

## **ACTION PLAN**

The following table is an Action Plan that draws heavily from the goals and objectives described earlier in this report.

**Categories:** Soil Erosion, Water Resources, Nutrient Management, Land Use Planning, Waste Disposal

Each category has the following:

|                               |   |
|-------------------------------|---|
| <b>Goals</b>                  | The establishment of these goals came from the collaboration of The Land Conservation Department, the Local Work Group, Land Use Planning Group, and the Land Conservation Committee. These are broad categories addressing major resources and concerns  |
| <b>Actions</b>                | These are work items for the named staff and unnamed volunteers   |
| <b>Objectives</b>             | These are ways to meet the goals that are specific and measurable that has time and skill components.   |
| <b>Status/Priority</b>        | C = Completed, D = Deferred, N = New, O – Ongoing / Low, Medium, or High  |
| <b>Estimated Yearly Costs</b> | These list minimum staffing needs and various agency cost sharing   |
| <b>Who</b>                    | These are agencies or individuals: Crawford County Land Conservation Department (LCD); Natural Resources Conservation Service (NRCS); Farm Service Agency (FSA); University of Wisconsin Extension Service (UWEX); Wisconsin Department of Natural Resources (DNR); Kickapoo Woods Cooperative (KWC); Valley Stewardship Network (VSN); Southwest Technical College (SW Tech) |
| <b>When</b>                   | This is a two year action plan to be reviewed and revised by the Crawford County Land Conservation Department and Committee at the end of the period. Updated work plans for 2008 – 2010 will be submitted to DATCP and other cooperating agencies.   |
| <b>Accomplishments</b>        | These are projected outcomes of the efforts in the categories   |

An important element of the action plan is the implementation of the NR 151 performance standards. These standards are addressed throughout this plan but special note is to be taken here about how this is to happen in Crawford County. The first step is to ***educate and inform*** landowners and operators of the relevant requirements of ATCP 50 and NR 151. A steep learning curve in this area is ahead of most Crawford County farmers. The statewide performance standard information and education effort to assist counties needs a wider scope and more resources. The technical nature of our Land Conservation Department makes us draw on information specialists such as UW Extension, DNR, & DATCP for help in this area. Specific I & E tools for this plan are:

- DNR, NRCS brochures such as, Crawford Count Land Conservation Department Web site, Wisconsin’s Forestry Facts & Forestry BMP manual, FSA Newsletter, Contractor Workshop, Newspaper Releases, Wisconsin Runoff Rules: What Farmers Need to Know, Phosphorus Movement from Land to Water, CREP fact sheets, UWEX web sites, Farmland Conservation Choices, When and Where to Apply Manure, Owning Rural Lands, Country Acres,

What is a Farm Nutrient Management Plan?, Local Contractor Workshops. Two to five mailings in the Rush Creek Watershed (identified as high priority) will be sent yearly.

## **SOIL EROSION**

### **Goal 1: Bring all fields in County to T**

| OBJECTIVES   | ACTIONS  | STATUS/<br>PRIORITY | ESTIMATED<br>YEARLY<br>COSTS  | WHO<br>(Lead<br>agency<br>is listed<br>first) | WHEN           | ANTICIPATED YEARLY<br>ACCOMPLISHMENTS   |
|--|--|---------------------|---|---|----------------|---|
| Determine the average soil loss of Crawford Co. and track trends in soil erosion | Complete transect survey.<br>Maintain computer database.<br>Compare aerial photos from pervious years.   | O/H                 | Staff<br><br>LCD 200 hrs –<br>\$5000<br>NRCS 40 -   | LCD<br>NRCS                                   | 2006 -<br>2007 | - Annual Transect Survey  |
| Educate absentee landowners on conservation practices.                           | Get a list from County Treasurer’s office of absentee landowners. Develop and provide a package of information on conservation programs, practices, & agencies to give to new landowners. Work one-on-one with landowners as they call or stop in  | O/H                 | Staff<br><br>LCD 80 hrs -<br>\$2000<br>NRCS 100 -<br>UWEX 20 -  | LCD,<br>NRCS,<br>UWEX                         | 2006 -<br>2007 | - Distribute 200 Copies of Valley Stewardship Network brochure  |
| Reduce soil erosion to “T” tolerable soil loss limit on all cropland.            | Have LCD employees plan crop fields to tolerable soil loss or less. Implement NR 151 strategy. Encourage NRCS employees to plan crop fields to tolerable soil loss limits. Provide technical assistance to landowners to install contour strip cropping and contour buffer strips. Promote no-till, zone | O/H                 | Staff<br><br>LCD 1000 –<br>\$25,000<br>NRCS 1500 –<br><br>Cost Share<br>DATCP \$13,000<br>EQIP \$75,000 | LCD<br>NRCS                                   | 2006 -<br>2007 | - Write 10 whole farm Conservation Plans<br>- Install 1000 Acres of Contour Strip Cropping and Contour Buffer Strips,<br>- Conduct 20 NR 151 evaluations in priority areas (Rush Creek) using |

