Texas State Soil and Water Conservation Board
Clean Water Act §319(h) Nonpoint Source Grant Program
FY 2008 Project Workplan 08-10

SUMMARY PAGE						
Title of Project:	Implementation of Agricultural Best Management Practices in Support of the Plum Creek Watershed Protection Plan					
Project Goals:	• Encourage BMP implementation by providing landowners with technical assistance and financial incentives through the Caldwell-Travis SWCD • Provide educational programs to increase stakeholders and citizens knowledge about water quality issues in the watershed • To conduct status reviews on WQMPs to track implementation success • To foster coordinated technical assistance between TSSWCB, SWCDs and NRCS					
Project Tasks:	1) Project Administration; 2) Promotion, Development and Implementation of WQMPs					
Measures of Success:	1) Provide needed technical assistance to agricultural producers; 2) Development and implementation of WQMPs; 3) Involvement by watershed stakeholders; 4) Implementation of management measures outlined in Plum Creek WPP; 5) Reduction in potential pollutant loads of streams from NPS pollution from agricultural operations					
Project Type:	Implementation (X); Education (X); Planning ( ); Assessment ( ); Groundwater ( )					
Status of Water Body: 2010 Texas Integrated Report	Segment ID 1810	Parameter bacteria orthophosphorus; nitrate; total P; depressed DO	Category 4b Concern			
Project Location:	Plum Creek (Segment 1810) Watershed in Caldwell, Hays, and Travis Counties					
Key Project Activities:	Hire Staff (X); Surface Water Quality Monitoring ( ); Technical Assistance (X); Education ( ); Implementation (X); BMP Effectiveness Monitoring ( ); Demonstration ( ); Planning ( ); Modeling ( ); Bacterial Source Tracking ( ); Other ( )					
Texas NPS Management Program Elements:	• Element 1 – Long Term Goal – Objectives 1, 2, and 3 • Element 1 – Short Term Goals – 2A, 2B • Elements 2, 3, and 4					
Project Costs:	Federal:	$49,360	Non-Federal Match:	$0	Total:	$49,360
Project Management:	• Caldwell-Travis SWCD					
Project Period:	September 1 2012 – August 31, 2013					

Part I – Applicant Information

Applicant							
Project Lead	Curby D. Ohnheiser						
Title	Chairman						
Organization	Caldwell-Travis Soil and Water Conservation District						
E-mail Address	caldwelltravisswcd@tx.nacd.net.org						
Street Address	1403-D Black Jack Street						
City	Lockhart	County	Caldwell	State	TX	Zip Code	78644
Telephone	(512) 398-2121			Fax	(512) 398-5043		

Project Partners	
Names	Roles & Responsibilities
Texas State Soil and Water Conservation Board (TSSWCB)	Provide state oversight and management of all project activities. Work with and assist SWCDs in the development, implementation, and maintenance of WQMPs. Responsible for technical review and certification of WQMPs.
Caldwell-Travis Soil and Water Conservation District (SWCD 304)	Supervise one technician. Develop, implement and maintain WQMPs.
Hays County Soil and Water Conservation District (SWCD 351)	Cooperate with SWCD 304 to develop, implement and maintain WQMPs.
United States Department of Agriculture-Natural Resources Conservation Service (NRCS)	Support SWCD technician in the development, implementation, and maintenance of WQMPs. Provide training as necessary to the technician.
Guadalupe-Blanco River Authority (GBRA)	Collaborate with SWCD 304 to track implementation of BMPs for incorporation into the biennial update through TSSWCB project 11-07.

