General Project Information

| Project ID: | East_TWA_4_2017 |
|---------------|--|
| Name: | Pipe Creek TWA 2017-2018 |
| Туре: | Targeted Watershed Approach |
| Subtype: | Effectiveness (BMP, Other) |
| Status: | COMPLETE |
| Start Date: | 7/1/2017 |
| End Date: | 6/30/2018 |
| Purpose: | This project will evaluate water quality improvement/preservation efforts made in the Pipe Creek Watershed by Fond Du Lac County LWCD and NRCS.[TWA HUC12-040302030303] This is a Section 319 project. |
| Objective: | This project will provide the water quality assessment to evaluate the effectiveness of watershed BMPs in the Pipe Creek Watershed on the East side of Lake Winnebago. In 2016, Fond Du Lac County LWCD received a Great Lakes Commission grant (\$175,728) to reduce the phosphorus and sediment load in the Great Lakes, specifically the Pipe Creek Watershed. This project will provide the water quality data to determine whether or not the watershed improvements reduced the nutrient and sediment load to Pipe Creek and its downstream receiving waters. Eight locations will be monitored Total Phosphorus, Total Suspended Solids, Fish, Macroinvertebrates, Diatoms, Habitat, and Temperature. In addition, this monitoring will serve as follow-up monitoring for a fish kill in Pipe Creek in 2014 from a CAFO in the watershed. |
| Comments: | Five WBICs will be sampled during this project: 3000189, 132800, 5025714, 5025580, 5025742. |
| | |
| Outcome: | Water quality monitoring will be conducted at 8 locations and final report written by 12/31/2018. This data will provide insight into the effectiveness of best management practices by a Great Lakes Grant. |
| Study Design: | Aquatic macroinvertebrates will be collected at 8 locations in October 2017 (FY18). One day of sampling and 1 day to represerve and transport to UWSP. All data will be entered into SWIMS database by UWSP staff by 12/31/2018. Qualitative Habitat surveys will be conducted at 8 locations in FY18. Habitat data will be collected at each location during fish surveys and 1 day is needed to enter the data into database. All data will be entered into FMDB by Water Resources staff by 12/31/2017. Fish surveys will be conducted at 8 locations in FY18. Three days of sampling will be needed to complete the field surveys from July through September 2017. All fish data will be entered into the FMDB by Water Resources staff by 12/31/2017. Thermistors will be deployed at 8 locations from May to October 2017 to collect temperature data. Two sampling days will occur to deploy and retrieve the thermistors. All data will be uploaded into SWIMS by Water Resources staff by 12/31/2017. Inorganic chemistry (TP and TSS) monitoring will be conducted at 6 locations. Sampling will occur twice per month May through June 2017 for TP and TSS at 6 locations. Additionally, sampling for TP will be conducted once per month July through October 2017. Thirdly, sampling for TSS will be conducted once per month in July and October 2017 at 6 locations. |

QA Measures: Standard DNR and SLOH protocols will be followed. All samples will be sent to Wisconsin State Lab of Hygiene for analysis and will be entered by the lab into SWIMS by 12/31/2017. A final report will be written and attached to this project by 12/31/2018.

People

| Name | Role | Status | Start Date | End Date | Organization | Comments |
|--------------------|-------------|----------|------------|-----------|---------------|----------|
| BOLHA, DAVID A | COORDINATOR | ACTIVE | 3/1/2017 | 6/30/2018 | Wisconsin DNR | |
| Helmuth, Lisa D | COORDINATOR | INACTIVE | 7/1/2017 | 6/30/2018 | Wisconsin DNR | |
| Kleeman, ZACHARY K | TEAM_MEMBER | COMPLETE | 7/1/2017 | 6/30/2018 | Wisconsin DNR | |

Project Statuses

| Date | Reported By | Status | Comments |
|-----------|-------------|----------|-------------------------|
| 1/11/2017 | DAVID BOLHA | Proposed | Pipe Creek TWA Proposed |

| 12/12/2017 | DAVID BOLHA | Progress: 75-100% Complete | Pipe Creek TWA project monitoring complete. Monitoring results will be returned in summer 2018. Report will be completed by 12/31/2018. |
|------------|-------------|----------------------------|--|
| 12/13/2018 | DAVID BOLHA | Final Report Needed | Baseline monitoring completed. The monitoring report has been added to the Documents section of this project. This is now a WQ Plan project. |
| 1/16/2020 | DAVID BOLHA | Public Comment Period | Pipe Creek TWA Monitoring report is completed. Water Quality Plan writeup and public comment April 2020. |

