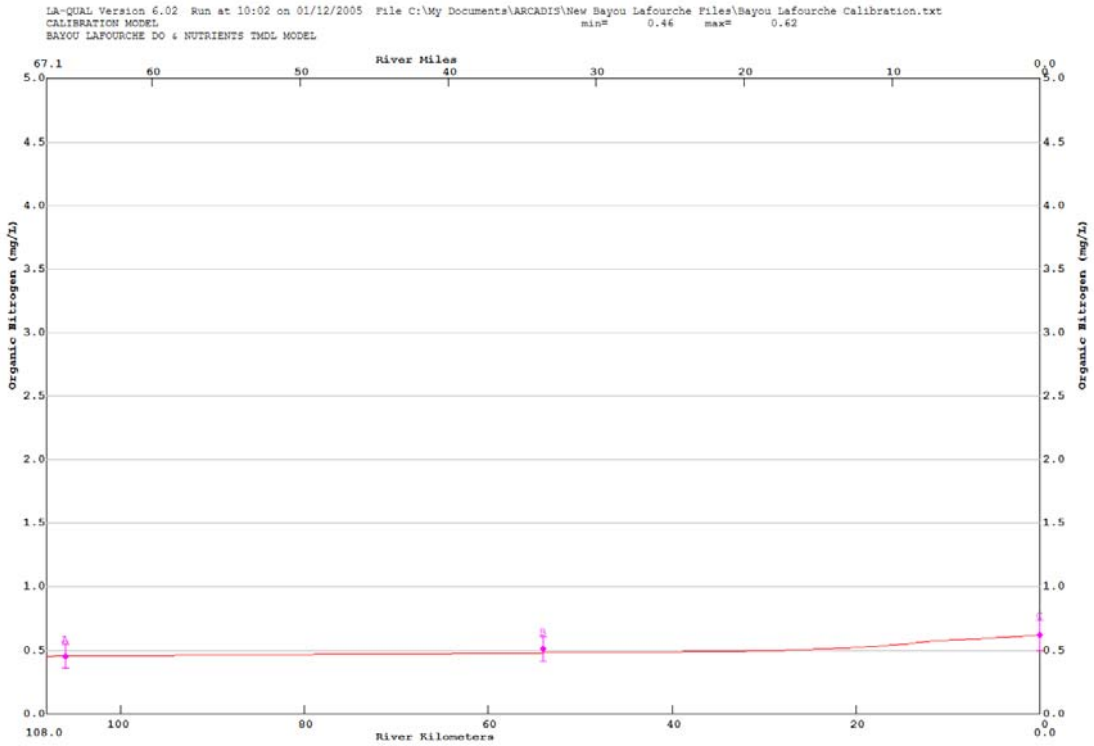
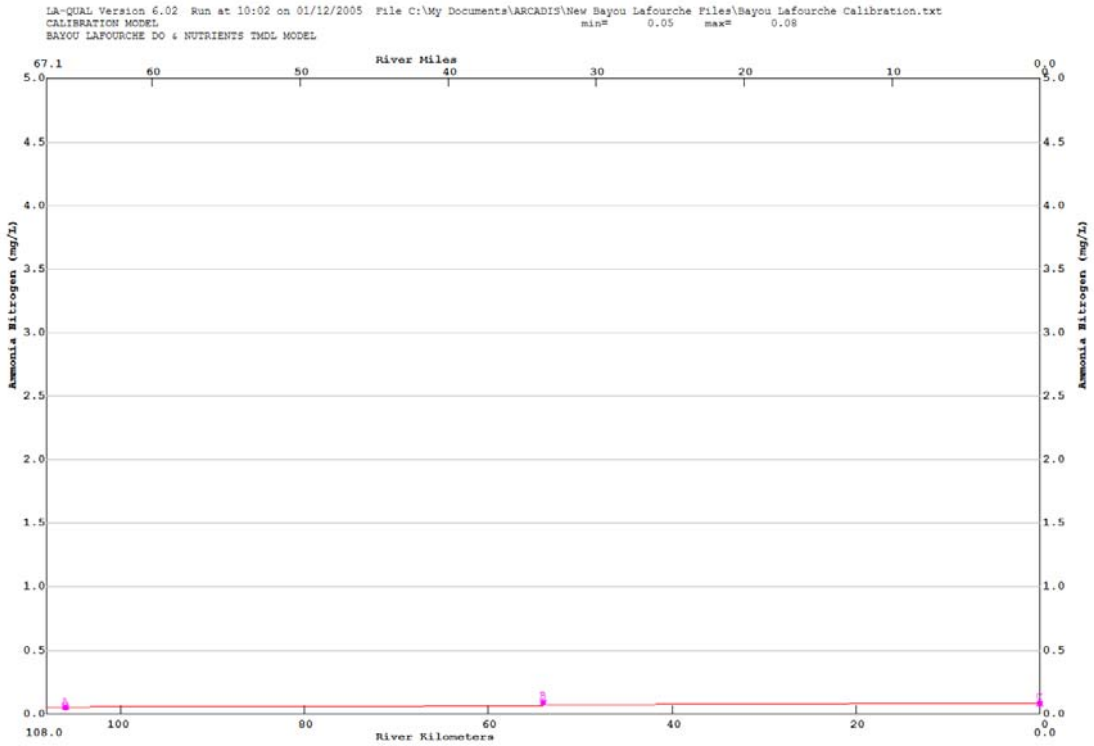
