APPENDIX 2D

Comments and Response to Comments for
Outreach Events and Community Involvement

COMMENT RESPONSE FORM

Client:	City of Chico
Project:	Chico SWRP
Submittal:	Project Description Review Period, Ending 3/30/2018
Prepared By:	Natalie Muradian and Doug Moore
Date:	3/30/2018

ID	REVIEWER	Project	COMMENT	RESPONSE	ACTION
1	Robin McCollum	M (BCC 21st Mgt)	45- The 5 Mile Diversion consists of 2 dams and an overflow weir. The gates on the dams are to be fully open from October 15 until April 15 in accordance with the Operation and Maintenance Manual. The dam on Big Chico Creek has 4 slide gates that pass a maximum of 1,500 cfs. The dam on Lindo Channel (Sandy Gulch) has 7 gates and culverts that pass ,6500 cfs. The Ogee Weir passes 8,500 cfs to accommodate the balance of 16,000 cfs design flow. In the January 1997 flood event the 5 Mile headworks passed in excess of 20,000 cfs according to the DWR Northern District. Water was observed only 6 inches below the levee top at the Big Chico dam. Any operation of the gates not in accordance with the Manual would be unwise. The dams are usually jammed with logs that should be cleared expeditiously as flows can increase rapidly due to the flashy characteristics of the watershed when impacted by Atmospheric Rivers. Trash racks designed to intercept logs and not impede flow, that can be cleaned quickly between storms, should be built upstream of the dams. Also some arrangement should be made, such as a seasonal lease, so that a large excavator with a wrist and grapple (like a logging Skidder) can be stationed in advance to clear the gates during high water. Additionally, it has been observed that the riparian forest and brush in the stilling basin has intercepted many logs while ameliorating erosive flows near the levee. In the mid 1980's Butte County Public Works undertook major sediment removal in the stilling basin upstream of the Lindo Channel dam. Gravel was removed daylighting the concrete sill at the head of Lindo Channel and establishing a continuous grade to the invert of the Lindo dam barrels. This material was stockpiled with the intent to place it in the gravel starved streams below the dams. In the 1/1/97 flood a shoal formed mid-channel above the sill and continuing downstream for 150 yds reaching an elevation nearly level with the adjacent levee. An NRCS grant funded partial removal of the shoal to near its current elevation. The sill was not exposed. Removal of this sediment build-up would be a cost effective way to move toward the mandated 200 year flood protection. The levee between Big Chico and Lindo is the most critical flood control infrastructure for Chico. Vegetation that ameliorates erosive flows and protects the aforementioned levee should continue to be maintained.	The plan is recommending evaluation and modeling of the system (gates, dams, weirs) and working with USACE and DWR to determine if the flows have changed from the original flows and/or to determine what's not working currently, and if a new set of operations and maintenance directions may be beneficial. This information will be added to the Project Description in the SWRP for reference.	Include Information in the Project Description

COMMENT RESPONSE FORM

Client:	City of Chico
Project:	Chico SWRP
Submittal:	Project Description Review Period, Ending 3/30/2018
Prepared By:	Natalie Muradian and Doug Moore
Date:	3/30/2018

ID	REVIEWER	Project	COMMENT	RESPONSE	ACTION
2	Robin McCollum	M (BCC 21st Mgt)	Sycamore Diversion Channel to Cohasset Road Bridge. From the time it was built Sycamore Diversion Channel (SDC) initial flows eroded all loose material, carried it downstream and deposited it at the Cohasset Road bridge and in channel just downstream. That deposit compromised channel capacity so badly that the adjacent left bank levee experienced one of 2 greatest freeboard incursions in the entire system during the 1997 flood. DWR was/is responsible to maintain flow in the channel and so undertook clearing the sediment. Because of perennial drainage from nearby development a substantial wetland habitat had grown. Big Chico Creek Watershed Alliance and myself negotiated with DWR to restore the channel to as built configuration with design features that move sediment through during low flows. The habitat was restored for its benefits as well as to prevent scour during high flows. The source of the sediment is up Sycamore Creek where the Sycamore Diversion Channel (10,000 cfs) blasts perpendicularly into South Sycamore Creek (500 cfs). It's a flaw in US Army Corps Engineers design, that they've denied, but DWR is left to design a grade control structure that they've promised to build. If it is not done soon the work below Cohasset Rd bridge will be buried as large flows over the Ogee Weir tear through the sandstone and deliver sand below Cohasset Rd bridge. Non erodible material should be put in the channel, by some design, to stop the head-cut originating at the confluence of the Diversion Channel and South Sycamore Creek.	This information will be added to the Project Description in the SWRP for reference.	Include Information in the Project Description
3	Les Heringer	Project N and Project O	Project descriptions are fine as is. Will there be financial assistance available to upgrade the flow gage west of Crouch Ave on Comanche Creek to measure flood flows as part of the study?	The point of the SWRP is to make projects eligible to compete for grant funding from the State. If the study is successful at obtaining a grant, then the flow gage would be included.	No action required
4	BEC/ Stream Team	All projects	It is our understanding that the SWRP project descriptions are intended to provide a summary description of the seventeen (17) SWRP projects, including enough detail to capture the management elements described in the projects listed in the final screened initial project list. With regards to the project descriptions it is important for the project descriptions to capture the full intent, and identify all implementation projects and strategies identified in each initial project included in the final project description. Please consider expanding the section "Initial Projects Included" for each project description to include a brief summary, and identify implementation projects for each initial project included (i.e. river friendly handbook, pesticide and landscape overwatering campaigns, trash surveys, citizen monitoring, etc.). This would ensure that the details of each submission are more available for review, prioritization and decision making.	The SWRP Project Descriptions are intended to capture the intent of the initial projects that were submitted, and are not necessarily a summary of every element of the included Initial Projects. The full Initial Project Descriptions will be documented and included in the SWRP for reference.	Include full Initial Project Description in the SWRP

COMMENT RESPONSE FORM

Client:	City of Chico
Project:	Chico SWRP
Submittal:	Project Description Review Period, Ending 3/30/2018
Prepared By:	Natalie Muradian and Doug Moore
Date:	3/30/2018

ID	REVIEWER	Project	COMMENT	RESPONSE	ACTION
5	BEC/ Stream Team	All projects	Please consider creating more uniform descriptions, headings and sections across all project descriptions, as well as ensuring that the full intent of the initial projects are captured to allow for effective comparison and evaluation.	The descriptions, headings, and sections were developed from a single template, but were customized for each project. The SWRP Project Descriptions are intended to capture the intent of the initial projects that were submitted, and are not necessarily a summary of every element of the included Initial Projects. The full Initial Project Descriptions will be documented and included in the SWRP for reference.	Include full Initial Project Description in the SWRP
6	BEC/ Stream Team	All projects	Please consider revising the “education and outreach” section in each project description to include the development of an education and outreach plan (and budget) to utilize existing local storm water and watershed efforts to implement the SWRP project outreach. This will ensure that every effort is made to keep the community engaged in the City’s efforts to improve local water quality. It will also meet the intent of the initial project submissions and ensure that the required public involvement and implementation components of the SWRP are met.	The education and outreach sections that are included for most of the planning projects will evaluate improvements to existing education and outreach programs. We will revise the current descriptions to also include the preparation of an education and outreach plan that will utilize existing local storm water organizations (such as BEC and Stream Team), which will include establishing an education and outreach budget. The plan and budget will be based on the community's needs at the time the SWRP project is implemented.	Revise project descriptions
7	BEC/ Stream Team	All projects	Please consider revising the “water quality” sections to clearly identify the intent to utilize existing watershed protection groups, such as Butte Environmental Council, The Stream Team, and others to provide education and outreach on water quality and utilize existing citizen monitoring efforts to evaluate the efficacy of the projects for improving water quality. The current description does not capture the elements submitted in initial projects to integrate existing water quality efforts (as is required by the SWRP). The current project descriptions emphasize evaluation rather than utilization.	Water Quality will be included in education and outreach sections. The water quality section already includes the use of citizen monitoring to evalute efficacy of projects for improving water quality, but we will double-check applicable project descrtipions and add it in if not. The full Initial Project Descriptions will be documented and included in the SWRP for reference when the projects are implemented.	Revise project descriptions
8	BEC/ Stream Team	All projects	Please consider revising the “watershed and locations” section to specifically include locations as described in the initial projects (i.e. Dorothy Johnson Center, Lindo Channel by Chico Nut, etc.).	The full Initial Project Descriptions will be documented and included in the SWRP for reference.	Include full Initial Project Descriptions in the SWRP
9	BEC/ Stream Team	All projects	As you prepare to rank, prioritize and select projects for design please consider that the current storm water values were established using a system that involved rating, rather than ranking community storm water values. Had participants ranked, rather than rated the values each participant would have had to weight and truly prioritize storm water values. The data resulting from the values survey that was conducted does not effectively identify the community’s priorities as many values were assigned equal ratings by survey participants. The decision to develop these projects further should be made based on measurable outcomes rather than these value ratings.	This issue was addressed in the SWRP Weighting Values letter published 9/7/2017, including "Concerns were expressed that scoring [versus ranking] does not force participants to prioritize their values, potentially reducing the statistical significance of the survey. For example, scoring would allow someone to give every category the highest (or lowest) score possible. The scoring method was selected to allow participants to convey their preferences accurately, rather than forcing participants to select artificial priorities to meet the survey requirements. For example, if a participant valued stormwater quality and flood control as both very important, scoring would allow both categories to be scored equally. In addition, ranking does not allow the participant to communicate how much they value one category over another. Therefore, the decision was made to use the scoring method."	No action required

COMMENT RESPONSE FORM

Client:	City of Chico
Project:	Chico SWRP
Submittal:	Project Description Review Period, Ending 3/30/2018
Prepared By:	Natalie Muradian and Doug Moore
Date:	3/30/2018

ID	REVIEWER	Project	COMMENT	RESPONSE	ACTION
10	BEC/ Stream Team	All projects	Please consider identifying implementation projects submitted in initial projects that were included in the "Big Chico Creek 21st Century Management Plan", "Trash Reduction Master Plan and Specific Implementation Projects", "Updating the City's Storm Water Planning and Policies and Implementation Projects", and others for 30% design (i.e. river friendly handbook, green streets project, LID demonstration projects for education and training, pesticide and landscape overwatering campaigns, trash surveys, cleanups and education campaigns, etc.).	Generic projects, such as Green Streets and LID demonstration projects, while great project ideas, require advance planning and therefore are considered planning projects. Project descriptions already include outreach and education programs for pesticides and overwatering. Trash surveys may or may not be needed for compliance with the Trash Amendments, but will be implemented if needed. Trash cleanups and education campaigns are already included as part of part of Project P (which includes Project F - Storm Water Public Outreach, Education, and Involvement Program).	No action required
11	BEC/ Stream Team	All projects	A number of implementation projects have been included in plans, while others have been identified as standalone projects. Clearly identifying all implementation projects within each plan would allow for these projects to be considered for standalone projects or combined with complimentary projects maximizing potential outcomes. This would also allow for TAC review and consideration of all implementation projects initially submitted when selecting projects for 30% design.	The full Initial Project Descriptions will be documented and included in the SWRP. The TAC can select individual elements of SWRP projects for the 30% design phase of the SWRP.	No action required
12	BEC/ Stream Team	All projects	When selecting projects for 30% design please consider prioritizing implementation projects that include public involvement, build on partnerships with existing watershed groups and on previous storm water efforts that have been established in the community. This will facilitate maximized outcomes from the SWRP.	This comment will be provided to the TAC.	Provide comment to TAC
13	Robin McCollum	Project 33	The term "holistic" gives me pause because it suggests that some are still considering putting Keefer Slough flows into Mud Creek. The USACE Flood Control Study (2000) considered this plan and rejected it because Mud Creek and the Chico Mud and Sycamore system is at or above capacity now. The gravel pit near Dusty Lane is not available for detention as it fills with hyporheic flows when Mud Creek is full. I can attest to these facts having observed them during my flood fight efforts in the January 1997 flood event.	This information can be included in the project description, so the information is available when the SWRP Project is implemented.	Revise project description
14	Robin McCollum	Project 33	Regarding Rock Creek and Keefer Slough there are several problems. 1. At Hagenridge Rd., north of Keefer Rd., Keefer Slough originates from Rock Creek. Since the 1997 flood event the dominant flow has moved into Keefer Slough where there is insufficient capacity causing frequent flooding along its banks east and west of Hwy 99. If Hagenridge Rd. was raised as an earthen dam with large culverts the flow split between Keefer Slough and Rock Creek could apportioned appropriately for the respective channels.	This information will be included in the project description, so the information is available when the SWRP Project is implemented.	Revise project description

COMMENT RESPONSE FORM

Client:	City of Chico
Project:	Chico SWRP
Submittal:	Project Description Review Period, Ending 3/30/2018
Prepared By:	Natalie Muradian and Doug Moore
Date:	3/30/2018

ID	REVIEWER	Project	COMMENT	RESPONSE	ACTION
15	Robin McCollum	Project 33	Regarding Rock Creek and Keefer Slough there are several problems. 2. Rock Creek cannot contain additional flows from Keefer because the levees downstream in Nord are at capacity with 5,000 cfs according to the USACE 2000 study. Further, the study showed that Sand Creek, which joins Rock Creek just above Hwy 99, adds another 5,000 cfs at its peak. It is only coincidence that the levees west of Hwy 99 have not received 10,000 cfs, double their capacity, in recent events. There is a current proposal from Rock Creek Reclamation District to detain flows on Sand Creek to help with this problem.	This information will be included in the project description, so the information is available when the SWRP Project is implemented.	Revise project description
16	Robin McCollum	Project 33	Regarding Rock Creek and Keefer Slough there are several problems. 3. Keefer Slough presently carries excess flows from Rock Creek, but there is minor flooding east of Hwy 99 and currently substantial overland flooding through the orchards near Nord. Keefer Slough needs channel improvements including widening, minor levees, increased flood plain access and off stream detention east of Hwy 99.	We will revise the project description to include evaluations of needed channel improvements including widening, minor levees, increased flood plain access and off stream detention east of Hwy 99. This information will be included in the project description, so the information is available when the SWRP Project is implemented.	Revise project description
17	Robin McCollum	Project 33	Regarding Rock Creek and Keefer Slough there are several problems. 4. West of Hwy 99 the orchards can handle, even benefit from, some short term inundation. Improved and coordinated small scale multiple channels could be built that would minimize inundation periods and prevent excessive depths at critical locations. One such channel, just east of Nord, is partially constructed running south from the confluence of Rock Creek and Keefer Slough. It is a one sided levee intended to carry 2,500 cfs if the Keefer Slough levee were to fail at the confluence or east there of. These flows pond against the Union Pacific Railroad and then pass through to meet the backwater of the Sacramento River.	We will revise the project description to include evaluations of using ag lands as detention areas, and channels to minimize flooding. This information will be included in the project description, so the information is available when the SWRP Project is implemented.	Revise project description
18	Robin McCollum	Project 33	Regarding Rock Creek and Keefer Slough there are several problems. 5. Rock Creek left bank levee east of Hwy 99 to Garner Ln. needs to be raised slightly and uniformly constructed to some reasonable standard. West of Hwy 99 the levees reach capacity more often than every 5 years (5-year event). These should be set back, one side or the other, an additional 50 ft. westward to the Union Pacific tracks.	We will revise the project description to include evaluations of modifying the levee system at Rock Creek to Garner Lane. This information will be included in the project description, so the information is available when the SWRP Project is implemented.	Revise project description
19	Steve Breedlove	Project 85	Our design has been revised after we finally had the opportunity to conduct a more thorough site evaluation with designers more experienced with earthworks and managing water. To emphasize, we are NOT moving water but freeing it to enter the land where it can infiltrate. There is considerable natural topographical variation and we intend to utilize existing basins (as evidenced through observation and as indicated by the distribution of Plantago and Rumex species). These existing variations will reduce total equipment time, and will make an attractive series of basins.	We will revise the project description to include use of the existing topography in the project description.	Revise project description
20	Steve Breedlove	Project 85	We would make several (five tentatively, depending on utility pole setbacks) curb cuts in the low spots in the gutter where water slows and pools and these cuts will only remove the riser and not the curb footing and can be accomplished using a rotary hammer and concrete saw. To maintain ADA accessibility, our inlets and outlets will be wide enough to provide a gentle slope and our paths will simply cross this channel.	We will revise the project description to include five curb cuts.	Revise project description

