

Final Report: Coon Fork Lake Watershed BMPs Lake Protection Grant: LPT-293-06

The Coon Fork Lake Watershed Best Management Practice Grant LPT-293-06 was implemented by a team of resource professionals located in Clark County, Eau Claire County, and Jackson County Land Conservation Departments. Other participants included the Eau Claire County Health Department, Fall Creek High School, Adopt-A-Lake Volunteers, Eau Claire and Clark County Parks and Forestry Departments, and WI Department of Natural Resources. The grant was written to implement the activities listed in the Coon Fork Lake Management Plan, November 2004. Project activities were implemented over the course of four years- 2006-2010. All best management practices were completed in 2009 and further data collection occurred in 2010. The grant was originally proposed and written by Gregg Stangl, Clark County- County Conservationist and Jean Schomisch, Eau Claire County- County Conservationist, neither of which are currently employed by their respective counties. Despite the changing faces of staff, Clark County, in partnership with Eau Claire and Jackson Counties, was able to successfully implement the grant. The Coon Fork Lake Watershed conservation efforts received a write-up in the *2006 Land and Water Conservation Annual Progress Report* that is given to all members of the executive and legislative branches of Wisconsin government. The success story was popular enough that it was reprinted as an article in the “2008 Land & Water Conservation: West Central Region” DATCP publication. Exhibit A contains a copy of both success stories.

During the implementation of the grant, it became clear that many of the farmers that were contacted were already complying with the soil and water conservation standards as listed in NR151. Furthermore, many farmers were willing to implement BMPs, however some did not feel that it was necessary to receive any cost-share payments for their conservation efforts. The Exhibit B spreadsheet only lists those BMPs that were installed under a cost-share agreement, but the “project deliverables” section lists additional practices that were implemented, but not cost-shared using state or local funding. Follow-up performed by Clark County Land Conservation Department staff in September of 2010 confirmed that all of the cost-shared and non cost-shared BMPs were still being implemented. Furthermore, one farmer who was initially unwilling to implement any conservation BMPs has now begun the process of expansion, which will require compliance with NR151 and the local Animal Manure Management Ordinance. Once this farmer implements those practices, an additional ~800 acres of nutrient management/conservation plan, one manure storage, one sand separating land, and other farmstead runoff control practices will be implemented, thereby providing additional non-point source pollution control measures.

According to the grant, the following activities were proposed to reduce the nutrient inputs from animal waste.

1. Apply for State grants to offer cost-sharing assistance for the installation of Best Management Practices.
2. Contact all livestock farmers about developing Nutrient Management Plans.
3. Identify and offer assistance to farms that are eligible for barnyard runoff control and manure storage practices.

4. Provide technical and financial assistance for installing needed Best Management Practices.
5. Identify sites where cattle have access to tributary streams and offer stream fencing, cattle crossings, and managed grazing incentives.

It was also proposed to reduce cropland sediment and fertilizer inputs by:

1. Encouraging farms to maintain grass buffer strips by enrolling in buffer initiative programs such as the USDA Continuous Conservation Reserve Program.
2. Identifying and assisting farms with grass waterway installation.
3. Providing incentives for farms to plant more cropland acres with reduced tillage methods

According to the grant the following project results were listed as to be included in the final report.

1. Number of project participants
2. Number of cost-share agreements
3. Number of best management practices installed
4. Acres of soil and water conservation plans
5. Acres of nutrient management plans
6. Total costs of BMP installation
7. Total staff hours and costs
8. Estimated pollutant load reductions

The results of the project are as follows:

1. The total number of participants was seven different farms: three in Clark County, three in Jackson County, and one in Eau Claire County.
2. The total number of cost-share agreements was eight: two in Clark County, two in Eau Claire County, and four in Jackson County.
3. The total number of best management practices installed was eighteen: six barnyard runoff control systems, four nutrient management plans, three animal trails and walkways, one stream crossing, one grassed waterway, one manure storage, one heavy use area protection system, and one livestock exclusion/fencing practice.
4. The total number of acres of soil and water conservation plans is 1,331 acres: Clark County, 1,014 acres; Eau Claire County, 192 acres; and Jackson County, 125 acres.
5. The total number of acres of nutrient management plans is 1,331 acres: Clark County, 1,014 acres; Eau Claire County, 192 acres; and Jackson County, 125 acres.
6. The total costs for all of the contracted BMP installation was \$284,678.65: \$182,168.25 cost-share payments and \$102,510.40 landowner payments.
7. The total staff hours and costs are 1,131.50 hours for a total cost of \$28,982.00: engineering assistance 900 hours for a cost of \$22,500.00, administrative assistance 231.50 hours for a cost of \$6,482.00.
8. The estimated total pollutant load reduction from the installation of the BMPs exceeded 191.3 lbs of phosphorus: Clark County 86.2 lbs, Eau Claire County 28.1, and Jackson County 77.0 lbs.

The projected project deliverables are as follows:

1. Feed Management- 400 animal units.
2. Contour Cropping- 220 acres.
3. Grassed Waterway- 11.5 acres.
4. Manure Storage Facilities- 2 units.
5. Streambank Fencing- 9,000 feet.
6. Cattle Crossings- 2 units.
7. Grade Stabilization- 4 units.
8. Barnyard Runoff Control System- 1 unit.
9. Buffer Strips- 12 acres.
10. Nutrient Management Planning- 1,050 acres.

The actual project deliverables are as follows:

1. Feed Management- 1,000 animal units (non-contracted).
2. Contour Cropping- 382 acres (non-contracted).
3. Grassed Waterway- 3 acres (contracted).
4. Manure Storage Facilities- 3 total (1 contracted, 2 non-contracted).
5. Streambank Fencing- 5,970 linear feet (all contracted).
6. Cattle Crossing- 4 units (all contracted).
7. Grade Stabilization- 0 units.
8. Barnyard Runoff Control System- 6 units (all contracted).
9. Buffer Strips- 5.31 acres (all contracted).
10. Nutrient Management- 1,331.0 acres (317 acres contracted/1,014 non-contracted).

Exhibit B is an attached spreadsheet listing those practices which were contracted through a cost-share agreement. A sample of the cost-agreements used to sign landowners up is attached as Exhibit C.

Monitoring of the surface water quality was conducted by the Eau Claire Health Department and the Fall Creek High School. Those results are included in Exhibit D. Water quality monitoring on Coon Fork Lake will need to continue even as we move beyond the Lake Management Plan implementation phase. It is important to know the effects of best management practices (BMP's) installed in the Coon Fork Lake Watershed. A water quality response to BMP installation may assist in adjusting the Coon Fork Lake Management Plan so that resource managers can optimize available dollars and BMP efficiency. On the other hand, a lack of water quality response may signal a need for the resource managers to revise the management plan and apply other strategies to achieve the desired goal.

In the future, work will continue in the Coon Fork Watershed. Most efforts will be focused at maintaining the implementation of nutrient management plans and following up with the "on-the-fence" landowners who expressed interest in implementing conservation BMPs, but couldn't find a pair of "government socks" warm enough to heat their "conservation cold feet."

2006

Exhibit A

Wisconsin Land and Water Conservation Annual Progress Report

Sent to all members of
Wisconsin Legislative + Executive Branches
file w/ Cody +
Matt



Local Conservation Accomplishments

Locally Led Conservation Programs

Emerging Challenges

CONSERVATION SUCCESS STORY

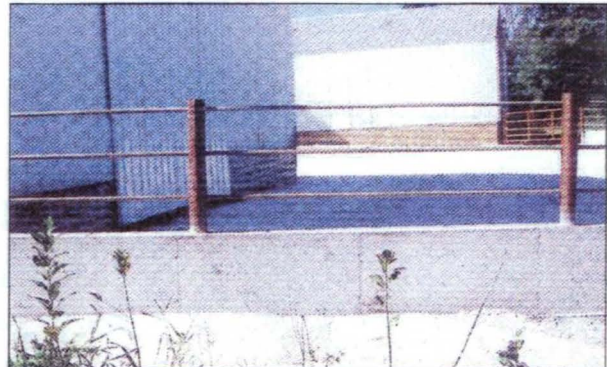
Coon Fork Lake Watershed— Clark County

Coon Fork Lake, located in Eau Claire County, faced a significant challenge from agricultural non-point pollution. Coon Fork Lake is situated in a heavily used public park with more than 17,000 camper days per year. After large rainfall events, high fecal coliform levels were present at the beaches and the trophic status of the lake was reclassified as eutrophic (due to the large amounts of phosphorus entering from the 31,700 acre watershed). In 2005, three counties, Clark, Jackson, and Eau Claire, teamed up to devise solutions for this challenge. The first step was to write a lake management plan. Upon plan completion, funding was secured through a DNR lake management grant. The grant funds were used to install, throughout the three counties, several best management practices aimed at reducing the amount of sediment and manure entering into the lake.

In Clark County, these efforts helped the Humbird Area Farm improve both the environment and farm working conditions. Initially, this family farm had an inadequately sized barnyard and steep eroding pastures abutting an intermittent waterway. This waterway had experienced significant sedimentation and nutrient deposition. The banks were severely flattened out causing spring runoff to spill out far beyond the natural floodplain, which in turn caused the surrounding pasture to become even more saturated. The barnyard and pasture, which has lost more than a foot and a half of manure-laden soil over the past several years, had become a hazard to the operation and caused the farm building foundations to begin sinking. After a year of planning, the farmer implemented numerous BMPs, including 4,000 feet of waterway fencing, livestock crossings, a barnyard runoff control system with multiple filter strips, terraced pasture, and a farmer-written nutrient management plan. In the future, raised reinforced lanes and a watering system will be installed. The installation of these BMPs has contributed to not only the environmental sustainability of Coon Fork Lake and the farm, but also to the economic sustainability of the farm. Cows are cleaner, somatic cell counts are lower, working conditions are safer, and better managed manure applications have reduced the need for commercial fertilizer inputs.



Before: Just prior to construction, the barnyard shows a destabilized building foundation.



After: The new barnyard will collect runoff, and will protect the building's foundation.



LAND & WATER CONSERVATION WEST CENTRAL REGION

WWW.DATCP.STATE.WI.US

Data for this handout was collected in the 2007 Annual Activities Report. Each county must submit this report to DATCP in order to remain eligible for funding through the Soil and Water Resource Management grant program. These data have been summarized by Land and Water region and are presented in separate handouts.

Statewide Highlights

Wisconsin's counties have a long tradition of working to reduce soil erosion, conserving natural resources and protecting the state's agricultural lands. In 2007, most counties devoted significant staff and cost-share resources to soil erosion control and over half devoted resources to nutrient management activities. Nutrient management efforts have resulted in over 1 million acres under nutrient management plans. In addition to these activities, counties have prioritized local concerns such as shoreland management and invasive species control. And though lack of funding for staff and cost share are often barriers to fully implementing program goals, counties have adapted in order to address high priority concerns.

West Central Region

Located on the northern edge of Wisconsin's driftless area, the West Central region has a diverse landscape. And while areas near Eau Claire and the Twin Cities are experiencing heavy development, much of the region remains rural. In 2007, nearly all of the counties devoted significant resources to manure and nutrient management. Counties also implemented soil erosion control measures in both agricultural and urban areas by ensuring best management practices were installed and maintained.

West Central Highlights

- Manure and nutrient management were top activities for many of the counties in the region, resulting in 118,000 acres under nutrient management plans.
- Four counties in the region conducted the transect survey to assess soil erosion on cropland.
- Counties assisted agronomists and farmers with nutrient management plan development by hosting individual and group training sessions.
- Counties completed 517 on-site inventories to determine compliance with agricultural performance standards.
- Counties performed many informational and educational activities in 2007, including 98 youth events.

Increased funding for nutrient management planning is being made available and many counties are taking advantage of it. In the West Central region, half of the ten counties in the region listed nutrient management as a priority in their Land and Water Resource Management workplan and eight listed nutrient management planning as one of their top activities in 2007. Most county activities have focused on the process of nutrient management planning. This has included training or assisting farmers and agronomists in nutrient management planning, developing plans, and following up with farmers or agronomists on nutrient management planning issues. One county alone reported holding 93 trainings, developing 52 plans, and reviewing 134 plans. These efforts and others have resulted in nearly 118,000 acres of cropland in the region under nutrient management plans. Based on 2000 Census data, this represents almost 8 percent of the total cropland in the region. As programs mature and more funding becomes available, this number is expected to grow.

Soil erosion control continues to be a key area of concern throughout the state. In 2007, nearly all the counties in the region addressed sheet and rill erosion using planning methods such as Snap Plus. They also designed and installed grassed waterways to address ephemeral and gully erosion. In 2007 four counties completed the annual transect survey to assess agricultural soil erosion conditions. The transect survey is a method for estimating cropland soil erosion based on a visual

County	2006	2007
Dunn	78%	74%
Pierce	78%	78%
Polk	70%	86%
Saint Croix	75%	73%

Table 1: Percentage cropland meeting "T"

soil erosion based on a visual

examination of field conditions. Table 1 summarize data for counties that reported transect data during 2006 and 2007.

Counties throughout the state use different approaches to check compliance and enforce the agricultural performance standards and prohibitions. Some counties have incorporated them into local regulations, such as manure storage ordinances. In the West Central region, three counties have included the performance standards and one has included the prohibitions in their ordinance.

Counties in the region performed 517 on-site inventories to determine compliance in 2007. Farmland Preservation Program (FPP) participants are required to comply with the agricultural performance standards and prohibitions. This allows counties who are actively performing FPP spot-checks to check for compliance with the standards and prohibitions. A total of 478 FPP spot-checks were completed in 2007, and half of the

counties in the region used this approach when checking for compliance. Other approaches to checking compliance included selecting landowners who had signed cost-share agreements and farms identified through the county's Land and Water Resource Management priority farm strategy.

