Plum Creek Watershed Partnership Meeting

Lockhart, Texas
February 9, 2012

Meeting Overview and Introductions

Nikki Dictson
Texas AgriLife Extension Service

Discussion of Public Comment and Approval of the Watershed Protection Plan Update Report

Nikki Dictson
Texas AgriLife Extension Service

Plum Creek Watershed Implementation Projects

- Watershed Coordinator Grant (TSSWCB)
  - $216,000
- SWQM Grant (TSSWCB)
  - $485,545
- SWQM II State Grant (TSSWCB)
  - $30,000
- Implementing NPS Components of WPP (TSSWCB)
  - $996,079
- TCEQ Outreach and Education 106 Funding
  - $150,000

Timeline of Implementation Grants

<table>
<thead>
<tr>
<th>Implementation Grant</th>
<th>Year</th>
<th>Status</th>
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<tbody>
<tr>
<td>Urban Stormwater Management Measures</td>
<td>Year</td>
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<td>Management Measure</td>
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<td>Pet Waste Collection Station City of Kyle</td>
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<td>Pet Waste Collection Station City of Lockhart</td>
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<td>Pet Waste Collection Station City of Luling</td>
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<td>Comprehensive Urban Stormwater Assessment City of Kyle</td>
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<td>Retrofit Stormwater Detention Basins City of Kyle</td>
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<tr>
<td>Manage Urban Waterfowl Populations City of Lockhart</td>
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<td>Comprehensive Urban Stormwater Assessment City of Luling</td>
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<tr>
<td>Rehab Stormwater Retention Pond City of Luling</td>
<td>1</td>
<td>Ongoing</td>
</tr>
<tr>
<td>Initiate Street Sweeping Program City of Buda</td>
<td>Initiated and continuing</td>
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Urban Stormwater Management Measures

- Pet Waste Collection Station City of Kyle
- Pet Waste Collection Station City of Lockhart
- Pet Waste Collection Station City of Luling
- Comprehensive Urban Stormwater Assessment City of Kyle
- Retrofit Stormwater Detention Basins City of Kyle
- Manage Urban Waterfowl Populations City of Lockhart
- Comprehensive Urban Stormwater Assessment City of Luling
- Rehab Stormwater Retention Pond City of Luling
- Initiate Street Sweeping Program City of Buda
### Wastewater Management Measures

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<thead>
<tr>
<th>Management Measure</th>
<th>Responsible Party</th>
<th>Year</th>
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<tbody>
<tr>
<td>Septic System Inspection/Enforcement</td>
<td>Caldwell/ Hays Cos.</td>
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<tr>
<td>Septic System Connection to Sewer</td>
<td>City of Luling</td>
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<tr>
<td>Wastewater Upgrade (Phosphorus)</td>
<td>City of Kyle</td>
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<tr>
<td>Agricultural Management Measures</td>
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<tr>
<td>Management Measure</td>
<td>Responsible Party</td>
<td>Year</td>
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<tr>
<td>Feral Hog Education (New Position)</td>
<td>AgriLife Extension</td>
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<tr>
<td>Feral Hog Control (Implementation)</td>
<td>AgriLife Extension</td>
<td>515,800</td>
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### TPDES Wastewater Discharge Permits in Plum Creek (Segment 1810) Watershed.

<table>
<thead>
<tr>
<th>FACILITY</th>
<th>NAME</th>
<th>DATE</th>
<th>MAX FLOW (MGD)</th>
<th>DISINFECTION TYPE</th>
<th>MAX FLOW LIMITS</th>
<th>EFFLUENT LIMITS</th>
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<tr>
<td>Plum Creek Watershed Protection Brochure</td>
<td>GBRA/ TXDOT</td>
<td>03/04/2010</td>
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<td>0.075/0.122/0.2</td>
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<td>126 cfu/100mL</td>
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<tr>
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### Agricultural and Non-Domestic Animal Management Measures

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<tr>
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<td>Feral Hog Control (Implementation)</td>
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### Agricultural Water Quality Management Plans

#### Livestock WQMPs

<table>
<thead>
<tr>
<th>Region</th>
<th>Subwatershed</th>
<th>Livestock (Non-Stormwater)</th>
<th>Certified Plans</th>
<th>Place in Development</th>
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<tr>
<td>Region</td>
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#### Cropland WQMPs

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### Outreach Activity: Broad-based and Urban Programs