COMMENT RESPONSE FORM

Client:	City of Chico
Project:	Chico SWRP
Submittal:	Project Description Review Period, Ending 3/30/2018
Prepared By:	Natalie Muradian and Doug Moore
Date:	3/30/2018

ID	REVIEWER	Project	COMMENT	RESPONSE	ACTION
21	Steve Breedlove	Project 85	These curb cuts would then open to a level sill for further slowing water and allowing solid waste to settle out before continuing into the basins at a slope no greater than 1%. Based on the high point in the collection area (the intersection of Mulberry and 12th) and our gentle slope (essential for infiltration and erosion prevention), we will not need to excavate more than six inches below the lowest curb sill. With the area available for infiltration and the soils as indicated in the UC Davis Soil Web, we do not expect water to leave the site, nor fail to infiltrate in 48 hours preventing mosquito issues. However, our series of basins slowing, spreading and sinking water will connect to a curb cut outlet just above the storm drain on the Southwest edge of the site to compensate for extreme events.	We will revise the project description to include this comment in the project description.	Revise project description
22	Steve Breedlove	Project 85	Implementing the project will be somewhat straight forward. The entire site design intends to minimize labor and equipment use taking advantage of existing slopes and topographical variation. We ask the City waive the cost of lane closure and curb cutting permits and consider making equipment available. We estimate we will need one day or less to survey and prepare the site. We will need one day with one lane closed on both Pine and Cypress (we would do this work on a weekend to minimize disruption to the arterial road) to make the cuts and run a backhoe and bobcat. After cutting the channels and modifying the existing basins to add capacity, volunteers with hand tools would do sculpting work. The third day would be planting and mulching. We estimate our total equipment time will be less than 18 hours. Excess soil will be used to shape the trail and create a level area in the shade of the pine trees on the western edge which can be used in the future to make a picnic area, and we intend to include space in the rain garden landscape design to facilitate later installation of public art.	We will revise the project description to include this comment in the project description.	Revise project description

WEST YOST ASSOCIATES
Consulting Engineers

January 9, 2018

Project No.: 755-10-17-01.007
SENT VIA: EMAIL

Chico SWRP Technical Advisory Committee
City of Chico
411 Main Street
Chico CA, 95928

SUBJECT: City of Chico Storm Water Resource Plan — Response to Comments Received During Initial Project Screening Review Period 11/10/2017- 12/13/2017. Revised January 8, 2018.

Dear Technical Advisory Committee (TAC):

The attached table presents the response to comments (RTC) on the Initial Project Screening received during the review period of November 10, 2017 to December 13, 2017. The attached RTC table presents comments as submitted in the column titled "Comment" and recommendations for TAC action in the column titled "Staff Recommendations." The column titled "TAC Action" was filled in following TAC Meeting 4 on January 4, 2018. All responses in the attached RTC table were adopted by the TAC at TAC Meeting 4.

Several issues appeared in the comments multiple times, so a more detailed discussion on these topics is provided below.

STATUS OF SWRP DEVELOPMENT

There are six steps to the SWRP development, as identified below:

1. Prioritize the State-Identified Benefits. Benefits were prioritized by surveying the TAC and community. These prioritized benefits (water supply, water quality, flood management, environment, and community) define the goals and objectives for the SWRP. For example, the highest rated benefit was water quality. This benefit is essentially the same as a goal or objective of "improving water quality." Projects that improve water quality will therefore help achieve this goal. In addition, having goals that support the State's benefits (goals) is beneficial for meeting future funding requirements.
2. Identify Initial Projects by identifying proposed projects in existing plans and requesting projects from the public, stakeholders, and TAC.
3. Group, consolidate, and screen Initial Projects using a qualitative process to identify 16 SWRP projects that will be evaluated further.
4. Evaluate the 16 SWRP Projects to estimate the benefits of each project.
5. Prioritize the 16 SWRP Projects based on their benefits and the prioritization of the State-Identified Benefits.
6. Select three projects for 30% design.

With the TAC adoption of the Initial Project Screening, Step 3 in the SWRP development process is complete. The screening process was finalized based on the TAC recommendations during TAC Meeting 4. The next steps in the SWRP development, Steps 4 and 5, include developing more detailed project descriptions of the 16 SWRP Projects and the evaluation and prioritization of the 16 SWRP projects. The results of the evaluation and prioritization should address many of the questions contained in the attached RTC table.

DEFINITIONS

Several terms used throughout the RTC log in the "Staff Recommendation" columns are defined below. The terms used in the "Comment" column do not always follow these definitions.

- "Implementation Project" - refers to a project that can move quickly into design and construction, and is potentially eligible for Proposition 1 funding in Summer 2018.
- "Initial Project" - A project that was submitted during Step 2 (above).
- "Planning Project" or "Plans" – refers to a project that will take a significant amount of planning or studies to progress to design and construction, or program implementation. Plans are not eligible for Proposition 1 funding in Summer 2018.
- "Program" – refers to an on-going activity, but will not lead to design and construction of a storm water facility. Programs include projects that are education and outreach events, monitoring, creek clean-ups, etc.
- "Project" – a generic term used to refer to a project included in the SWRP.
- "SWRP Project" – A project that was identified in Step 3 (above) to be evaluated further in Step 4 (above).

PROJECT GROUPINGS

A total of 85 Initial Projects were submitted by the TAC, public, and stakeholders. However, the scope of the Contract between the City and the Consultant limits the evaluation to 16 SWRP Projects. The 85 projects are currently grouped and consolidated into 17 projects, which will be evaluated further, exceeding the scope of work.

There were several concerns with how projects were grouped. Initial Projects were grouped so that as many Initial Projects as possible would move forward in the SWRP development and as few Initial Projects as possible would be excluded from further evaluation. The Initial Projects that would require a significant amount of planning prior to design or construction were consolidated into Planning Projects based on the project location, purpose, or intent.

Another concern was with the selection of projects that are eligible for the 30% design in a future phase of the SWRP development. Only three projects were identified as stand-alone Implementation Projects. As Implementation Projects are the only types of projects eligible for moving forward to the 30% design, there were concerns that the TAC had already decided which projects it wanted to select for the 30% design. Although only three projects have been identified as standalone Implementation Projects, the TAC can pull Implementation Projects out of the larger project categories as applicable. There has been no TAC or other decisions on what three projects will move forward into the 30% design.

GOALS FOR TAC MEETING 4

There were two goals for TAC Meeting 4. The first goal was for the TAC to select either:

- Option 1 - Adopt the Initial Project Screening described in Response to Comments on Initial Project Screening, dated November 9, 2017.
- Option 2 -Adopt the Initial Project Screening described in Response to Comments on Initial Project Screening, dated November 9, 2017, but with the minor modifications identified in the RTC table.
- Option 3 - Adopt the Initial Project Screening described in Response to Comments on Initial Project Screening, dated November 9, 2017, but with the other/additional modifications identified during TAC meeting 4.
- Option 4 - Direct the SWRP Project Team to revise the Initial Project Screening based on other groupings and/or screening criteria. In this case, an additional TAC meeting will be needed to adopt the Initial Project Screening.

The second goal was for the TAC to select either:

- Option 1 - Adopt the Response to Comments in Table 1.
- Option 2 -Adopt the Response to Comments in Table 1 with revisions identified during TAC Meeting 4.

During TAC Meeting 4 on January 4, 2018, the TAC voted to approve Option 2 - Adopt the Initial Project Screening described in *Response to Comments on Initial Project Screening*, dated November 9, 2017, but with the minor modifications identified in the attached response to comments table (Table 1). The TAC also voted to approve Option 1 - Adopt the Response to Comments in Table 1.

DISCLOSURE STATEMENT

Funding has been provided in full or in part through an agreement with the State Water Resources Control Board, using funds from Proposition 1. The contents of this document do not necessarily reflect the views and policies of the foregoing, nor does the mention of trade names or commercial products constitute endorsement or recommendation for use.

This letter is part of the work product for Task 4.5 of Grant Agreement No. D1612613 between the City of Chico and the California State Water Resource Control Board.

Please contact me at (530) 792-3275 or dmoore@westyost.com with any questions or comments.

Sincerely,
WEST YOST ASSOCIATES

Douglas T. Moore
Engineering Manager,
RCE #58122
DTM:lh

COMMENT RESPONSE FORM

Client:	City of Chico
Project:	Chico SWRP
Topic:	Review Period Ending 12/13/17 on the Response to Comments
Date:	12/20/2017, Revised 1/8/2018

ID	COMMENT	Staff Recommendation	TAC ACTION
1	After reviewing the potential projects for priority funding, I'd like to see #1 priority go to: "Project 59: Routine Community Creek Clean up Project (Program)" We need to show all in our community that we take pride and care about our greenways as a focal part of the quality of life for this town, and involve as many of the others in the community in the process. Please help empower this community to take action	-SWRP Projects have not yet been prioritized. - Project 59 has been identified as a SWRP Project -The projects that are identified as SWRP Projects during Public Meeting 3 will move forward to the next phase of the SWRP development, which is the evaluation and prioritization of projects. -SWRP Projects will be evaluated in more detail, and then prioritized. -It is recommended that the next phase of the SWRP development be implemented	Response adopted at TAC Meeting 4, January 4, 2018
2	Please prioritize the SWRP projects that deal with trash removal from our creeks and waterways. I help out in documenting various clean up efforts by a group of community volunteers. The problem is immense, ongoing and far beyond our capabilities based on the number of homeless existing in our community. We need help to keep our city clean. Please put this project as a priority.	It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2019
3	Please prioritize projects #4, #8 and #13.	SWRP Projects 4, 8, and 13 have been identified as SWRP Projects and therefore, will move forward to the next phase of the SWRP development, the evaluation and prioritization of projects. It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2020
4	Prioritize trash removal, camping, toxic waste in Chico waterways	It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2021
5	Please prioritize the SWRP projects that deal with the trash removal from our creeks & waterways	It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2022
6	Please prioritize SWRP project #4, #8, and #13.	SWRP Projects 4, 8, and 13 have been identified as SWRP Projects and therefore, will move forward to the next phase of the SWRP development, the evaluation and prioritization of SWRP Projects. It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2023
7	Please prioritize SWRP project #4, #8, and #13.	SWRP Projects 4, 8, and 13 have been identified as SWRP Projects and therefore, will move forward to the next phase of the SWRP development, the evaluation and prioritization of projects. It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2024
8	Concerned citizen here! I would like to encourage you to prioritize SWRP project # 4, #8 and #13 please!	SWRP Projects 4, 8, and 13 have been identified as SWRP Projects and therefore, will move forward to the next phase of the SWRP development, the evaluation and prioritization of projects. It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2025
9	Please prioritize SWRP projects #4, #8, and #13. Thank you.	SWRP Projects 4, 8, and 13 have been identified as SWRP Projects and therefore, will move forward to the next phase of the SWRP development, the evaluation and prioritization of projects. It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2026
10	Please prioritize the SWRP projects that deal with trash removal from our creeks and waterways. I am part of the group Chico First, and during our cleanups we see the most appalling amount of trash in our community waterways. The refuse can include dirty needles, human feces, active meth lab equipment (homemade), mattresses and much more. It is vital that this egregious situation be addressed as this is a very real healthcare risk when biohazards are in direct contact with our waterways. Thanks you.	It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2027
11	Please prioritize SWRP projects #4, #8, and #13.	SWRP Projects 4, 8, and 13 have been identified as SWRP Projects and therefore, will move forward to the next phase of the SWRP development, the evaluation and prioritization of projects. It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2028
12	Please prioritize the SWRP projects that deal with trash removal from our creeks and waterways.	It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2029

ID	COMMENT	Staff Recommendation	TAC ACTION
13	After reviewing the September initial projects descriptions, and combined list, I feel it's necessary to include my comment. I live proximate to the south bank of the Lindo Channel, in the vicinity between 99 bridge and Holley bridge. The past year I have observed significant quantities (~>100 CY) of solid and liquid waste, both hazardous and non-hazardous type, located within the channel, clearly in the waterline/flowline and abandoned or illegally placed, subject to contact during storm water events. The amount of waste observed in the short distance between bridges is obviously NOT under control and in my opinion, an ongoing illicit discharge if it were not removed. This is one of the worst instances of non-point source discharge imaginable with respect to how direct the transport to the Sacramento River during storm events or including infiltration. There are simple and effective means and methods to eliminate or reduce the referenced waste from the Channel. Please note, all of my comment should be applied to all other creeks/channels in the watershed. Please add additional descriptions to the combined list to adequately address the opportunity to advance further in the review process, as you find necessary. Any help is greatly appreciated.	It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2030
14	After reading today's (12-13-'17) Enterprise-Record article on the various storm water management plan grant applications, I find none more urgent of completion than the Teichert Ponds Storm Water Treatment and Restoration Plan. Plans were completed in 2008 and have since remained on the shelf". These plans, completed at a cost of nearly done half a million dollars, call for separation of storm water inflow between ponds number 2 and 3. This would permit cleaning and removal of contaminants and waste. One pond would function for water detention while the other would be cleaned. Silting and cattail growth are exacerbating at such an alarming rate that the ponds are becoming unhealthy bogs. This silting rate is probably equal to that of the One Mile swimming pool where numerous truckloads of silt were removed last year. Furthermore, the benefits to those working at the Chico Mall and nationhood residences exceeds that of the already well-funded Comanche Creek greenway site. The potential of this "urban oasis" as a nature study area and passive recreation site is tremendous. The homeless certainly have realized it! Please consider this grant application of highest priority.	It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2031
15	I did not know about the Nov 29 stakeholder meeting. I would have attended. Thank you for adding the Comanche Creek Flood Control Study to the SWRP. It is very important this is selected and completed. We are flying blind as is the City of Chico on the potential of flooding from Comanche Creek from all new and upcoming development.	It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2032
16	[Letter from Les Heringer, 12/13/17, paraphrased below] As new development occurs in the Comanche Creek watershed, downstream property owners will continue to see increases in flood flows. Why does the Comanche Creek study stop at Dayton Road? The study should continue all the way to and past Crouch Avenue. The risk of flooding certainly extends beyond Dayton Road. It is requested that the City complete an update to or prepare a new stormwater master plan as the existing plan is more than 30 years old. Les is working with DWR to re-establish gauges on little Chico and Comanche Creeks - would the city like to help?	New development is required to mitigate potenital increased flooding. It is recommended that the Comanche Creek Study be extended further downstream to a logical terminus. SWRP Project O is a Management Plan for Comanche Creek. As part of this Plan, an update to the stormwater plan for Comanche Creek watershed will be prepared. It is recommended that issue of stream gauges be included in SWRP Project O.	Response adopted at TAC Meeting 4, January 4, 2033
17	Please provide a better, more readable document, for TAC members to use. A copy of the EXCEL file would be preferable.	An Excel file can be provided to the TAC prior to TAC meeting 4. No TAC approval required.	Response adopted at TAC Meeting 4, January 4, 2034
18	Project Description – The descriptions contained in this column should be more detailed. A map pinpointing the location of the proposed projects should also accompany this document. Don't use acronyms, size of project, volume of water to be treated…	Initial Project descriptions were submitted by the public/stakeholders/TAC. They were only edited when they were too long to fit in an Excel row - and in that case, the reader was directed to an un-edited attachment. Many projects do not have a location specified, so they can't be mapped. In the next phase of the project, SWRP Projects will be edited in more detail and mapped.	Response adopted at TAC Meeting 4, January 4, 2035
19	Estimated Affordability Evaluation (High, Medium, Low) – How were these scores determined? There is no discussion of how these projects' costs were generated or evaluated. Financial Models and CBA's (cost benefit analysis) should be made available.	No financial models or cost benefits analyses were performed on these Initial Projects yet. The affordability is an estimate of how affordable Initial Projects are relative to each other. This rating is preliminary and qualitative. In the next phase of the SWRP development, costs will be developed and benefits identified, but a formal CBA is not in the scope of this work. It is recommended that the next phase of SWRP development be performed.	Response adopted at TAC Meeting 4, January 4, 2036
20	Response to Comment – Additional details are needed regarding all of the contents related to each response to comments of a proposed project.	The responses adequately addressed the comments. It is recommended that additional responses not be prepared.	Response adopted at TAC Meeting 4, January 4, 2037
21	Projects to be considered for by the TAC for further evaluation, ranking, and prioritization. – Provide entire project proposal so that these tasks can be completed.	Detailed project descriptions will be developed once the TAC has selected SWRP Projects to be considered further. The detailed project descriptions will be used in the next phase of the SWRP development for evaluation, ranking, and prioritization. It is recommended that the next phase of SWRP development be performed.	Response adopted at TAC Meeting 4, January 4, 2038
22	TAC Request #1 Combine all trash related projects, regardless of whether they include education and trash reduction elements and/or full trash capture devices. Consolidate "I" to include all trash capture and reduction efforts - despite City selection of Track 1 without public input - (projects 2, 14, 23, 59, 60, 80, 83).	Projects have already been grouped in a logical manner. For the selection of the three projects for 30% design, the TAC can select individual SWRP Projects, or they can select elements out of SWRP projects; therefore, it is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2039
23	TAC Request #2 Project 23 - Trash Capture Devices: Please clarify the affordability and implement ability rating. There is no mention of maintenance and upkeep? Is low affordability due to purchase of trash capture devices, or cost of operations and maintenance???	Affordability is low because of the initial capital cost of trash capture devices and the cost of operations and maintenance. Implementability is High because the City is required to do trash capture, so doing this project would help the City meet State requirements. In addition, many trash capture devices are not difficult or complex to implement and use.	Response adopted at TAC Meeting 4, January 4, 2040