Each year one county conservation department in the region hosts a tour to highlight conservation projects in their county. In 2007, Chippewa county hosted the event. Tour highlights included projects where the county worked with partner agencies and nonprofit organizations to restore habitat and protect water resources. These annual tours provide a first-hand look at the commitment of landowners, in partnership with federal, state and local agencies, to conservation activities.

Conservation Success Story

Coon Fork Lake, located in Eau Claire County, faced a significant challenge from agricultural non-point pollution. Coon Fork Lake is situated in a heavily-used public park with more than 17,000 camper days per year. After large rainfall events, high fecal coliform levels were present at the beaches and the trophic status of the lake was reclassified as eutrophic (due to the large amounts of phosphorus entering from the 31,700 acre watershed). In 2005, three counties, Clark, Jackson, and Eau Claire, teamed up to devise solutions for this challenge. The first step was to write a lake management plan. Upon plan completion, funding was secured through a DNR lake management grant. The grant funds were used to install, throughout the three counties, several best management practices aimed at reducing the amount of sediment and manure entering into the lake.

In Clark County, these efforts helped the Humbird Area Farm improve both the environment and farm working conditions. Initially, this family farm had an inadequately sized barnyard and steep eroding pastures abutting an intermittent waterway. This waterway had experienced significant sedimentation and nutrient deposition. The banks were severely flattened out causing spring runoff to spill out far beyond the natural floodplain, which in turn caused the surrounding pasture to become even more saturated. The barnyard and pasture, which has lost more than a foot and a half of manure-laden soil over the past several years, had become a safety hazard and had caused the farm building foundations to begin sinking. After a year of planning, the farmer implemented numerous BMPs, including 4,000 feet of waterway fencing, live-stock crossings, a barnyard runoff control system with multiple filter strips, terraced pasture, and a farmer-written nutrient management plan. In the future, raised reinforced lanes and a watering system will be installed. The installation of these BMPs has contributed to not only the environmental sustainability of Coon Fork Lake and the farm, but also to the economic sustainability of the farm. Cows are cleaner, somatic cell counts are lower, working conditions are safer, and better managed manure applications have reduced the need for commercial fertilizer inputs.

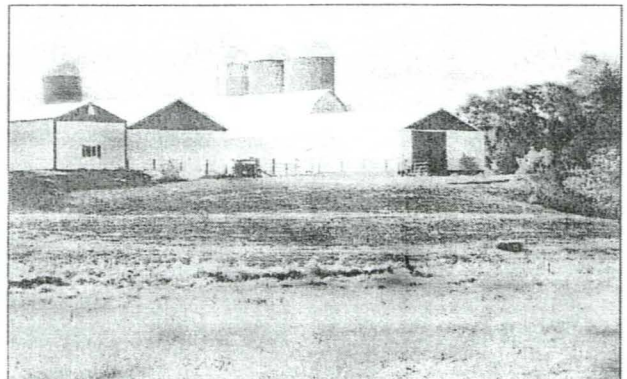


Figure 1: Terraced pastureland during construction.

2006-2009 COON FORK LAKE COST-SHARE TRACKING SHEET

Total Cost-Share Funding		\$ 196,950.00																					
TOTAL BALANCE		\$ 14,781.75		\$10,000.00 to be reimbursed for labor																			
								COST-SHARE RATE		COST-SHARE AMOUNTS													
Grant Recipient	CS #	County	Practice Description	ATCP-50 BMP Code	Year Instal led	Quantity & Units	Total Cost	State %	Grantee %	State \$	Grantee \$	Other \$	Amount Paid (State Share)	Amount Paid (Donated Share)	Total Eligible Costs	Check # County	Check # Clark Co.	Date Paid	Date Reimb. Request	County Reimb. Rec'd			
Bradley, Michael J. and Tammy F.	JC-CFL-06-01	Jackson	Barnyard Runoff Control System	50.64	2006	1	\$ 18,316.40	70%	30%	\$12,821.48	\$ 5,494.92	\$ -	\$ 12,821.48	\$ 5,494.92	\$ 18,316.40	58778	51192	9/14/2006	11/21/2007	1/22/2008			
	JC-CFL-06-01	Jackson	Nutrient Management	50.78	2007	125 ac.	\$ 1,619.20	28%	34%	\$ 457.60	\$ 545.40	\$ 616.00	\$ 457.60	\$ 1,161.40	\$ 1,619.20	65805	70236	2/14/2008	12/10/2010				
Olsen, Orville (James Baker)	JC-CFL-06-01	Jackson	Nutrient Management	50.78	2008	125ac.	\$ 1,619.20	28%	72%	\$ 457.60	\$ 1,161.40	\$ -	\$ 457.60	\$ 1,161.40	\$ 1,619.20	75060	83803	3/5/2009	12/10/2010				
	JC-CFL-07-02	Jackson	Grassed Waterway	50.96	2007	1	\$ 5,623.00	70%	30%	\$ 3,936.10	\$ 1,686.90	\$ -	\$ 3,936.10	\$ 1,686.90	\$ 5,623.00	67375	70236	2/14/2008	12/10/2010				
Bradley, Michael J. and Tammy F.	JC-CFL-08-03	Jackson	Barnyard Runoff Control System	50.64	2008	1	\$ 25,654.25	38%	62%	\$ 9,645.47	\$ 16,008.78	\$ -	\$ 9,645.47	\$ 16,008.78	\$ 25,654.25	78962	83803	3/5/2009	12/10/2010				
	JC-CFL-08-04	Jackson	Barnyard Runoff Control System	50.64	2008	1	\$ 40,396.68	70%	30%	\$ 28,277.68	\$ 12,119.00	\$ -	\$ 28,277.68	\$ 12,119.00	\$ 40,396.68	80193	83803	3/5/2009	12/10/2010				
Welti, Anthony and Jessica	JC-CFL-08-04	Jackson	Manure Storage	50.62	2008	1	\$ 16,000.00	70%	30%	\$ 11,200.00	\$ 4,800.00	\$ -	\$ 11,200.00	\$ 4,800.00	\$ 16,000.00	80193	83803	3/5/2009	12/10/2010				
	JC-CFL-08-04	Jackson	Barnyard Runoff Control System	50.64	2008	1	\$ 5,500.00	70%	30%	\$ 3,850.00	\$ 1,650.00	\$ -	\$ 3,850.00	\$ 1,650.00	\$ 5,500.00	80193	83803	3/5/2009	12/10/2010				
Boettcher, Dan	CF-06-01	Eau Claire	Barnyard Runoff Control System	50.64	2006	1	\$ 38,738.53	70%	30%	\$27,116.97	\$ 11,621.56	\$ -	\$ 27,116.97	\$ 11,621.56	\$ 38,738.53	550246	52789	10/26/2006	11/21/2007	1/22/2008			
	CF-06-01	Eau Claire	Nutrient Management	50.78	2006	150 ac.	\$ 2,016.00	50%	50%	\$ 1,008.00	\$ 1,008.00	\$ -	\$ 1,008.00	\$ 1,008.00	\$ 2,016.00	554879	70190	2/14/2008	12/10/2010				
Boettcher, Dan	CF-06-01	Eau Claire	Nutrient Management	50.78	2007	150 ac.	\$ 1,624.00	50%	50%	\$ 812.00	\$ 812.00	\$ -	\$ 812.00	\$ 812.00	\$ 1,624.00	571436	70190	2/14/2008	12/10/2010				
	DB-08-91	Eau Claire	Heavy Use Area Protection	50.64	2008	1	\$ 21,674.00	46%	31%	\$10,000.00	\$ 6,674.00	\$ 5,000.00	\$ 10,000.00	\$ 11,674.00	\$ 21,674.00	583242	78319	9/17/2008	12/10/2010				
Scheffer, Doug	CCCC - 1	Clark	Barnyard Runoff Control System	50.64	2006	1	\$ 79,550.09	70%	30%	\$55,685.06	\$ 23,865.03	\$ -	\$ 55,685.06	\$ 23,865.03	\$ 79,550.09	55150	55150	1/4/2007	11/21/2007	1/22/2008			
	CCCC - 1	Clark	Animal Trail and Walkway	50.66	2006	1	\$ 4,737.55	70%	30%	\$ 3,316.29	\$ 1,421.27	\$ -	\$ 3,316.29	\$ 1,421.27	\$ 4,737.55	55151	55151	1/4/2007	11/21/2007	1/22/2008			
CCCC - 1	CCCC - 1	Clark	Livestock Exclusion/Fencing	50.75	2007	2985' per side	\$ 6,260.00	flat= \$2/ft	flat	\$ 5,970.00	\$ 290.00	\$ -	\$ 5,970.00	\$ 290.00	\$ 6,260.00	60987	60987	6/14/2007	11/21/2007	1/22/2008			
	CCCC - 1	Clark	Nutrient Management	50.78	2007	212 ac.	\$ 1,491.00	0%	100%	\$ -	\$ 1,491.00	\$ -	\$ -	\$ 1,491.00	\$ 1,491.00	-	-	-	-	-			
CCCC - 1	CCCC - 1	Clark	Nutrient Management	50.78	2008	212 ac.	\$ 1,491.00	0%	100%	\$ -	\$ 1,491.00	\$ -	\$ -	\$ 1,491.00	\$ 1,491.00	-	-	-	-	-			
	CCCC - 1	Clark	Nutrient Management	50.78	2009	212 ac.	\$ 1,491.00	0%	100%	\$ -	\$ 1,491.00	\$ -	\$ -	\$ 1,491.00	\$ 1,491.00	-	-	-	-	-			
CCCC-2	CCCC-2	Clark	Animal Trail and Walkway	50.66	2009	1	\$ 5,861.25	70%	30%	\$ 4,102.88	\$ 1,758.38	\$ -	\$ 4,102.88	\$ 1,758.38	\$ 5,861.25	91694	91694	10/15/2009	12/10/2010				
	CCCC-2	Clark	Stream Crossing	50.65	2009	1	\$ 4,545.80	70%	30%	\$ 3,182.06	\$ 1,363.74	\$ -	\$ 3,182.06	\$ 1,363.74	\$ 4,545.80	91694	91694	10/15/2009	12/10/2010				
CCCC-2	CCCC-2	Clark	Animal Trail and Walkway	50.66	2009	1	\$ 470.08	70%	30%	\$ 329.06	\$ 141.02	\$ -	\$ 329.06	\$ 141.02	\$ 470.08	93229	93229	12/10/2009	12/10/2010				
	2006-2009 TOTALS							\$284,679.03			\$182,168.25	\$ 96,894.40	\$ 5,616.00	\$ 182,168.25	\$102,510.40	\$284,679.03							

KEY:
 Green = Cost-share complete and reimbursed to respective County by Clark County, Clark County not reimbursed by WI-DNR
 Black= Cost-share complete and Clark Co. reimbursed by DNR
 Definiton- respective County = Eau Claire or Jackson County

Exhibit B

COON FORK LAKE WATERSHED COST SHARE AGREEMENT	
Governmental Unit:	CSA #:
Watershed:	
Name of Cost Share Recipient(s):	
Street Address:	
City, State, Zip Code:	
Name of Landowner(s) (if not cost share recipient):	
Street Address:	
City, State, Zip Code:	Return to:
Legal Description of Property:	Clark County Land Conservation Department 517 Court St., Courthouse, Room 102 Neillsville, WI 54456
For more information, call or contact:	
<p>Cost share funds are provided to the cost share recipient in return for the installation, operation and maintenance of best management practices (BMP's) designed to enhance water quality. (See s. 281.65, Wis. Stats., and ch. NR 191, Wis. Adm. Code.) This agreement commits the cost share recipient, the landowner, their heirs, successors, and assigns to fulfill the cost share agreement until a satisfaction is filed by the governmental unit.</p> <p>ADDENDA WHICH DESCRIBE THE BMP'S, COSTS, INSTALLATION SCHEDULE, AND CONDITIONS ARE HEREBY INCORPORATED INTO THIS AGREEMENT AND FILED LOCALLY WITH: (Type name of governmental unit):</p>	

Landowner/Representative Date

Print or Type Name: _____

State of Wisconsin)
) ss.
_____ County)

This instrument was acknowledged before me on _____
(Date)

by _____
(Name of landowner or representative)

as _____
(Representative's position or type of authority)

for _____
(Name of entity on behalf of whom instrument was executed)

SIGNATURE PRINT NAME

Notary Public, State of Wisconsin
My commission expires _____ (is permanent)

Landowner/Representative Date

Print or Type Name: _____

State of Wisconsin)
) ss.
_____ County)

This instrument was acknowledged before me on _____
(Date)

by _____
(Name of landowner or representative)

as _____
(Representative's position or type of authority)

for _____
(Name of entity on behalf of whom instrument was executed)

SIGNATURE PRINT NAME

Notary Public, State of Wisconsin
My commission expires _____ (is permanent)

Signature of County Representative Date

Print or Type Name: _____

State of Wisconsin)
) ss.
_____ County)

This instrument was acknowledged before me on _____, 200__ by _____

as _____ of _____

SIGNATURE PRINT NAME

Notary Public, State of Wisconsin
My commission expires _____ (is permanent)

ADDENDUM 1: TERMS OF THE COST SHARE AGREEMENT

1. This agreement is subject to the provisions of s.281.65, Wis. Stats., and ch. NR 191, Wis. Adm. Code.
2. This agreement is effective beginning at the signing of this agreement by all parties through the end date of the operation and maintenance period.
3. The Best Management Practices (BMPs) listed in Addendum 2 of this agreement shall be designed, installed, operated and maintained according to the specifications identified in ch. NR 120, Wis. Adm. Code (or identified in the grant agreement between the governmental unit and the Department of Natural Resources, which provides cost-sharing funds for this project.
4. The BMP's shall be operated and maintained for a minimum of 25 years, beginning when the final BMP covered by this agreement has been installed.