|   |   |     |   |             |             |  |
|---|---|-----|---|-------------|-------------|--|
|   | tillage, contour strip cropping, and contour buffer strips. Encourage landowners of crop fields of 18% or steeper to use less intensive cropping practices. |     |   |             |             | the Compliance Checklist worksheet.    |
| Showcase examples of good conservation ethics | Continue annual Land Conservation Committee. Conservation Farmer Awards, Speech Contests, Poster Contests, Conservation Camp... etc.                        | O/M | Staff<br>LCD 300 - \$7,500<br>NRCS 50 - | LCD<br>NRCS | 2006 - 2007 | - Awards Programs, County Fair Booths, |

**Goal 2: Reduce erosion on land other than cropland.**

| OBJECTIVES  | ACTIONS   | STATUS/PRIORITY | ESTIMATED YEARLY COSTS   | WHO                              | WHEN        | ANTICIPATED YEARLY ACCOMPLISH-MENTS   |
|---|---|-----------------|--|----------------------------------|-------------|---|
| Educate loggers and earth moving contractors on how to properly build driveways, logging, and access roads. | Hold a periodic workshop to show loggers and other earth moving contractors how to build logging and access roads. Discuss at the Crawford/Richland County contractor workshop how to build and/or repair logging, access roads, and driveways.   | O/M             | Staff<br>LCD 20 - \$500<br>RC&D 20 -                             | RC&D<br>LCD<br>DNR<br>KWC<br>GRR | 2006 - 2007 | - RC&D light on land event<br>- 6 Pasture walks done by Great River Grazers |
| Educate and assist landowners to prevent erosion on land other than cropland                                | Encourage landowners to work with DNR foresters on developing a logging contract for their property to prevent and control soil erosion during and after timber sale. Provide technical services to landowners to prevent stream bank erosion. Promote intensive rotational grazing practices and provide technical assistance. Include | O/M             | Staff<br>LCD 20 - \$500<br>NRCS 50 -<br><br>Cost Share<br>NRCS - | LCD<br>NRCS                      | 2006 - 2007 |   |

|   |  |     |  |             |             |                               |
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|   | construction site erosion with building permit or brochure handed out at the town clerks office.   |     |  |             |             |                               |
| Increase acreage of riparian areas protected.   | Work with FSA and NRCS to enroll more acres of marginal pasture in CRP as riparian buffers. Provide landowners brochures on the CREP buffer initiative.  | O/M | Staff<br>LCD 100 - \$2,500<br>NRCS 100 - Cost-Share<br>DATCP | LCD<br>NRCS | 2006 - 2007 | - Contracts throughout county |
| Educate landowners regarding the erosion from driveways, logging roads, and access roads. | Provide technical assistance to landowners on proper construction repair and maintenance of driveways, logging roads, and access roads. Work with townships to educate about the need to develop and enforce a driveway ordinance. Invite the city and township crews to a construction meeting. | D/L | Staff<br>LCD 20 - \$500<br>NRCS 20 -                         | LCD<br>NRCS | 2006 - 2007 |                               |

**Goal 3: Increase money available for cost sharing to install practices to prevent erosion.**

| OBJECTIVES  | ACTIONS  | STATUS | ESTIMATED YEARLY COSTS                   | WHO (Lead agency is listed first) | WHEN        | ANTICIPATED YEARLY ACCOMPLISHMENTS  |
|---|--|--------|--|-----------------------------------|-------------|---|
| Encourage landowners to address soil erosion problems | Work with landowners to sign up for federal, state, and county programs. Implement NR 151 strategy. Work with landowner to sign up for the state Forest Landowner Grant program for logging road repair, and any other funding sources that may be available | O/H    | Staff<br>LCD 200 - \$5,000<br>NRCS 100 - | LCD<br>NRCS                       | 2006 - 2007 | - Make 25 Landowner Contacts<br>- 1 Landowner Recipient of the state Forest Landowner Grant |
| Provide and document cost-share practices to          | Apply to state for Land and Water Management Grant money to provide  | O/H    | Staff<br>LCD 100 -                       | LCD<br>NRCS                       | 2006 - 2007 | - Identify and Apply for 10 Grants  |

|            |  |  |         |     |  |  |
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| landowners | more cost share dollars. Apply to state for other grant money, as it becomes available. Look for private sources of money. Apply for grants from private sources. Apply for grant money for demonstration projects. Work with wildlife groups for possible grants. |  | \$2,500 | DNR |  |  |
|------------|--|--|---------|-----|--|--|