ID	COMMENT	Staff Recommendation	TAC ACTION
24	TAC Request #3 Project 59 - Routine Community Creek Clean up Project: Please combine this project in with the other trash related projects. The following is the response the City provided as to why this relatively small project was pulled out as a separate SWRP (City provide < $2K support), and BEC supports combining this project). "The City currently funds this type of program, and keeping it as a separate program allows it to be evaluated independently of the many other elements that are included in the combined/grouped projects. Keeping it separate allows it to be funded separately from the other aspects of the combined/grouped projects. Affordability is medium because the project represents a reoccurring annual cost"	As mentioned in the comment, this project is already being funded by the City and is an on-going project. It is kept separate from other projects for which funding is not yet available. It is recommended that this project remain a separate project.	Response adopted at TAC Meeting 4, January 4, 2041
25	TAC Request #4 Project 60 - Fair Street Detention Ponds: Please clarify which portions of Project 60 were combined in to "I" or "R"	The portion of Initial Project 60 that was combined into "I" was trash interception. The portion of Initial Project 60 that was combined into "R" was the repair of the BD ditch to reduce flooding.	Response adopted at TAC Meeting 4, January 4, 2042
26	Project 80 - Revised City of Chico Long-term Trash Reduction Project. If Track 1, because the City selected Track 1, the SWRP should not exclude all other trash collection methods or education related efforts such as cleanups, trash recycling coupons, education, etc. t There was little or no community input in the selection of Track 1 trash amendment method. Why was this project dropped since July? TAC Request #5: Please combine Project 80 in with the other trash related projects.	The project was not included as a SWRP Project initially because the City selected Track 1 for meeting the Trash Amendments requirements from the State, which does not require education and outreach. However, education and outreach is not precluded from being performed, and therefore, it is recommended that Initial Project 80 be included in Initial Project "I".	Response adopted at TAC Meeting 4, January 4, 2043
27	Project 83 - Teichert Pond Water Quality Improvement Project Implement trash reduction outreach campaign, trash and water quality surveys, install trash reduction structures in the inlets and outlets associated with Teichert Pond, initiate invasive plant removal projects and replant appropriate natives, initiate a homeless encampment reduction plan, collaborate with existing citizen monitoring to track project effectiveness and to provide related public stormwater education and outreach (target DACs, schools, businesses contributing runoff to Teichert Pond), green job training to assist with project implementation, develop outreach and education plan with roles for interested community organizations, connect bike path, initiate outdoor classroom curriculum linked with project objectives, LID implementation and green streets retrofit to reduce runoff carried to pond, improve wildlife and riparian habitat, recreation opportunities, picnic areas, walking/biking paths, informational signage, etc. SWRP, combined into Q, Trash reduction structures combined into I, includes POEI*	No questions are asked, and no action is requested.	Response adopted at TAC Meeting 4, January 4, 2044
28	TAC Request #6: Please include projects mentioned and/or submitted by the public during public meetings on the SWRP list. People attending the public meetings were asked to provide suggestions of projects. Did those projects get included in the list? For example, I followed up with Robin McCollum, who suggested two projects during the May meeting (and possibly again at the July meeting?): 1) Floodplain Enhancement Project on Little Chico Creek located between Bruce Road and 99, and 2) Sycamore Bypass Remedial Grade Control and Sediment Mitigation Project focused on mimicking natural channel functions to reduce the need for ongoing maintenance	The project submittals received at both public meetings 1 and 2 do not include a submittal from Robin McCollum. The one submittal received at Public Meeting 1 was from Dick Cory on Teichert Ponds. No submittals were received during Public Meeting 2, though an idea was brought up and later submitted online by Earthshed Solutions. Robin McCollum submitted one project online called "Multiple Off-Stream Detention/Wetland Basins". It is recommended that no further action is taken.	Response adopted at TAC Meeting 4, January 4, 2045
29	TAC Request #7: There are only three projects that will be selected for further development (30% designs) for possible Prop 1 funding as part of this SWRP grant project. We would like the TAC to support projects for further development and the 30% designs that include or target the following project types and goals including: 1. Public education and outreach elements included in all three projects selected. [See attachment A for further descriptions.] 2. Chapman Mulberry Projects. [See attachment A for further descriptions.] 3. Projects hat included opportunities for public involvementenefits the City's stormwater program goals).Stormwater projects targeting the Big Chico Creek Watershed o LID Implementation projects o Sediment / Erosion control projects o Flood Management o Trash Capture and Reduction Projects (beyond the Track I requirements)	The three projects for 30% Designs have not yet been selected. For the selection of the three projects for 30% design, the TAC can select individual SWRP Projects, or they can select elements out of SWRP Projects. It is recommended that this comment be used by the TAC during the SWRP Project prioritization process in the future as well as during the selection of the projects for 30% design after the future prioritization process is complete.	Response adopted at TAC Meeting 4, January 4, 2046
30	All concept projects that were submitted that are located in this DAC neighborhood (Chapman Mulberry) should be combined and an evaluation of the suggested concept ideas further developed to the 30% design level including green streets, rain gardens, and other LID demo projects. Projects 85 and 72 combined (and 81, which provided concept ideas that although were presented to target a City-wide approach, could be further developed to target only the Chapman Mulberry neighborhood). There may be others on the list that target that neighborhood that should also be included in the evaluation of their merits and in determining which elements would be best to further develop for a the 30% design phase and Prop. 1 funding cycle. [See attachment A for further detail.]	Projects have already been grouped in a logical manner. For the selection of the three projects for 30% design, the TAC can select individual SWRP Projects, or they can select elements out of SWRP Projects; therefore, it is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2047
31	TAC Request #8: Inclusion of action based education and outreach in any and all stormwater runoff reduction and water quality improvement projects (cleanups, restoration, LID demonstration/implementation and effectiveness monitoring)	It is recommended that this comment be used by the TAC during the SWRP Project prioritization process.	Response adopted at TAC Meeting 4, January 4, 2048
32	TAC Request #9: Many "Projects" (almost all of the ones we submitted) have been combined into the letter categories as "Plans" although they are not plans at all, and are instead implementation projects. The justification was given that the concept ideas were too vague, and/or too complicated and will require further planning. We believe this grouping was not justified, and that one remedy to this situation could be to include the words "and Implementation Projects" in the letter category titles and descriptions where they have been lumped.	It is recommended that "and Implementation Projects" can be added to project titles. However, before many of these projects can be designed and constructed, significant additional planning work must occur. Therefore, it is also recommended that these projects still be evaluated as Plans, but Implementation Projects can be pulled out for selection of 30% design by the TAC.	Response adopted at TAC Meeting 4, January 4, 2049

ID	COMMENT	Staff Recommendation	TAC ACTION
33	TAC Request #10: We also request that the lumped projects (that are not plans) be evaluated as separate projects for further development and for possible selection of the 30% design phase and Prop 1 funding (either individually, or in combination with other projects where combining several project elements would enhance fundability and outcomes). There has been ample time for the consultant and/or the City to discuss ideas the public submitted that they found vague, and or confusing, but we have not received any communications regarding this issue. It was our understanding was that the ideas submitted were concept ideas only, and there was not format suggested on length of project description of breadth of activities suggested, and apologize for the long list of ideas, but contest the ideas should now be lumped as plans. We would appreciate that the merits of the conceptual ideas be evaluated. There are many elements that can be easily implemented and others that could be lumped, but lumping all of the projects does not seem fair.	The consultant/City will be contacting people about their SWRP Projects during the evaluation phase of the SWRP development. Since this is still only the screening, no contacts have been made. Also, Stream Team was provided specific comments on August 4, 2017 with suggestions on how to revise projects. Stream Team has had opportunities to meet with City staff to discuss projects. A copy of the guidance/suggestions is provided in Attachment B. Project submitters will be contacted as needed in the next phase of the SWRP development. It is recommended that the next phase of the SWRP development be implemented.	Response adopted at TAC Meeting 4, January 4, 2050
34	Specific projects that we believe should not be lumped as plans and could either be combined with other stand-alone SWRP projects and/or listed as a separate SWRP project include: Projects 80 combined with Project 85 (projects are definitely related and would enhance outcomes and the entities have expressed willingness to combine and/or partner in targeting LID implementation projects for the Chapman neighborhood)	Initial Project 80 is the trash reduction master plan which is not directly related to Initial Project 85 (Chapman Mulberry Rain Garden), which is an implementation project at a specific location. It is recommended that these projects not be combined.	Response adopted at TAC Meeting 4, January 4, 2051
35	Specific projects that we believe should not be lumped as plans and could either be combined with other stand-alone SWRP projects and/or listed as a separate SWRP project include: Project 74 combined with Project 20 combined: remove all of the project details, which were intended to be concept ideas that we included in most of our suggested project ideas, and instead focus on the title of the project , “CAL Park Green Streets Project,” which indicates what the main focus of the concept project and location referred too, and could be further developed along with Project 20 to target Cal Park.	Initial Project 74 (Cal Park Green Streets Project) and Initial Project 20 (Green Streets and Parking Lots). Initial Projects were evaluated as submitted. If these two projects were combined, they would still remain a Plan since identifying the best and most cost effective locations will require preparation of a plan. To implement Green Streets, the City would need a Green Streets Master Plan to guide their project selection and process. Since Chico does not yet have a Green Streets Master Plan, developing a plan would be the first step to getting green streets implemented. Developing a Green Streets Master Plan is included in SWRP Project P. Projects have already been grouped in a logical manner. For the selection of the three projects for 30% design, the TAC can select individual SWRP Projects, or they can select elements out of SWRP Projects; therefore, it is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2052
36	Specific projects that we believe should not be lumped as plans and could either be combined with other stand-alone SWRP projects and/or listed as a separate SWRP project include: <u>Project 78 Landscape Water Conservation and Pesticide Reduction Project - see attachment for detail on what the project should be combined with:</u> The concept project idea contained a long list of project ideas. Please evaluate the project based on the merits of the ideas suggested and refer to the title for the overall concept idea for a better understanding of the intent of the project, which was to develop a project to reduce landscape irrigation and pesticide runoff form occurring. With a little bit of discussion, exact locations and target neighborhoods could be easily identified, and demo projects constructed to train residents and others (landscapers) of the practices they can implement to reduce runoff pollution. Dry weather outfall monitoring supports the need for reducing landscape runoff. The affordability should be ranked High (cheap) and implementability as low (very feasible) based on developing projects that do not require huge engineering or construction budgets. An example of a similar project was recently constructed at LID demo projects such as the 16th and D (funded through Prop 84). The smallness or expansiveness of the ideas presented should be discussed and further evaluated before lumping the entire idea as a plan. • Implement LID demo projects in neighborhood types (type refers to drainage issue- Ceres has shallow water table, etc., but there are definite issues that are specific to certain neighborhoods which could be targeted and selected based on known problem areas throughout the City) to provide training opportunities and replicable examples for neighbors to mimic. Target LID methods that best reduce pesticide and landscape irrigation runoff. • Implement LID demonstration and Green Streets projects targeting City-owned properties and median and sidewalk strips, roadway curb cuts to vegetated plots and infiltration trenches, pervious sidewalks and gutter pans, downspout disconnects to cisterns for recycling and use by community gardens, integrate safe walking and biking transportation pathways into LID project designs, etc. • Implement “Green Jobs in Your Community” Training Program coordinating with existing work training programs (CCC’s, CAVE) and utilize hands-on training workshops to implement LID project elements to save costs. • Include pesticide and overwatering campaigns targeting DACs and implementation of LID demo projects.	Initial Projects were evaluated as submitted. It is recommended that no additional actions implemented.	Response adopted at TAC Meeting 4, January 4, 2046