When not required as a component of another practice, the following practices are exempt from the 25-year operation and maintenance period requirement and only need to be maintained during the years for which cost-sharing is received:

High residue management	Nutrient management
Cropland protection cover (green manure)	Pesticide management

5. The governmental unit, the Department of Natural Resources and the Department of Agriculture, Trade and Consumer Protection have the right to site inspect for BMP installation, operation and maintenance.
6. The full amount of all cost share payments paid out under this agreement shall be repaid by the landowner to the governmental unit or the Department of Natural Resources if any term of this agreement is not fulfilled, including:
 - a. Failure to install, operate or maintain a BMP in accordance with the terms of this agreement and s. 281.65, Wis. Stats., and ch. NR 191, Wis. Adm. Code or
 - b. Adopting or changing any land use, practice or management which defeats the purpose of an BMP covered by this agreement or which will result in the degradation of existing water quality, or
 - c. Changing land use or management on the entire property described in this agreement which may cause sources of pollution which were adequately managed at the time this agreement was signed to produce an increased pollutant loading to surface water or groundwater. If such change in land management occurs, the landowner shall control the source at his or her own expense or return the full amount of all cost share payments.
7. Repayment of cost share payments is not required if the governmental unit determines a BMP is rendered ineffective due to circumstances beyond the cost share agreement recipient's control.

8. The parties to this agreement may not discriminate against any contractor hired to fulfill any responsibility under this agreement because of age, race, religion, color, handicap, sex, physical condition, developmental disability or national origin.
9. Technical assistance for the design of BMPs listed in Addendum 2 of this agreement, and any amendments, shall be provided by the governmental unit unless the cost share recipient provides BMP design which has been approved by the governmental unit.
10. Cost share payments shall be made by the governmental unit to the contractor and/or landowner after the governmental unit verifies proper BMP installation.
11. The cost share recipient agrees to provide the governmental unit with copies of invoices, bills, canceled checks and other documents which document the costs and expenditures for BMP installation. The cost share recipient agrees to repay all cost share funds where costs and expenditures have not been documented.
12. The cost share rate for each BMP listed in Addendum 2 of this agreement is based on the eligible costs actually incurred and substantiated.
13. Parties to this agreement understand that their eligibility for state funding is contingent upon the parties not being delinquent in child support or maintenance payments. Delinquency in child support or maintenance payments will result in nonpayment of state cost share funds or repayment of any and all cost share funds received.
14. If a significant archeological site, based on the findings of the State Historical Society, is found where a BMP is proposed, the BMP will be relocated, redesigned, or deleted to prevent damage to the archeological site. The BMP may be deleted only if approved in writing by the Department of Natural Resources.
15. The installation of all BMPs covered by this cost share agreement is contingent upon the availability of state funds. If funds are not available to install all BMPs, repayment of funds received for installed BMPs will not be required.
16. This agreement may be amended by mutual agreement.

CSA #:

Typed Name of Landowner:

Initials:

Date:

ADDENDUM 2: Best Management Practice(s), Cost(s), and Installation Schedule

This section lists all best management practices, both those eligible and those not eligible for cost sharing, needed to control significant nonpoint sources of water pollution in eligible areas covered by this cost share agreement. As an alternative to listing all non-cost shared BMP's, this cost share agreement incorporates management activities included in the county approved **farm plan dated (enter date):**

Installation Period:
From (MM/YY) To (MM/YY)

<i>Item #</i>	<i>Field #</i>	<i>BMP Code</i>	<i>Practice Name</i>	<i>Quantity & Units</i>	<i>Unit Cost</i>	<i>Estimated Total Cost</i>	<i>State Cost Share Rate</i>	<i>Estimated Cost-Share Amount</i>	<i>Cost Share From Other Programs*</i>	<i>Estimated Year to be Installed</i>

*Identify Program **TOTALS** **

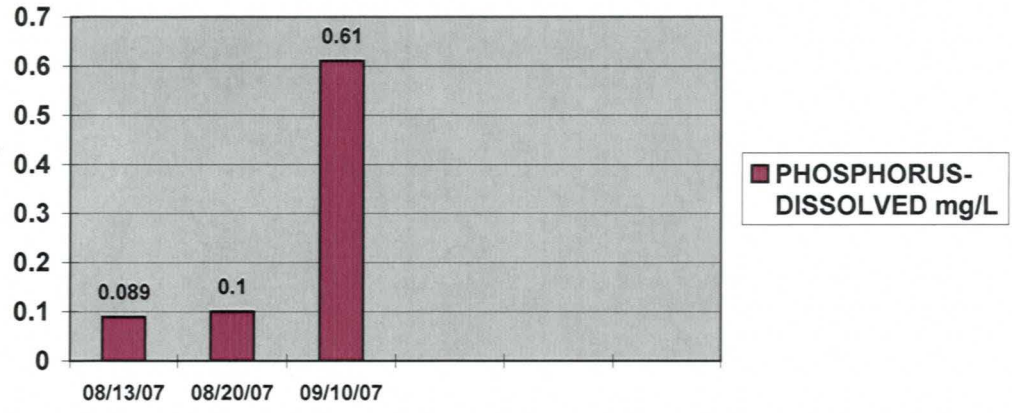
** The final cost share amount may be more or less based on actual eligible costs.

CSA #: _____ Typed Name of Landowner: _____ Initials: _____ Date: _____

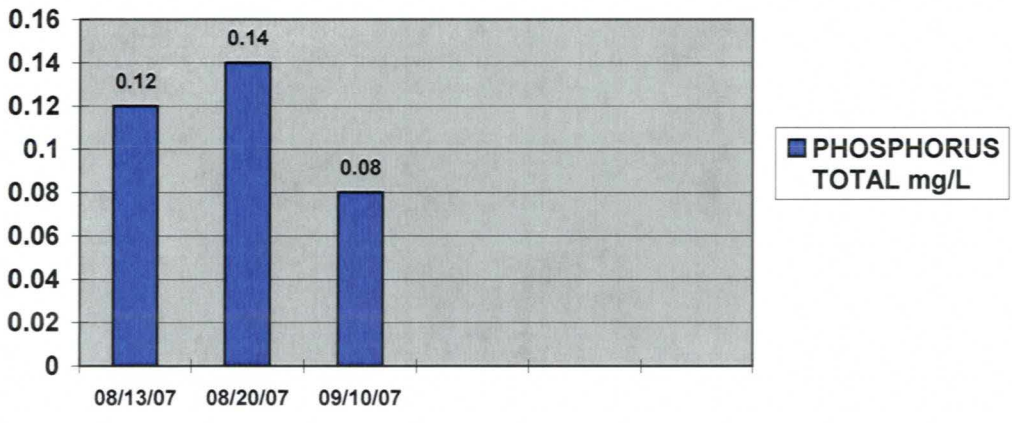
504 MC GOWER CREEK @ HWY H

DATE	PHOSPHORUS-DISSOLVED mg/L	DATE	PHOSPHORUS TOTAL mg/L	DATE	TOTAL SUSPENDED SOLIDS mg/L
08/13/07	0.089	08/13/07	0.12	08/13/07	8
08/20/07	0.1	08/20/07	0.14	08/20/07	14
09/10/07	0.61	09/10/07	0.08	09/10/07	5

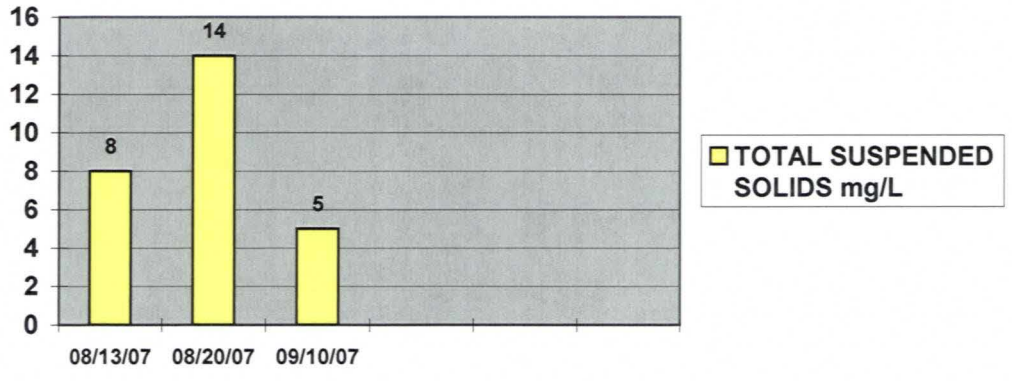
504 MC GOWER CREEK @ HWY H



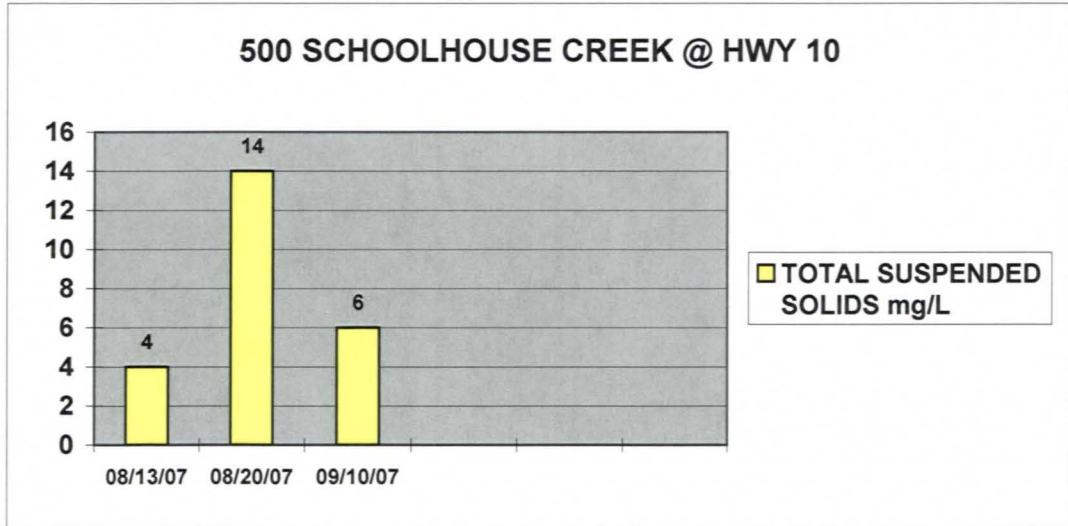
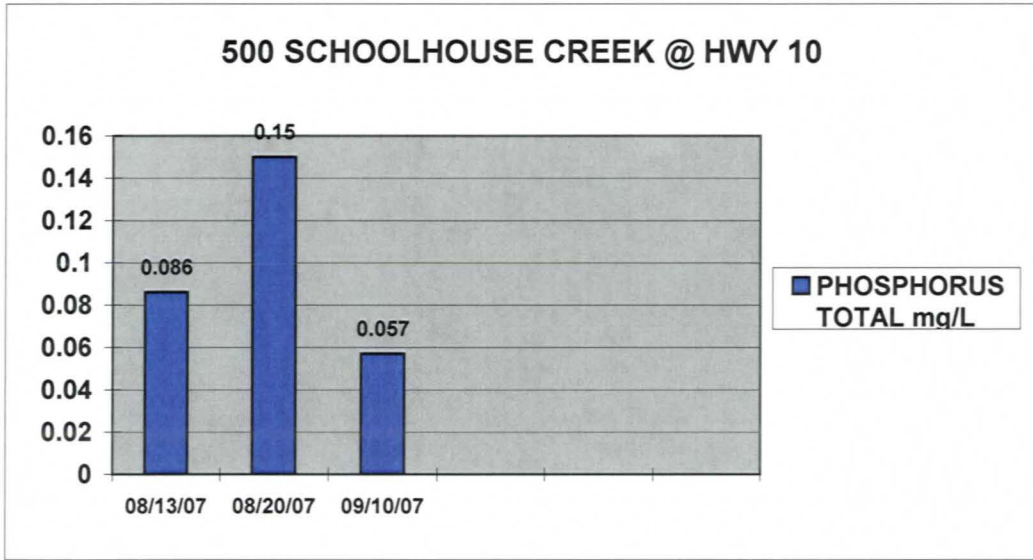
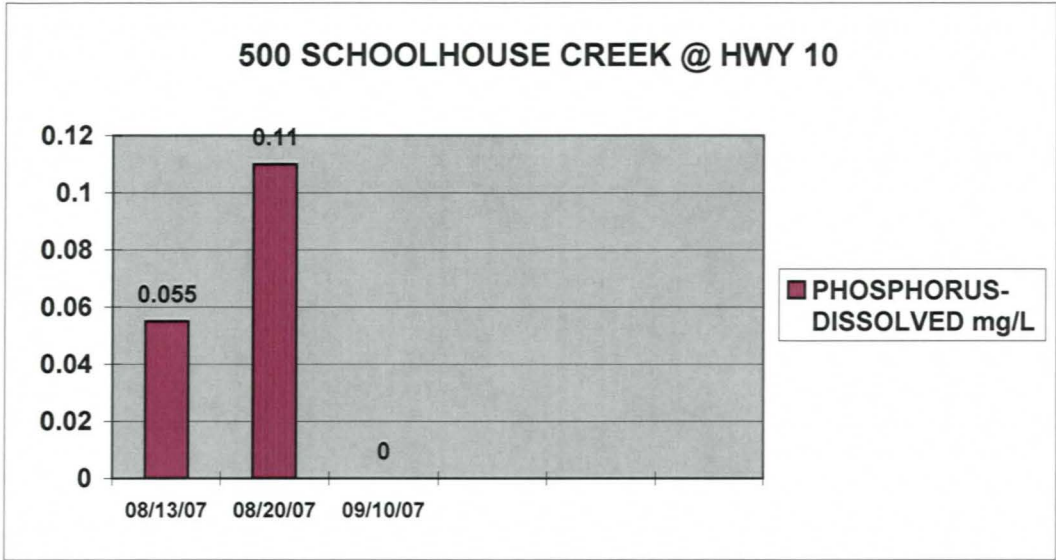
504 MC GOWER CREEK @ HWY H