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<td><strong>Urban Education</strong></td>
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<td><strong>Sports and Athletic Field Education</strong></td>
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<td><strong>Watershed Education</strong></td>
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### Feral Hog Implementation Tracking

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<th>Region</th>
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<th>Feral Hogs Removed</th>
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Water quality monitoring results for Water quality monitoring results for

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Routine and targeted monitoring Data

Stream Biological Assessments at two sites on Plum Creek

Routine and targeted monitoring Data
categorized by dry and wet weather samples

Water quality monitoring results for the wastewater treatment facilities

Routine and targeted monitoring Data
categorized by dry and wet weather samples

Wet

<table>
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<tr>
<th>Station</th>
<th>Dry Mean</th>
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<th>Dry Rang</th>
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</table>

Routine and targeted monitoring Data

Water quality monitoring results for ammonia-nitrogen at routine stations
Rainfall Data from the National Weather Station at Austin Bergstrom Airport

Nitrate Nitrogen Isotope Study Proposal to TSSWCB
- Plum Creek is listed as concern for elevated concentrations of nitrate-nitrogen
- Sources are numerous, effluent dominated stream also fed by springs that come from the Leona Aquifer, known for high nitrates
- Study will look at isotopic signatures of nitrogen and oxygen in the nitrates.
- The ratios are useful for determining sources of nitrates in groundwater and surface water.

Relationship of Nitrogen and Oxygen Isotopes and the Nitrogen Cycle

Document Functions as
- Progress report on efforts to implement WPP between Feb 2008 and Nov 2011 (~50%)
- Update to goals and strategies in WPP and supporting documentation (i.e., adaptive management) (~30%)
- Analysis of water quality data, criteria and measures of success (~20%)

Concept
- Originally not detailed in WPP
- TSSWCB 319 grant established intent for a biennial report but delayed 1st from Feb 2010 to Feb 2012
- This will continue on as an update report every 2 years.

Next Steps for WPP Update
- The document was updated with changes and additional information.
- On February 7, the update was provided to stakeholders to start the 21-day comment period ending Feb. 28th, 2012.
- Comments will be discussed at the February 9th quarterly partnership Meeting for approval.
- Publish, print, and distribute update beginning in March
Update on 4b Status for the Plum Creek Watershed

Aaron Wendt
Texas State Soil and Water Conservation Service

Update on New Implementation Project and Watershed Coordinator Position

Debbie Magin
Guadalupe-Blanco River Authority
And
Frank Hamilton
PCWP Steering Committee

New Watershed Coordinator Position

- The Request for Qualifications was sent out starting December 5th, 2011
- Qualifications were due by December 20, 2011 to GBRA
- Received 12 outstanding responses to the RFQ
- Responses were sent to the Selection Committee for review and ranking

Selection Process

- Selection Committee reviewed and ranked the responses and sent results to Debbie by January 5th, 2012
- Committee met on January 10th and selected the top 4 candidates to interview on January 27, 2012
  - Developed the interview questions and ranking sheet
  - Decided to ask the candidates to develop a 5-10 minute presentation on why they are most qualified for the position

Interview Questions and Ranking

- Describe experience with grants – writing, administration, etc.
- Describe your experience facilitating small groups, large groups, and one-on-one meetings and how you handled controversy.
- Give examples of your experience with written communications and brochures for outreach resources.
- Describe the organizational skills and tools that you would use to stay on top of the duties of the position.
- What is your personal goal for the Plum Creek Partnership?
Watershed Coordinator Position

- At the end of the interviews the Selection Committee met and decided on the top candidate
- After checking references the position was offered to the top candidate on Jan 31st, 2012
- Nick Dornak from Wyoming accepted the position and will be starting on March 1, 2012.

Texas Stream Team Update

Jennifer Buratti, Texas State University – Texas Stream Team

WHO WE ARE

- A joint partnership with the Texas Commission on Environmental Quality, U.S. EPA Region VI, Texas State University-San Marcos, and numerous partners.
- Support a network of volunteer water quality monitors

WHO WE ARE

Plum Creek Elementary 4th grade students, testing water samples, January 27, 2012
PROGRAM TOOLS

- Volunteer Monitoring
- Group Oriented
- Data Viewer
- Online Modules
- Education & Outreach
- Sedimentation
- Paperless
- Newsletter
- Email Marketing

LINKS TO TOOLS

- Data viewer
  - https://aqua.rivers.txstate.edu/
- Online modules
- Sedimentation curriculum
  - http://txstreamteam.rivers.txstate.edu/educators/curriculum.html
PARAMETERS AND DATA