ID	COMMENT	Staff Recommendation	TAC ACTION
	• Develop a Waterwise and Habitat "River Friendly Landscape Guide" specific to Butte County including the following principles: install local native species, nurture the soil (compost on site), reduce yard waste to landfill, conserve water, conserve energy, protect water quality (decrease pesticide use), and create wildlife habitat. • Implement a Rainscapes Reward - Incentive program to provide rebates implementing green infrastructure and turf removal projects to capture and treat stormwater onsite. • Update or integrate existing creek-side and street tree handbooks. • Link existing citizen monitoring and stormwater / watershed protection efforts with City Stormwater Management Program objectives to facilitate public involvement, leverage previous State funding for stormwater projects and programs, utilize existing baseline water quality data, and empower continued community group involvement by ensuring they have a role in assisting with outreach and education, project implementation, and project effectiveness monitoring. These groups represent key-stakeholders and can facilitate their involvement to improve overall project outcomes.		
37	Specific projects that we believe should not be lumped as plans and could either be combined with other stand-alone SWRP projects and/or listed as a separate SWRP project include: Project 71 and 26 combined (the project elements do not require permits and if selected for further development could be deemed fundable by Prop 1.) We believe it would be feasible for the City and Parks Department to select one or more exact locations for further developing including at least one of the stormwater related concept ideas presented in this project and including the ed outreach related ideas. List of Conceptal Elements that could be further developed trageting work in Bidwell Park for SW related projects: [See the attachment A for details.]	Initial Project 26: Bidwell Park and Greenway Integrated Storm Water, Ground Water Recharge, and Recycled Water Project and Initial Project 71: Bidwell Park Stormwater Management Project (Green Infrastructure-LIDs, Floodplain Improvement, and Ground Water Recharge) Initial Projects were evaluated as submitted. These projects will require studies to be able to implement effectively and cost efficiently, therefore, it is recommended they remain Plans. For the selection of the three projects for 30% design, the TAC can select individual SWRP Projects, or they can select elements out of SWRP Projects; therefore, it is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2056
38	Separate Projects and Plans included in M - BIG CHICO CREEK and evaluate each separately even if still grouped as M. Also, please select project group M for 30% development and select projects for further development based on the evaluation of the projects that were lumped. Need TO IDENTIFY GOALS AND OBJECTIVES ^^^^ TO GROUP and evaluate grouped PROJECTS, right? Comments on the Projects that should be Implementation Projects are listed below [in rows 39 - 50]	Projects have already been grouped in a logical manner. For the selection of the three projects for 30% design, the TAC can select individual SWRP Projects, or they can select elements out of SWRP Projects; therefore, it is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2057
39	This should be an implementation project: Project 4 - Big Chico Creek bank erosion The creek bank just a few feet away from CARD's water well on BCC at Hooker Oak Park is eroding. A solution for this problem has been designed; implementation could be part of a future storm water grant application. SWRP, combined into M, includes POEI* • Is this a maintenance project, resulting from pumping? Are maintenance projects eligible for Prop 1 funding?	This project is one of many erosion projects that could possible be funded. A plan will be used to identify the most cost effective and efficient locations where erosion control is needed, therefore, it is recommended that this project remain a plan. Projects have already been grouped in a logical manner. For the selection of the three projects for 30% design, the TAC can select individual SWRP Projects, or they can select elements out of SWRP Projects; therefore, it is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2058
40	This should be an implementation project: Project 5 -Big Chico Creek storm water detention Create a storm water detention area in Lower Bidwell Park just west of the east most parking area off Peterson Memorial Drive. This area has previously flooded (i.e. Scout's Island) and has the capacity to occasionally detain enough water to reduce downstream flooding without affecting any major infrastructure such as Petersen Dr. Consider making a small detention basin on the right (north) bank of BCC just downstream of the Vallombrosa Bridge. This is part of the city-owned Lost Park area. Currently several north side properties closer to the Esplanade Bridge as well as the south side of Lost Park experience flood water conditions during high water events. Correcting a scour problem at Big Chico Creek's Vallombrosa Bridge is listed in the city's Capital Projects plan. Incorporate this fix into a grant proposal as an in-kind match. SWRP, combined into M	This project was lumped into the Big Chico Creek Management Plan because 1) it falls under the category of managing flood flows. These potential locations for detention basins can not be evaluated without taking into account the system as a whole - and therefore, should be part of the larger Management Plan. Since constructing detention basins is an expensive undertaking, the City wants to find the most efficient and cost effective locations for detention. 2) This project would require a drainage study to evaluate the size needed for the detention basins. Projects have already been grouped in a logical manner. For the selection of the three projects for 30% design, the TAC can select individual SWRP Projects, or they can select elements out of SWRP Projects; therefore, it is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2059
41	This should be an implementation project: Project 8 - Lindo Channel Infiltration enhancement Use the city-owned area of upstream of the Madrone bike bridge for storm water infiltration	To identify if infiltration is feasible in this location and to identify and prioritize the best locations for infiltration, a study will be needed. Therefore, it is recommended that this project remain a plan, and not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2060
42	This should be an implementation project: Project 9 - Lindo Channel nonpoint pollution Re-do access roads into to channel to make it easier to haul out debris from homeless camp cleanups. Identify areas where camping and associated camp cleanups regularly occur and develop and implement solutions to reduce camping at those locations (e.g. elevating vegetation, regular monitoring, etc.). Add trash filter at Chico Nut storm water drain Add bioswales to storm water outlets from Manzanita to Esplanade, where stream channel is wide enough to accommodate.	Planning studies will be needed to determine locations and impacts of swales. The trash capture master plan will be used to identify the most cost effective and efficient locations of trash capture devices, therefore, it is recommended that this project remain a Plan.	Response adopted at TAC Meeting 4, January 4, 2061

ID	COMMENT	Staff Recommendation	TAC ACTION
43	This should be an implementation project: Project 12 - Mitigating new impacts to Sycamore Bypass There are several large new residential subdivisions to the south of Sycamore Bypass. Improve outdoor recreational opportunities for these residents by completing the planned bike path along the Bypass to connect to the Floral Ave bike path and by creating well designed paths into the Bypass area (instead of letting each user create his/her own path). Provide educational signage and materials to the homeowners associations to discourage yard waste and trash dumping into the Bypass. • Is this a water quality project? - "Provide educational signage and materials to the homeowners associations to discourage yard waste and trash dumping into the Bypass." - to Project I (POEI)	This project is related to water quality through the trash reduction measures mentioned. The "improving recreational opportunities" element of this project is not directly storm water related, and therefore, should be implemented in conjunction with other storm water projects in the same area. If is recommended that this project should remain part of M.	Response adopted at TAC Meeting 4, January 4, 2062
44	This should be an implementation project: Project 19 - Grassy Swale in Bidwell Park Install grassy swale in Bidwell Park to provide natural treatment and some minor detention, along with infiltration • Multiple opportunities throughout bidwell park to enhance stormwater treatment and infiltration using swales, and other strategies without the need for permits.	There are many locations where swales could be implemented, therefore, a study would be required to identify effective and cost efficient locations, which means a plan will be needed before design/construction can occur. Therefore, it is recommended that this project remain a Plan, and not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2063
45	This should be an implementation project: Project 41 - Improve Lindo Channel Remove vegetation, debris, rock, silt, repair outfalls, and reestablish channel capacity to reduce flooding and erosion of public infrastructure. Include a bikeway to increase public open space.	A study will be needed to identify where vegetation/debris/rocks/silt need to be removed and where repairs are needed. To re-establish capacity, a study is needed to identify how much flooding needs to be reduced, and how that should be achieved. Therefore, it is recommended that this project remain a Plan, and not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2064
46	This should be an implementation project: Project 53 - Urban Riparian Restoration Community Creek Cleanups Annual Bidwell Park and Chico Creeks Cleanup (September) Regular neighborhood cleanups Invasive species removal (i.e. Arundo) in Little Chico Creek. Removal of anadromous fish migration blockages (i.e.. rouge dams but	A study will be needed to identify locations of fish blockages, how they should be addressed, and the impacts of removing any dams/blockages. Therefore, it is recommended that this project remain a Plan, and not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2065
47	This should be an implementation project: Project 70 - Lindo Channel Stormwater Infiltration and Floodplain Enhancement Project - need to separate projects concepts from plan: 2a) Repair damaged outfalls: Add bioswale areas below outfalls: Re-grade / realign outfalls: Install trash reduction structures: target "hot spots" (Mangrove to Esplanade), 3b) Schedule regular creek clean-up 4) Reduce urban landscape irrigation runoff 6) Project Effectiveness Monitoring	2a) A study will be required to prioritize where repairs and realignments are needed and to identify hot spots. 3b) This is an Program, not an Implementation Project 4) This is an Program, not an Implementation Project 6) This is an Program, not an Implementation Project Therefore, it is recommended that these projects remain part of a Plan, and not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2066
48	This should be an implementation project: Project 76 - Revised Little Chico Creek, Lindo Channel, Mud/Rock Creek Arundo/Broom Removal and LID Implementation Project	Projects were evaluated as submitted. To identify the most efficient and effective locations for the many project elements included in this project, multiple studies will be needed. Therefore, it is recommended that these projects remain part of a Plan, and not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2067
49	This should be an implementation project: From Project A - Big Chico Creek and Mud Creek Watershed Wide Flood Control, Urban Drainage, Habitat, Public Open Space/Recreation Management Plan: Manage gravel deposition at Five Mile and assure proper gravel migration downstream. - - Identify and correct erosion problems. - Install flow gages throughout creek (particularly in the upper watershed) to improve upon the availability and reliability of real-time	To identify the most efficient and effective locations for identifying and correcting erosion problems, how to manage gravel, and where to install flow gauges, multiple studies will be needed. Therefore, it is recommended that these projects remain part of a Plan, and not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2068
50	This should be an implementation project: From Project K - Habitat Improvement Plan and Specific Projects - Remove invasive yellow flag iris from Comanche Creek - Arundo removal from Little Chico Creek ~~(develop a management plan and conduct~~	To identify the most efficient and effective locations for identifying removal of invasive species and developing a plan to continue to address invasive species, a study will be needed. Therefore, it is recommended that these projects remain part of a Plan, and not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2069
51	TAC Request #13: Project 33 Mud Rock Creek Reclamation Project Affordability could be high (cheap), depending on the concept idea elements selected for further development. Implementability could also be High (easy) depending on the concept ideas selected for further development. I believe it would be prudent to contact Rock Creek Reclamation District, DWR, or the County to determine if there are any feasible projects that could be further developed in the Rock Mud areas. The Rock Creek Reclamation District is focusing their work from Hwy 99- to the river implementing 1-sides levee projects diverting water from Nord, and redirects to lands in specific areas so landowners can grade their lands accordingly to reduce flooding issues. County is working on a flood control study for Nord (County, DWR, FEMA study), and a study upstream including Keefir Rd. developments, which could easily benefit from simple small LID projects. Keefir slough and the capacity to infilatrate flood waters could be enhanced. County and DWR have a project to study flood protection needs including Haggenridge Rd and the bifurcation of Keefir slough and rock.	As part of the next phase of the SWRP development, it is recommended that the City/Consultant contact Rock Creek Reclamation District, DWR, and the County about specific projects they are planning, designing, and/or implementing.	Response adopted at TAC Meeting 4, January 4, 2070
52	TAC Request #14: Project 44 clarification on "SWRP 3 5 Mile and Lindo Channel Diversion Study and Improvements" • Are there any planned modification of channel gravels, soils, or other depositions affecting current flows to the diversion gates? If so, permitting may be required, impacting the project's affordability and implementability	This comment will be taken into account when developing project descriptions in the next phase of the SWRP development.	Response adopted at TAC Meeting 4, January 4, 2071

ID	COMMENT	Staff Recommendation	TAC ACTION
53	TAC Request #15: Please re-evaluate the current ranking (affordability, implementabiliy) on the projects we submitted (I will need help from the City, consultant or TAC to be sure the project numbers we submitted are identified for this purpose, as the list is confusing and I am unable to ensure I can find all of the project numbers). As we have tried to express, the projects are conceptual ideas, and the Project titles best describe the intent for ranking purposes. Project locations if missing need feedback from City for example on exact locations the City would support implementing projects in Bidwell Park, in City neighborhoods, and streets. We have not been contacted by anyone to clarify ideas we presented that were deemed vague, or to discuss exact locations, which we thought would occur. This may sound like an excuse, that I have been unable to provide feedback in a more meaningful way, but the process has not included any facilitation or discussion of the specific ideas of most projects that have been submitted, and instead we have been provided with lists to evaluate, which has been difficult.	Projects have already been rated for affordability and implementability, and questions and comments on the ratings have been addressed. It is recommended that projects not be re-rated. Project submitters will be contacted during the next phase of the SWRP development to further develop project descriptions. Clarifications and suggestions on what projects descriptions should include were sent to Stream Team when project revisions were being accepted, see Attachment B.	Response adopted at TAC Meeting 4, January 4, 2072
54	Question? Why does the header on the meeting summary document include the City of Vacaville? What other Cities is West Yost assisting in the preparation of an SWRP? Yuba, Sonoma, Vacaville, and Chico?	There appeared to be an issue with the document. The header on the wesbite has been fixed. No TAC approval is required.	Response adopted at TAC Meeting 4, January 4, 2073
55	"SWRP 17 Chapman Mulberry Rain Garden" Comment clarification: There are 2 or more projects targeting the Chapman Mulberry neighborhood with related project goals (implementing LIDs and rain gardens to treat runoff). Combining these projects as other similar projects have been, would not circumvent either entity from paying for the project themselves, seeking grant funding on their own, or collaborating. Also, because the SWRP will only evaluate 17 projects, allowing the two projects to be combined would facilitate evaluations of the merits of both concept ideas targeting the Chapman neighborhood. The comment about "good demo projects" was meant to infer that although small turf removal projects are valuable, they do not have as great an outcome on water quality as those that treat runoff from streets and parking lots.	Projects have already been grouped in a logical manner. For the selection of the three projects for 30% design, the TAC can select individual SWRP Projects, or they can select elements out of SWRP Projects; therefore, it is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2074
56	Comment clarification: Project 80 was previously grouped into category I, but has been omitted from that group and instead is listed as an initial project with the justification that because Track 1 does not require education and outreach to reduce trash loading it was not grouped. All trash related projects should be grouped and not be omitted because they include trash reduction ideas.	See comment above in Row 26 - it is recommended that Initial Project 80 be included in Initial Project "I".	Response adopted at TAC Meeting 4, January 4, 2075
57	Comment clarification: The consultant explained that the City has pre-screened all of the submitted projects and has identified the concept ideas as either "projects" or lumped them into a "plan" under one of the 14 letter categories. There are 3 projects and 14 plans identified on the pre-screened list. Because the current SWRP grant includes funding to further develop only three of the "projects" to the 30% design level in order to prepare for applying for Prop. 1 funding, it seemed the decision on which projects to move forward had been made, since only 3 projects had been identified on the list. Also, because the other concept ideas submitted were all lumped as "plans", there was a concern that they would no longer be evaluated further in the SWRP process even though they are "projects" and not "plans".	The three projects for 30% design have not yet been selected yet. Selection of these three projects will be done by the TAC after the evaluation is complete. For the selection of the three projects for 30% design, the TAC can select individual SWRP Projects, or they can select elements out of SWRP Projects. It is recommended that no additional action be taken.	Response adopted at TAC Meeting 4, January 4, 2076
58	Comment clarification: This point was not discussed at the meeting, but if the City pre-screened the list, doesn't the TAC still need to approve that list before moving forward with the evaluations? Also, doesn't the TAC need to review and consider the comments received during the public review period before approving the list? How will the TAC identify the projects that have been lumped? Will the City provide a list of the current project groupings with all of the various projects listed under that grouping? It is difficult to refer back to the various pages of the list and the project descriptions have changed as each version of the list has been updated. Also, the grouped plans contain on-the-ground implementation projects that have been lumped as plans, which is not correct. The reasoning for grouping projects seems arbitrary.	The TAC will be reviewing the comments received during the review period and will be making decisions on how the comments will be addressed. The TAC will identify projects that have been lumped using the table. An updated list could be provided for the grouped plans. Project descriptions have not changed. Project descriptions are taken directly from what was submitted (unless it was too long, then an attachment is referenced). Projects have already been grouped in a logical manner. Projects that have been lumped into plans will require significant additional work prior to implementing the projects. For the selection of the three projects for 30% design, the TAC can select individual SWRP Projects, or they can select elements out of SWRP Projects; therefore, it is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2077
59	Comment clarification: The Stream Team expressed concerns regarding the lack of public outreach and facilitation being provided by the City to encourage and assist the public in participating in the development of the SWRP, and stated that the SWRP will be the guide for the City and entities interested in stormwater protection efforts, including prioritization of projects that will be implemented and include public involvement. Matt Thompson responded, "at least we got three members of the public to attend, Yuba City only got one", which was discouraging, and did not address the issue. I also mentioned that I had contacted the Enterprise Record (ER) and News and Review (N&R), on the morning of the meeting to see if they were sending a reporter, and received no response from News and Review, but the ER said they were not aware of this project at all, and with such short notice they could not send a reporter to the meeting.	Public/Stakeholder meeting #1 – 5/17/17 -Chico News and Review ad – week of May 11, 2017 - Chico ER ad – 5/10/17 - Individual and group emails - See Attachment C Public/Stakeholder meeting #2 – 7/19/17 -Press Release sent out 6/27/17 - Chico News and Review picked up the meeting as an eco event – week of July 13, 2017 - Chico ER wrote an article, 6/29/17 - Individual and group emails - See Attachment C Public/Stakeholder meeting #3 – 11/29/17 - Press Release sent out – 11/16/17 - Individual and group emails - See Attachment C	Response adopted at TAC Meeting 4, January 4, 2078
60	Comment clarification: The comment was regarding the evaluation process of projects and the way they were "lumped" as "Plans", sometimes if they were judged as vague or contained too long of a conceptual list of projects. Because the directions for submitting projects was unclear on the depth (or length) of the project descriptions, some concepts submitted were very brief, while others included a more developed list of concept project elements. All of the projects with a more developed list of concept project ideas were lumped as plans, although the ideas are for projects. The concern was that those implementation project ideas would no longer be considered for further development, or for separate evaluation and/or selection as one of the three projects that will be developed for possible Prop. 1 funding. City staff responded, "bring this up to the TAC".	When a project contained multiple projects elements that would require development of plans, the project was considered a Plan. Suggestions on how to revise projects were communicated to Steam Team. See Attachment B. For the selection of the three projects for 30% design, the TAC can select individual SWRP projects, or they can select elements out of SWRP projects; therefore, it is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2079