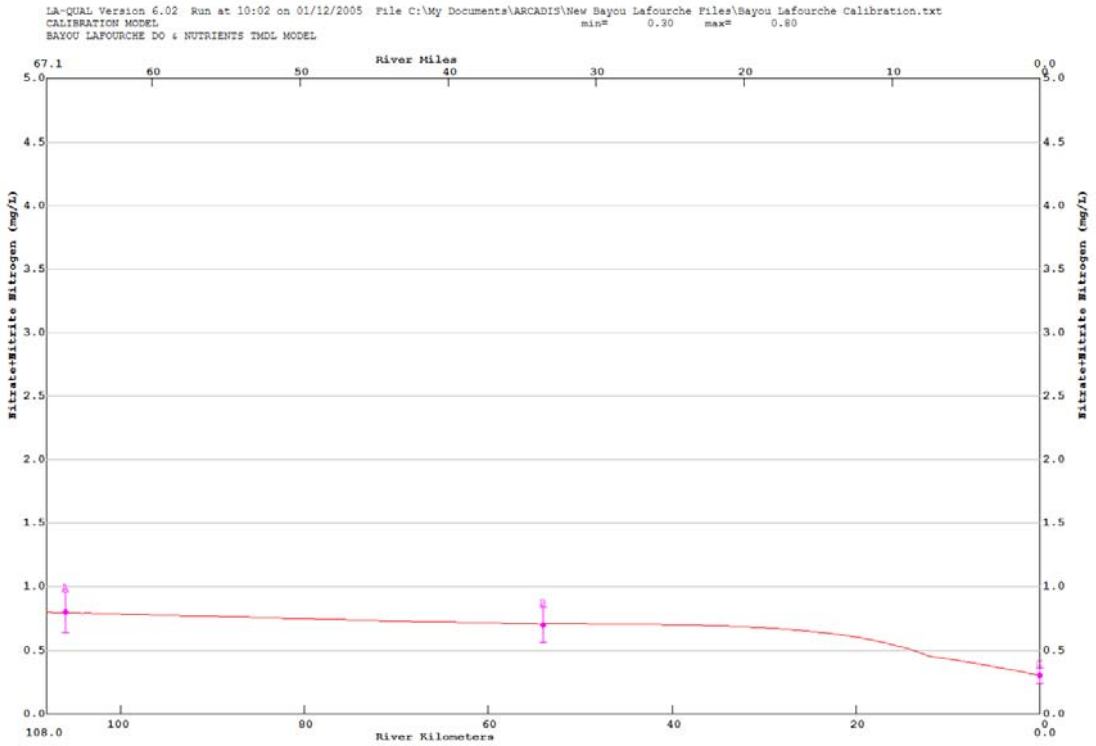