Part II – Project Information

Project Type							
Surface Water	X	Groundwater					
Does the project implement recommendations made in a completed Watershed Protection Plan or approved TMDL Report or Implementation Plan?				Yes	X	No	
If yes, identify the document.	Plum Creek Watershed Protection Plan						
If yes, identify the agency/group that developed and/or approved the document.	Plum Creek Watershed Partnership facilitated by Texas AgriLife Extension Service and TSSWCB			Year Developed	2008		

Watershed Information				
Watershed Name(s)	Hydrologic Unit Code (12 Digit)	Segment ID	305(b) Category	Size (Acres)
Plum Creek	110901050702, 110901050703, 111002030102, 111301050208, 111302090204, 120100040204, 120301010104, 120500030306, 120601020401, 120702010804, 120702010805, 120800020403, 121002030401 –	1810	4b	288,240

Water Quality Impairment

Describe all known causes (pollutants of concern) of water quality impairments or concerns from any of the following sources: *2010 Texas Integrated Report,* Clean Rivers Program Basin Summary/Highlights Reports or other documented sources.

2007 GBRA CRP Basin Highlights Report – Nutrient enrichment is a concern, likely due to high numbers of WWTFs contributing effluent. The segment is in an area being developed very rapidly. Concerns are the cumulative impacts on watersheds caused by construction and multiple subdivision development. Also the potential for impacts by agricultural NPS pollution exists.

2008 GBRA CRP Basin Summary Report – Plum Creek site 17406 shows trends of diminishing water quality because the stream is effluent-dominated. Total phosphorus shows an upward trend over time, exceeding the screening level 42% of the time. Nitrate-nitrogen shows an increasing trend over time, exceeding the screening concentration 50% of the time.

2008 TWQI – Contact recreation use impairment, nutrient screening levels concern, NPS and point source

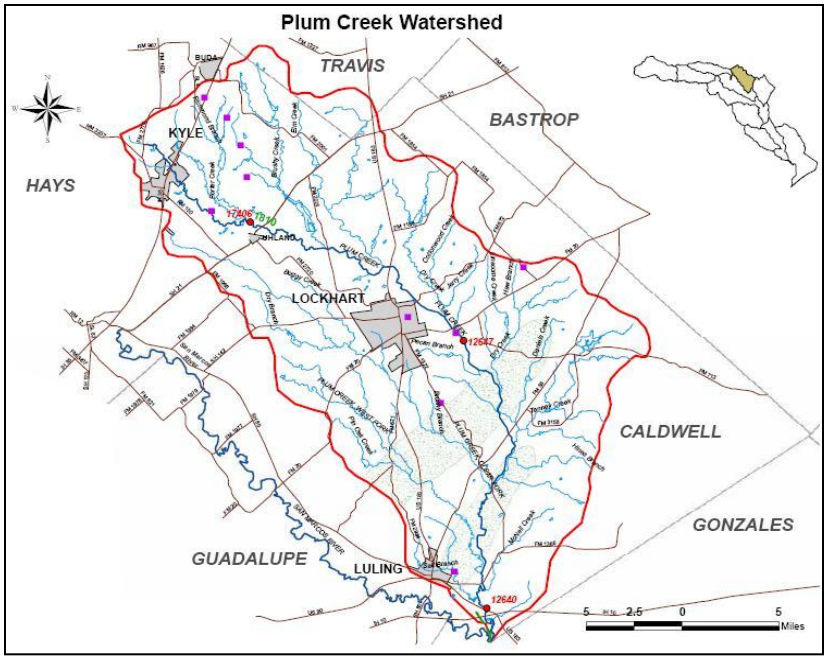
2009 GBRA CRP Basin Highlights Report – Nitrate-nitrogen and total phosphorus concentrations at these stations are some of the highest in the river basin.

2010 Integrated Report – Impaired due to bacteria with concerns for nitrate, orthophosphorus, and total phosphorus. Data collected from December 2001 through November 2008, reports the mean concentration of nitrate nitrogen for Assessment Unit (AU) 1810_01 as 3.07 milligrams per liter (mg/L) with 25 out of 82 samples exceeding the screening concentration; the mean concentration for AU 1810_02 as 8.89 mg/L with 24 out of 27 samples exceeding the screening concentration; and, the mean concentration for AU 1810_03 as 9.5 mg/L with 50 out of 82 samples exceeding the screening concentration. Moved to Category 4b with rationale based on WPP.