Project Status Detail

Answer Set: DEFAULT

| Question | Answer |
|--|---|
| 1. Number of Sample Sites (Enter the station IDs if you know them). | 8 sample locations; 10016803, 10042194, 10047728-10047733 |
| 2. Number of Sample Events (Indicate how many trips into the field you anticipate for this project). | 17 days in the field; 8 days collecting inorganic samples, 3 days for fish, 2 days for bugs, 2 days for diatoms, 1 day of recon, 1 day for thermistor deployment. |
| 3. Proposed Dates for Sample Collection | Biweekly sampling for TP and TSS in May and June 2017. Monthly sampling for TP and TSS July through October 2017. Fish surveys during the recommended Fish IBI period. Bugs collected in October 2017. Diatoms collected in July or August 2017. Habitat surveys conducted during fish survey period. |
| 4. List applicable databases and who will enter data? | SWIMS: inorganic chemistry entered by WSLOH, Bugs by UWSP AEL, Temperature data uploaded by Water Resources Staff FMDB: Habitat and Fish Data by Water Resources Staff |
| 5. Did you receive competitive projects funding in the previous year? | No |
| 6. If yes to question 5, did you complete the projects including data entry and reports as necessary? If not, why not? | |
| 7 Devices National Identification and an increase with a prior of (and | |

7. Reviewer Notes: Identify questions or issues with project (use during review period)

8. Reviewer Decision: Is this project recommended for funding?

Actions

| Action | Detailed Description | Start Date | End Date | Status |
|---|--|------------|-----------|----------|
| Action | Detailed Description | Start Date | End Date | Otatus |
| Monitor Watershed (Status,Sources,Impairments) | This project will evaluate water quality improvement/preservation efforts made in the Pipe Creek Watershed by Fond Du Lac County LWCD and NRCS.[TWA HUC12- 040302030303] This is a Section 319 project | | 4/15/2018 | COMPLETE |
| Details: Parameter | Value/Amount Units | s Co | mments | |
| Total Nitrogen | | | | |
| Total Phosphorus | | | | |
| Total Suspended Solids | | | | |
| Monitor Targeted Watershed Area (TWA) | This project will evaluate water quality improvement/preservation efforts made in the Pipe Creek Watershed by Fond Du Lac County LWCD and NRCS.[TWA HUC12- 040302030303] This is a Section 319 project | | 4/15/2018 | COMPLETE |
| Details: Parameter | Value/Amount Units | s Co | mments | |
| Report Writeup | | | | |
| Total Nitrogen | | | | |
| Total Phosphorus | | | | |

| Details: Parameter | Value/Amount | Units | Cor | nments | |
|------------------------|---|--|----------|-----------|-------------|
| Total Suspended Solids | | | | | |
| Water Quality Planning | This project will evaluate wate improvement/preservation eff Pipe Creek Watershed by For County LWCD and NRCS.[TV 040302030303] This is a Sec | orts made in the nd Du Lac VA HUC12- | 7/1/2017 | 6/30/2018 | IN_PROGRESS |

Monitoring Stations

| Station ID | Name | Comments |
|------------|--|----------|
| 10016803 | Pipe Creek - Pipe Creek - 30 Feet Above Hwy 151bridge | |
| 10042194 | Pipe Creek 40 meters Upstream of Confluence with Unnamed Cr WBIC 5025913 | |
| 10047732 | Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025580) | |
| 10047733 | Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025742) | |
| 10047730 | Unnamed Trib to Pipe Creek US County HH (WBIC 5025714) | |
| 10047728 | Unnamed Trib to Pipe Creek US County W (WBIC 3000189) | |
| 10047729 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 3000189) | |
| 10047731 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 5026041) | |