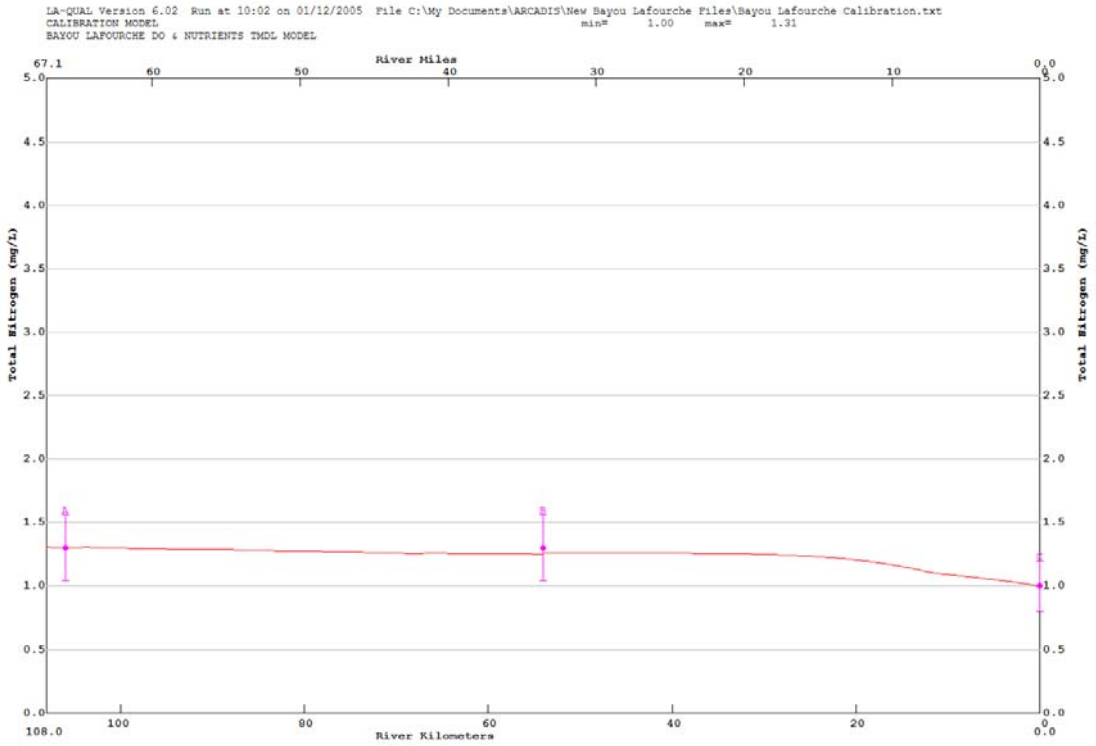
Bayou Lafourche TMDL
Calibration Graphs