ID	COMMENT	Staff Recommendation	TAC ACTION
61	Comment clarification: This comment was intended to draw attention to the fact that $400K is being paid to West Yost to develop this plan ($200K contributed by the City, and $200K from the State Water Board, including nearly $9OK to facilitate public involvement). There were 2 members of the public that had not attended a previous meeting this was meant to express our concern at the amount of money being spent on this plan. It was not meant to imply that The Stream Team wanted the $400K, but instead that a substantial amount of money is being spent, and it might have been more beneficial for protecting water quality to implement solutions instead of just developing a list to satisfy the requirements for Prop. 1 funding.	The amount of budget available for public outreach is $70k. This budget is being spent per the State Contract.	Response adopted at TAC Meeting 4, January 4, 2080
62	Comment clarification: The grant awarded was very clear regarding the process that would be used to facilitate public involvement, which has not been followed.	The Contract with the State says the following regarding public outreach and involvement: *Facilitate the organization, coordination, and collaboration among stakeholders including existing storm water programs, the Chico Unified School District, and disadvantaged communities and provide opportunities for general public participation and education throughout development of the SWRP.* *6.1.1 Prepare a stakeholder outreach, education, and engagement plan and submit to the Grant Manager for review and approval.* **This has been completed.** *6.1 .2 Develop and distribute public media items including press releases, flyers, maps, and website updates to solicit stakeholder involvement. Submit public media items, maps, and screen captures of web pages items to the Grant Manager.* **This is done every time there is a public meeting. More advertising has been done than what is required by the Contact.** *6.1.3 Conduct a minimum of two (2) stakeholder meetings and one (1) public outreach meeting for interested stakeholders over the course of development of the SWRP. At a minimum, one of the outreach meetings shall be conducted prior to Item 4.5 and include a request for stakeholders to propose multi-benefit storm water management projects.* **Three public/stakeholder meetings have been conducted, and projects have been requested and received from the public.** **The Contact is clear regarding the process for facilitating public involvement, and it has been followed.**	Response adopted at TAC Meeting 4, January 4, 2081
63	Comment clarification: Handouts are printed in very small type, subsequent reiterations of the project lists do not group combined projects in sequence, and the responses to comments are not specific and don't necessarily address the concerns. There were also technical issues with the slide show early in the meeting presentation, and the public was asked to review the handout, printed in very small type and was hard to read.	We apologize for the technical issues with the media. To clarify, one member of the public suggested moving forward using only the handouts.	Response adopted at TAC Meeting 4, January 4, 2082
64	Comment clarification: The comment was intended to reiterate that the plan will not be very useful unless it supports the City's stormwater program goals and objectives, which have not been made clear when prioritizing the SWRP projects.	The community and TAC provided input on the overall goals and objectives through the prioritization of the State-Identified-Benefits, including water quality, water supply, flood management, environment, and the community. Additionally, TAC and community members had the opportunity to identify other benefits that are important to them. A total of 32 TAC and public provided input on the benefits.	Response adopted at TAC Meeting 4, January 4, 2083
65	Comment clarification: Concerns regarding the small number of survey responses and the confusion with the ranking and scoring process were provided during the July public meeting as well as submitted in writing by BEC. Both BEC and The Stream Team offered to re-circulate the survey to the public via their email lists to gather more responses, but the City decided to move ahead with the 32 responses, as representing the stormwater values of nearly 80K residents.	BEC and Stream Team expressed interest in having their survey responses be weighted to represent their entire organization during Public Meeting 2 on 7/19/17. The TAC decided that if organizations wanted to send the responses to their entire constituency, they were welcome to do so, but survey responses would not be weighted. This information was sent out to the community on 7/26/17. The public review period ended 8/9/2017, which allowed 2 weeks for BEC and Stream Team to send the survey out to their organizations.	Response adopted at TAC Meeting 4, January 4, 2084
66	Comment clarification: The City has an existing stormwater management plan, and the comment was intended to reiterate the SWRP being developed would be more useful if it supported the City's stormwater program goals. It is unclear why the City Council would need to make new policy when the City already has a stormwater plan in place with required goals and objectives that need to be met.	The City has an old stormwater management plan was prepared for an MS4 covering the years 2003-2008. The plan was prepared based on regulations at the time, and since regulations have changed, is no longer applicable. The City's goals, in the context of the SWRP, for managing stormwater are being addressed in part by the community values, as prioritized from the community surveys. These community values are essentially goals. For example, the highest rated benefit was water quality. This benefit is essentially the same as a goal or objective of "improving water quality." Projects that improve water quality will therefore help achieve this goal. In addition, having goals that support the State's current benefits (goals) is beneficial for meeting future funding requirements.	Response adopted at TAC Meeting 4, January 4, 2085
67	Comment clarification: The comment intended to bring up the issue that the City has received previous stormwater related grants (nearly 4 million), and that the SWRP and prioritization of implementation projects should build on those previous efforts including continuing existing stormwater and watershed protection efforts that are being sustained by The Stream Team, BEC, and others who are dedicated to assisting the City in meeting their MS4 permit mandates.	Noted. It is recommended that no additional action be taken.	Response adopted at TAC Meeting 4, January 4, 2086

ID	COMMENT	Staff Recommendation	TAC ACTION
68	Comment clarification: Many projects have been lumped as “plans”, although the concept ideas suggested are implementation “projects”. Grouping all projects that have multiple ideas and judging them as “vague” does not capture the intent of the submittals, and circumvents those projects from being evaluated. This issue of how the projects were grouped was discussed at a meeting between BEC, The Stream Team and City staff in July, after learning that Matt Thompson had grouped the projects himself. Our concerns were that it would be difficult to evaluate projects if they are now considered plans, and that we wanted the projects separated for evaluation.	Projects were evaluated as submitted. Many of the concept ideas were identified as "Plans," not "Implementation Projects" because they contained multiple project elements that were vague and would require planning before projects would be implemented. It is recommended that no additional action be taken.	Response adopted at TAC Meeting 4, January 4, 2087
69	When will this SWRP will be incorporated the City's master plan?	It is a goal of staff to combine the SWRP with the Storm Drain Master Plan and Nexus, MS4 and General Construction Permit requirements, etc. into an all encompassing document that is full compliant with the General Plan. In so much as this is major policy initiative, Council direct staff regarding the timing.	Response adopted at TAC Meeting 4, January 4, 2088
70	Comment clarification: The SWRP was intended to develop a plan to guide stormwater management for the entire Big Chico Creek watershed, and was not intended to be just a list of projects, to satisfy the requirements for Prop .1 funding.	This concern was previously addressed in the follow up response for Public Meeting 2. "The State Contract with the City of Chico and the SWRP Guidelines partially define the purpose of the SWRP as the identification, evaluation, and implementation of projects....Using the State Contract tasks as a guide, the majority of the SWRP development effort is to be expended on identifying and evaluating projects. Additionally, one of the main purposes of the stakeholder and public outreach (Task 6.1.3 of the State Contract) is to identify and submit projects for inclusion in the SWRP. The State’s SWRP Guidelines (2015) also focus primarily on identifying projects. " It is recommended that no additional action be taken.	Response adopted at TAC Meeting 4, January 4, 2089
71	Comment clarification: We do our best to answer their questions and then refer them to the SWRP website and provide them with the City staff contact info.	Noted. It is recommended that no additional action be taken.	Response adopted at TAC Meeting 4, January 4, 2090
72	Comment clarification: The intent of the comment was to request that the City identify the projects submitted that support the City’s stormwater program goals, that they would continue to support and possibly include in the projects selected to be further developed for Prop. 1 funding. The Stream Team’s stormwater efforts have been funded directly by the grants the City has received to support their stormwater program efforts (nearly $4 million). Leveraging previous funding and building on work completed through previous grants would enhance the City’s chances for receiving Prop. 1 funding. This would also reduce the out-of-pocket match expenses the City would need to contribute, while building and supporting existing storm water efforts.	Award of past grants does not guarantee the potential for awards of future grants, nor would it reduce the required match expenses. The City's stormwater program goals are defined furst by the General Plan, and second by the requiremnts of the MS4 and General Construction Perits. All projects in the SWRP must conform to the General Plan. Staff places a priority on projects that that support permit compliance. It is recommended that no additional action be taken.	Response adopted at TAC Meeting 4, January 4, 2091
73	"SWRP 2 Mud and Rock Creek Flood Protection Project" - If the TAC wanted to pull this project out for 30% design, could they do so?	The TAC will make the selection of the three projects after the evaluation and prioritization process. For the selection of the three projects for 30% design, the TAC can select individual SWRP projects, or they can select elements out of SWRP projects; therefore, it is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2092
74	"SWRP 5 Bidwell and Grape Way Stormwater Protection and Restoration Project" - Has anyone contacted this landowner? It’s possible that there is a lot of streambank restoration needed around this area.	Individuals will be contacted during the next phase of the SWRP development to further develop project descriptions. It is recommended that no additional action be taken.	Response adopted at TAC Meeting 4, January 4, 2093
75	“SWRP 6 Low Impact Development and Green Infrastructure Implementation Program for Butte County Schools” - This project should be a partnership between the school system and the City. There are already demo gardens and green infrastructure being constructed at schools. The schools have a DROPS grant. The City and School system should sponsor these projects together.	The School District is the sponsor for this project. The City chose not to co-sponsor projects that would be constructed on School District property. It is recommended that no action be taken.	Response adopted at TAC Meeting 4, January 4, 2094
76	“SWRP 7 Storm Water Monitoring for Compliance with MS4 Permit” Can this be grouped with all the city’s other monitoring projects?	Projects have already been grouped in a logical manner. For the selection of the three projects for 30% design, the TAC can select individual SWRP Projects, or they can select elements out of SWRP Projects; therefore, it is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2095
77	“SWRP 9 Big Chico Creek 21st Century Management.” How is this project different from SWRP 3? Should SWRP 3 be included within SWRP 9? This project contains many elements. Can smaller project elements be pulled out from within this large umbrella project?	SWRP Project 3 (5 Mile and Lindo Channel Diversion Study and Improvements) is a plan that can be completed much more quickly than SWRP 9. SWRP 3 requires study, then adjustment of gates. No extensive channel construction or permitting would be required. SWRP 9 is a large project that includes multiple studies, implementation of which would require significant permitting/design/construction efforts. Yes, the TAC may choose to pull smaller project elements out from SWRP Project 9 for a variety of reasons, including if funding becomes available. It is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2096
78	“SWRP 14 Fair Street Detention Basin Improvement Project.” - This project does not appear to address the input water from the upstream watershed to the Fair Street Detention Basin, including the commercial areas, like Walmart and Kohl’s. This project should address the dry weather runoff from irrigation. Maybe LID can be constructed upstream.	The involvement of the privately owned land is up to the owners to decide. Property owners can be consulted at an appropriate point during project development.	Response adopted at TAC Meeting 4, January 4, 2097
79	“SRWP 15 Parking Lot 4 Rehabilitation #50019.” There may be issues with Parking Lot 5, a similar project – hopefully these design issues will be considered during this design.	It is recommended that this comment be taken into account during preparation of the project description.	Response adopted at TAC Meeting 4, January 4, 2098
80	“SWRP 17 Chapman Mulberry Rain Garden” Will this project only treat the water that falls on this site? There was a broader project that was suggested for the Chapman area. The broader project may be a better project because it includes more elements. Maybe the Chapman area could have multiple demonstration projects implemented.	This project will not treat only water that falls on this site. Curb cuts will allow runoff from the street to enter the site. The projects have already been grouped in a logical manner. For the selection of the three projects for 30% design, the TAC can select individual SWRP Projects, or they can select elements out of SWRP Projects; therefore, it is recommended that the projects not be re-grouped.	Response adopted at TAC Meeting 4, January 4, 2099
81	Smaller implementation projects can be pulled out of the large planning projects?	The TAC can pull small Implementation Projects out from larger Planning Projects.	Response adopted at TAC Meeting 4, January 4, 2100
	Green cell indicates a change is recommended.		

Attachment A

Date: 12-13-17

From: The Stream Team

Subject: SWRP list review

Dear TAC members,

Please find the list below with questions for the TAC regarding the SWRP list. I apologize for the organization of our questions. It has been a difficult process to review the projects with zero facilitation. I did however meet and discuss the list with Natalie (BEC), and we spent 3 hours during that meeting working out some detailed feedback. Many of the comments and requests below stem from those discussions. I am unable to attend the TAC meeting to answer any questions you may have, but please take the time to email me if you can. I will be available by phone as well through December 27th, and would appreciate the opportunity to clarify further my comments and questions.

Respectfully,
Timmarie Hamill
530 342-6620

TAC Request #1: Combine all trash related projects, regardless of whether they include education and trash reduction elements and/or full trash capture devices. **Consolidate "I" to include all trash capture and reduction efforts** - despite City selection of Track 1 without public input - (projects 2, 14, 23, 59, 60, 80, 83).

Category I:
Project I: Trash Reduction Master Plan and Specific Projects, including:
Implement specific trash capture projects at Teichert ponds, Fair Street Detention Basin, and Meyers and Otterson Industrial Parks

Project 2 - Teichert Ponds Improvement Project
Reconstruction of inlet to provide capture of trash, suspended solids, hydrocarbons, etc.
Reconstruction of outlet to Little Chico Creek to provide control, accessibility, and maintainability. Vegetation management to eradicate non-native plants and help manage illegal camping.
SWRP, combined into Q, Trash filtering component combined into I, includes POEI*

Project 14 - Teichert Ponds vegetation, trash and public access
Remove the major invasive plant species: parrot's feather, tree of heaven, Himalayan blackberry, Chinese tallow tree, pyracantha and arundo (1-2 small stands).
The dirt roadway on the north side floods almost every winter. Solve this problem.
Finish removing the chain link fencing around Pond 1 to improve access for invasive plant control and trash cleanup.
Construct a walking trail on the east side of the Ponds to improve public access and reduce undesirable behavior (camping, encroachments by east side neighbors, yard waste dumping). Homeless camping is a major problem here; however, most of the camps are outside of the storm water area so they don 't directly affect the amount of trash going into Little Chico Creek.
Improve trash filtering on major east side storm water inlet and add filter on south inlet.

SWRP, combined into Q, Trash filtering component combined into I, includes POEI*

Project 23 - Trash Capture Devices

Use City's land use map and storm water system map to locate and size trash capture devices. These trash capture devices can be implemented along with other modifications to detention basins, including grassy swales, infiltration trenches, rock infiltration wells, and low flow/dry weather runoff infiltration facilities.

LOW - affordability

HIGH – implementability

TAC Request #2: Please clarify the affordability and implement ability rating. There is no mention of maintenance and upkeep? Is low affordability due to purchase of trash capture devices, or cost of operations and maintenance???

Project 59
"SWRP 4 Routine Community Creek Clean Up Project."
This program includes organizing annual community creek clean up events. The events should include a morning of cleaning litter and trash from the creeks and associated wetland and riparian habitat. After the clean up there should be a community outreach and education event and barbecue.

TAC Request #3: Please combine this project in with the other trash related projects. The following is the response the City provided as to why this relatively small project was pulled out as a separate SWRP (City provide < $2K support), and BEC supports combining this project). "The City currently funds this type of program, and keeping it as a separate program allows it to be evaluated independently of the many other elements that are included in the combined/grouped projects. Keeping it separate allows it to be funded separately from the other aspects of the combined/grouped projects. Affordability is medium because the project represents a reoccurring annual cost"

Project 60 - Fair Street Detention Ponds
Trash Interception at the Fair Street Detention Ponds including BD Ditch Repairs to reduce flooding
SWRP, combined into R, Trash Interception component combined into I, includes POEI*

TAC Request # 4: Please clarify which portions of Project 60 were combined in to "I" or "R" ?