Project Narrative

Problem/Need Statement

Plum Creek rises in Hays County north of Kyle and runs south through Caldwell County, passing Lockhart and Luling, and eventually joins the San Marcos River at their confluence north of Gonzales County. Plum Creek is 52 miles in length and has a drainage area of 389 mi^2. According to the 2010 Texas Integrated Report, Plum Creek is impaired by elevated bacteria concentrations (category 4b) and exhibits concerns for nitrate, total phosphorus, depressed DO and orthophosphorus.



TSSWCB and Extension established the Plum Creek Watershed Partnership (PCWP) in April 2006. The PCWP Steering Committee completed the Plum Creek WPP in February 2008. Information about the PCWP, including the WPP and implementation activities, is available at http://plumcreek.tamu.edu/. Sources of pollutants identified in the Plum Creek WPP include urban stormwater runoff, pet waste, failing or inadequate on-site sewage facilities (septic systems), wastewater treatment facilities, livestock, wildlife, invasive species (feral hogs), and oil and gas production.

Measures that have been implemented or are in the process of being implemented that focus on control of agricultural nonpoint source pollution include a SWCD Technician located in the watershed that provides technical assistance to agricultural producers for the development and implementation of Water Quality Management Plans (WQMPs) that focus on reducing bacteria loading from livestock operations in targeted areas across the watershed. A WQMP is a site-specific plan developed through and approved by SWCDs which includes appropriate land treatment practices, production practices, management measures, and technologies that prevent and abate agricultural and silvicultural nonpoint source pollution. The best management practices (BMPs) prescribed in a WQMP are defined in the NRCS Field Office Technical Guide. TSSWCB and NRCS have various cost-share programs which provide financial assistance to producers in implementing a WQMP. Funding for the development and implementation of WQMPs has been provided through TSSWCB project 08-07, *Implementing Agricultural Nonpoint Source Components of the Plum Creek Watershed Protection Plan*.

Through TSSWCB project 08-07, implementation of WQMPs were hampered due to extreme droughts in 2009 and 2011. To date, a total of 10 WQMPs have been developed on approximately 1,326 acres. A total of 235 management plans on livestock operations and 24 management plans on cropland operations to be implemented to achieve estimated bacteria and nutrient load reductions called for in the Plum Creek WPP. There continues to exist a need for technical and financial assistance to implement BMPs through WQMPs in order to achieve the goals in the WPP to restore water quality.

Project Narrative

General Project Description

TSSWCB will administer federal CWA §319(h) funds through Caldwell-Travis SWCD for support of one District Technician who will provide technical assistance to agricultural producers in developing and implementing WQMPs in the Plum Creek Watershed. This District Technician will develop plans and assist ranchers in acquiring financial assistance for the implementation of BMPs. This CWA §319(h) grant will improve and enhance the abilities of local SWCDs to assist area landowners in preventing and abating agricultural nonpoint source pollution.

The District Technician will be placed in the Caldwell-Travis SWCD (#304) and will work in the adjacent Hays County SWCD (#351) through a cooperative agreement. The District Technician will work under direction of the SWCDs, with assistance from the TSSWCB and NRCS, as needed.

The District Technician will be critically important in promoting the components of this project, including WQMP development and the availability of financial incentives, and encouraging participation from agricultural producers. The District Technician will work with TSSWCB, NRCS and GBRA to educate producers about water quality issues and how WQMPs and BMPs address pollutant contamination from agriculture. The District Technician will work with commodity organizations, such as Texas and Southwestern Cattle Raisers Association (TSCRA), Independent Cattlemen's Association of Texas (ICA), and Texas Farm Bureau (TFB), to educate their members on this opportunity to enhance the value of their operation and achieve water quality goals for the watershed at the same time. The Technician will cooperate and communicate with the Plum Creek Watershed Partnership in order to efficiently and effectively achieve project goals and to summarize activities and achievements made throughout the course of this project.