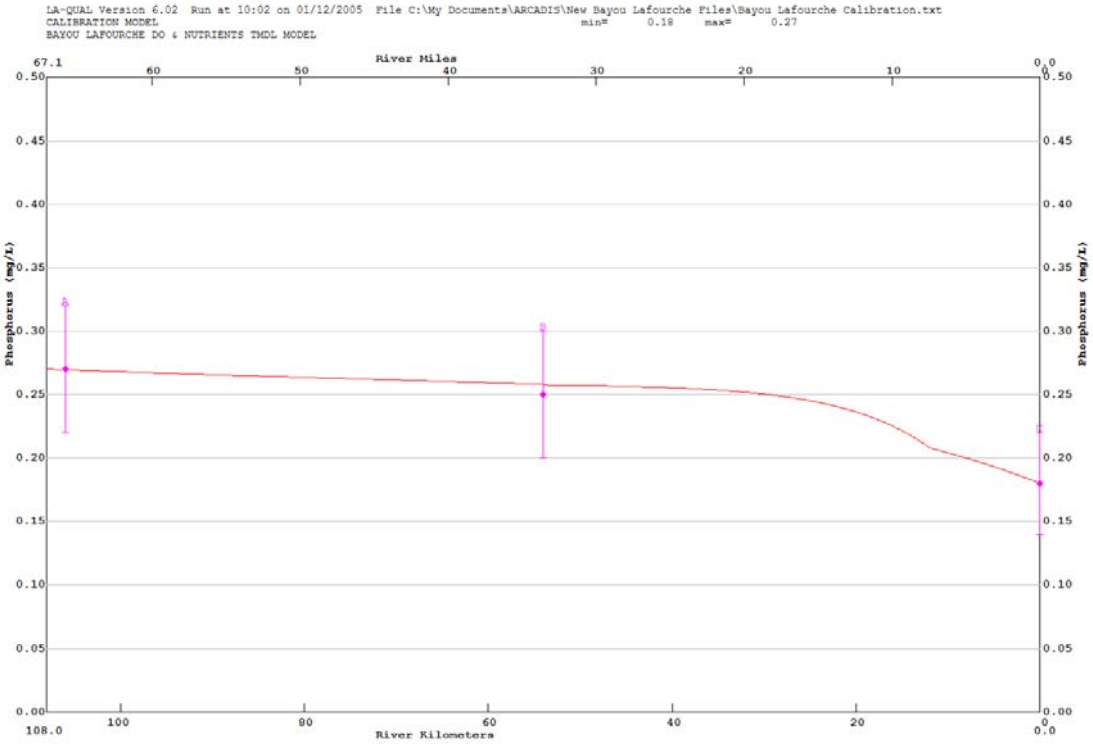


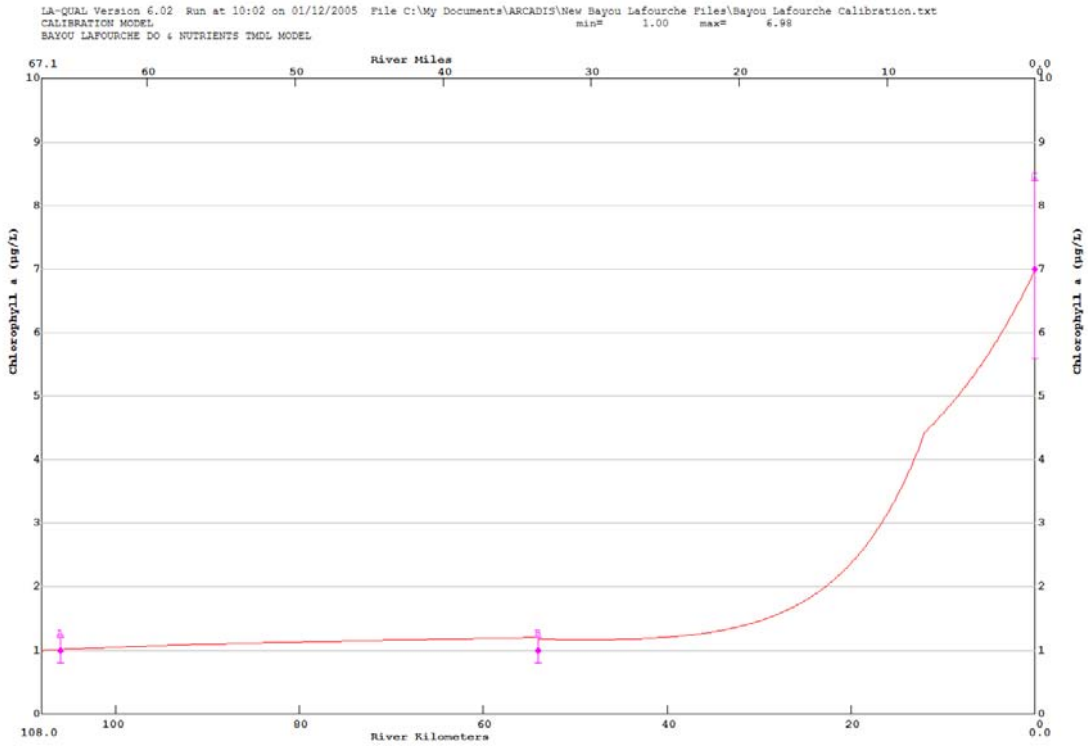

LA-QUAL Version 6.02 Run at 10:02 on 01/12/2005 File C:\My Documents\ARCADIS\New Bayou Lafourche Files\Bayou Lafourche Calibration.txt
CALIBRATION MODEL
min= 0.46 max= 0.62
BAYOU LAFOURCHE DO & NUTRIENTS TMDL MODEL
River Miles
67.1
60
50
40
30
20
10
0.0
Organic Nitrogen (mg/L)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
108.0
100
80
60
40
20
0