## **WATER RESOURCES**

### **Goal 1: Maintain the groundwater integrity and supply of this county.**

| OBJECTIVES  | ACTIONS   | STATUS/<br>PRIORITY | ESTIMATED<br>YEARLY<br>COSTS               | WHO<br>(Lead<br>agency<br>is listed<br>first) | WHEN           | ANTICIPATED YEARLY<br>ACCOMPLISHMENTS   |
|---|---|---------------------|--|---|----------------|---|
| Educate landowners, both rural and urban, on the proper use and application of fertilizers and pesticides     | Provide brochures explaining proper use and application of fertilizers and pesticides. Initiate a call in radio show to discuss proper use and application of fertilizers and pesticides on lawns and gardens. Continue the pesticide applicator-training program. Develop 590EZ plan for those required to by the Ordinance. | O/H                 | Staff<br>LCD 300 -<br>\$7,500<br>NRCS 50 - | UWEX<br>LCD<br>NRCS                           | 2006 -<br>2007 | - Distribute 100 brochures<br>- Distribute Train 15 people on pesticide application<br>- Develop 45 590EZ plans |
| Reduce potential ground water pollution from improperly constructed and mismanaged manure storage structures. | Work with owners and operators of mismanaged systems to explain a better way of managing their systems. Provide technical assistance to landowners on manure storage. Recommend the Feedlot Siting Ordinance and Adoption of an inventory manure storage facilities and feedlots in the city and status.                      | D/M                 | Staff<br>LCD 50 -<br>\$1,250               | LCD<br>NRCS                                   | 2006 -<br>2007 | - properly abandon one manure storage structure bi-annually   |

|   |   |        |   |                           |                |                             |
|---|---|--------|---|---------------------------|----------------|-----------------------------|
|   | Implement NR 151 strategy.  |        |   |                           |                |                             |
| Reduce groundwater pollution travelling through direct conduits to groundwater. | Develop a mechanism for distribution of educational materials on sinkholes, well abandonment, septic systems, and underground tanks. Provide technical assistance & cost share on well abandonment and sinkhole protection. Review NR 135 Reclamation Plans | O, C/H | Staff<br>LCD 750 -<br>\$18,750<br><br>Cost Share<br>DATCP | LCD<br>NRCS<br>Sanitarian | 2006 -<br>2007 | - 5 well abandonment's/year |

**Goal 2: Maintain and enhance the surface water quality of this county.**

| OBJECTIVES   | ACTIONS   | STATUS/<br>PRIORITY | ESTIMATED<br>YEARLY<br>COSTS   | WHO<br>(Lead<br>agency<br>is listed<br>first) | WHEN           | ANITICPATED YEARLY<br>ACCOMPLISHMENT   |
|--|---|---------------------|--|---|----------------|--|
| Educate landowners on how to prevent chemicals, sediments and other contaminants from reaching the rivers and streams. | Provide information on radio and in the newspaper on preventing urban runoff. Stencil storm drains with "Dump no waste. Drains to river". Develop a 590EZ plan for those required to by the ordinance.  | O/M                 | Staff<br>LCD 200 -<br>\$5,000<br>SW Tech 500                         | LCD<br>NRCS<br>SW<br>Tech                     | 2006 -<br>2007 | Do radio spot w/ UWEX<br>Cooperate w/ PdC 5 <sup>th</sup> grade<br>Coordinate w/ SW Tech   |
| Reduce sediment delivery from erosion sources. Implement NR 151 strategy.  | Provide technical assistance to landowners to install Best Management Practices to reduce soil erosion. Have a stream bank demonstration project to show how to install rock riprap, lunker structures, and stream crossings. Have a stream bank demonstration project on private property with cattle access showing a cattle crossing and showing rotational grazing along a stream bank. Encourage landowners to sign up for cost-share. | O, C,/H             | Staff<br>LCD 200 -<br>\$5,000<br><br>Cost Share<br>DATCP<br>\$85,000 | LCD<br>NRCS<br>DATCP                          | 2006 -<br>2007 | - Install 1,500 Feet of<br>Streambank practices<br>- 1 streambank demo site/year<br><br>- Install 5 grade stabilization<br>structures, 2000 ft of rip –<br>rap, intall 5 fish habitat<br>structures, |
| Protect current wetlands and increase the acres of wetlands through restoration.                                       | Encourage landowners to participate in the federal Wetland Reserve Program. Work with NRCS and DNR to promote wetland restoration and the Wetland   | O/M                 | Staff<br>NRCS 100 -  | NRCS  | 2006 -<br>2007 | - WHIP contract  |