The District Technician, with assistance from NRCS and TSSWCB, will assist landowners in the development of WQMPs and Prescribed Grazing Plans. WQMPs are developed according to the NRCS Field Office Technical Guide. Once the WQMP is developed, it is sent to the appropriate TSSWCB regional office for technical review and certification. Upon certification of the WQMP, the District Technician will work with the landowner to implement the BMPs prescribed in the WQMP.

The District Technician, with assistance from NRCS, will assist landowners in applying for and obtaining cost-share funds to aid in implementation of BMPs prescribed in WQMPs. The District Technician will conduct annual status reviews on all WQMPs developed and certified through the course of this project and on existing WQMPs in the watershed to ensure that the landowners implement BMPs as specified and agreed to in the WQMP implementation schedule. The District Technician will track utilization of obligated financial incentives (CWA §319(h) and EQIP) and assist landowners in utilizing obligated funds on schedule. The Technician will complete an aggregate final report which describes the success of the project including WQMPs developed, BMPs implemented, and cost-share obligated and utilized. The District Technician will develop a final report which describes the success of the project including WQMPs developed, BMPs implemented, and financial incentives obligated and utilized.

Tasks, Objectives and Schedules						
Task 1:	Project Administration					
Costs:	Federal:	$15,830	Non-Federal:	$0	Total:	$15,830
Objective:	To effectively administer, coordinate, and monitor all work performed under this project including technical and financial supervision and preparation of status reports.					
Subtask 1.1:	Caldwell-Travis SWCD will prepare electronic quarterly progress reports (QPRs) for submission to the TSSWCB. QPRs shall document all activities performed within a quarter and shall be submitted by the 15th of January, April, July and October. QPRs shall be posted on the project website and available to all project partners.					
	Start Date:	Month 1	Completion Date:	Month 12		
Subtask 1.2:	Caldwell-Travis SWCD will perform accounting functions and submit appropriate Reimbursement Forms to TSSWCB at least monthly.					
	Start Date:	Month 1	Completion Date:	Month 12		
Subtask 1.3:	Caldwell-Travis SWCD will host coordination meetings or conference calls with the TSSWCB Project Manager, TSSWCB Field Representative and GBRA, at least quarterly to discuss project activities, project schedule, communication needs, deliverables and other requirements. Caldwell-Travis SWCD will develop lists of action items needed, following each project coordination meeting and distribute to project personnel.					
	Start Date:	Month 1	Completion Date:	Month 12		
Subtask 1.4:	Caldwell-Travis SWCD will have a financial audit completed at least once during the project period.					
	Start Date:	Month 1	Completion Date:	Month 12		
Subtask 1.5:	Caldwell-Travis SWCD will develop a final report at the culmination of the project. At a minimum the Final Report shall describe the success of the project including WQMPs developed, BMPs implemented, and funds obligated and utilized.					
	Start Date:	Month 10	Completion Date:	Month 12		
Deliverables	• Quarterly Progress Reports in electronic format • Reimbursement Forms and necessary documentation in hard copy format • Lists of action items from project coordination meetings • Final Report (Electronic and hard copy format)					