0.0
River Kilometers

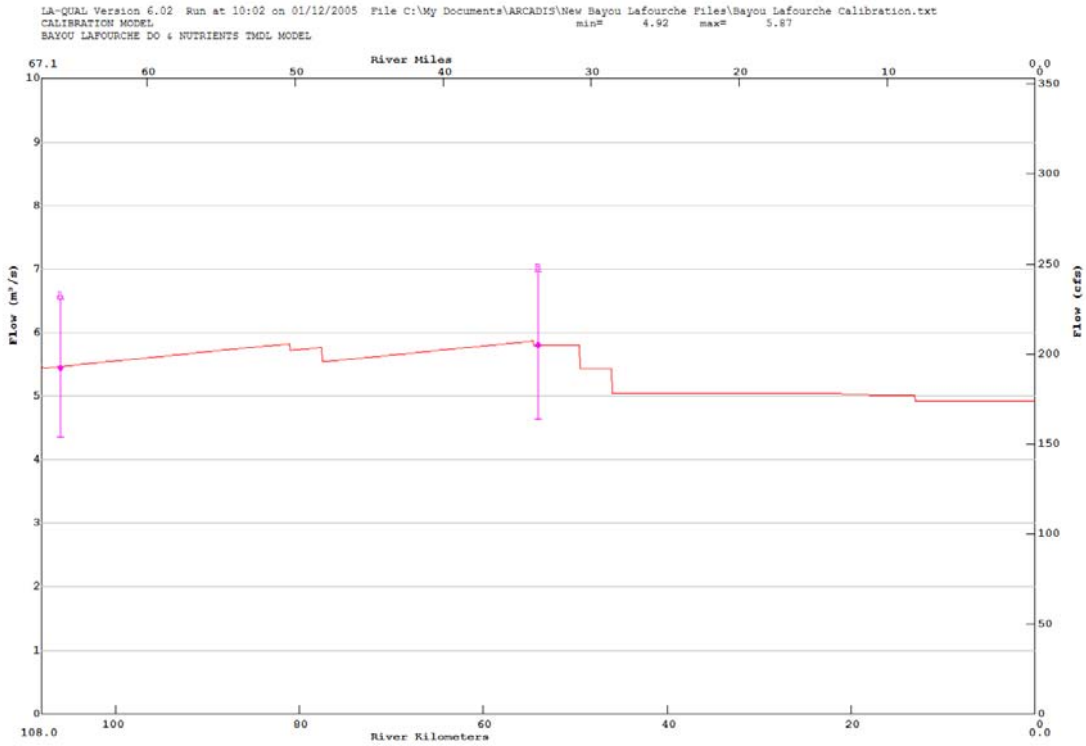

LA-QUAL Version 6.02 Run at 10:02 on 01/12/2005 File C:\My Documents\ARCADIS\New Bayou Lafourche Files\Bayou Lafourche Calibration.txt
CALIBRATION MODEL
min= 0.05 max= 0.08
BAYOU LAFOURCHE DO & NUTRIENTS TMDL MODEL
River Miles
67.1
60
50
40
30
20
10
0.0
Ammonia Nitrogen (mg/L)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
108.0
100
80
60
40
20
0
0.0
River Kilometers