|                               |  |     |                               |                    |                |   |
|-------------------------------|--|-----|-------------------------------|--------------------|----------------|---|
|                               | Reserve Program. Educate the public on what wetland restoration is and why it is done. |     |                               |                    |                |   |
| Monitor surface water quality | Document and monitor baseline data<br>Seek funding. Participate in WAV program         | N/H | Staff<br>LCD 300 -<br>\$7,500 | LCD<br>UWEX<br>VSN | 2006 -<br>2007 | - Monitor and document 3 sites annually |

**Goal 3: Increase funding for cost-sharing and demonstration project**

| OBJECTIVES   | ACTIONS  | STATUS/<br>PRIORITY | ESTIMATED<br>YEARLY<br>COSTS  | WHO<br>(Lead<br>agency<br>is listed<br>first) | WHEN           | ANTICIPATED YEARLY<br>ACCOMPLISHMENTS |
|--|--|---------------------|-------------------------------|---|----------------|---------------------------------------|
| Increase amount of cost-share dollars and grant dollars available to landowners. | Assist landowners applying for Federal and State cost-share dollars. Apply for state grants when they are available. Work to secure private grants. Look for other private money. Work with local sports groups for financial assistance or volunteer help. Coordinate with all agencies securing grant funds and targeting resource problems. All agencies assist with permit applications. | O/M                 | Staff<br>LCD 200 -<br>\$5,000 | LCD<br>NRCS<br>DNR                            | 2006 -<br>2007 | - SWRM, EQIP, Stewardship             |
| Obtain grants and funds for demonstration projects.                              | Work with federal and state agencies to secure funds for demonstrations. Work with sports groups such to secure funds for demonstrations.  | O/M                 | Staff<br>LCD 200 -<br>\$5,000 | LCD<br>NRCS                                   | 2006 -<br>2007 | - Multi-Flora Rose Control            |
| Improve communication of resource professionals                                  | Meet yearly for information exchange for planning and status of programs.  | O, N/M              | M                             | All<br>Agencie<br>s                           | 2006 -<br>2007 | - Local Work Group                    |
|  |  |                     |                               |   |                |                                       |

# **NUTRIENT MANAGEMENT**

***Goal 1: Improve and protect the quality of our natural resources by the judicious and economic use of nutrients.***

| OBJECTIVES   | ACTIONS   | STATUS/<br>PRIORITY | ESTIMATED<br>YEARLY<br>COSTS  | WHO<br>(Lead<br>agency is<br>listed<br>first) | WHEN           | ANTICIPATED YEARLY<br>ACCOMPLISHMENTS  |
|--|---|---------------------|-------------------------------|---|----------------|--|
| Educate Crawford County residences concerning wise use of nutrients by the judicious and economic use of nutrients | Promote participation by the public of WI public radio. Distribute bulletins on nutrient management for yards and gardens. Promote work with Master Gardeners. Compare through education the management of nutrients on the farm to the households through bulletins, demonstrations, radio shows. Hold workshops discussing the financial advantages, techniques of measuring nutrients and understanding results and corrective measures. Promote the use of the County's manure scales for weighing manure spreaders. Hold demonstrations and discuss results on the radio and in the newspaper. At the private workshops, promote Nutrient Management Planning. Implement NR 151 strategy. Develop and promote examples of success. | O/M                 | Staff<br>LCD 300 -<br>\$7,500 | UWEX<br>LCD<br>NRCS                           | 2006 -<br>2007 | <ul style="list-style-type: none"> <li>- Radio spots w/ UWEX</li> <li>- Encourage enrolling in SW Tech nutrient management class</li> <li>- Conduct two informational meetings in Priority Area (Rush Creek)</li> <li>- Weigh 7 (seven) spreaders for manure calibration on priority farms.</li> </ul> |
| Encourage nutrient management planning for conventional as well as sustainable agricultural whole farm plans       | Develop grant and cost-share opportunities to provide for nutrient management planning.   | O/M                 | Staff<br>LCD 200 -<br>\$5,000 | NRCS<br>LCD<br>UWEX                           | 2006 -<br>2007 | Do one demo whole farm plan w/ NRCS  |
| Provide nutrient management planning assistance  | Provide staff or consultant for landowners to complete a nutrient management plan.  | O/M                 | Staff<br>LCD 200 -<br>\$5,000 | SW Tech<br>LCD                                | 2006 -<br>2007 | Start Nutrient Management satellite class in SW tech room  |

|                                 |                                      |     |                               |     |  |   |
|---------------------------------|--------------------------------------|-----|-------------------------------|-----|--|---|
| Update Manure Storage Ordinance | Develop strategy to update Ordinance | O/M | Staff<br>LCD 100 -<br>\$2,500 | LCD |  | - |
|---------------------------------|--------------------------------------|-----|-------------------------------|-----|--|---|