Tasks, Objectives and Schedules						
Task 2:	Promotion, Development and Implementation of WQMPs					
Costs:	Federal:	$ 33,530	Non-Federal:	$0	Total:	$33,530
Objective:	To promote WQMP development and implementation, encourage participation, and provide technical assistance to agricultural producers for the development and implementation of WQMPs. Promote the availability of financial incentives to support BMP implementation. Track implementation of WQMPs to achieve bacterial load reductions as identified in the Plum Creek WPP.					
Subtask 2.1:	The Caldwell-Travis SWCD will hire one District Technician to promote, develop, and implement WQMPs.					
	Start Date:	Month 1	Completion Date:	Month 1		
Subtask 2.2:	Caldwell-Travis SWCD will identify landowners in priority areas to distribute notifications announcing the availability of technical assistance and financial incentives for developing and implementing WQMPs. Caldwell-Travis SWCD will develop and distribute flyers, brochures, letters, news releases and other appropriate promotional publications to encourage participation from agricultural producers. TSSWCB must approve all announcements, letters and publications prior to distribution.					
	Start Date:	Month 1	Completion Date:	Month 12		
Subtask 2.3:	Caldwell-Travis SWCD will work with TSSWCB, NRCS and the Watershed Coordinator to educate producers about water quality issues and how WQMPs and BMPs address pollutant contamination from agriculture.					
	Start Date:	Month 1	Completion Date:	Month 12		
Subtask 2.4:	Caldwell-Travis SWCD will work with commodity organizations, such as Texas and Southwestern Cattle Raisers Association (TSCRA), Independent Cattlemen's Association of Texas (ICA), and Texas Farm Bureau (TFB), to educate their members on this opportunity to enhance the value of their operation and achieve water quality goals for the watershed at the same time.					
	Start Date:	Month 1	Completion Date:	Month 12		
Subtask 2.5:	Caldwell-Travis SWCD, with assistance from NRCS and TSSWCB will assist landowners in the development of WQMPs and associated Prescribed Grazing Plans. Caldwell-Travis SWCD will develop at least 6 WQMPs. Noting that the 2018 goal of the Plum Creek WPP is to have 235 WQMPs on livestock operations and 24 WQMPs on cropland operations, Caldwell-Travis SWCD shall strive to develop additional WQMPs beyond the minimum of 6; financial incentives available for additional WQMPs is dependent upon outcomes of Subtask 2.6.					
	Start Date:	Month 1	Completion Date:	Month 12		

<table>
<tr><td>Subtask 2.6:</td><td colspan="4">Caldwell-Travis SWCD with assistance from NRCS and TSSWCB, will assist landowners in applying for and obtaining financial incentives to aid in implementation of BMPs prescribed in WQMPs. $100,000 in CWA §319(h) funding (TSSWCB project 09-02) is available as financial incentives through the TSSWCB WQMP Program. Landowners shall be eligible to receive a maximum financial incentive amount of $15,000 from the TSSWCB §319(h) funds. The maximum financial incentive rate shall not exceed 60% of the cost of implementation of the BMPs. The remaining 40% will be provided by the landowner. Financial incentives will be based on actual cost not to exceed average cost of the practice.

Practices that achieve bacteria reductions on pastureland and rangeland that are eligible for financial incentives include:
• Fencing (382)
• Watering Facilities (614) (for livestock only)
• Pipelines (516)
• Wells (642)
• Pasture and Hayland Planting (512)
• Rangeland Planting (550)
• Riparian Herbaceous Buffer (390) - for Establishment Only
• Riparian Forest Buffer (391) – for Establishment Only
• Nutrient Management (590) – for Establishment of 512, 550, 390, or 391 Only
• Critical Area Planting (342)
• Pumping Plant (533) (associated with 614 only)