504 MC GOWER CREEK @ HWY H



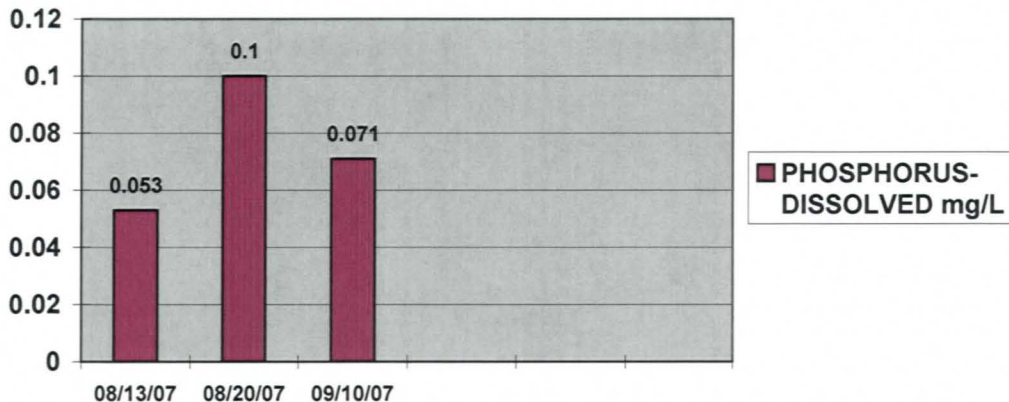
500 SCHOOLHOUSE CREEK @ HWY 10					
DATE	PHOSPHORUS-DISSOLVED mg/L	DATE	PHOSPHORUS TOTAL mg/L	DATE	TOTAL SUSPENDED SOLIDS mg/L
08/13/07	0.055	08/13/07	0.086	08/13/07	4
08/20/07	0.11	08/20/07	0.15	08/20/07	14
09/10/07	0	09/10/07	0.057	09/10/07	6



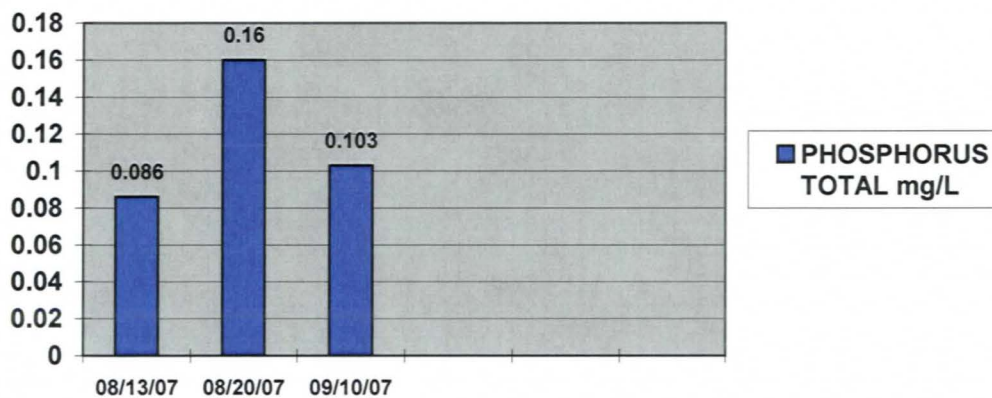
501 SCHOOLHOUSE CREEK HUMBIRD ST, FAIR

DATE	PHOSPHORUS-DISSOLVED mg/L	DATE	PHOSPHORUS TOTAL mg/L	DATE	TOTAL SUSPENDEED SOLIDS mg/L
08/13/07	0.053	08/13/07	0.086	08/13/07	4
08/20/07	0.1	08/20/07	0.16	08/20/07	10
09/10/07	0.071	09/10/07	0.103	09/10/07	6

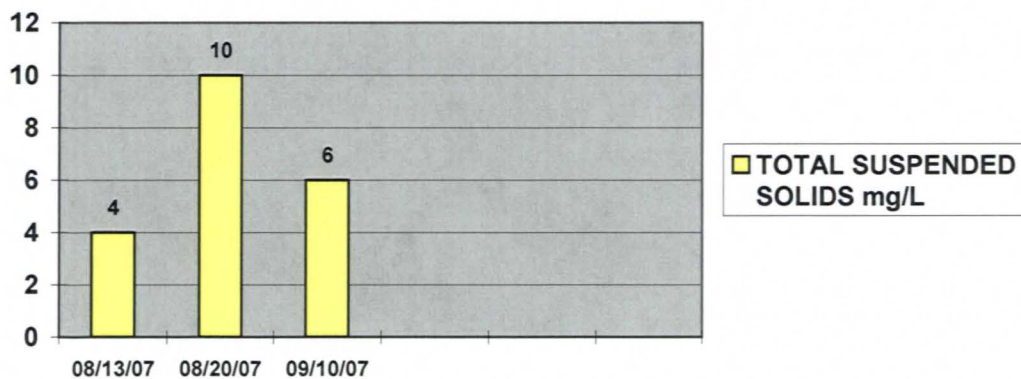
501 SCHOOLHOUSE CREEK HUMBIRD ST, FAIR



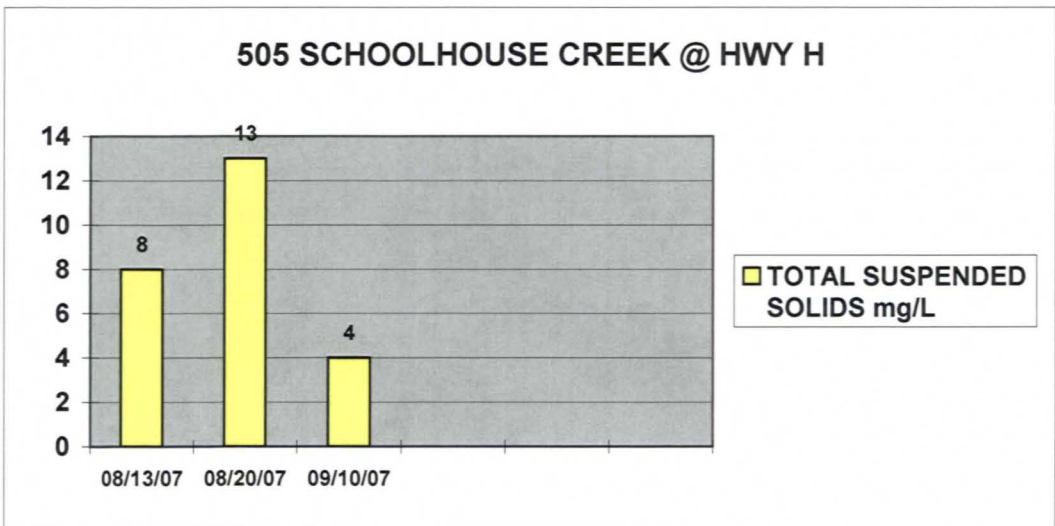
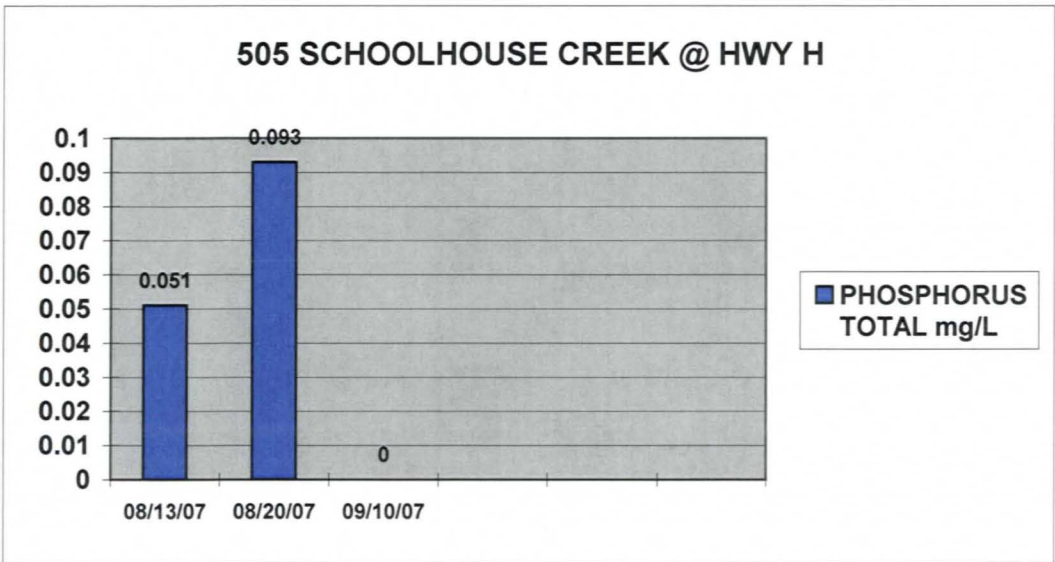
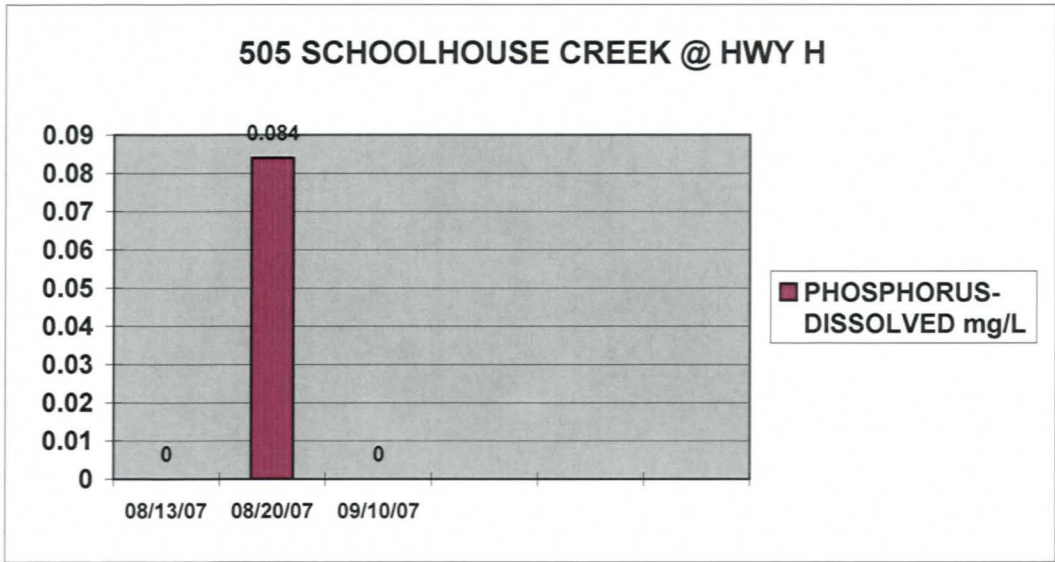
501 SCHOOLHOUSE CREEK HUMBIRD ST, FAIR