Project 80 PREVIOUSLY PROJECT 28 - Related/Grouped/Consolidated - F,G,H,I,K - Stakeholder/Public Outreach Meeting #2 - July 19, 2017, now listed as 80 (initial project)

Revised City of Chico Long-term Trash Reduction Project
Project elements are mostly incentive and educational and not trash structures: landfill coupons, curbside pick-up of large household items, prescription drugs and hazardous household waste recycling, free yard waste drop off, compost green-waste on-site campaigns, creek clean-ups, monitoring trash levels.

The City has selected Track 1 as their method for meeting the Trash Amendments, and therefore, many of these measures will not be needed to meet the State's Trash Amendment requirements. Projects M, N, O, and Q may include trash capture as an element within those projects, but trash capture is not the focus of those projects. Affordability has been changed to low. Implementability remains medium because the project has many elements, the actions needed to implement the elements will have to be determined, and the elements will have to be prioritized.

- If Track 1, because the City selected Track 1, the SWRP should not exclude all other trash collection methods or education related efforts such as cleanups, trash recycling coupons, education, etc. t
- There was little or no community input in the selection of Track 1 trash amendment method.
- Why was this project dropped since July?

TAC Request #5: Please combine Project 80 in with the other trash related projects.

Project 83 - Teichert Pond Water Quality Improvement Project
Implement trash reduction outreach campaign, trash and water quality surveys, install trash reduction structures in the inlets and outlets associated with Teichert Pond, initiate invasive plant removal projects and replant appropriate natives, initiate a homeless encampment reduction plan, collaborate with existing citizen monitoring to track project effectiveness and to provide related public stormwater education and outreach (target DACs, schools, businesses contributing runoff to Teichert Pond), green job training to assist with project implementation, develop outreach and education plan with roles for interested community organizations, connect bike path, initiate outdoor classroom curriculum linked with project objectives, LID implementation and green streets retrofit to reduce runoff carried to pond, improve wildlife and riparian habitat, recreation opportunities, picnic areas, walking/biking paths, informational signage, etc.
SWRP, combined into Q, Trash reduction structures combined into I, includes POEI*

TAC Request #6: Please include projects mentioned and/or submitted by the public during public meetings on the SWRP list.

People attending the public meetings were asked to provide suggestions of projects. Did those projects get included in the list? For example, I followed up with Robin McCollum, who suggested two projects during the May meeting (and possibly again at the July meeting?): 1) Floodplain Enhancement Project on Little Chico Creek located between Bruce Road and 99, and 2) Sycamore Bypass Remedial Grade Control and Sediment Mitigation Project focused on mimicking natural channel functions to reduce the need for ongoing maintenance.

TAC Request #7: There are only three projects that will be selected for further development (30% designs) for possible Prop 1 funding as part of this SWRP grant project. We would like the TAC to support projects for further development and the 30% designs that include or target the following project types and goals including:

1. Public education and outreach elements included in all three projects selected. Many projects were submitted that included education oriented actions and elements, which could be teased out to fit with any implementation project developed for the 30% design phase and Prop. 1 funding. This would allow the concept ideas provided by the community to be included. The list of elements to include could be flushed out during the evaluation process and further development of the implementation project selected. The specific ed elements included could be based on how they support the City's oveall stormwater efforts, build on the existing and ongoing community efforts that have been initiated through previous stormwater grants and other related ongoing City efforts, and that are appropriate to facilitate public involvement in the implementation project being further developed for Prop. 1 funding. This would not only support our communities values and involvement in the City's stormwater efforts, but would also increase the amount of in-match available to reduce out-of-pocket expenses associated with the project being further developed. It would also increase public awareness of the benefits

of stormwater management and solutions (BMPs). We would like to see the specific ed related concepts included to focus on actual actions citizens can implement (LID implementation demo projects, habitat enhancements and erosion controls (veg work), trash reduction related projects, creek clean-ups, water-wise landscaping etc., and project effectiveness monitoring by existing citizen monitors). The Stream Team and BEC will commit to providing a suggested list of ed-items teased from the concept projects that they believe are related once the TAC selects the 3 projects for further development. They will then facilitate further communications with the public entities interested in providing related ed elements and provide feedback so the consultant and City developing the selected projects can determine which ed-items they believe would be most appropriate.

2. Chapman Mulberry projects (all concept projects that were submitted that are located in this DAC neighborhood should be combined and an evaluation of the suggested concept ideas further developed to the 30% design level including green streets, rain gardens, and other LID demo projects. Projects 85 and 72 combined (and 81, which provided concept ideas that although were presented to target a City-wide approach, could be further developed to target only the Chapman Mulberry neighborhood). There may be others on the list that target that neighborhood that should also be included in the evaluation of their merits and in determining which elements would be best to further develop for a the 30% design phase and Prop. 1 funding cycle. There is a real opportunity here for Prop. 1 funding if the concepts provided in the above mentioned projects (and others as related) were further developed and the objectives combined into a cohesive project targeting the Chapman/Mulberry (DAC) neighborhood. Although the suggested project sites included the “triangle property”, Chapman Elementary neighborhood, Dorothy Johnson Center and Humboldt Park (and adjacent roads, sidewalks, etc), with the City’s help, additional or alternative sites within that neighborhood could be determined. A project of this sort could be developed to specifically target this DAC neighborhood for implementing LID demonstration projects, which could also support the City’s overall stormwater program goals (or a few of the specific goals could be identified that this project could achieve), while also supporting the community groups with the desire and capacity to involve the public in implementing LID demonstration projects. The 30% design level funding could assist in developing specific site plans for 3 different project types including easy curb cuts, and adjacent green street plans to infiltrate street runoff, a rain garden plan for the triangle project, and plans for LID practices (downspout disconnects, rain gardens, bioswlaes, etc) using the Dorothy Johnsen Center / or Humboldt Park (and adjacent street improvements) as the demo site location.

3. Projects hat included opportunities for public involvementenefits the City’s stormwater program goals).Stormwater projects targeting the Big Chico Creek Watershed

- LID Implementation projects
- Sediment / Erosion control projects
- Flood Management
- Trash Capture and Reduction Projects (beyond the Track I requirements)

TAC Request # 8: Inclusion of action based education and outreach in any and all stormwater runoff reduction and water quality improvement projects (cleanups, restoration, LID demonstration/implementation and effectiveness monitoring)

TAC Request #9: Many "Projects" (almost all of the ones we submitted) have been combined into the letter categories as "Plans" although they are not plans at all, and are instead implementation projects. The justification was given that the concept ideas were too vague, and/or too complicated and will require further planning. We believe this grouping was not justified, and that one remedy to this situation could be to include the words "and Implementation Projects" in the letter category titles and descriptions where they have been lumped.

TAC Request #10: We also request that the lumped projects t(hat are not plans) be evaluated as separate projects for further development and for possible selection of the 30% design phase and Prop 1 funding (either individually, or in combination with other projects where combining several project elements would enhance fundability and outcomes). There has been ample time for the consultant and/or the City to discuss ideas the public submitted that they found vague, and or confusing, but we have not received any communications regarding this issue. It was our understanding was that the ideas submitted were concept ideas only, and there was not format suggested on length of project description of breadth of activities suggested, and apologize for the long list of ideas, but contest the ideas should now be lumped as plans. We would appreciate that the merits of the conceptual ideas be evaluated. There are many elements that can be easily implemented and others that could be lumped, but lumping all of the projects does not seem fair.

TAC Request # 11:
Specific projects that we believe should not be lumped as plans and could either be combined with other stand-alone SWRP projects and/or listed as a separate SWRP project include:

Projects 80 combined with Project 85 (projects are definitely related and would enhance outcomes and the entities have expressed willingness to combine and/or partner in targeting LID implementation projects for the Chapman neighborhood).

Project 74 combined with Project 20 combined

remove all of the project details, which were intended to be concept ideas that we included in most of our suggested project ideas, and instead focus on the title of the project , "CAL Park Green Streets Project," which indicates what the main focus of the concept project and location referred too, and could be further developed along with Project 20 to target Cal Park.

Project 78 Landscape Water Conservation and Pesticide Reduction Project

The concept project idea contained a long list of project ideas. Please evaluate the project based on the merits of the ideas suggested and refer to the title for the overall concept idea for a better understanding of the intent of the project, which was to develop a project to reduce landscape irrigation and pesticide runoff form occurring. With a little bit of discussion, exact locations and target neighborhoods could be easily identified, and demo projects constructed to train residents and others (landscapers) of the practices they can implement to reduce runoff pollution. Dry weather outfall monitoring supports the need for reducing landscape runoff. The affordability should be ranked High (cheap) and implementability as low (very feasible) based on developing projects that do not require huge engineering or construction budgets. An example of a similar project was recently constructed at LID demo projects such as the 16th and D (funded

through Prop 84). The smallness or expansiveness of the ideas presented should be discussed and further evaluated before lumping the entire idea as a plan.

Below is a summary of the concept project ideas we believe should be evaluated:

- Implement LID demo projects in neighborhood types (type refers to drainage issue- Ceres has shallow water table, etc, but there are definite issues that are specific to certain neighborhoods which could be targeted and selected based on known problem areas throughout the City) to provide training opportunities and replicable examples for neighbors to mimic. Target LID methods that best reduce pesticide and landscape irrigation runoff.
- Implement LID demonstration and Green Streets projects targeting City-owned properties and median and sidewalk strips, roadway curb cuts to vegetated plots and infiltration trenches, pervious sidewalks and gutter pans, downspout disconnects to cisterns for recycling and use by community gardens, integrate safe walking and biking transportation pathways into LID project designs, etc.
- Implement "Green Jobs in Your Community" Training Program coordinating with existing work training programs (CCC's, CAVE) and utilize hands-on training workshops to implement LID project elements to save costs.
- Include pesticide and overwatering campaigns targeting DACs and implementation of LID demo projects.
- Develop a Waterwise and Habitat "River Friendly Landscape Guide" specific to Butte County including the following principles: install local native species, nurture the soil (compost on site), reduce yard waste to landfill, conserve water, conserve energy, protect water quality (decrease pesticide use), and create wildlife habitat.
- Implement a Rainscapes Reward - Incentive program to provide rebates implementing green infrastructure and turf removal projects to capture and treat stormwater onsite.
- Update or integrate existing creek-side and street tree handbooks.
- Link existing citizen monitoring and stormwater / watershed protection efforts with City Stormwater Management Program objectives to facilitate public involvement, leverage previous State funding for stormwater projects and programs, utilize existing baseline water quality data, and empower continued community group involvement by ensuring they have a role in assisting with outreach and education, project implementation, and project effectiveness monitoring. These groups represent key-stakeholders and can facilitate their involvement to improve overall project outcomes.

<u>Project 71 and 26</u> combined (the project elements do not require permits and if selected for further development could be deemed fundable by Prop 1.) We believe it would be feasible for the City and Parks Department to select one or more exact locations for further developing including at least one of the stormwater related concept ideas presented in this project and including the ed outreach related ideas.

Here is a summary of the laundry list of conceptual elements we included that could be further developed targeting work in Bidwell Park for stormwater related projects: 1)

Natural drainage improvement and enhancing the capacity of natural drainage areas to improve stormwater infiltration (conceptual idea was based on the Prop 84 crister bioaswale and lost park improvements that did not require permits and were implemented relatively cheaply); 2) Enhance the capacity of natural drainage channels carrying stormwater runoff to waterways to improve infiltration and reduce erosion and the pollutants carried with the sediment ending up in the creek by removing invasive plants, installing natives, removing debris and deposition, and repairing or resizing culverts (under walking pathways) Concept project idea based on Prop 84 Crister Bioswale and Lost Park projects that did not require permits and were implemented cheaply; 3) Reduce bank erosion where intensive recreational uses (and fallen trees in channel) are causing erosion and sedimentation (rope swing swim areas, bike jumps, creek crossings). Install signage to inform the public about the impacts of their actions on water quality. 4) Improve public transport pathways. Repair walking and biking trails, and dirt roads adjacent or near waterways to reduce erosion; 5) Green job training targeting DACs and CCC's. Integrate training workshops and work sessions to assist with implementing project elements to reduce costs and provide hands-on learning to improve employment opportunities. Include CAVE/ Team Team/Nature Center/CSU Chico internship collaboration program; 6) ~~Trash reduction structures (full and partial capture)~~ and trash reduction outreach campaigns; 6) Community engagement and stormwater education. LID demonstration projects will target participation and benefits for DACs, tribes, schools, existing community stormwater efforts, and the City's Park volunteer program; 7) Opportunities for the public to participate in LID design, implementation and effectiveness monitoring will be provided. Include park volunteer/stormwater outreach coordinator position; 8) Stormwater Education. Combine Clean Water Science Ambassador and Clean Creeks in the Classroom efforts to offer outdoor stormwater education classrooms (STEM and NGSS curriculum) in parks and greenways located within walking distance of most schools.

TAC Request # 12: Separate Projects and Plans included in M - **BIG CHICO CREEK** and evaluate each separately even if still grouped as M. Also, please select project group M for 30% development and select projects for further development based on the evaluation of the projects that were lumped. **Need TO IDENTIFY GOALS AND OBJECTIVES ^^^^ TO GROUP and evaluate grouped PROJECTS, right?**

Below is a summary of the projects lumped into category M: Brown are plans and green are projects, and questions are in yellow.

PLAN
PROJECT
TAC Question in Yellow

Project 1 - 21st Century - Management Program: Big Chico Creek and Mud Creek Watershed.

The proposed project is to develop and implement a multifaceted, holistic program to manage the flood protection system of diversions
and levees from Five Mile Recreation Area in Chico to the Sacramento River.

Project 4 - Big Chico Creek bank erosion
The creek bank just a few feet away from CARD's water well on BCC at Hooker Oak Park is eroding. A solution for this problem has been designed; implementation could be part of a future storm water grant application.
SWRP, combined into M, includes POEI*

- Is this a maintenance project, resulting from pumping? Are maintenance projects eligible for Prop 1 funding?

Project 5 -Big Chico Creek storm water detention
Create a storm water detention area in Lower Bidwell Park just west of the east most parking area off Peterson Memorial Drive. This area has previously flooded (i.e. Scout's Island) and has the capacity to occasionally detain enough water to reduce downstream flooding without affecting any major infrastructure such as Petersen Dr. Consider making a small detention basin on the right (north) bank of BCC just downstream of the Vallombrosa Bridge. This is part of the city-owned Lost Park area. Currently several north side properties closer to the Esplanade Bridge as well as the south side of Lost Park experience flood water conditions during high water events. ***Correcting a scour problem at Big Chico Creek's Vallombrosa Bridge is listed in the city's Capital Projects plan***. Incorporate this fix into a grant proposal as an in-kind match.
SWRP, combined into M

Project 8 - Lindo Channel Infiltration enhancement
Use the city-owned area of upstream of the Madrone bike bridge for storm water infiltration
SWRP, combined into M,includes POEI*

Project 9 - Lindo Channel nonpoint pollution
Re-do access **roads** into to channel to make it easier to haul out debris from homeless camp cleanups. Identify areas where camping and associated camp cleanups regularly occur and develop and implement solutions to reduce camping at those locations (e.g. elevating vegetation, regular monitoring, etc.).
Add **trash filter** at Chico Nut storm water drain
Add **bioswales** to storm water outlets from Manzanita to Esplanade, where stream channel is wide enough to accommodate.
SWRP, combined into M, includes POEI*

Project 12 - Mitigating new impacts to Sycamore Bypass
There are several large new residential subdivisions to the south of Sycamore Bypass. Improve outdoor recreational opportunities for these residents by completing the planned bike path along the Bypass to connect to the Floral Ave bike path and by creating well designed paths into the Bypass area (instead of letting each user create his/her own path). Provide educational signage and materials to the homeowners associations to discourage yard waste and trash dumping into the Bypass.
SWRP, combined into M, includes POEI*

- Is this a water quality project? - “Provide educational signage and materials to the homeowners associations to discourage yard waste and trash dumping into the Bypass.” - to Project I (POEI)

Project 19 - Grassy Swale in Bidwell Park
Install grassy swale in Bidwell Park to provide natural treatment and some minor detention, along with infiltration
SWRP, combined into M, includes POEI*

- Multiple opportunities throughout bidwell park to enhance stormwater treatment and infiltration using swales, and other strategies without the need for permits.