Practices that achieve nutrient reductions on cropland that are eligible for financial incentives include:
• Grassed Waterways (412)
• Field Borders (386)
• Filter Strips (393)
• Nutrient Management (590) – for Establishment of 412, 386, or 393 Only</td></tr>
<tr><td></td><td>Start Date:</td><td>Month 1</td><td>Completion Date:</td><td>Month 12</td></tr>
<tr><td>Subtask 2.7:</td><td colspan="4">Caldwell-Travis SWCD will prioritize WQMP development and financial incentive applications consistent with the priority areas identified in the WPP.</td></tr>
<tr><td></td><td>Start Date:</td><td>Month 1</td><td>Completion Date:</td><td>Month 12</td></tr>
<tr><td>Subtask 2.8:</td><td colspan="4">Caldwell-Travis SWCD will conduct annual status reviews on all WQMPs developed and certified through the course of this project and any existing WQMPs (certified prior to this project) in the Plum Creek watershed to ensure that the landowners implement BMPs as specified and agreed to in the WQMP implementation schedule. The District Technician will document any follow-up technical assistance needed or necessary modifications to the WQMP implementation schedule.</td></tr>
<tr><td></td><td>Start Date:</td><td>Month 1</td><td>Completion Date:</td><td>Month 12</td></tr>
<tr><td>Subtask 2.9:</td><td colspan="4">Caldwell-Travis SWCD will track utilization of obligated financial incentives (primarily CWA §319(h) funds, but also EQIP funds). Caldwell-Travis SWCD, with assistance from TSSWCB and NRCS, will assist landowners in utilizing obligated financial incentives on schedule.</td></tr>
<tr><td></td><td>Start Date:</td><td>Month 1</td><td>Completion Date:</td><td>Month 12</td></tr>
<tr><td>Subtask 2.10:</td><td colspan="4">To encourage the use of soil testing in support of Nutrient Management (590), the Caldwell-Travis SWCD, will assist holders of WQMPs in the acquisition of current soil tests. This project will pay up to $10 per soil test sample; this project will pay for all soil tests necessary to comply with soil testing frequencies described in each WQMP and consistent with the NRCS practice standard for Nutrient Management (590). Soil tests paid for with project funding must be completed by a public soil testing laboratory, such as the Texas AgriLife Extension Service Soil, Water and Forage Testing Laboratory. Each soil test sample location shall be geo-referenced (i.e., coordinates from a GPS receiver).</td></tr>
<tr><td></td><td>Start Date:</td><td>Month 1</td><td>Completion Date:</td><td>Month 12</td></tr>
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<tr><td rowspan="3">Subtask 2.11:</td><td colspan="4">Caldwell-Travis SWCD will create a spreadsheet and map describing and showing the location of all WQMPs developed and BMPs implemented through the project. The map will not reveal the identity or exact location of any producer.</td></tr>
<tr><td>Start Date:</td><td>Month 1</td><td>Completion Date:</td><td>Month 12</td></tr>
<tr><td colspan="4"></td></tr>
<tr><td rowspan="3">Subtask 2.12:</td><td colspan="4">The District Technician will meet monthly with SWCDs 304 and 351 in order to efficiently and effectively achieve project goals; summarize activities and achievements made throughout the course of this project; and discuss project activities, project schedule, communication needs, deliverables, and other requirements.</td></tr>
<tr><td>Start Date:</td><td>Month 1</td><td>Completion Date:</td><td>Month 12</td></tr>
<tr><td colspan="4"></td></tr>
<tr><td rowspan="3">Subtask 2.13:</td><td colspan="4">Caldwell-Travis SWCD will cooperate and communicate with the Plum Creek Watershed Coordinator in order to efficiently and effectively achieve project goals and to summarize activities and achievements made throughout the course of this project. Specifically, the Caldwell-Travis SWCD will, at least, participate in any stakeholder meetings held under the auspices of the Plum Creek Watershed Partnership.</td></tr>
<tr><td>Start Date:</td><td>Month 1</td><td>Completion Date:</td><td>Month 12</td></tr>
<tr><td colspan="4"></td></tr>
<tr><td>Deliverables</td><td colspan="4">• List of landowners, classified by priority area, eligible for participation in the WQMP Program, updated as needed
• Promotional and educational publications, as developed and distributed
• Summary sheets on certified WQMPs submitted with QPRs
• Cost-share applications for obligated project funds
• Summary of funds obligated per BMP
• Status reviews for WQMPs
• Map of project area showing location of WQMPs developed and BMPs implemented with a quantifiable breakdown for each BMP; map will not reveal the identity of any landowner
• Map of project area showing soil test sample locations; map will not reveal the identity of any landowner</td></tr>
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Project Goals (Expand from NPS Summary Page)