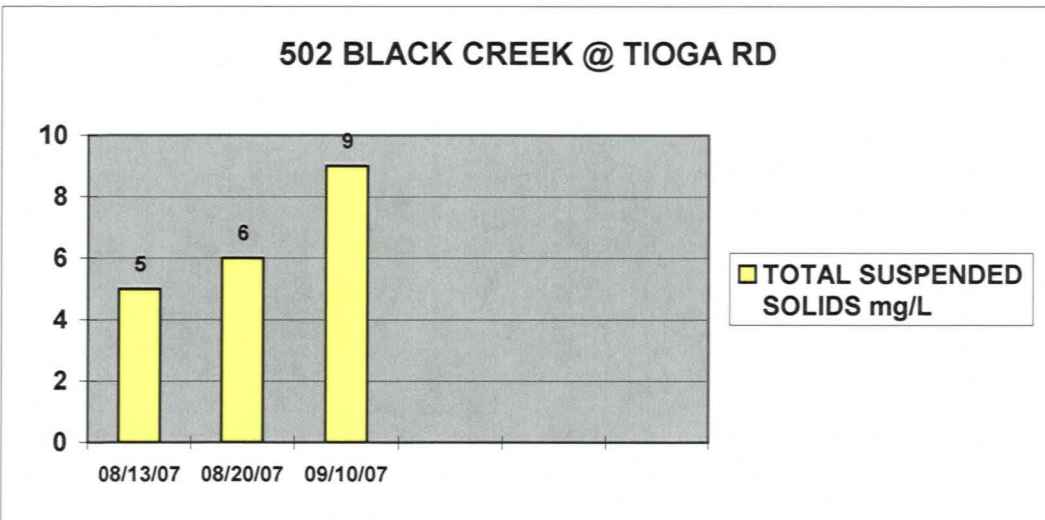
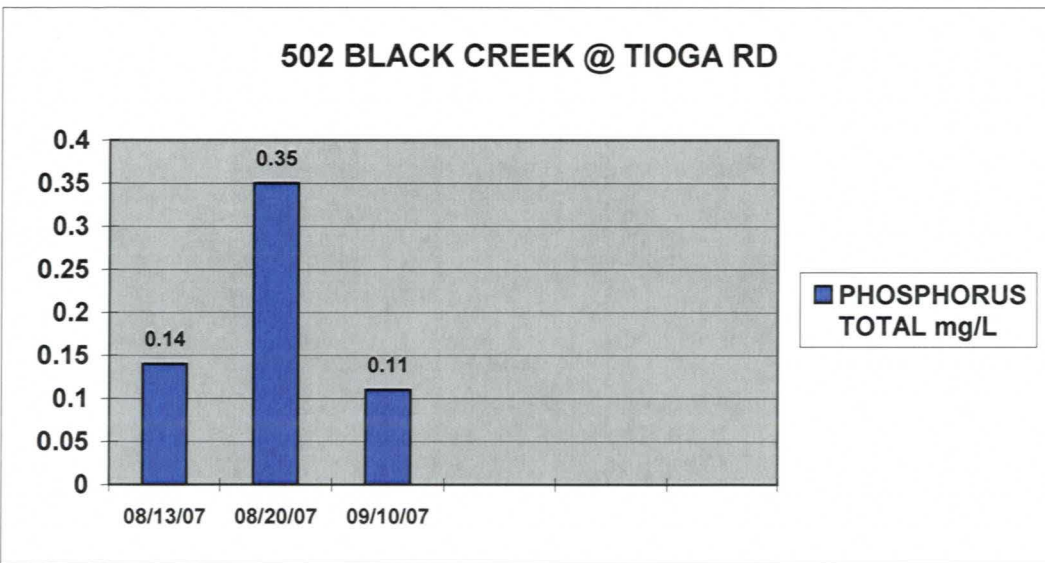
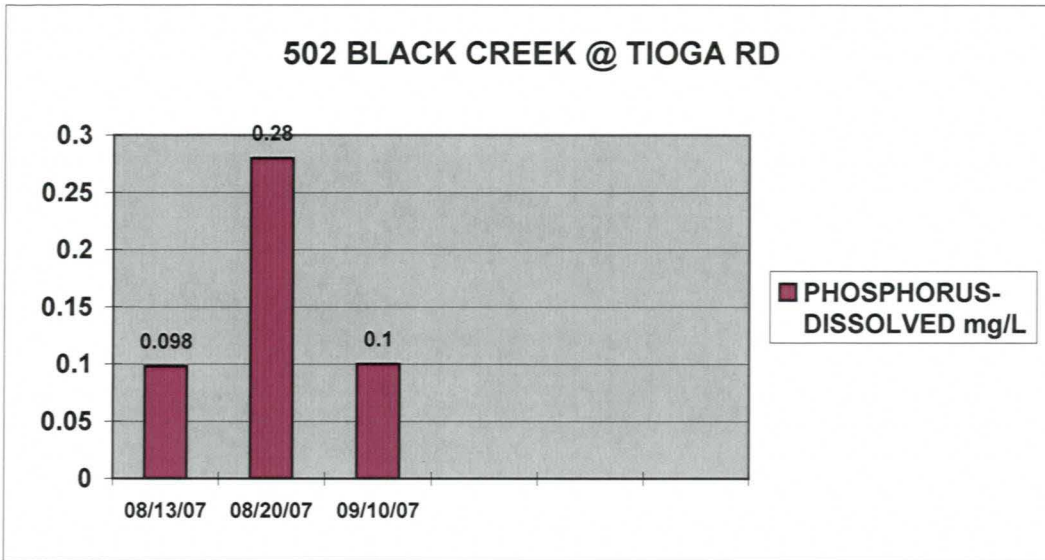
501 SCHOOLHOUSE CREEK HUMBIRD ST, FAIR



505 SCHOOLHOUSE CREEK @ HWY H					
DATE	PHOSPHORUS-DISSOLVED mg/L	DATE	PHOSPHORUS TOTAL mg/L	DATE	TOTAL SUSPENDED SOLIDS mg/L
08/13/07	0	08/13/07	0.051	08/13/07	8
08/20/07	0.084	08/20/07	0.093	08/20/07	13
09/10/07	0	09/10/07	0	09/10/07	4

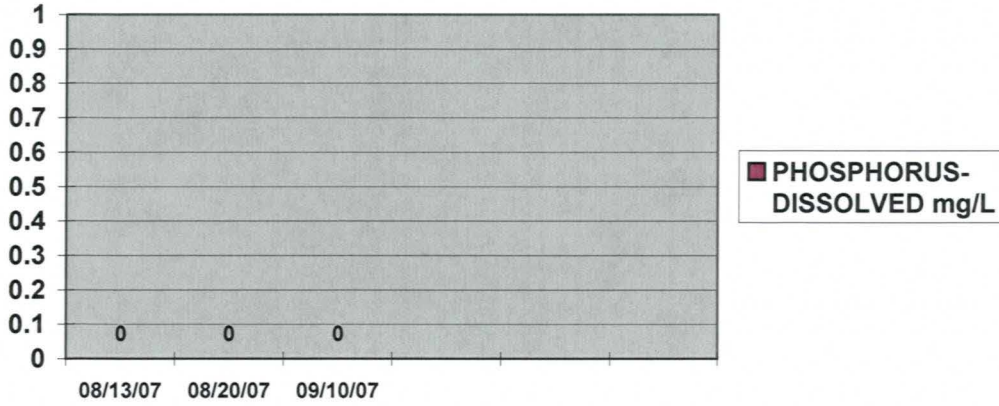


502 BLACK CREEK @ TIOGA RD					
DATE	PHOSPHORUS-DISSOLVED mg/L	DATE	PHOSPHORUS TOTAL mg/L	DATE	TOTAL SUSPENDED SOLIDS mg/L
08/13/07	0.098	08/13/07	0.14	08/13/07	5
08/20/07	0.28	08/20/07	0.35	08/20/07	6
09/10/07	0.1	09/10/07	0.11	09/10/07	9

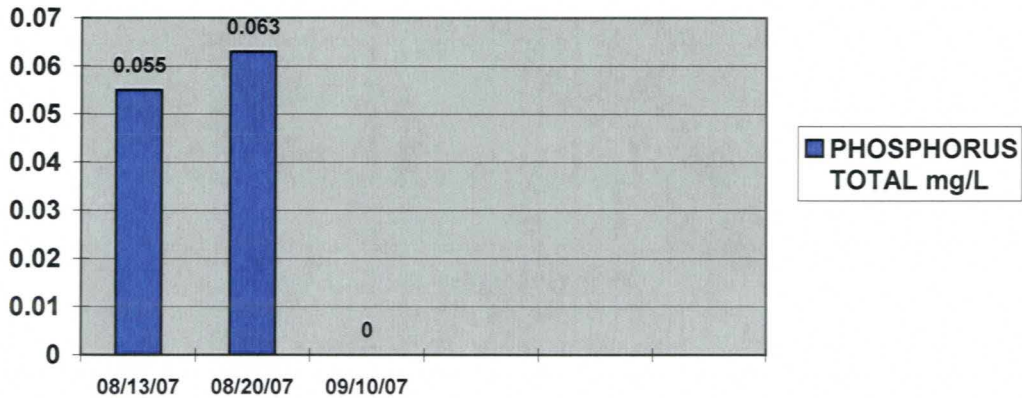


506 BLACK CREEK @ HWY H					
DATE	PHOSPHORUS-DISSOLVED mg/L	DATE	PHOSPHORUS TOTAL mg/L	DATE	TOTAL SUSPENDED SOLIDS mg/L
08/13/07	0	08/13/07	0.055	08/13/07	3
08/20/07	0	08/20/07	0.063	08/20/07	7
09/10/07	0	09/10/07	0	09/10/07	3

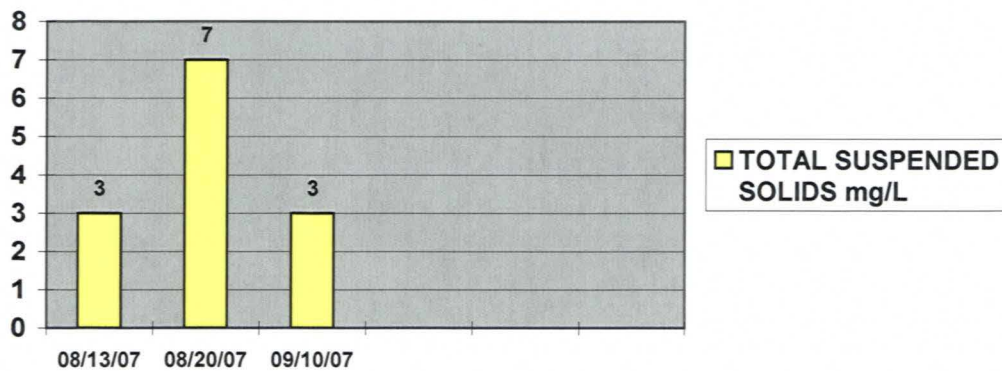
506 BLACK CREEK @ HWY H



506 BLACK CREEK @ HWY H



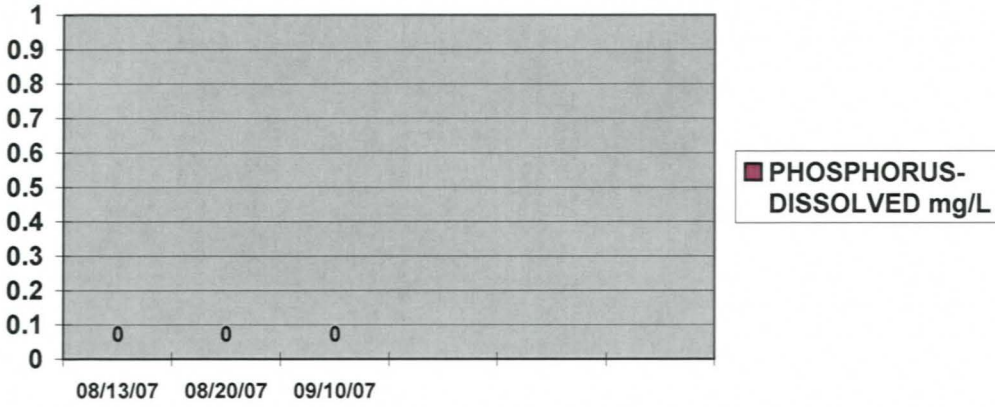
506 BLACK CREEK @ HWY H



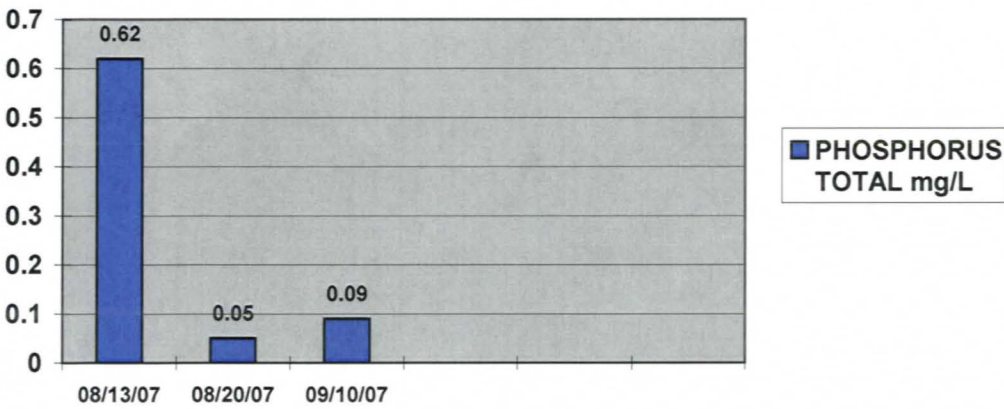
503 FAIRCHILD POND @ ROD & GUN CLUB

DATE	PHOSPHORUS-DISSOLVED mg/L	DATE	PHOSPHORUS TOTAL mg/L	DATE	TOTAL SUSPENDED SOLIDS mg/L
08/13/07	0	08/13/07	0.62	08/13/07	8
08/20/07	0	08/20/07	0.05	08/20/07	6
09/10/07	0	09/10/07	0.09	09/10/07	10