Assessment Units

| WBIC | Segment | Local Name | Official Name |
|---------|---------|--------------------------------|----------------|
| 131100 | 1 | Lake Winnebago | Lake Winnebago |
| 131500 | 1 | Mill Creek | Mill Creek |
| 131600 | 1 | Mud Creek | Mud Creek |
| 131620 | 1 | WETLAND TRIBUTARY TO MUD CREEK | Unnamed |
| 131700 | 1 | Roberts Creek | Roberts Creek |
| 131900 | 1 | Johnson Creek | Johnson Creek |
| 132100 | 1 | Brothertown Creek | Unnamed |
| 132800 | 1 | Pipe Creek | Pipe Creek |
| 132800 | 2 | Pipe Creek | Pipe Creek |
| 3000189 | 2 | Unnamed Stream | Unnamed |
| 5024409 | 1 | Unnamed Stream | Unnamed |
| 5024513 | 1 | Unnamed Stream | Unnamed |
| 5025587 | 1 | Unnamed Stream | Unnamed |
| 5025714 | 1 | Unnamed Stream | Unnamed |
| 5026041 | 1 | Unnamed Stream | Unnamed |
| 5560112 | 1 | Local Water | Unnamed |

Lab Account Codes

| Account Code | Description | Start Date | End Date |
|--------------|--------------------------------|------------|------------|
| WQ002 | TARGETED WATERSHED ASSESSMENTS | 3/26/2014 | 12/31/2099 |
| | | | |

Forms

| Form Code | Form Name |
|----------------------|---|
| AIS_STREAM_2014 | Aquatic Invasive Species Monitoring Data Form (Streams) |
| AIS_EDD_STR_2016 | Aquatic Invasive Species Monitoring Stream Data Form [2016] |
| WADEABLE_MACRO_FIELD | Wadeable Macroinvertebrate Field & Habitat Data |

Methods

| Method Code | Method Description |
|---|--|
| | |
| AIS_STREAMS_2015 | AIS Monitoring in Streams 2015 |
| DIATOM_STREAM_COLL | Diatom Collection for Diatom Nutrient Index (DNI) in Streams |
| ELECTROFISHING: BACKPACK SHOCKER | Electrofishing: Backpack Shocker |
| ELECTROFISHING: STREAM SHOCKER | Electrofishing: Stream Shocker |
| MACROINVERTEBRATE BASELINE PROTOCOLS | Macroinvertebrate Baseline D-frame Kick Net 2004 |
| NUTRIENT SAMPLING STREAMS 2015 | Nutrient Sampling SOPs (3.2) WQ Monitoring 2015 |

Fieldwork Events

| Start Date | Status | Field ID | Station ID | Station Name |
|----------------|----------|-------------------|------------|---|
| 5/3/2017 8:24 | COMPLETE | UTPC5-2017-MAY-1 | 10047731 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 5026041) |
| 5/3/2017 8:27 | COMPLETE | UTPC3-2017-MAY-1 | 10047729 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 3000189) |
| 5/3/2017 8:38 | COMPLETE | UTPCW-2017-MAY-1 | 10047728 | Unnamed Trib to Pipe Creek US County W (WBIC 3000189) |
| 5/3/2017 8:46 | COMPLETE | PC151-2017-MAY-1 | 10016803 | Pipe Creek - Pipe Creek - 30 Feet Above Hwy 151bridge |
| 5/3/2017 8:57 | COMPLETE | UTPCHH-2017-MAY-1 | 10047730 | Unnamed Trib to Pipe Creek US County HH (WBIC 5025714) |
| 5/3/2017 9:07 | COMPLETE | UTLWAB-2017-MAY-1 | 10047732 | Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025580) |
| 5/17/2017 8:09 | COMPLETE | UTPC5-2017-MAY-2 | 10047731 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 5026041) |
| 5/17/2017 8:12 | COMPLETE | UTPC3-2017-MAY-2 | 10047729 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 3000189) |
| 5/17/2017 8:20 | COMPLETE | UTPCW-2017-MAY-2 | 10047728 | Unnamed Trib to Pipe Creek US County W (WBIC 3000189) |
| 5/17/2017 8:28 | COMPLETE | PC151-2017-MAY-2 | 10016803 | Pipe Creek - Pipe Creek - 30 Feet Above Hwy 151bridge |
| 5/17/2017 8:36 | COMPLETE | UTPCHH-2017-MAY-2 | 10047730 | Unnamed Trib to Pipe Creek US County HH (WBIC 5025714) |
| 5/17/2017 8:47 | COMPLETE | UTLWAB-2017-MAY-2 | 10047732 | Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025580) |
| 6/14/2017 8:08 | COMPLETE | UTPC5-2017-JUNE-1 | 10047731 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 5026041) |