Project 41 - Improve Lindo Channel
Remove vegetation, debris, rock, silt, repair outfalls, and reestablish channel capacity to reduce flooding and erosion of public infrastructure. Include a bikeway to increase public open space.
SWRP, combined into M, includes POEI*

Project 45 - Big Chico Creek and Lindo Channel Diversions Study and Improvements

Project 46 - Lindo Channel Management Plan

Project 48 - Sycamore and Mud Creek Flood Control
A combination of sediment and vegetation management projects are needed at various locations throughout Mud and Sycamore Creeks to maintain the existing design capacity of the system: the construction of grade control structures would in theory stabilize the slope of the channel upstream of Cohasset Road and downstream of the Diversion Channel.
Project 50 - Early Flood Warning System

Project 52 - Upper Watershed
-
Project 53 - Urban Riparian Restoration
Community Creek Cleanups
Annual Bidwell Park and Chico Creeks Cleanup (September)
Regular neighborhood cleanups
Invasive species removal (i.e. Arundo) in Little Chico Creek.
Removal of anadromous fish migration blockages (i.e.. rouge dams but
SWRP, combined into M, includes POEI*

Project 54 - Big Chico Creek West of Nord Ave.
-
Project 55 - Erosion Management/Prevention

Project 64 - Upper Park Road Improvements - Erosion Control

Project 70 - Lindo Channel Stormwater Infiltration and Floodplain Enhancement Project - need to separate projects concepts from plan

1) Floodplain restoration

2) Enhance storm drain system
a) Repair damaged outfalls: Add bioswale areas below outfalls: Re-grade / realign outfalls: Install trash reduction structures: target "hot spots" (Mangrove to Esplanade),
3) Reduce homeless encampments b) Schedule regular creek clean-up
4) Reduce urban landscape irrigation runoff

5) Enhance Recreational Opportunities -

6) Project Effectiveness Monitoring -

Project 75 - Revised Chico State University LID Implementation and Stream Habitat Enhancement Project
Implement green infrastructure, remove invasive plants, plant native species, bioswales for stormwater treatment, stream bank stabilization and reduce bank erosion, restore floodplain functions, improve walking and biking trails, implement green jobs training, trash reduction structures, outreach and education. See attachment for more details.
SWRP, combined into M, includes POEI*

Project 76 - Revised Little Chico Creek, Lindo Channel, Mud/Rock Creek Arundo/Broom Removal and LID Implementation Project

Project 79 - Revised Five Mile, Lindo Channel, and Sycamore Flood Diversion Stormwater Treatment and Habitat Enhancement Project

Project A - Big Chico Creek and Mud Creek Watershed Wide Flood Control, Urban Drainage, Habitat, Public Open Space/Recreation Management Plan
The proposed project is to develop and implement a multifaceted, holistic program to -
Manage gravel deposition at Five Mile and assure proper gravel migration downstream.
- - Identify and correct erosion problems.
- Install flow gages throughout creek (particularly in the upper watershed) to improve upon the availability and reliability of real-time

Project D - Creek Bank and Bed Stabilization Plan and Specific Projects,

Project E - Homeless Camping Reduction Program
Develop a program (or continue and improve current efforts) to help reduce storm water impacts from homeless encampment along
creek, detention basins, bridges, and other areas where water quality is impacted.
SWRP, combined into M, N, O, P, and Q

Project K - Habitat Improvement Plan and Specific Projects
Develop a Habitat Improvement Plan and Specific Projects, including:
- Remove invasive yellow flag iris from Comanche Creek
- Arundo removal from Little Chico Creek (develop a management plan and conduct

---

TAC Request # 13: Project 33 Mud Rock Creek Reclamation Project
Affordability could be high (cheap), depending on the concept idea elements selected for further development. Implementability could also be High (easy) depending on the concept ideas selected for further development. I believe it would be prudent to contact Rock Creek

Reclamation District, DWR, or the County to determine if there are any feasible projects that could be further developed in the Rock Mud areas. The Rock Creek Reclamation District is focusing their work from Hwy 99- to the river implementing 1-sides levee projects diverting water from Nord, and redirects to lands in specific areas so landowners can grade their lands accordingly to reduce flooding issues. County is working on a flood control study for Nord (County, DWR, FEMA study), and a study upstream including Keefir Rd. developments, which could easily benefit from simple small LID projects. Keefir slough and the capacity to infilatrate flood waters could be enhanced. County and DWR have a project to study flood protection needs including Haggenridge Rd and the bifurcation of Keefir slough and rock.

TAC Request #14: Project 44 clarification on "SWRP 3 5 Mile and Lindo Channel Diversion Study and Improvements"

- Are there any planned modification of channel gravels, soils, or other depositions affecting current flows to the diversion gates? If so, permitting may be required, impacting the project's affordability and implementability

---

TAC Request #15: Please re-evaluate the current ranking (affordability, implementabiliy) on the projects we submitted (I will need help from the City, consultant or TAC to be sure the project numbers we submitted are identified for this purpose, as the list is confusing and I am unable to ensure I can find all of the project numbers). As we have tried to express, the projects are conceptual ideas, and the Project titles best describe the intent for ranking purposes. Project locations if missing need feedback from City for example on exact locations the City would support implementing projects in Bidwell Park, in City neighborhoods, and streets. We have not been contacted by anyone to clarify ideas we presented that were deemed vague, or to discuss exact locations, which we thought would occur. This may sound like an excuse, that I have been unable to provide feedback in a more meaningful way, but the process has not included any facilitation or discussion of the specific ideas of most projects that have been submitted, and instead we have been provided with lists to evaluate, which has been difficult.

Attachment B

Attachment B

Project Proponent

CA Urban Streams Alliance-The Stream Team

Potential Partners

City of Chico, Park Watch, SWRCB CWT, CSU Chico, Butte and Tehama Counties, BCAG, River Partners, FOBP, BEC, school districts (CUSD/BCOE), Waterkeepers Alliance, Cal Park Homeowners Association, CHIP, Habitat for Humanity, Love Chapman, Market For Green Infrastructure, CA State Parks, Forest Ranch, Butte Meadows, SPI, Forest Service, Mechoopda, Mosquito Abatement, Health clubs, Community Event Coordinators, Utilities, Calwater, and others.

Project Title

Bidwell Park and Greenway Integrated Stormwater, Ground Water Recharge, and Recycled Water Project

Project Description

The proposed Project (Project) will implement Low Impact Development (LID) practices designed to improve the capacity of natural drainage areas to reduce urban runoff from entering Chico's Creeks and ultimately the Sacramento River.

The proposed Project will integrate LID practices into park management practices, and park infrastructure design standards to assist the City in meeting State-mandated Municipal Stormwater Permit (MS4) requirements. In addition, the Project will encourage collaborations among existing stormwater protection efforts, and neighboring MS4 entities (i.e. CSU Chico, Chico Unified School District, and other local jurisdictions) seeking to align individual stormwater program objectives, share resources, develop consistent public messaging, and identify cost-saving opportunities.

Stormwater management, groundwater recharge and recycled water projects integrated into Bidwell Park and other greenway management efforts will provide a multi-benefit clean water project that will improve water quality while also restoring natural resources. Natural channels, riparian habitat and intermittent wetlands (including benefits for endemic Vernal Pools) will be enhanced or established to improve opportunities for integrated stormwater management with multi-benefit outcomes.

Goals and Objectives

The Project's goals are to maintain and restore pre-development hydrology at Project sites and improve water quality in the Sacramento River by managing urban runoff at its source.

Project objectives will:

Summary of Comments on Bidwell Park and Greenway LID Implementation and Groundwater Re charge Project

Page: 1

Number: 1 Author: nmuradian Subject: Text Box Date: 12/21/2017 9:29:52 AM

Attachment B

Number: 2 Author: dmoore Subject: Comment on Text Date: 8/3/2017 10:42:59 AM -07'00'

Have any of these potential partners been contacted? Have any agreed to partner on this project? Will they help fund this project. It would be a much stronger if you can say which have actually agreed to be partners and contribute capital and/or O&M funding.

Number: 3 Author: dmoore Subject: Comment on Text Date: 8/3/2017 4:17:50 PM -07'00'

To me this sounds like three projects, each of which is a large undertaking in and of itself. For example, a meaningful recycled water project includes major modifications of the City's wastewater treatment plant, revisions to the City's wastewater permit, major new piping throughout the City, and a financial evaluation to determine if the capital and O&M investments are appropriate. Implementing recycled water is a huge effort. What does groundwater recharge mean in this project? Does it mean construction of permanent pools of water within the park? Is is just a benefit for grassy swales at the storm drain outles?

Number: 4 Author: dmoore Subject: Comment on Text Date: 8/3/2017 4:42:52 PM -07'00'

This is vague. It will require preparation of a "Park Water Quality Plan" or a Park LID Plan. Somehow it has to be determined where LID practices will be implemented. Perhaps the project should be "Prepare a Bidwell Park Water Quality Plan" that will identify specific parking lots that could be retrofit to runoff into a grassy swales and will identify specific storm drains that could be day-lighted. Or even better identify three specific parking lots and three specific storm drains.

Number: 5 Author: dmoore Subject: Comment on Text Date: 8/3/2017 4:19:10 PM -07'00'

This could be a single project by itself to revise City's standards to include LID in park management and design standards.

Number: 6 Author: dmoore Subject: Comment on Text Date: 8/3/2017 4:21:39 PM -07'00'

This is vague. How are these activities encouraged. What specific things will be done. A project needs to be specific enough that a person could reasonably know what is to be done to implement the project.

Number: 7 Author: dmoore Subject: Comment on Text Date: 8/3/2017 4:26:08 PM -07'00'

These are benefits of implementation of project elements. But again, this does not describe a specific project.

- Integrate LID practices into Bidwell Park and Greenway drainage improvement projects to demonstrate and educate to the community the importance of stormwater management and the benefits of LID-based solutions.
- Reduce stormwater volume and pollutant loading in stormwater runoff.
- Implement LID project objectives to satisfy MS4 permit requirements.
- Leverage City funds allocated for scheduled maintenance and repair to integrate LID practices that would not otherwise be possible.
- Conduct public outreach and training that raises understanding of sources of runoff pollution and use of BMPs to prevent water pollution targeting City staff, DACs, schools, and neighboring MS4 entities. This effort will also compliment and assist the City's Park volunteer efforts in leading public work sessions to enhance habitat and park infrastructure.
- Link existing citizen monitoring and storm water efforts with City Stormwater Management objectives to facilitate public involvement, leverage previous State funding, and utilize existing baseline water quality data.
- Improve public health and reduce obesity.
- Improve employment opportunities.
- Improve fish and wildlife and vernal pool and wetland habitat.

Purpose and Need:

The water quality in Chico's Creeks continues to decline as a result of urban development and increasing stormwater runoff. Known constituents of concern include trash, nutrients, fecal bacteria, household chemicals, pesticides and herbicides, oil, grease, and other hydrocarbons, heavy metals, mercury, and landscape irrigation runoff.

Sources of stormwater contamination are directly related to urbanization and the large percentage of urban land covered with impervious surfaces (roads, sidewalks, driveways, and parking lots), which have caused increased volume and velocity of surface runoff. Applying the methodology for calculating impervious surface coefficients, 23% of Chico's 21,000 acres are paved (OEHHA, 2010). The Center for Watershed Protection (2003) assumes stream water quality declines when impervious surfaces exceed ten percent. Thirteen years of monthly watershed assessment data exists for Big Chico Creek supporting this claim, indicating aquatic invertebrate species decline, and elevated bacteria, turbidity, temperature, and trash levels.

Project Elements (Capture-Retention)

1) Storm drain improvement. Retrofit storm drains with pervious pipe, move outfalls away from the creek and install bioswails to allow a portion of the runoff to leach into the ground prior to reaching waterways. Currently most outfalls empty runoff directly into the creeks at the banks edge without no pretreatment.
2) Natural drainage improvement. Enhance the capacity of natural drainage channels carrying stormwater runoff to waterways to improve infiltration and reduce erosion and the pollutants carried with the sediment ending up in the

Page: 2

Number: 1 Author: dmoore Subject: Comment on Text Date: 8/3/2017 4:44:18 PM -07'00'
Be specific, how will this be done? For example will signs be added at the parking lots and swales?

Number: 2 Author: dmoore Subject: Comment on Text Date: 8/4/2017 2:06:09 PM -07'00'
Unless the City has agreed to use its funds for this project, this text should be deleted. It is inappropriate to assume financial support.

Number: 3 Author: dmoore Subject: Comment on Text Date: 8/3/2017 4:47:21 PM -07'00'
This sounds like a complete second project or program.

Number: 4 Author: dmoore Subject: Comment on Text Date: 8/3/2017 4:49:39 PM -07'00'
Tis sounds like a complete third project or program. If this project was sponsored and selected for implementation, what would the implementing agency do? Would they work toward planning and constructing LID in bidwell parks? Would they work toward outreach and training? Would they work toward water quality monitoring?

Number: 5 Author: dmoore Subject: Comment on Text Date: 8/3/2017 4:50:41 PM -07'00'
If this is listed as a benefit, how would it actually be accomplished the the elements of the project?

Number: 6 Author: dmoore Subject: Comment on Text Date: 8/3/2017 4:56:30 PM -07'00'
Again, how wold this actually be accomplished? Would it be short term construction jobs? Would it require the City to add a new staff position? Would it require the City to add a new staff position to manage the outreach and monitoring?

Number: 7 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:08:01 PM -07'00'
This is good. It helps provide the justification of for implementing LID project in Bidwell Park.

Number: 8 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:14:04 PM -07'00'
"Enhance the capacity" seems introduce another major project goal of enlarging natural channels to improve conveyance capacity. Is this a flood control project. This requires extensive engineering to determine how large channels need to be to achieve the correct design capacity.

creek, by removing invasive plants, installing natives, removing debris and deposition, and repairing or resizing culverts.

3) Reduce bank erosion. Repair and stabilize creek banks where intensive recreational uses (and fallen trees in channel) are causing erosion and sedimentation (rope swing swim areas, bike jumps, creek crossings). Install signage to inform the public about the impacts of their actions on water quality.
4) Improve public transport pathways. Repair walking and biking trails, and dirt roads adjacent or near waterways to reduce erosion.
5) Green job training targeting DACs and CCC's. Integrate training workshops and work sessions to assist with implementing project elements to reduce costs and provide hands-on learning to improve employment opportunities. Include CAVE/ Team Team/Nature Center/CSU Chico internship collaboration program.
6) Trash reduction structures (full and partial capture) and outreach campaigns.
7) Community engagement and stormwater education. LID demonstration projects will target participation and benefits for DACs, tribes, schools, existing community stormwater efforts, and the City's Park volunteer program. Opportunities for the public to participate in LID design, implementation and effectiveness monitoring will be provided. Include park volunteer/stormwater outreach coordinator position.
8) Stormwater Education. Combine Clean Water Science Ambassador and Clean Creeks in the Classroom efforts to offer outdoor stormwater education classrooms (STEM and NGSS curriculum) in parks and greenways located within walking distance of most schools.
9) Implement a Stormwater Outreach and Education Plan that identifies a role for existing community groups involved in stormwater and watershed protection efforts. Link this plan with the City's stormwater program goals and utilize these groups to provide public outreach and education, stormwater education in schools (combine the efforts of the Clean Creeks in the Classroom and Clean Water Science Ambassador programs), public involvement in LID project implementation, and to track project effectiveness. Include a long-term budget plan to continue these efforts beyond this project including enumeration of community Match hours generated by community groups that can be associated to the City's stormwater protection efforts.