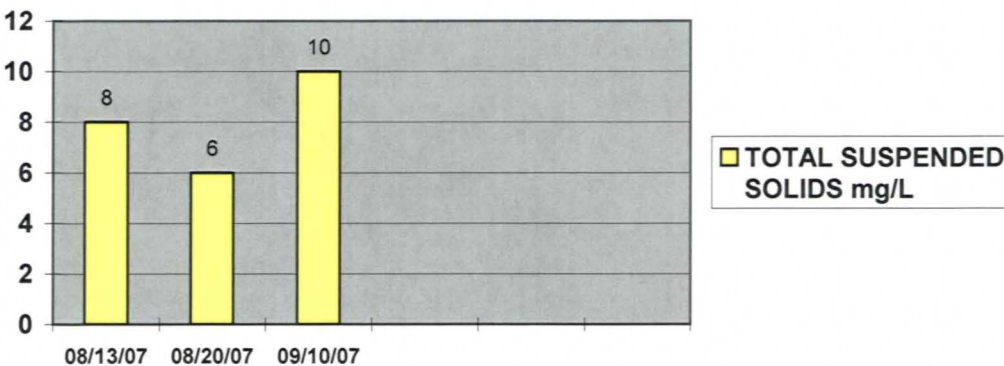
503 FAIRCHILD POND @ ROD & GUN CLUB



503 FAIRCHILD POND @ ROD & GUN CLUB



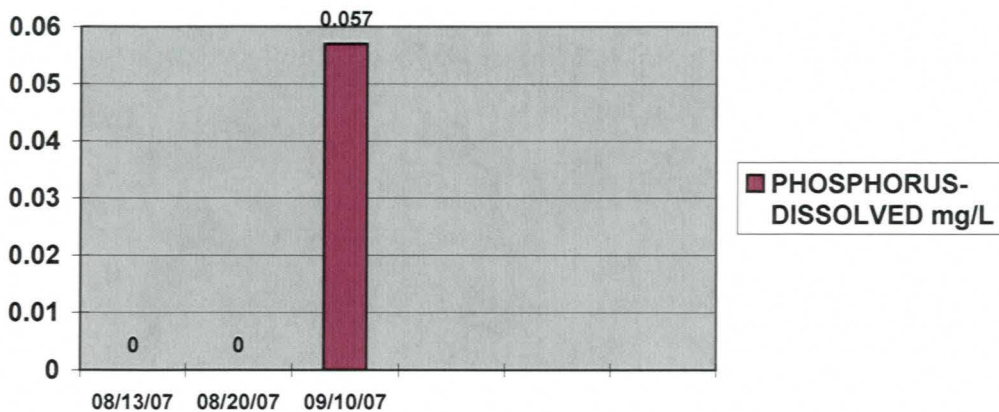
503 FAIRCHILD POND @ ROD & GUN CLUB



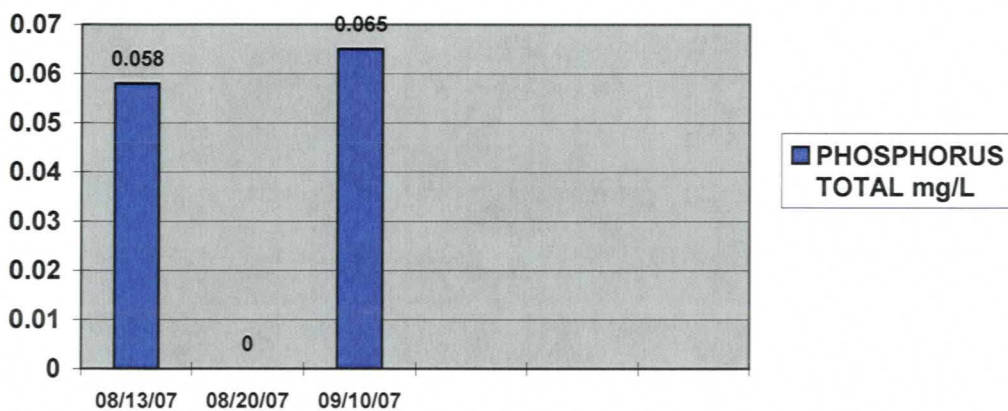
510 FAIRCHILD DAM - OUTLET OF MILLPOND

DATE	PHOSPHORUS-DISSOLVED mg/L	DATE	PHOSPHORUS TOTAL mg/L	DATE	TOTAL SUSPENDED SOLIDS mg/L
08/13/07	0	08/13/07	0.058	08/13/07	8
08/20/07	0	08/20/07	0	08/20/07	6
09/10/07	0.057	09/10/07	0.065	09/10/07	6

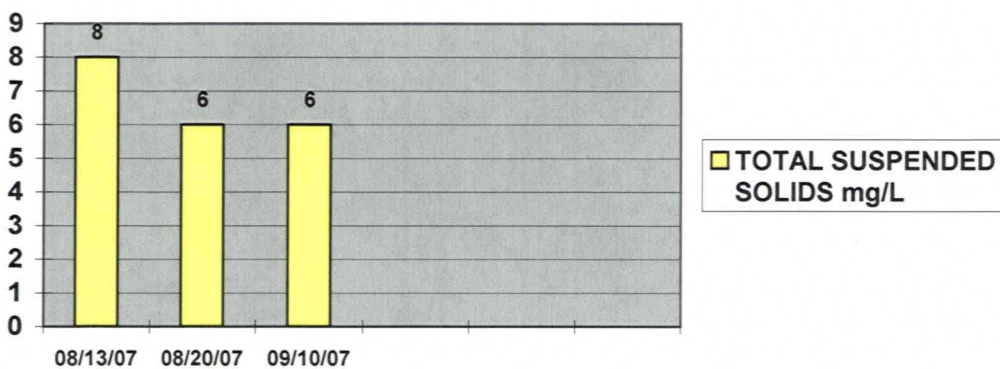
510 FAIRCHILD DAM - OUTLET OF MILLPOND



510 FAIRCHILD DAM - OUTLET OF MILLPOND



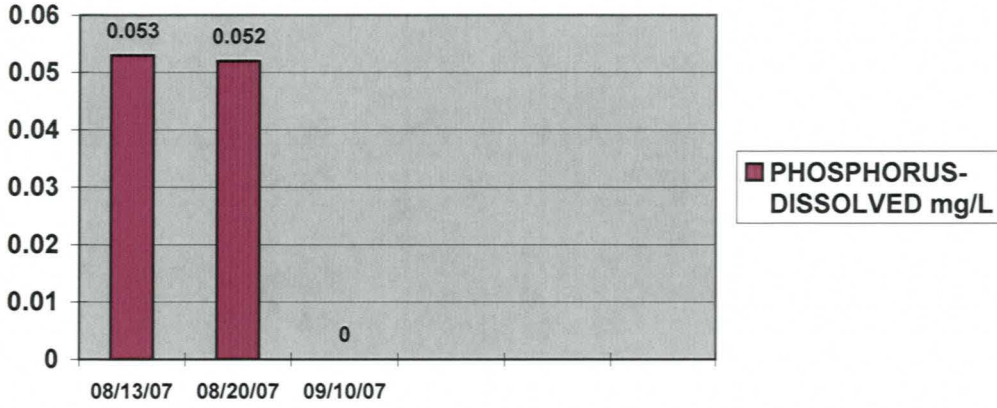
510 FAIRCHILD DAM - OUTLET OF MILLPOND



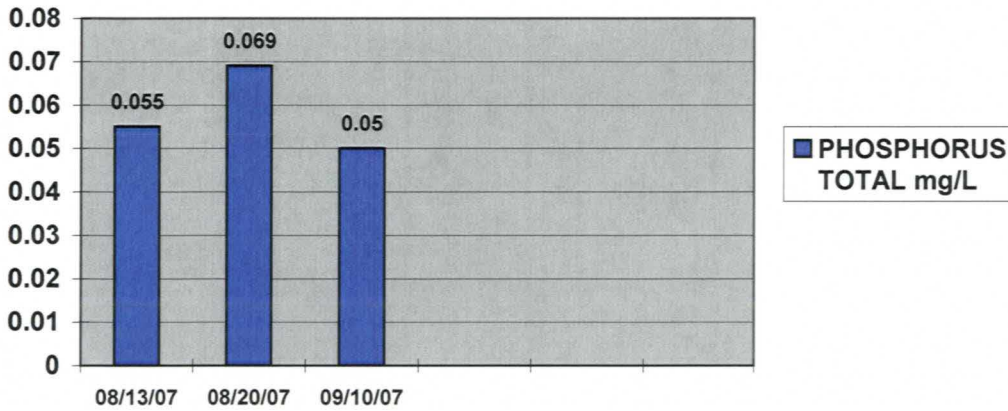
523 HWY M CONFLUENCE

DATE	PHOSPHORUS-DISSOLVED mg/L	DATE	PHOSPHORUS TOTAL mg/L	DATE	TOTAL SUSPENDED SOLIDS mg/L
08/13/07	0.053	08/13/07	0.055	08/20/07	4
08/20/07	0.052	08/20/07	0.069	08/20/07	17
09/10/07	0	09/10/07	0.05	09/10/07	2

523 HWY M CONFLUENCE



523 HWY M CONFLUENCE

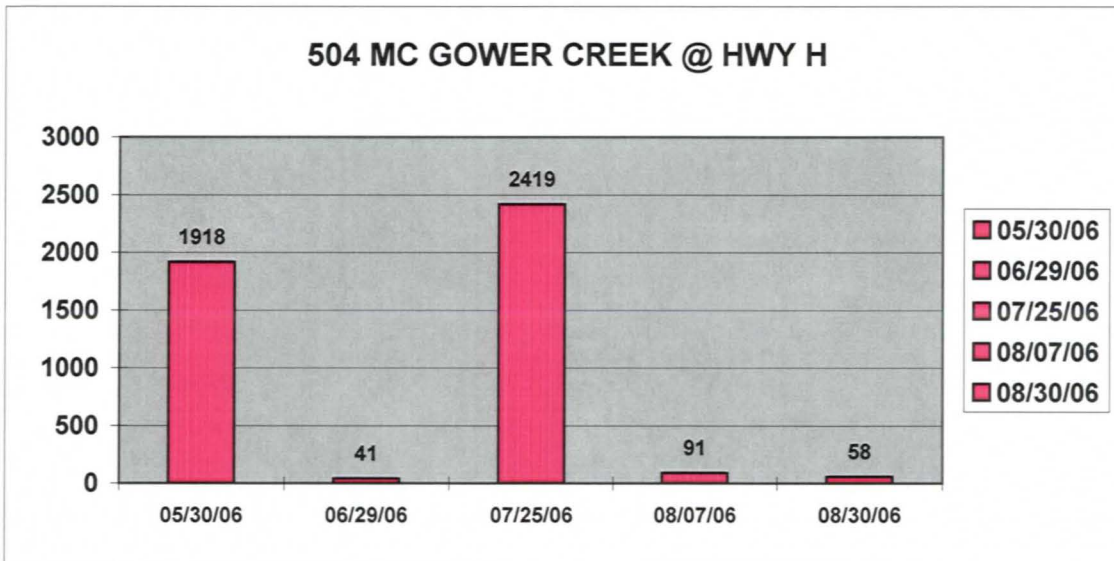
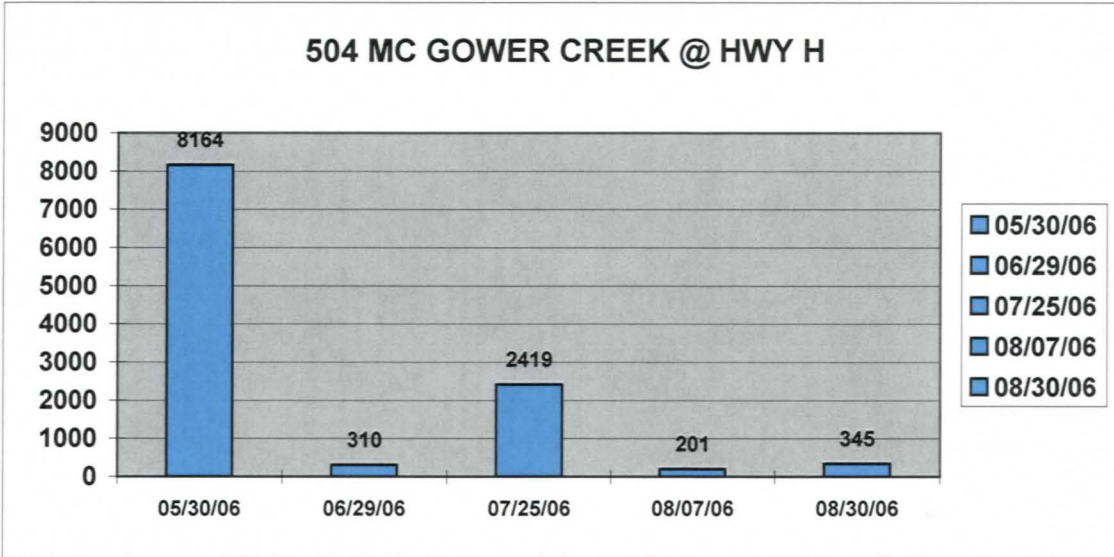