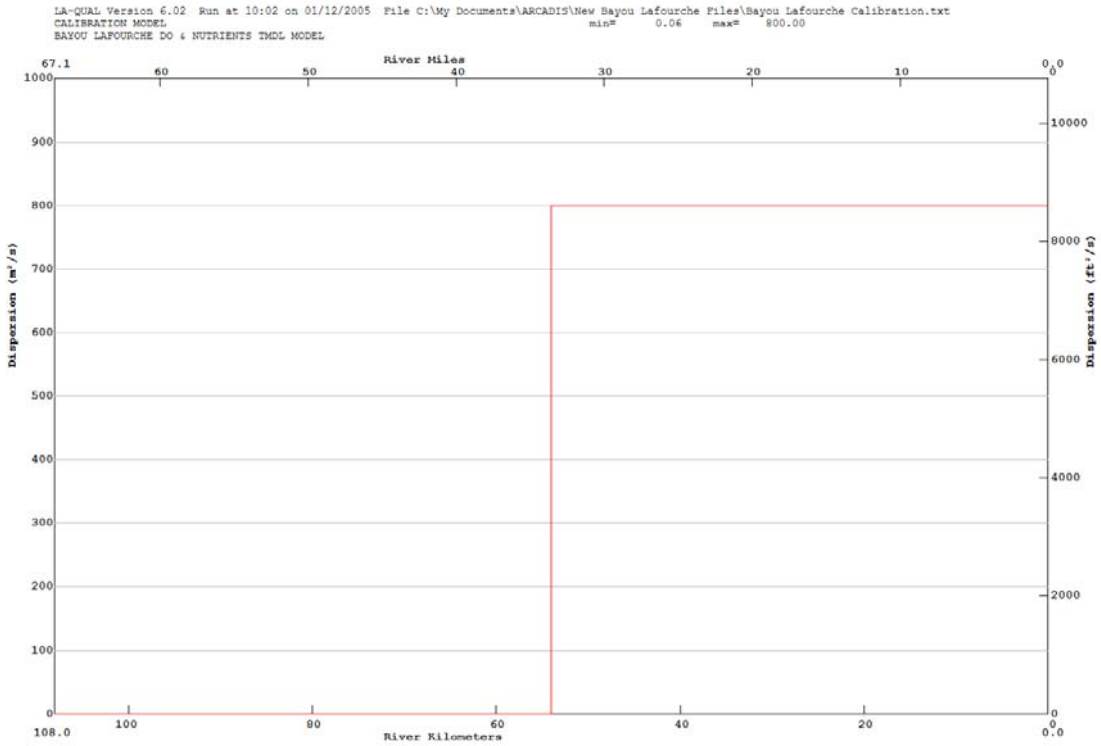

LA-QUAL Version 6.02 Run at 10:02 on 01/12/2005 File C:\My Documents\ARCADIS\New Bayou Lafourche Files\Bayou Lafourche Calibration.txt
CALIBRATION MODEL min= 0.30 max= 0.80
BAYOU LAFOURCHE DO & NUTRIENTS TMDL MODEL
River Miles
River Kilometers
Nitrate+Nitrite Nitrogen (mg/L)

