

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: ARRA_Project15 WTDO
Name: ARRA 15 Village of Sussex Spring Creek Grant 2P-00E73201
Type: Grant Project
Subtype: ARRA Pass Through Project
Status: ACTIVE
Start Date: 02/09/2010
End Date: 10/31/2010
Purpose: Spring Creek planning and study of culvert removals and stream restoration of Spring Creek, an impaired waterbody.
Objective: Develop a strategy to remove man-made barriers to this waterway and restore a natural stream flow pattern. Collect data to be used in a study on the water quality benefits and treatment of urban pollutants through restoration of natural stream segments in suburban areas, including the capacity for mitigating urban runoff impacts, through:
 ; more evenly-dispersed flow through natural meanders and in-stream vegetation during storm events as compared to piped systems;
 ; nutrient uptake by in-stream and nearby vegetation;
 ; incorporation of sediment into restored streambed;
 ; transport of ;normal; amounts of sediment downstream, as compared to excessive scouring of streambed due to current ;flashy; type of system
 ; evaporation and infiltration of runoff throughout the drainage area, rather than depositing excess water in the downstream reaches of the basin
 ; temperature stabilization

Comments: DUNS #: _____ CCR#: _____
 Total project award: \$36,000

Outcome: A detailed plan describing the strategy for removing artificial barriers to the stream system which could be adopted by local units of government, to be used for development of infrastructure and downtown re-development planning. Recommendations from this plan could be adopted by other communities with similar stream obstacles. The study would determine if there is a water quality benefit to daylighting and restoring other stream segments in semi-urban communities by allowing runoff to be treated by the natural ecosystem, as opposed to directing water away to the nearest downstream surface water. Other previous studies around the country have primarily focused on the habitat values of daylighting projects, as opposed to water quality improvements. Results of this study could be considered in deciding other water quality projects to implement in the region.

Project Statuses

| Date | Reported By | Status | Comments |
|------------|-----------------|----------------|--|
| 04/16/2010 | MAUREEN MCBROOM | 0-25% Complete | consultant has gathered field data; using this to begin designing preliminary alternatives before next meeting |

Project Status Detail

| Question | Answer |
|--|--|
| 1. Reporting Timeframe (Q1 (Oct-Dec), Q2 (Jan-Mar), Q3 (Apr-June), Q4 (July-Sept): | Q2 |
| 2. Amount expended this time period: | |
| 3. Subcontracts or subgrants awarded this period: | |
| 4. Number work hours created or maintained to date: | |
| 5. Work accomplished this reporting period: | primarily field work and preliminary study; survey work for existing stream and potential re-alignment locations |
| 6. Work goals for coming reporting period: | results of meeting, discussions; advanced drawings of alternatives; discussion of study & outreach to community |
| 7. Overall project status: | beginning stages (<25% complete) |
| 8. WDNR Question: Job equivalent Created | |

People

| Name | Role | Status | Start Date | End Date | Organization | Comments |
|--------------------|--------------|--------|------------|----------|---------------|----------|
| D ANTUONO, JAMES R | PROJECT_OFFI | ACTIVE | 10/03/2009 | | Wisconsin DNR | |

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| Name | Role | Status | Start Date | End Date | Organization | Comments |
|--------------------|---------------|--------|------------|----------|-------------------|----------|
| MCBROOM, MAUREEN A | PROJECT_OFFI | ACTIVE | 04/16/2010 | | Wisconsin DNR | |
| VILLAGE OF SUSSEX, | GRANT_RECIPII | ACTIVE | 10/03/2009 | | VILLAGE OF SUSSEX | |

Actions

| Action | Detailed Description | Start Date | End Date | Status |
|-------------------------------|----------------------|------------|------------|----------|
| Restore Hydrology, Morphology | | 10/03/2009 | 06/30/2010 | PROPOSED |
| Restore Riparian Habitat | | 10/03/2009 | 06/30/2010 | PROPOSED |

Monitoring Stations

| Station I | Name | Comments |
|-----------|-------------------------|----------|
| 683208 | Sussex Creek at Sth 164 | |

Assessment Units

| WBIC | Segment | Local Name | Official Name |
|--------|---------|--------------|---------------|
| 773400 | 1 | Spring Creek | Spring Creek |

Lab Account Codes

| Account Code | Description | Start Date | End Date |
|--------------|-------------|------------|----------|
|--------------|-------------|------------|----------|

Forms

| Form Code | Form Name |
|-----------|-----------|
|-----------|-----------|

Methods

| Method Code | Description |
|-------------|-------------|
|-------------|-------------|

Fieldwork Events

| Start Date | Status | Field ID | Station ID | Station Name |
|------------|--------|----------|------------|--------------|
|------------|--------|----------|------------|--------------|

Documents

| Title | Description | Author | Published | Comments |
|--|-------------|--------|------------|----------|
| ARRA 15 Village of Sussex Spring Creek Contract | | WDNR | 10/29/2009 | |
| ARRA 15 Village of Sussex Spring Creek Project Description | | WDNR | 07/22/2009 | |

Budget

| Code | Description | Quantity | Units | Unit Cost | Total Cost |
|-----------|-------------|------------|-----------|-----------|------------|
| Test Code | Description | Test Group | # Planned | Unit Cost | Total Cost |

Total SLOH Lab Costs: \$0.00