



Lower Boise Watershed Council

CO –Sponsors



2208 E. Chicago, Suite A, Caldwell, ID 83605

DRAFT Agenda 319 TAC Meeting

TUESDAY, June 6, 2017

8:00 am

USDA Service Center Building
Conference Room

- A. Opening of meeting (Mike Swartz)
- B. Review May 9, 2017 minutes—emailed on May 18, 2017.
- C. Old Business
 - 1. Summer Tour Discussion--per request from Dan
 - a. DRAFT agenda/invitation date & time--see attachment
 - b. 319 project tour stops
 - c. Emailed summer tour mail list to Dan (5/15/17)
 - Dan—TMDL Implementation & Trading Framework Plan
 - a. Water Quality Time Framework
 - 2. TMDL Implementation Plan--Delwyne Trefz, ISWCC
 - 3. Clean Water Partner, LLC--Hal
 - 4. RCPP Update
 - a. per Dan request--5/10/17 emailed brief summary of RCPP project from CSCD newsletter article
- D. Open items for discussion
 - 1. Agency reports
 - a. NRCS—Amie Miller, D.C.
Set time and date for next meeting

1 Please note the agenda is subject to change. Thank you!

DRAFT
7th Annual
Canyon SCD/319 Project Tour Of
Best Management Practices

Date: _____ - _____, 2017
Time: _____ AM to _____ PM

Meet at the Canyon Soil Conservation District Office at _____ AM
2208 E. Chicago Blvd. Ste. A Caldwell, ID
Please use the back parking lot and door.

Agenda

Leave office to be determined

- _____ – Surface Irrigation to Sprinkler Pivot Project on 70 acres-
- _____ – Surface Irrigation to permanent drip system on 106 acres-
- _____ – Surface Irrigation to a permanent drip system on 81.3 acres
- _____ - Lunch place & time to be determined

Please RSVP by _____ to:
Lori.Kent@id.nacdnet.net or 208-454-8684 EXT. 126

Or

Please note: Tour stops schedule time is subject to change.

Sponsored By:



Canyon Soil Conservation District & Lower Boise Watershed Council



Emailed 5/18/17



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DRAFT 319 TAC Meeting Minutes
Tuesday, May 9, 2017 - 8:00 AM
USDA Service Center, Conference Room

Sign in sheet for the 319 TAC meeting completed— Mike Swartz-CSCD, Lori Kent-CSCD, Amie Miller-NRCS, Mindi Rambo-NRCS, Delwyne Trefz-ISWCC, Hal Anderson-CWP, Lance Holloway-DEQ, Graham Freeman-DEQ, Mike Cook-DEQ S.O., Dan Steenson--LBWC Darcy Sharp--City of Boise, Darin Taylor--Mayor of Middleton, Michael Martin--Civil Dynamics, Andy Waldera--Sawtooth Law, Nate Runyan--City of Nampa, Jack Harrison--Hyqual, & Kate Harris--City of Boise.

A. Opening of meeting (Mike Swartz)—8:07 AM and Introductions.

B. Reviewed minutes from the April 4, 2017 meeting. Emailed 4/12/17

1. Darcy Sharp, City of Boise PPT

- Demonstration of STEPL (Spreadsheet Tool for Estimating Pollutants Loads) Work.
- This tool can do a number of different things--a few examples are-
 - Best Management Practices (BMP's) Effectiveness
 - Soil Type of runoff and filtration
 - Urban Land Use
 - Agriculture Use
 - Large effect irrigation

STEPL is potential tool to be used in the TMDL Implementation Plan. Land cover data and linking land/water data STEPL will calculate.

Kate Harris with City of Boise asked "How are you quantifying the reduction"?

Darcy said STEPL calculates the dissolved phosphorus they measured 70% dissolved phosphorus at Parma in the Boise River.

Graham said it will measure the average values for watershed.

Darcy explained the use of the tool. The STEPL excel spreadsheet can calculate acreage, starting point of field, land use, BMP, & load reduction.

Question is can or does NRCS use STEPL? Amie and Mindi will take this item to the NRCS State Office (S. O.). S.O. will find out what national office say. Amie and Mindi will coordinate with Technical Staff of S.O. to set up meeting with Darcy to go over STEPL.

Lance asked about the Nitrate Tracking Tool out of National. Is NRCS using it?

Amie will check into it.

2. Jack Harrison--Hyqual and Darin Taylor, Mayor of Middleton

A. City of Middleton Mill Slough water quality improvement project with slide show.

- 1st slide-Middleton City and Drainage District (co-applicants). HyQual (Hydraulics Hydrology Water Quality), Civil Dynamics, SPF Water Engineering, City of Middleton/Canyon County Idaho & LBWC 319 TAC. Automatic Gate (example- Riverside/IPC & Centennial Park)
- 2nd slide-Water from Mills Slough include; Lawrence-Kennedy Canal, Mills Slough, South Middleton Drain, & Canyon County Canal spill. Mill Slough

- Discharge 20115. Scale of phosphorus loads (TMDL TP Loads 2013)
- 3rd slide-Middleton 2015 - 2016 Water Quality Sampling locations.
- 4th slide-Proposed Mill Slough 319 Water Quality Improvement Project
- 5th slide-Preliminary 319 Project cost and funding
- 6th slide-overview and questions

200 acres for a Waste Water Treatment Plant for the City of Middleton -- 319 funds includes: develop plans, specs & permit, purchase automated gate (later date addition 35 acres --reuse application), earthwork/site prep, concrete work, install gate, conservation oversight, testing, monitoring and manage, announce, monitor. Clean/move sediment onto the field. Water right/walking paths to facilitate planning treatment. They are in the process of the MOU.