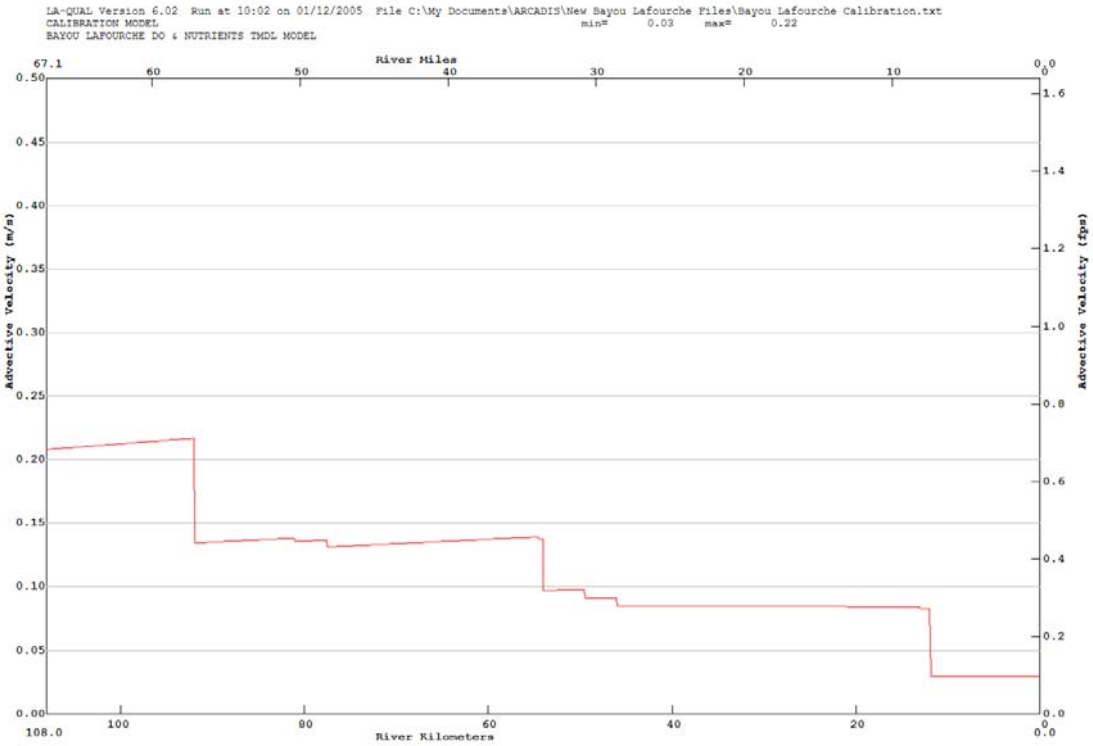

LA-QUAL Version 6.02 Run at 10:02 on 01/12/2005 File C:\My Documents\ARCADIS\New Bayou Lafourche Files\Bayou Lafourche Calibration.txt
CALIBRATION MODEL min= 1.00 max= 1.31
BAYOU LAFOURCHE DO & NUTRIENTS TMDL MODEL
River Miles
River Kilometers
Total Nitrogen (mg/L)