- Air temp
- Water temp
- Flow
- pH
- Nitrates-N (new – not measuring in Plum Creek yet)
- Dissolved Oxygen
- Conductivity
- Days Since Last Rain Event
- Rainfall
- Secchi disk transparency
- E. coli

Handout of Data Summary 2009-2011

Thank you
Presented by: Jennifer Mandel Buratti
jmburatti@txstate.edu
512-245-7470

Implementation of Agricultural Best Management Practices

BJ Westmoreland
Caldwell-Travis Soil and Water Conservation District

Technical and Financial Assistance for Ranchers and Farmers in the Plum Creek Watershed

Plum Creek Watershed Partnership Meeting 2/9/2012
Update

To Date:
- 8 WQMPs certified
- 3 WQMPs in the process of being certified
- Additional 335.5 Acres
- 55.9 Acres of grass planting planned
- 2 additional water wells, associated pipelines and troughs
- Additional cross-fencing
- All at different stages of implementation
- 1088 acres under plan
- 110 acres of grass planted
- 6,529 feet of fence constructed

Moving Forward

- Continue WQMP development for enrolled producers
- Assist producers with conservation requests and concerns
- Assist producers with the implementation of conservation practices

Moving Forward (continued)

- Further public knowledge of the program through additional press releases
- Plan a potential field day at a WQMP/EQIP participants property

Thanks

Questions?

Contact Information:
B.J. Westmoreland
District Technician
Caldwell-Travis SWCD
1403-D Blackjack St.
Lockhart, TX 78644
512-398-2121 Ext. 3
bradford.westmoreland@tx.nacdnet.net
Update on Plum Creek Feral Hog Education Program

Jared Timmons
Texas AgriLife Extension Service – Wildlife & Fisheries Science

Presentations/Meetings
- 11/10 – International Farm and Ranch Show in San Antonio
- 1/25 – Harwood Beef Cattle Program

Feral Hog Management Workshop
- Feb. 14 at Luling Civic Center
  - 5 CEUs offered (2 IPM, 2 General, 1 Laws & Regs)

Media
- News Releases:
  - 12/22 – "New AgriLife Extension publication helps keep the hogs out"
  - 1/18 – "Feral Hog Management Workshop scheduled Feb. 14 in Luling"
- Wild Wonderings blogs:
  - 11/14 – “Excluding Feral Hogs from Wildlife Feeding Stations”
  - 1/18 – “Feral Hog Management Workshop Feb. 14 in Luling”

Education Program for Feral Hog Management in the Plum Creek Watershed

Jared Timmons
Extension Assistant
Texas AgriLife Extension Service
Department of Wildlife and Fisheries Sciences
February 9, 2012
Landowners

- Four site visits
- Three new landowner accounts
- Nine public reports –
  - 4 in Plum Creek Watershed
  - Removing 43 feral hogs
- 14 landowner reports –
  - 14 in Plum Creek Watershed
  - Removing 63 feral hogs

Available resources

- http://pcwp.tamu.edu/FeralHogs/
- Publication links
- Site visits for landowners
- Presentations for groups

Project Funding

- Provided through a Clean Water Act §319(h) nonpoint source grant from the Texas State Soil and Water Conservation Board and the U.S. Environmental Protection Agency

Questions?

Jared Timmons
Extension Assistant
(254) 485-4886
jbtimmons@ag.tamu.edu

Next Steps

Nikki Dictson
Texas AgriLife Extension Service

PCWP Steering Committee Meeting

Thursday, May 3, 2012
6:30 to 9:00 pm
Lockhart State Park, Lockhart
Feral Hog Workshop

Tuesday, February 14, 2012
8:00 to 3:45 pm
Luling Civic Center
Pre-registration required

Kyle’s Plum Creek Watershed Cleanup Event

Saturday, February 25, 2012
Starting at 8:30 am
Lake Kyle at 700 Lehman Road

Caldwell County Oil and Gas Air Permitting Workshop

Zedler Mill Pavilion
Luling
February 21, 2012
1:30 – 5 PM

Plum Creek WPP Update

Public Comment Period will end February 28, 2012
Please send me all of your comments/edits to incorporate into the document

Thanks!

Nikki Dictson
2474 TAMU, College Station, Texas 77845
n-dictson@tamu.edu
979-575-4424
http://pcwp.tamu.edu