319 TAC group agrees with the Mill Slough Proposal 319 Project. It will go to the LBWC meeting.

3. Graham Freeman, DEQ-- Lower Boise River Agriculture total Phosphorus Implementation Plan Timeline Calculations. see handout.

A. Initial Steps

- Total # of surface irrigated acres: 109,455
- Calculate average annual loss of agriculture land to land conversion-1,499 acres/yr. (25,487 acres/17 years). About 1.37% of watershed is being lost to land use conversions

B. High Priority (4b) Tributary Calculations--Indian Creek, Dixie Drain, Five Mile and Ten Mile surface irrigated acres

Scenario 1-All \$2 million of funding is distributed proportionally among high priority subwatersheds based on the number of surface irrigated acres.

**Indian Creek subwatershed, 12,272 surface irrigated acres, 29.9% of total surface irrigated acres and \$600,000 is the portion of \$2 million budget

**Mason Creek subwatershed, 17,819 surface irrigated acres, 43.6 % of total surface irrigated acres and \$871,000 is the portion of \$2 million budget

**Five/Ten/Fifteenmile Creek, 10,829 surface irrigated acres, 26.5% of total surface irrigated acres and \$529,000 is the portion of \$2 million budget

**Totals 40,919 surface irrigated acres, 100% of total surface irrigated acres and \$2,000,000 is the budget.

Scenario 2-the four high priority subwatersheds receive 50% of the available \$ 2 million. \$1 million is distributed proportionally to each subwatershed relative to the number of total surface irrigated acres.

Scenario 3-the number of treatable acres is doubled (i.e.: the cost per acre to treat with pressure irrigate is \$1000 instead of \$2000.

Load reduction scenarios: High Priority Subwatershed years to treat and years to treat remaining tributary load.

Scenario 1- all \$ 2 million allocated--

**18 years to treat Indian Creek, 21 years to treat Mason Creek, 21 years to treat Fifteenmile Creek and 14 year to treat remaining tributary load.

**Scenario 2- reducing allocated budget by 50%

**26 years to treat Indian Creek, 31 years to treat Mason Creek, 30 years to treat Fifteenmile Creek and 18 years to treat remaining tributary load.

Scenario 3-

**11 years to treat Indian Creek, 13 years to treat Mason Creek, 13 years to treat Fifteenmile Creek and 10 years to treat remaining tributary load.

Subwatershed/tributary by pounds and year--

**Indian Creek current load is 30,014, load allocation 10,407, required TP reduction 19,607 and load/acre of surface irrigated land 2.45.

**Mason Creek current load is 68,683, load allocation 14,725, required TP reduction 53,958 and load/acre of surface irrigated land is 3.86

**Fifteenmile Creek current load is 38,460, load allocation 8,910, required TP reduction and load/acre of surface irrigated land is 3.55.

- C. Whole LBR Watershed scale graphs
- D. Indian Creek Timeline for TP reduction graphs
- E. Mason Creek Timeline for TP reduction graphs
- F. Fifteen Mile Creek timeline for TP reduction graphs

4. Sumer Tour Discussion--Dan. Lori will get the email and mail list to Dan for invitations (emailed to Dan 5/15/17). Dan wants to invite legislators so they will be able to see the 319 projects. Lori will draft invitation and a discussion will be held on "what projects to tour" June 6 @ 8 AM 319 TAC Old Business.

C. Old Business

1. Discussion TMDL Implementation Plan and Trading Framework--Dan--done above
Dan and Amie will make sure the 4b tributaries are added on the priory list. Amie informed the group this will need to be discussed and voted on at Local Working Group discussion at fall IASCD Division III meeting.
2. TMDL Implementation Plan--Delwyne Trefz--see DRAFT--send a copy to CSCD board -- per Mike Swartz-done 5/9/17.
3. Clean Water Partner, LLC--Hal
 - **They received their application for E. Hartley Gulch # 2--protest and resolve is allowed so the process will be slowed.
 - **the North Alkali Wetland/Sediment Basin was cleaned out the total amount of the sediment removed was 250 yards (4 lbs. per ton). There is three years of data with two more- total of 5 years (with landowner).
4. RCPP update--
 - **Amie and Brian will attend the Wednesday 5/10 Farmers Co-Op meeting at 1:00 PM
 - **the core samples taken at the site are in Nebraska to be analyzed.

D. Open items for discussion

1. Agency reports--NRCS Amie
 - **the sign up funding cycle closed on May 5th. The next funding timeline will be August 2017
 - **EQIP--there are 10 applications
 - **NWQI--there are 3 applications
 - **the group discussed the News Release regarding the Emergency Watershed Program (EWP)
2. Dan--tour and meeting with Dr. Greg Moller May 10 & 11, 2017
3. Lance will send the link regarding Mike Cook's, DEQ presentation, May 17th & 18th 2017 Water Reuse Conference.

**NEXT MEETING WILL BE TUESDAY, June 6, 2017 at 8:00 AM in the
USDA, Service Center -- Conference Room**

Adjourned 10:20 am