| 6/14/2017 8:10 | COMPLETE | UTPC3-2017-JUNE-1 | 10047729 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 3000189) |
|-----------------|----------|--------------------------|----------|---|
| 6/14/2017 8:17 | COMPLETE | UTPCW-2017-JUNE-1 | 10047728 | Unnamed Trib to Pipe Creek US County W (WBIC 3000189) |
| 6/14/2017 8:26 | COMPLETE | PC151-2017-JUNE-1 | 10016803 | Pipe Creek - Pipe Creek - 30 Feet Above Hwy 151bridge |
| 6/14/2017 8:34 | COMPLETE | UTPCHH-2017-JUNE-1 | 10047730 | Unnamed Trib to Pipe Creek US County HH (WBIC 5025714) |
| 6/14/2017 8:44 | COMPLETE | UTLWAB-2017-JUNE-1 | 10047732 | Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025580) |
| 6/15/2017 10:00 | COMPLETE | NA | 10016803 | Pipe Creek - Pipe Creek - 30 Feet Above Hwy 151bridge |
| 6/27/2017 | COMPLETE | | 10047733 | Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025742) |
| 6/28/2017 8:10 | COMPLETE | UTPC5-2017-JUNE-2 | 10047731 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 5026041) |
| 6/28/2017 8:12 | COMPLETE | UTPC3-2017-JUNE-2 | 10047729 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 3000189) |
| 6/28/2017 8:28 | COMPLETE | UTPCW-2017-JUNE-2 | 10047728 | Unnamed Trib to Pipe Creek US County W (WBIC 3000189) |
| 6/28/2017 8:35 | COMPLETE | PC151-2017-JUNE-2 | 10016803 | Pipe Creek - Pipe Creek - 30 Feet Above Hwy 151bridge |
| 6/28/2017 8:41 | COMPLETE | UTPCHH-2017-JUNE-2 | 10047730 | Unnamed Trib to Pipe Creek US County HH (WBIC 5025714) |
| 6/28/2017 8:52 | COMPLETE | UTLWAB-2017-JUNE-2 | 10047732 | Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025580) |
| 7/12/2017 8:04 | COMPLETE | UTPC5-2017-JULY | 10047731 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 5026041) |
| 7/12/2017 8:08 | COMPLETE | UTPC3-2017-JULY | 10047729 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 3000189) |
| 7/12/2017 8:17 | COMPLETE | UTPCW-2017-JULY | 10047728 | Unnamed Trib to Pipe Creek US County W (WBIC 3000189) |
| 7/12/2017 8:26 | COMPLETE | PC151-217-JULY | 10016803 | Pipe Creek - Pipe Creek - 30 Feet Above Hwy 151bridge |
| 7/12/2017 8:33 | COMPLETE | UTPCHH-2017-JULY | 10047730 | Unnamed Trib to Pipe Creek US County HH (WBIC 5025714) |
| 7/12/2017 8:45 | COMPLETE | UTLWAB-2017-JULY | 10047732 | Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025580) |
| 8/9/2017 8:07 | COMPLETE | UTPC5-2017 | 10047731 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 5026041) |
| 8/9/2017 8:09 | COMPLETE | UTPC3-2017 | 10047729 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 3000189) |
| 8/9/2017 8:17 | COMPLETE | UTPCW-2017 | 10047728 | Unnamed Trib to Pipe Creek US County W (WBIC 3000189) |
| 8/9/2017 8:23 | COMPLETE | PC151-2017 | 10016803 | Pipe Creek - Pipe Creek - 30 Feet Above Hwy 151bridge |
| 8/9/2017 8:33 | COMPLETE | UTPCHH-2017 | 10047730 | Unnamed Trib to Pipe Creek US County HH (WBIC 5025714) |
| 8/9/2017 8:44 | COMPLETE | UTLWAB-2017 | 10047732 | Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025580) |
| 9/7/2017 8:07 | COMPLETE | UTPC5-2017- SEPTEMBER | 10047731 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 5026041) |
| 9/7/2017 8:22 | COMPLETE | UTPCW-2017- SEPTEMBER | 10047728 | Unnamed Trib to Pipe Creek US County W (WBIC 3000189) |
| 9/7/2017 8:30 | COMPLETE | PC151-2017- SEPTEMBER | 10016803 | Pipe Creek - Pipe Creek - 30 Feet Above Hwy 151bridge |
| 9/7/2017 8:31 | COMPLETE | UTPC3-2017- SEPTEMBER | 10047729 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 3000189) |
| 9/7/2017 8:39 | COMPLETE | UTPCHH-2017- SEPTEMBE | 10047730 | Unnamed Trib to Pipe Creek US County HH (WBIC 5025714) |