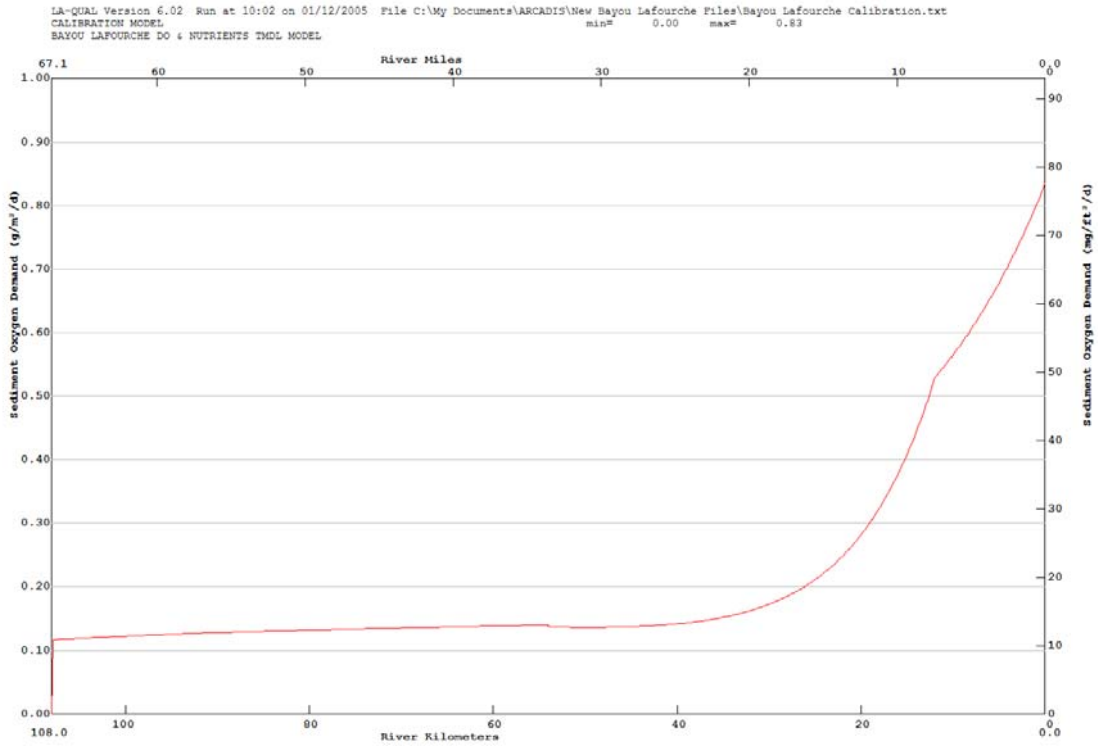

LA-QUAL Version 6.02 Run at 10:02 on 01/12/2005 File C:\My Documents\ARCADIS\New Bayou Lafourche Files\Bayou Lafourche Calibration.txt
CALIBRATION MODEL
min= 0.18 max= 0.27
BAYOU LAFOURCHE DO & NUTRIENTS TMDL MODEL
River Miles
67.1
60
50
40
30
20
10
0.0
Phosphorus (mg/L)
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
108.0
100
80
60
40
20
0
0.0
River Kilometers


LA-QUAL Version 6.02 Run at 10:02 on 01/12/2005 File C:\My Documents\ARCADIS\New Bayou Lafourche Files\Bayou Lafourche Calibration.txt
CALIBRATION MODEL
min= 1.00 max= 6.98
BAYOU LAFOURCHE DO & NUTRIENTS TMDL MODEL
River Miles
67.1
60
50
40
30
20
10
0.0
Chlorophyll a (µg/L)
River Kilometers
108.0
100
80
60
40
20
0.0


LA-QUAL Version 6.02 Run at 10:02 on 01/12/2005 File C:\My Documents\ARCADIS\New Bayou Lafourche Files\Bayou Lafourche Calibration.txt
CALIBRATION MODEL
min= 4.92 max= 5.87
BAYOU LAFOURCHE DO & NUTRIENTS TMDL MODEL
River Miles
67.1
60
50
40
30
20
10
0.0
Flow (m³/s)
Flow (cfs)
River Kilometers
108.0
100
80
60
40
20
0.0


LA-QUAL Version 6.02 Run at 10:02 on 01/12/2005 File C:\My Documents\ARCADIS\New Bayou Lafourche Files\Bayou Lafourche Calibration.txt
CALIBRATION MODEL
min= 0.06 max= 800.00
BAYOU LAFOURCHE DO & NUTRIENTS TMDL MODEL
River Miles
67.1
60
50
40
30
20
10
0.0
River Kilometers
108.0
100
80
60
40
20
0.0
Dispersion (m²/s)
Dispersion (ft²/s)
1000
900
800
700
600
500
400
300
200
100
0
10000
8000
6000
4000
2000
0


LA-QUAL Version 6.02 Run at 10:02 on 01/12/2005 File C:\My Documents\ARCADIS\New Bayou Lafourche Files\Bayou Lafourche Calibration.txt
CALIBRATION MODEL
min= 0.03 max= 0.22
BAYOU LAFOURCHE DO & NUTRIENTS TMDL MODEL
River Miles
67.1
60
50
40
30
20
10
0.0
Advective Velocity (m/s)
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Advective Velocity (fps)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
108.0
100
80
60
40
20
0.0
River Kilometers


LA-QUAL Version 6.02 Run at 10:02 on 01/12/2005 File C:\My Documents\ARCADIS\New Bayou Lafourche Files\Bayou Lafourche Calibration.txt
CALIBRATION MODEL
min= 0.00 max= 0.83
BAYOU LAFOURCHE DO & NUTRIENTS TMDL MODEL
River Miles
67.1
60
50
40
30
20
10
0.0
Sediment Oxygen Demand (g/m²/d)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Sediment Oxygen Demand (mg/ft²/d)
90
80
70
60
50
40
30
20
10
0
108.0
100
80
60
40
20
0.0
River Kilometers