1. Encourage BMP implementation by providing landowners with technical assistance and financial incentives through the Caldwell-Travis SWCD
2. Provide educational programs to increase stakeholders and citizens knowledge about water quality issues in the watershed
3. To conduct status reviews on WQMPs to track implementation success
4. To foster coordinated technical assistance between TSSWCB, SWCDs and NRCS

Measures of Success (Expand from NPS Summary Page)

- Provide needed technical assistance to agricultural producers
- Development and implementation of WQMPs
- Involvement by watershed stakeholders
- Implementation of management measures outlined in Plum Creek WPP
- Reduction in potential pollutant loads of streams from NPS pollution from agricultural operations

2005 Texas Nonpoint Source Management Program Reference (Expand from NPS Summary Page)

Goals &/or Milestone(s)

Element One – Explicit short- and long-term goals, objectives and strategies that protect surface and ground water.

Long Term Goal – To protect and restore water quality from NPS pollution through assessment, implementation, and education.

- Objective 1 – Focus NPS abatement efforts, implementation strategies, and available resources in watersheds identified as impacted by NPS pollution.
- Objective 2 – Support the implementation of state, regional, and local programs to prevent NPS pollution through assessment, implementation, and education.
- Objective 3 – Support the implementation of state, regional, and local programs to reduce NPS pollution, such as the implementation of strategies defined in WPPs

Short Term Goal Two – Implementation – Coordinate the NPS Program to support the implementation of TMDL I-Plans …and other state, regional, and local plans/programs to reduce NPS pollution …[by] target[ing] implementation activities to the areas identified as impacted…

- Objective A – Work with regional and local entities to determine priority areas and develop and implement strategies to address NPS pollution in those areas.
- Objective B – Develop and implement BMPs to address constituents of concern or waterbodies not meeting water quality standards in watersheds indentified as impacted by NPS pollution.

Element Two – Working partnerships and linkages to appropriate state, regional, and local entities, private sector groups, and federal agencies.

Element Three – Balanced approach that emphasizes both statewide NPS programs and on-the-ground management of individual watersheds.

Element Four – Abatement of water quality impairments from NPS pollution and prevention of significant threats to water quality from present and future NPS activities.

Estimated Load Reductions Expected

Estimated load reductions expected from implementing BMPs through this project are based on information in the Plum Creek WPP, primarily Tables 7.5, 7.6, 7.7, 7.8, 10.1, and 10.3.

The Plum Creek WPP goals are to reduce pollutant loadings of bacteria (impairment) and phosphorus (concern) from a variety of sources through implementation of a number of BMPs across the entire watershed. WQMPs to be implemented through this project only address agricultural NPS loadings from livestock (bacteria) and cropland (phosphorus) operations in priority implementation focus areas.

In order to calculate estimated load reductions expected, several assumptions were made. First, consistent with Subtask 2.7, all 6 WQMPs to be implemented are assumed to be in Primary/Secondary Focus Areas only. Second, consistent with Table 10.1 in the WPP, all 6 WQMPs to be implemented are assumed to be equitably split between livestock and cropland operations. Third, all 6 WQMPs to be implemented are assumed to be equitably split between the three major subwatersheds (i.e., index sites). Fourth, it is assumed that WQMPs on livestock operations will only result in bacteria load reductions and that WQMPs on cropland operations will only result in phosphorus load reductions (See statement below regarding complementary and supplementary load reductions). Fifth, all load reductions achieved at the individual farm level (i.e., through individual WQMPs) are assumed to translate to equivalent load reductions at the associated index site.