523 HWY M CONFLUENCE

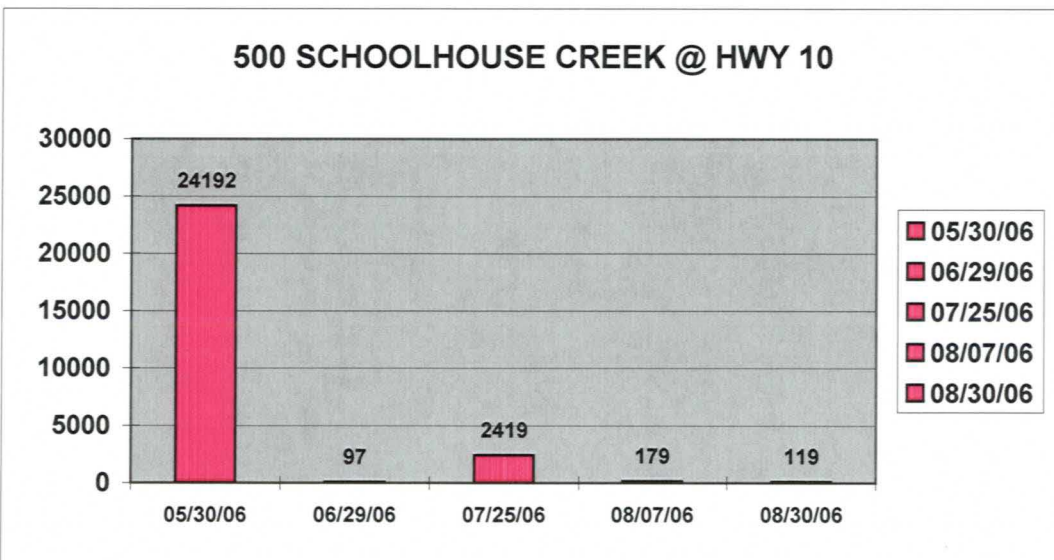
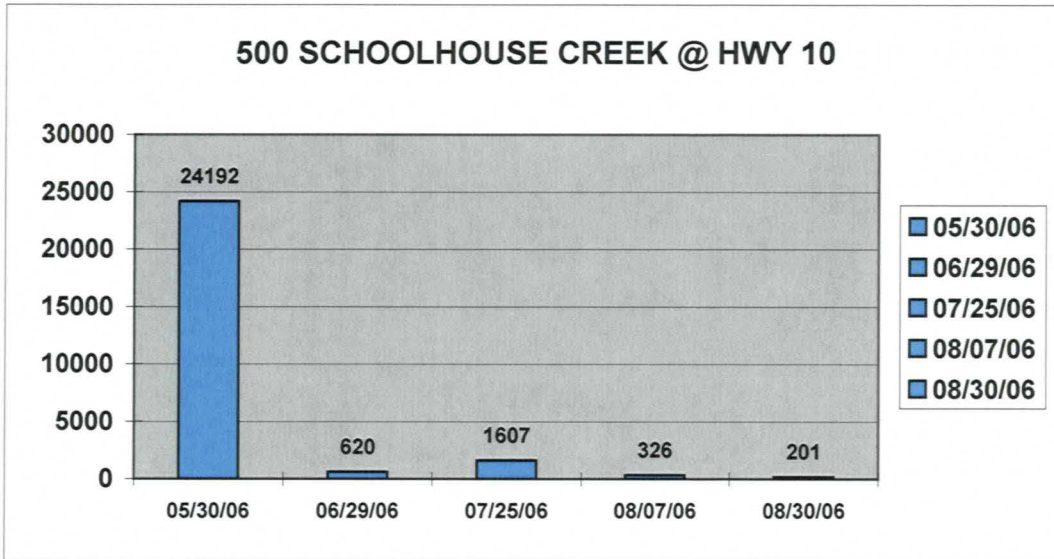


Exhibit D

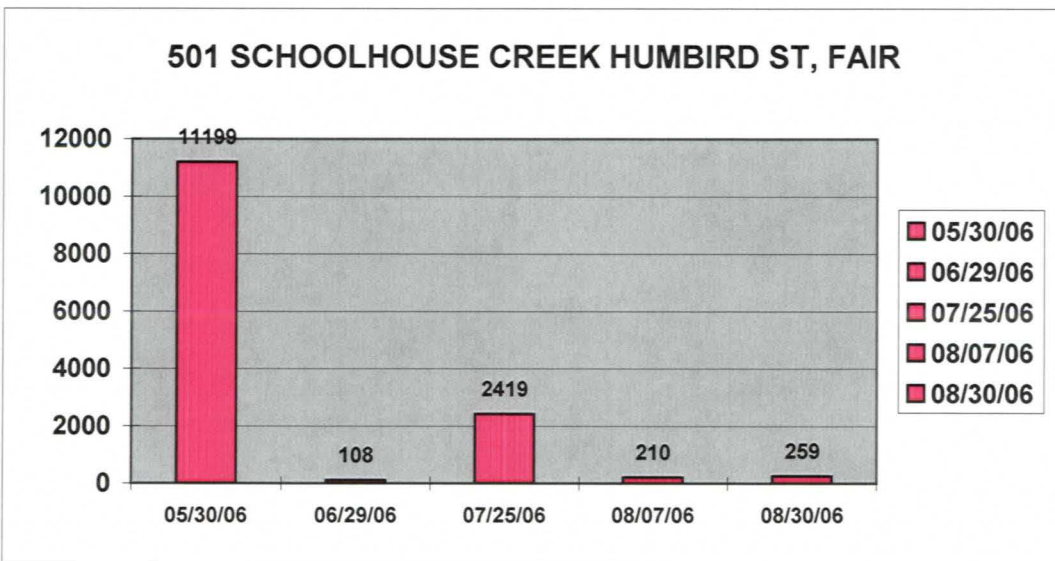
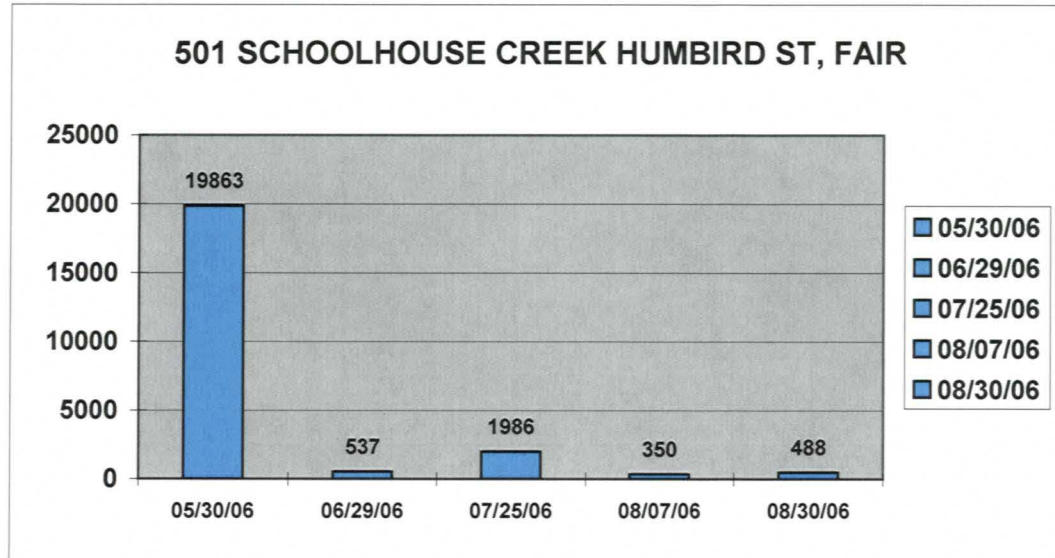
504 MC GOWER CREEK @ HWY H			
DATE	E. COLI 100ml	DATE	ENTERO-COCCUS 100ml
05/30/06	8164	05/30/06	1918
06/29/06	310	06/29/06	41
07/25/06	2419	07/25/06	2419
08/07/06	201	08/07/06	91
08/30/06	345	08/30/06	58



500 SCHOOLHOUSE CREEK @ HWY 10			
DATE	E.COLI 100ML	DATE	ENTERO-COCCUS 100ML
05/30/06	24192	05/30/06	24192
06/29/06	620	06/29/06	97
07/25/06	1607	07/25/06	2419
08/07/06	326	08/07/06	179
08/30/06	201	08/30/06	119

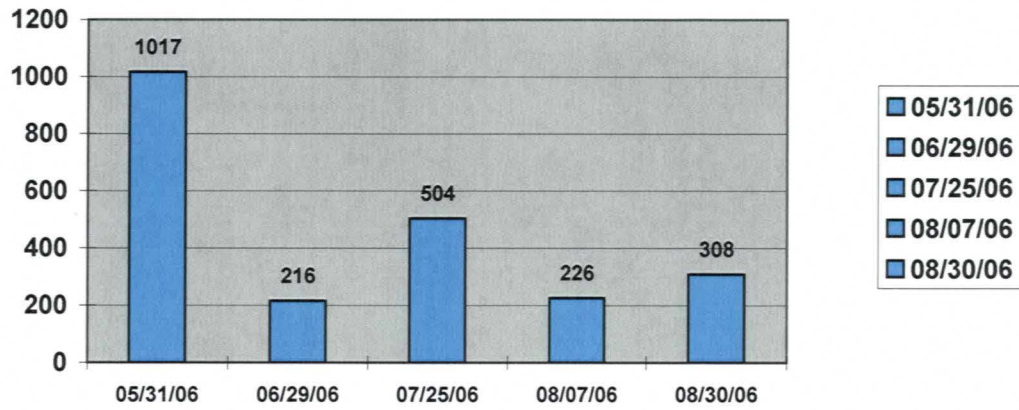


501 SCHOOLHOUSE CREEK HUMBIRD ST, FAIR			
DATE	E.COLI 100ml	DATE	ENTERO-COCCUS 100ml
05/30/06	19863	05/30/06	11199
06/29/06	537	06/29/06	108
07/25/06	1986	07/25/06	2419
08/07/06	350	08/07/06	210
08/30/06	488	08/30/06	259

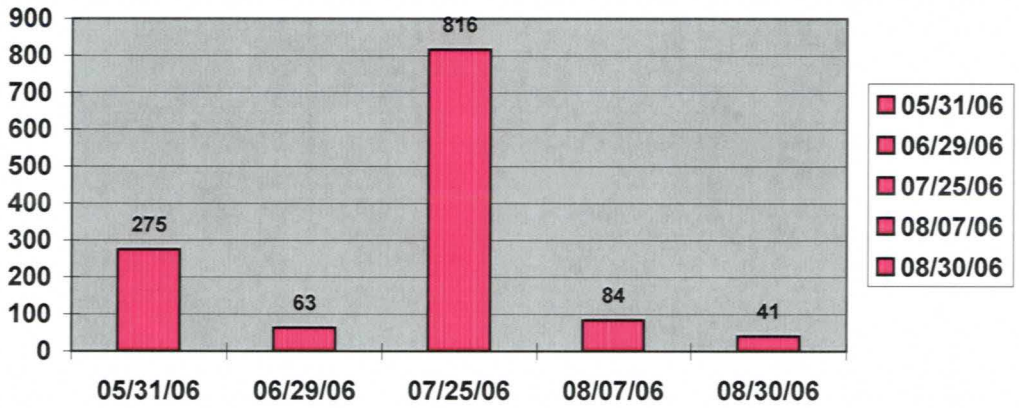


505 SCHOOLHOUSE CREEK @ HWY H			
DATE	E.COLI 100ml	DATE	ENTERO-COCCUS 100ML
05/31/06	1017	05/31/06	275
06/29/06	216	06/29/06	63
07/25/06	504	07/25/06	816
08/07/06	226	08/07/06	84
08/30/06	308	08/30/06	41

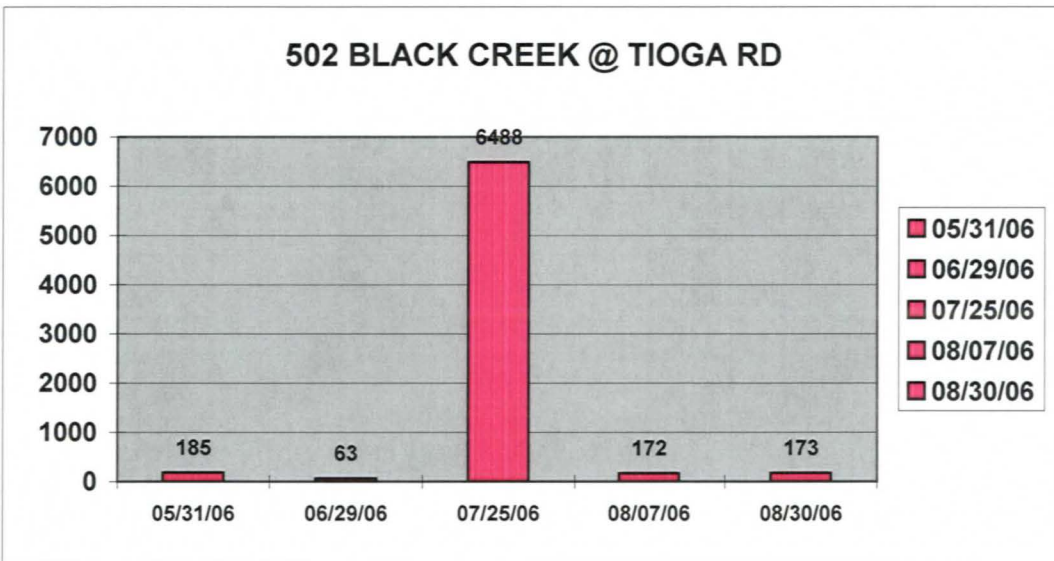
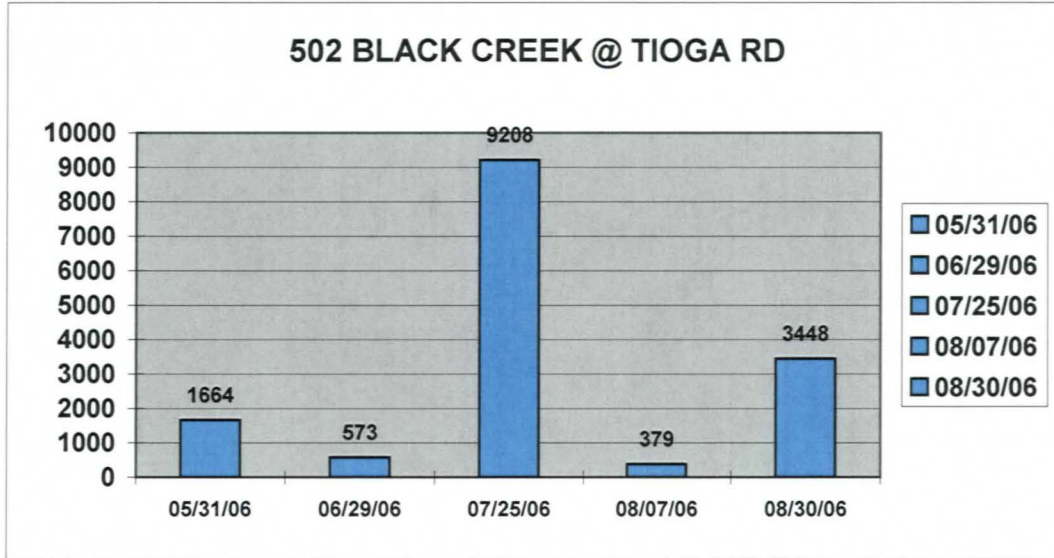
506 SCHOOLHOUSE CREEK @ HWY H