| 9/7/2017 8:51 | COMPLETE | UTLWAB-2017- SEPTEMBE | 10047732 | Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025580) |
|----------------|----------|--------------------------|----------|---|
| 10/4/2017 8:06 | COMPLETE | UTPC5-2017-OCTOBER | 10047731 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 5026041) |
| 10/4/2017 8:08 | COMPLETE | UTPC3-2017-OCTOBER | 10047729 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 3000189) |
| 10/4/2017 8:17 | COMPLETE | UTPCW-2017- OCTOBER | 10047728 | Unnamed Trib to Pipe Creek US County W (WBIC 3000189) |
| 10/4/2017 8:23 | COMPLETE | PC151-2017-OCTOBER | 10016803 | Pipe Creek - Pipe Creek - 30 Feet Above Hwy 151bridge |
| 10/4/2017 8:30 | COMPLETE | UTPCHH-2017- OCTOBER | 10047730 | Unnamed Trib to Pipe Creek US County HH (WBIC 5025714) |
| 10/4/2017 8:40 | COMPLETE | UTLWAB-2017- OCTOBER | 10047732 | Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025580) |
| 10/25/2017 | COMPLETE | | 10042194 | Pipe Creek 40 meters Upstream of Confluence with Unnamed Cr WBIC 5025913 |
| 10/25/2017 | COMPLETE | | 10047730 | Unnamed Trib to Pipe Creek US County HH (WBIC 5025714) |
| 10/25/2017 | COMPLETE | | 10047728 | Unnamed Trib to Pipe Creek US County W (WBIC 3000189) |
| 10/25/2017 | COMPLETE | | 10047729 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 3000189) |
| 10/25/2017 | COMPLETE | | 10047731 | Unnamed Trib to Pipe Creek US Hwy 151 (WBIC 5026041) |
| 10/25/2017 | COMPLETE | | 10047732 | Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025580) |
| 10/25/2017 | COMPLETE | | 10016803 | Pipe Creek - Pipe Creek - 30 Feet Above Hwy 151bridge |
| 10/25/2017 | COMPLETE | | 10047733 | Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025742) |

Documents

| Title | Description | Author | Published | Comments |
|---|--|--------------|-----------|----------|
| 2017 Total Phosphorus Monitoring Report - Pipe Creek - Pipe Creek - 30 Feet Above Hwy 151bridge | This project will evaluate water quality improvement/preservation efforts made in the Pipe Creek Watershed by Fond Du Lac County LWCD and NRCS. | Ilana Haimes | 5/30/2018 | |
| 2017 Total Phosphorus Monitoring Report - Unnamed Trib to Lake Winnebago US Artesia Beach Rd (WBIC 5025580) | This project will evaluate water quality improvement/preservation efforts made in the Pipe Creek Watershed by Fond Du Lac County LWCD and NRCS. | Ilana Haimes | 5/30/2018 | |
| 2017 Total Phosphorus Monitoring Report - Unnamed Trib to Pipe Creek US County HH (WBIC 5025714) | This project will evaluate water quality improvement/preservation efforts made in the Pipe Creek Watershed by Fond Du Lac County LWCD and NRCS. | Ilana Haimes | 5/30/2018 | |
| 2017 Total Phosphorus Monitoring Report - Unnamed Trib to Pipe Creek US County W (WBIC 3000189) | This project will evaluate water quality improvement/preservation efforts made in the Pipe Creek Watershed by Fond Du Lac County LWCD and NRCS. | Ilana Haimes | 5/30/2018 | |