Livestock Operations	# WQMPs	Estimated Load Reductions Expected					
		Uhland		Lockhart		Luling	
		# WQMPs	E. coli (cfu/yr)	# WQMPs	E. coli (cfu/yr)	# WQMPs	E. coli (cfu/yr)
Full WPP Implementation	235	21	9.60E+12	34	2.10E+13	180	2.90E+15
Primary/Secondary Focus Areas Only	126	16	7.31E+12	21	1.30E+13	89	1.43E+15

Cropland Operations	# WQMPs	Estimated Load Reductions Expected					
		Uhland		Lockhart		Luling	
		# WQMPs	P (kg/yr)	# WQMPs	P (kg/yr)	# WQMPs	P (kg/yr)
Full WPP Implementation	24	4	827	20	4,772	0	0
Primary/Secondary Focus Areas Only	12	4	827	8	1,909	0	0

Participation in the TSSWCB WQMP Program by individual ranchers and farmers is voluntary. This decision to participate is based on a number of factors, including the producer's ability to provide the cost-share match (40% in this project). Adoption of BMPs and participation in the WQMP Program by producers is highly dependent on the success or failure of outreach and education initiatives and social marketing campaigns. Effectiveness of particular BMPs in reducing pollutants is dependent on a myriad of factors including natural weather phenomena and the ability of producers to correctly install, operate, maintain or manage the BMP. There will be complementary nitrogen and sediment load reductions achieved from livestock and cropland WQMPs, supplementary bacteria load reductions achieved from cropland WQMPs, and supplementary phosphorus load reductions achieved from livestock WQMPs. With these factors accounted for, the estimated load reductions to be expected, as presented above, should be regarded as the "best case scenario" with probability that actual load reductions achieved will be less.

The mechanism for reporting pollutant load reductions achieved through implementation of BMPs funded with CWA §319(h) monies, is through the EPA Grants Reporting and Tracking System (GRTS). Actual load reductions achieved can only be reported after the BMPs are installed and operational. Currently, EPA Program Activity Measures (PAMs) only call for load reductions achieved for nitrogen, phosphorus, and sediment. The State has no mechanism to report bacteria load reductions to EPA achieved through this, or any CWA §319(h) funded project. Nitrogen, phosphorus, and sediment load reductions achieved through this project will be reported through GRTS.

Part III – Financial Information

Budget Summary – Caldwell – Travis SWCD			
Federal 319(h)	$49,360	% of total project	100%
Non-Federal Match	$0	% of total project	0%
Total Project Cost	$49,360	Total project %	100%

Category	Federal 319(h)	Non-Federal Match	Total Project Cost
Personnel	$40,000	$0	$40,000
Fringe Benefits	$4,000	$0	$4,000
Subtotal Personnel & Fringe	$44,000	$0	$44,000
Travel	$1,000	$0	$1,000
Equipment	$0	$0	$0
Supplies	$360	$0	$360
Contractual	$4,000	$0	$4,000
Construction	$0	$0	$0
Other	$0	$0	$0
Subtotal	$5,360	$0	$5,360
Total Direct Costs	$49,360	$0	$49,360
Indirect Costs (< 15%)	$0	$0	$0
Total Project Costs	$49,360	$0	$49,360

Budget Justification (Federal) – Caldwell – Travis SWCD		
Category	Total Amount	Justification
Personnel	$40,000	1 full-time Technicians @ $38,800/yr for 1 year 1 part-time Bookkeeper @ $10/hr for 10hrs/month for 1 year
Fringe Benefits	$4,000	Fringe Benefits calculated @ 10% of Personnel
Travel	$1,000	1,358 miles @ .555/mile ($754) Per diem ($46/day) and hotel expenses ($77/night) for 2 overnight trips ($246)
Equipment	$0	N/A
Supplies	$360	Office Supplies for 1 Lead SWCD @ approximately $30/month for 12 months
Contractual	$4,000	Financial Audit for Caldwell-Travis SWCD
Construction	$0	N/A
Other	$0	N/A
Indirect	$0	N/A

Budget Justification (Non-Federal) – Caldwell – Travis SWCD		
Category	Total Amount	Justification
Personnel	$0	N/A
Fringe Benefits	$0	N/A
Travel	$0	N/A
Equipment	$0	N/A
Supplies	$0	N/A
Contractual	$0	N/A
Construction	$0	N/A
Other	$0	N/A
Indirect	$0	N/A