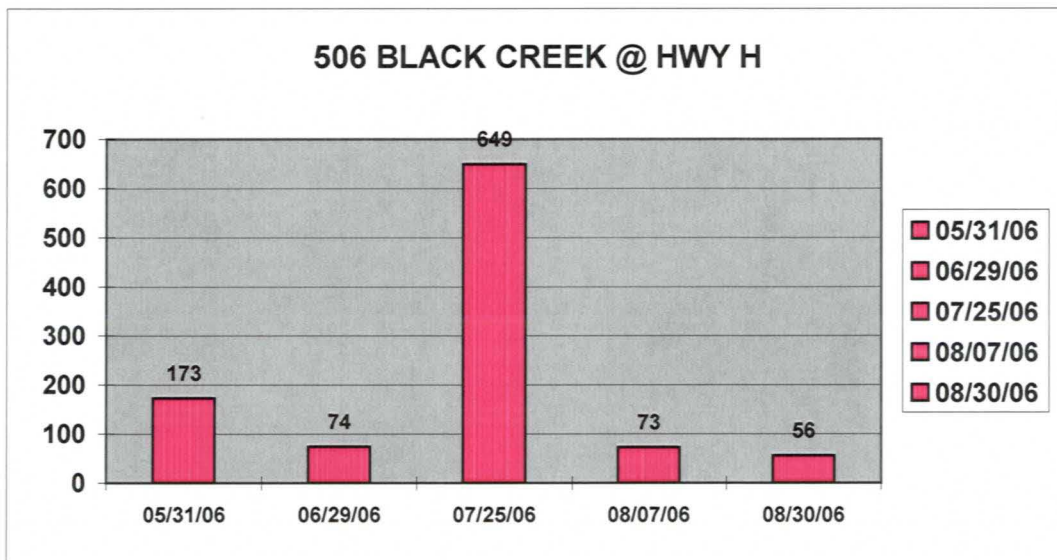
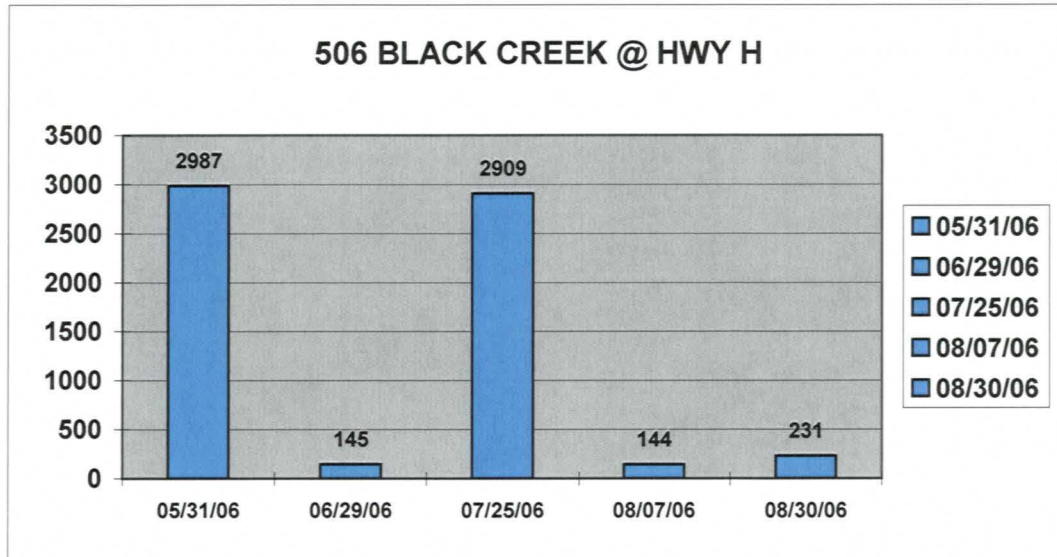
506 SCHOOLHOUSE CREEK @ HWY H



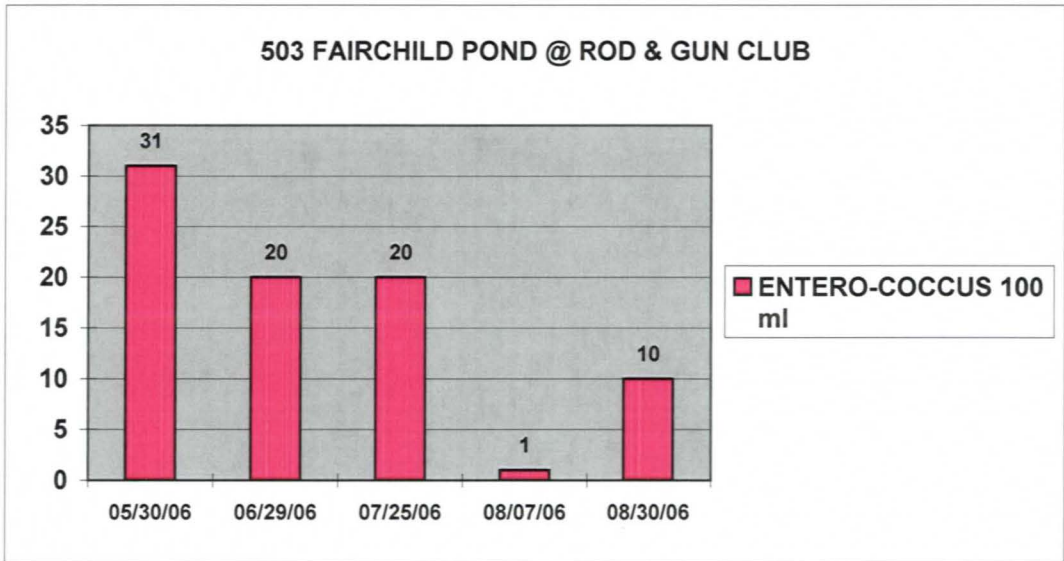
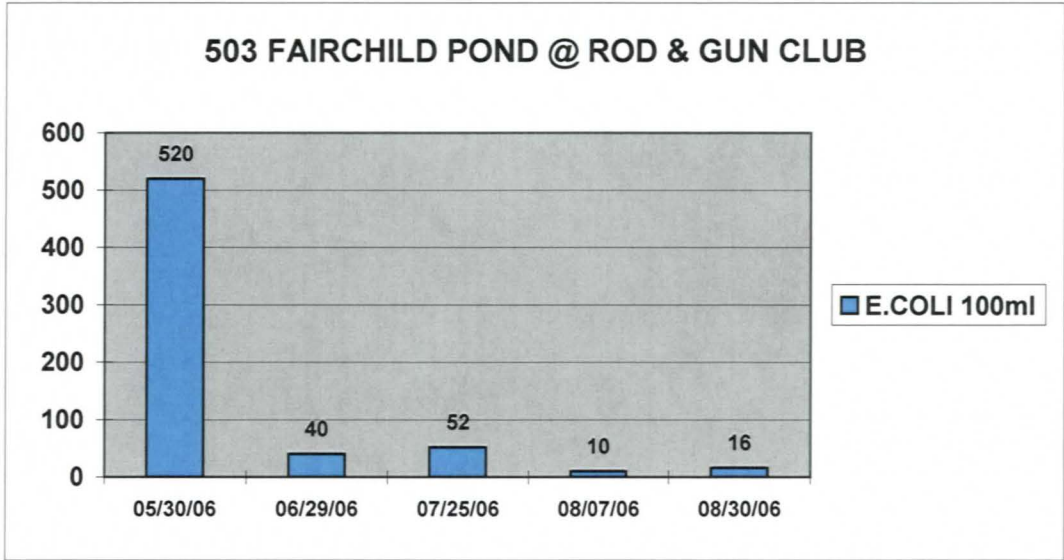
502 BLACK CREEK @ TIOGA RD			
DATE	E.COLI 100ml	DATE	ENTERO-COCCUS 100ML
05/31/06	1664	05/31/06	185
06/29/06	573	06/29/06	63
07/25/06	9208	07/25/06	6488
08/07/06	379	08/07/06	172
08/30/06	3448	08/30/06	173



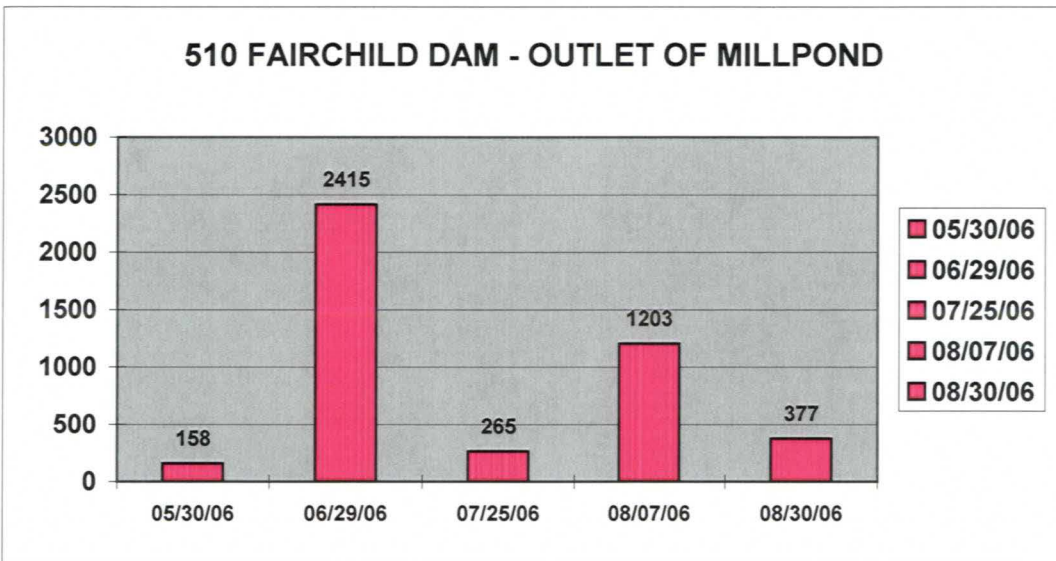
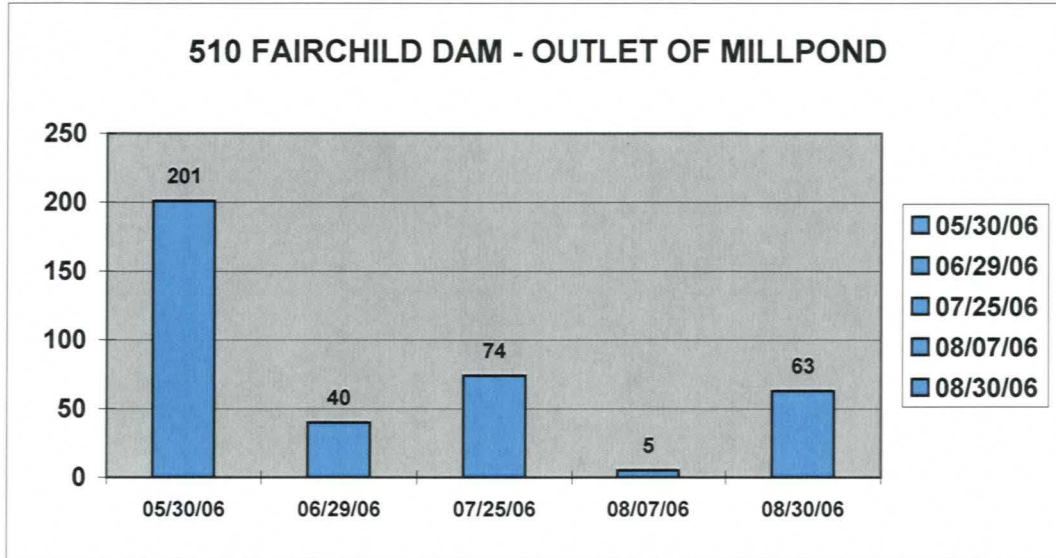
506 BLACK CREEK @ HWY H			
DATE	E.COLI 100ml	DATE	ENTERO-COCCUS 100ML
05/31/06	2987	05/31/06	173
06/29/06	145	06/29/06	74
07/25/06	2909	07/25/06	649
08/07/06	144	08/07/06	73
08/30/06	231	08/30/06	56



503 FAIRCHILD POND @ ROD & GUN CLUB			
DATE	E.COLI 100ml	DATE	ENTERO-COCCUS 100 ml
05/30/06	520	05/30/06	31
06/29/06	40	06/29/06	20
07/25/06	52	07/25/06	20
08/07/06	10	08/07/06	1
08/30/06	16	08/30/06	10



510 FAIRCHILD DAM - OUTLET OF MILLPOND			
DATE	E.COLI 100ml	DATE	ENTERO-COCCUS 100ml
05/30/06	201	05/30/06	158
06/29/06	40	06/29/06	2415
07/25/06	74	07/25/06	265
08/07/06	5	08/07/06	1203
08/30/06	63	08/30/06	377



523 HWY M CONFLUENCE			
DATE	E.COLI 100ml	DATE	ENTERO-COCCUS 100ml
05/31/06	2046	05/31/06	305
06/29/06	145	06/29/06	41
07/25/06	1467	11/17/01	687
08/07/06	120	08/07/06	41
08/30/06	186	08/30/06	34