## **LAND USE PLANNING**

**Goal 1: Provide guidance and expertise from cooperating agencies to assist townships with land use planning.**

| OBJECTIVES  | ACTIONS   | STATUS/<br>PRIORITY | ESTIMATED<br>YEARLY<br>COSTS  | WHO<br>(Lead<br>agency<br>is listed<br>first) | WHEN           | ANTICIPATED YEARLY<br>ACCOMPLISHMENTS                                      |
|---|---|---------------------|-------------------------------|---|----------------|--|
| Educate to gain interest and support from townships to promote land use planning. | Provide information and education to townships. Document land use changes by doing transect survey yearly. Promote the design, construction, and long term care of roadways in Crawford County by inviting townships from other counties to share their planning experiences. | O/M                 | Staff<br>LCD 240 -<br>\$6,000 | LCD<br>UWEX                                   | 2006 -<br>2007 | - Regular Land Use Group meetings. Land Use Committees formed in townships |
| Assess current land uses.   | Compile information on a countywide basis. Characterize the current land uses and issues. In addition, consider future land use trends.   | O/M                 | Staff<br>LCD 20 -<br>\$500    | LCD<br>UWEX<br>MRRP<br>C                      | 2006 -<br>2007 | - Continue data set  |
| Expand the county GIS system  | Coordinate existing data and incorporate into county's system<br>Implement NR 151 tracking  | N/H                 | Staff<br>LCD 200 -<br>\$5,000 | LCD<br>NRCS                                   | 2006 -<br>2007 | Build one GIS layer w/ property lister                                     |
|   |   |                     |                               |   |                |  |

# WASTE DISPOSAL

## Goal 1: To enhance the recycling of products.

| OBJECTIVES                     | ACTIONS   | STATUS/<br>PRIORITY | ESTIMATED<br>YEARLY<br>COSTS  | WHO<br>(Lead<br>agency<br>listed<br>first) | WHEN           | ANTICIPATED YEARLY<br>ACCOMPLISHMENTS |
|--------------------------------|---|---------------------|-------------------------------|--|----------------|---------------------------------------|
| Collect recyclables            | Hold tire sweep periodically. Collect ag plastics (silo & bale bags) annually. Promote collecting fluorescent bulbs and batteries annually. | O/M                 | Staff<br>LCD 200 -<br>\$5,000 | LCD<br>NRCS<br>UWEX                        | 2006 -<br>2007 | - Clean Sweep                         |
| Develop new recycling programs | Have townships, on a trial basis, utilize shredded paper for alternative uses   | D/L                 |                               | Town-<br>ships                             | 2006 -<br>2007 |                                       |
|                                |   |                     |                               |  |                |                                       |

## Goal 2: To protect the environment by the proper disposal of unwanted and hazardous products.

| OBJECTIVES   | ACTIONS  | STATUS/<br>PRIORITY | ESTIMATED<br>YEARLY<br>COSTS             | WHO<br>(Lead<br>agency is<br>listed<br>first) | WHEN           | ANTICIPATED YEARLY<br>ACCOMPLISHMENTS |
|--|--|---------------------|--|---|----------------|---------------------------------------|
| Collect unwanted and hazardous products on a biannual basis. | Hold a joint Household/Ag Clean Sweep biannually.  | O/M                 | Staff LCD, 50 -<br>\$1,250.<br>DATCP 100 | LCD<br>NRCS<br>UWEX                           | 2006 -<br>2007 | - Triennial Clean Sweep               |
| Increase the miles of roads for roadside clean-up            | Encourage the civic organizations to organize a county wide roadside pick-up. Encourage townships to do roadside clean-up of town roads. | D/L                 |  | County<br>Highway                             | 2006 -<br>2007 |                                       |

Note:

- LCD hours in Action Plan are 5620. Crawford County Land Conservation Department staff have 4485 hours to devote to the action plan leaving a shortfall of 1135 hours to implement this action plan. Estimated annual staffing cost is \$143,750. Estimated annual shortfall is \$31,925.
- DATCP estimated annual costs other than staff \$98,000.
- FSA, NRCS, DNR estimated annual costs other than staff \$75,000.