| | This project will evaluate water quality improvement/preservation efforts made in the Pipe Creek Watershed by Fond Du Lac County LWCD and NRCS. | Ilana Haimes | 5/30/2018 |
|--|--|----------------------|-----------|
| | This project will evaluate water quality improvement/preservation efforts made in the Pipe Creek Watershed by Fond Du Lac County LWCD and NRCS. | Ilana Haimes | 5/30/2018 |
| Fond Du Lac County LWCD Loading Project 2017 | Monitoring locations for Pipe Creek TWA 2017-2018 | Paul Tollard, FDL Co | 4/15/2018 |
| Fond Du Lac County NRCS and LWCD Pipe Creek BMP Project Map 2016 | | FDL County NRCS | |
| Pipe Creek at Hwy 151 Photo | Photo of Pipe Creek during typical summer time flow conditions | Bolha, Dave | |
| Runoff Event Video in Pipe Creek, Fond du Lac County, Wisconsin | Video of Pipe Creek following a significant rain event showing significant sediment runoff. | David Bolha | 6/15/2017 |
| Targeted Watershed Assessment Report for the Pipe Creek Watershed in Fond du Lac County, Wisconsin | Final TWA WQ-MR for TWA in Pipe Creek | Bolha, David | 12/1/2018 |
| Budget | | | |

| Budget Desc | cription: Pipe Creek FY17 Budget | | Start Dat | e: 3/1/2017 | End Date: 6/30/2017 |
|-------------|----------------------------------|----------------|-----------|-------------|--|
| Code | Description | Quantity Units | Unit Cost | Total Cost | Comments |
| FTE | FTE Hours | 140 Hours | \$0.00 | \$0.00 | |
| LTE SAL | LTE Salary | 80 Hours | \$14.25 | \$1,140.00 | |
| LTE FR | LTE Fringe | | | \$281.58 | |
| LTE IND | LTE Indirect | | | \$229.87 | |
| LTE TOT | LTE Total Cost | | | \$1,651.45 | |
| SUPPLY | Supplies | 1 | \$250.00 | \$250.00 | WIR Paper, Ice, Shipping Cost, Bottles |
| EQUIP | Equipment | 1 | \$200.00 | \$200.00 | Waders |
| MILEAGE | Mileage | 900 Miles | \$0.64 | \$576.00 | |
| MEAL | Meals | 11 Meals | \$10.00 | \$110.00 | |
| LODGE | Lodging | | | \$0.00 | |
| TRAVEL | Travel Total | | | \$686.00 | |
| BUG | Bug Contracts | | | \$0.00 | |
| OTHER | Other Contracts | | | \$0.00 | |
| USGS | USGS Costs | | | \$0.00 | |
| TOTAL | Total Cost (excludes SLOH) | | | \$2,787.45 | |

| Total WSLH Lab Costs: | \$0.00 |
|-----------------------|------------|
| Total Budget: | \$2,787.45 |

| Budget Desc | ription: Pipe Creek TWA FY18 Bu | udget | Start Dat | e: 7/1/2017 | End Date: 6/30/2018 |
|-------------|---------------------------------|----------------|-----------|--------------------|-----------------------------|
| Code | Description | Quantity Units | Unit Cost | Total Cost | Comments |
| FTE | FTE Hours | 110 Hours | \$0.00 | \$0.00 | |
| LTE SAL | LTE Salary | 120 Hours | \$14.25 | \$1,710.00 | |
| LTE FR | LTE Fringe | | | \$422.37 | |
| LTE IND | LTE Indirect | | | \$344.80 | |
| LTE TOT | LTE Total Cost | | | \$2,477.17 | |
| SUPPLY | Supplies | 1 | \$250.00 | \$250.00 | Ice, Shipping Cost, Alcohol |
| EQUIP | Equipment | | | \$0.00 | |
| MILEAGE | Mileage | 1000 Miles | \$0.64 | \$640.00 | |
| MEAL | Meals | 20 Meals | \$10.00 | \$200.00 | |
| LODGE | Lodging | | | \$0.00 | |
| TRAVEL | Travel Total | | | \$840.00 | |
| BUG | Bug Contracts | 8 | \$65.00 | \$520.00 | |
| OTHER | Other Contracts | | | \$0.00 | |
| USGS | USGS Costs | | | \$0.00 | |
| TOTAL | Total Cost (excludes SLOH) | | | \$4,087.17 | |

| Total WSLH Lab Costs: | \$0.00 | | | |
|-----------------------|------------|--|--|--|
| Total Budget: | \$4,087.17 | | | |
| Combined Budgets: | \$6,874.62 | | | |
| Combined WSLH: | \$0.00 | | | |
| Combined Total: | \$6,874.62 | | | |

| Funding | | | | | |
|--------------|--------|------|--------|------------|----------|
| Organization | Source | Туре | Amount | Start Date | End Date |