Treatment Volumes

The Project will implement LID practices to treat and/or reduce stormwater runoff originating from both residential, commercial, and park landscapes.

The approximate quantity and origin of the stormwater flows to be treated and/or captured by each Project Area is estimated in the following Table*.

Project Element	Runoff Source	Contributing Runoff Area	Treatment Area	Volume Treated
Storm drain and improvements	Parking lots, streets, sidewalks, residential,	400 acres	TBD	80%

Page: 3

Number: 1 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:17:33 PM -07'00'
This sounds like another entire projects and program. Again, this would be a major project by itself. It would require evaluations of where do you remove invasive plants first, where do you install native plans first, what debris. This all could require years to permit and implement. It is an entire project/program by itself.

Number: 2 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:18:57 PM -07'00'
Yet again, this is an entire program by itself. Could be linked with the item directly above.

Number: 3 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:19:30 PM -07'00'
Yet again, this is an entire program by itself.

Number: 4 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:20:40 PM -07'00'
Again, job training is an entire program by itself, and is not a function the City would lead. Who would be the sponsor?

Number: 5 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:24:09 PM -07'00'
Again, trash reduction is an entire project/program by itself, and it will require preparation of an entire plan by the City to determine where to implement trash capture, what facilities to construct, when to construct, etc. Implementing trash capture is very complex and will require time to develop the right approach. If you have a few specific locations in mind, submit them as a separate initial project, but be specific and don't include lots of other project elements.

Number: 6 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:25:10 PM -07'00'
See comments above. This is vague and does not describe specific items that can be done.

Number: 7 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:26:39 PM -07'00'
I think the classroom education could be an entire program by itself.

	commercial, dirt roads and trails			
Improve natural drainage channels	Parking lots, streets, sidewalks, residential, commercial, dirt roads and trails	100 acres	TBD	80%
Reduce bank erosion	Parking lots, streets, sidewalks, residential, commercial, dirt roads and trails	20 miles	TBD	80%
Improve Public transport pathways	Parking lots, streets, sidewalks, residential, commercial, dirt roads and trails	20 miles	TBD	80%
Green Jobs	Parking lots, streets, sidewalks, residential, commercial, dirt roads and trails	Entire watersheds	TBD	80%
Trash reduction	Parking lots, streets, sidewalks, residential, commercial, dirt roads and trails	Entire watersheds	TBD	80%
Community engagement	Parking lots, streets, sidewalks, residential, commercial, dirt roads and trails	Entire Watersheds	TBD	80%
STEM and Stormwater outdoor classroom	Parking lots, streets, sidewalks, residential, commercial, dirt roads and trails	Entire Watersheds	TBD	80%

* Drainage areas and treatment volumes will be calculated using the equations recommended in the California Storm Water Best Management Practices Handbook and SWRCB LID Sizing Tool for determining the unit basin storage volume to achieve 80 percent or more volume treatment

Project Location

- Projects are located in Bidwell Park and Greenways within the Big Chico Creek, Little Chico Creek and Comanche Creek drainage basins.
- Projects target DAC neighborhoods and schools.
- Demo project locations selected to provide high visibility for public and Green Job training.
- Locations selected to target hot spots for erosion/trash

Project Approach

Implement LID practices to retain as much stormwater as possible on site, disconnect stormwater collections systems by providing setbacks for outfalls to provide infiltration/treatment opportunities (pervious pipe, bioswales) prior to delivering runoff to receiving waters. In addition, LID practices with multiple benefits including preventing erosion and nutrient runoff to improve aquatic habitat, recreation, employment training targeting DACs, public health, public education, transport pathways, etc will be included. Consideration regarding the relative ease of integrating the various LID practices into existing park landscapes and infrastructure, and targeting benefits for DACs will also be considered.

The Project will implement the following LID practices: pervious pavements and sidewalks, bioswales, vegetated trenches, infiltration leach fields, habitat restoration, dirt road and trail improvements, and restore riparian habitat and stream channel functions to reduce runoff pollution.

Cost comparisons, and long-term maintenance issues will also be considered, and appropriate LID practices determined to be best suited for the Chico area.

Specific Project site locations will be determined based on reviewing illicit discharge information noted in the City's outfall survey reports, soils maps, information gathered during visual site inspections, consultations with City staff, feasibility of implementing LID practices to significantly reduce runoff and pollutant loading, the proximity to an urban waterway and disadvantaged neighborhood and schools, and the appropriateness of the site location to serve as a demo or LID educational tool for training the public, City staff, and for Green Jobs employment training.

Other Outcomes:

- Reduced flooding
- Increased groundwater recharge
- Increased stormwater capture, treatment, and reuse
- Improved public health
- Increased employment opportunities
- Increased public understanding of benefits of stormwater management and LIDs
- Increased opportunities for schools and stormwater education
- Increased public walking and biking transport pathways (public health)
- Improved natural habitat (endangered fish and wildlife, vernal pools, oak woodlands, wetlands, springs, seeps)
- Reduced trash and other runoff pollutants
- Increased collaborations amongst community groups and City in stormwater management
- Improved water quality
- Improved Water Supply

More Implementation project ideas:

- Reduce flooding by reconnecting floodplains (Similar to Verbena Fields project).
- Improve storm drain conveyance system by moving outfalls away from creek

Page: 5

Number: 1 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:31:41 PM -07'00'
These are all great goals, but they do not define a specific project.

Number: 2 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:36:25 PM -07'00'
These are great goals, but nothing is specific. It starts to sound like "Do everything, and do it everywhere." A person tasked with implementing this submitted project would not know where to spend their energy or what their specific goal is.

Number: 3 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:37:24 PM -07'00'
Again, this seems to say "Do everything and do it everywhere"

Number: 4 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:44:59 PM -07'00'
All of these are great ideas, but make the project so diverse that it is not a single project is actually many projects and programs. Ask yourself, "does this project submittal provide enough specific guidance that a person could know how to implement it?

banks and “day-lighting” sections through detention swales, wetlands and pervious pipe.

- Capture or redirecting runoff from park buildings, roads, and other infrastructure to park landscaping.
- Reduce erosion from bike and walking paths by decommissioning or repairing trails adjacent to waterways.
- Replace culverts blocking runoff infiltration pathways to reduce nuisance water, pathogens and nutrient loading in receiving waters to meet TMDL requirements.
- Enhance or restore wetland areas, seeps and springs, to treat runoff. Also, runoff through meadows making connections to vernal pools. Improve Oak woodland regeneration by removing turf so trees are not being watered during summer months or move trails so they are not being trampled.
- Implement City-wide (or county-wide) trash reduction plan (install full and partial capture structures, and implement ed/outreach campaign targeting homeless camps, public parks, events and centers (require use of recycled materials and reusable water bottle filling stations).
- Install water bottle filling stations in parks, and baseball/soccer fields.
- Expand outdoor learning opportunities for schools by identifying and improving infrastructure for outdoor learning classrooms (beyond the nature center). Link objectives of Clean Water Ambassador Program, Clean Creeks in the Classroom, Adopt-a-Picnic-Spot programs to include focused and collaborative stormwater education utilizing parks as outdoor classrooms.
- Provide checklists and training for Park Watch, Stream Team, and other park volunteers to document trash hot-spots, and wet weather trail and road erosion (modeled on the Urban Tides Initiative program in SoCal, and SWRCB CWT rapid trash assessment methodology).
- Increase volunteer workforce opportunities to remove invasive plants and plant natives and to implement and maintain stormwater treatment project areas.
- Also integrate Stream Team’s rapid trash assessment.
- Integrate Green Jobs training utilizing existing community stormwater groups to train volunteers in LID implementation and maintenance practices (and project effectiveness monitoring).
- Utilize CCC’s, target DACs, and integrate Clean Water Business Partners and other existing stormwater training programs into Green Jobs training project. Utilize stormwater treatment project areas as training tools to provide hands-on learning work sessions and training events to improve employment opportunities and reduce project implementation costs.
- Improve and add trails to connect transportation corridors between downtown areas and schools to encourage safe walking and biking pathways between residential neighborhoods and commercial downtown areas including integrating sitting areas for relaxing in nature (improved public health).
- Repair vita-health exercise circuit in park, and host events and provide maps to highlight use of this public health improvement infrastructure. Coordinate with Health Clubs to expand use and offer Yoga, running races, etc.
- Reduce pesticide and landscape overwatering by targeting LID workshops for DAC neighborhoods and schools and offer tours and training for them to learn

about stormwater projects in the parks. Training will include practices they can implement on their own residential landscapes.

- Reduce runoff pollution by installing stormwater treatment bioswales, wetlands, and LID practices throughout parks and greenways to capture, reuse, and treat runoff.
- Reduce pathogens in runoff by implementing LID practices in park and greenways to protect beneficial uses of receiving waters for water recreation (swimming).

Consistent project plans

The Project will assist the City in addressing eight key elements of the City's 2013 MS4 permit, including: E.7, E.8, E.8, E.9, E.10, E.11, E.13, E.15

1) The City of Chico has an updated General Plan that (BMP) Manual. Through this project LID practices and design standards that are most cost-effective will be integrated into BMP Manual and any pertinent stormwater ordinances.

2) The City of Chico Climate Action Plan includes elements to protect water quality and conserve energy and includes LID practices.

3) An existing citizen-monitoring program maintains 13 years of baseline water quality data including, habitat, and bioassessment data. Data monitoring stations are also located appropriately to detect improving water quality associated with implementing LID practices implemented through this Project.

4) Soils maps, and building plans are available for each Project site, which can be used to confirm existing site conditions and selection of appropriate LID practices.

5) The City has urban forest plan being developed, which will reduce greenhouse gas emissions.

Additional relative plans

City Plans: General Plan, MS4 Permit, BMP Handbook/Best Practices Manual, Keep Chico Clean and Storm Water Management and Education Plan, Post Construction Standards Plan, Erosion and Sediment Control Plan, Economic Development Plan Residential and Green Building Codes, Parkway, Parkstrip Conversion Guidelines, Park volunteer program, neighborhood plans (chapman/mulberry, etc), medical waste and disposal plan, leaf pickup and compost program, Chico Tree Guide, Street Tree Municipal Code, Tree Preservation regulations and standards, Neighborhood Planting Lists, Bidwell Park Master Management Plan and EIR, Don't Plant a Pest, Sustainable indicators report, Sustainability/Climate Action Plan, Urban Forest Plan, and others.

State Plans: SWAMP, NSV IRWM, Water Efficient Landscape Ordinance (AB 1881), CA Green Infrastructure Plan, California Water Code, Prop. 1, and more.

Page: 7

Number: 1 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:47:37 PM -07'00'

Again, this could be a project by itself, called "Update City standards and Regulations to include and promote storm water protection and LID"

Number: 2 Author: dmoore Subject: Comment on Text Date: 8/3/2017 5:50:03 PM -07'00'

Again, this seems to introduce an entire now program. The City could prepare an entire City -Wide master plan on how to reduce greenhouse gasses. IT could occupy one or two full time City staff. Implementation could cost millions of dollars.

Federal Plans: Clean Water Act and all related plans.

Attachment C

Outreach for Stakeholder Meeting #1

1. Chico News and Review Ad – Ran from 5/11 – 5/17
2. Chico ER Ad – Ran on 5/10
3. Website – City of Chico Home Page, Specific SWRP Page, and Storm Water Management Page
4. Website – Meeting and link to SWRP page on Keepchicoclean.org home page
5. Flyers – City Hall, Butte County Library – Chico, CARD – Posted 5/8
6. Emails – Stakeholder List
7. Email – Love Chapman Group, Butte Housing Authority
8. E-Flyer – Chico Unified School District – Sent out to all registered parents of the school system (5/13/17)
9. Facebook – City of Chico Public Works Page - Posted on 5/5/17, Pinned to the top of the Facebook page on 6/13 (should be there until we tell him to unpin it)
10. Flyers translated to Hmong and Spanish
11. Hmong and Spanish translators available at meeting as well as whisper mikes.
12. Handed out flyers at the Saturday Morning Farmer's Market and the Thursday Night Market (5/13 and 5/11).
13. KRCR Community Events Calendar – Added to the Calendar to be on TV.

Outreach for Stakeholder Meeting #2 – July 19th, 2017

1. Press Release – 6/27/17 – Sent to All-City Emails, All- City Council, Media – Chico Enterprise Record, Chico News & Review, KPAY/KHSL Radio, KNVN/KHSL TV, KALF/KFMF, KIXE/KCHO, KZFR, KBQB/KCEQ/KRQR/KTHU, and KRCR TV.
2. Chico News and Review insert article – July 13 – July 20, 2017 (pg. 12)
3. Chico News and Review Calendar Submittal – 6/26/17
4. Chico ER Article – 6/29/17
5. Website – City of Chico - Home Page, Specific SWRP Page, and Storm Water Management Page – Posted 6/16/17
6. Website – Keepchicoclean.org – Meeting and link to SWRP on website home page – 6/16/17
7. Flyers – City Hall, Butte County Library, Chico Natural Foods, S&S Produce – Posted 7/5/17
8. Emails – Stakeholder/Public List – 'tfossum@buttecounty.net'; rperrelli@csuchico.edu; 'jkistle@chicousd.org'; Scott.Zaitz@waterboards.ca.gov; 'pbonacich@calwater.com'; 'tracy.mcreynolds@wildlife.ca.gov'; Debbie.Spangler@water.ca.gov; 'natalie.carter@becnet.org'; 'bc-rcd@carcd.org'; 'timmariehamill@gmail.com'; 'ewedemeyer@co.shasta.ca.us'; 'rteubert@tcpw.ca.gov'; 'tzeller@chicorec.com'; 'mit@mechoopda-nsn.gov'; 'sierra@spi-ind.com'; 'ryansale@sbcglobal.net'; erick.burres@waterboards.ca.gov; 'msmith-peters@csuchico.edu'; 'dunlaplegal@yahoo.com'; 'mcook@riverpartners.org'; 'vince@kkxx.net'; 'jaull@csuchico.edu'; 'loganmeline@gmail.com'; 'smason908@gmail.com'; 'rockcreek5556@yahoo.com'; 'gary@hignell.com'; 'lesheringer@gmail.com'; 'wcornelius@mechoopda-nsn.gov'; 'joe.gleason@delallo.com'; 'kloeser@northstareng.com'; 'watershed@becnet.org'; 'robinmccollum@sbcglobal.net'; 'ubangarang@yahoo.com'; sachiitagaki@kennedyjenks.com; ksicke@ycfcwcd.org; JenniferLau@kennedyjenks.com; pminasian@minasianlaw.com; NReese@mechoopda-nsn.gov; Davison, Brandon@Waterboards <Brandon.Davison@waterboards.ca.gov>; brin@tehamacountyrcd.org; ryan@tehamacountyrcd.org – 6/23/17
9. Emails – TAC Members – 6/23/17
10. Email – Love Chapman Group, Butte Housing Authority – 6/29/17
11. Email – Forest Ranch Community Center and Forest Ranch Post – 6/27/17
12. Facebook – City of Chico Public Works Page – Posted on 6/28/17 (pinned to the top of the page)
13. NextDoor Event Posted – 6/30/17
14. Flyers translated to Hmong and Spanish
15. Handed out flyers at the Thursday Night Market – 6/29/17, 7/6/17 (available on table 7/13/17)
16. KRCR Community Events Calendar – Added to the Calendar to be on TV – 6/23/17 (request submitted)

Outreach for Stakeholder Meeting #3 – November 29th, 2017

1. Press Release – 11/16/17 – Sent to All-City Emails, All- City Council, Media – Chico Enterprise Record, Chico News & Review, KPAY/KHSL Radio, KNVN/KHSL TV, KALF/KFMF, KIXE/KCHO, KZFR, KBQB/KCEQ/KRQR/KTHU, and KRCR TV.
2. Website – City of Chico - Home Page, Specific SWRP Page, Stakeholder and Public Meeting Page, SWRP Schedule Page, and Storm Water Management Page – Posted 11/9/17
3. Website – Keepchicoclean.org – Meeting and link to SWRP on website home page – 11/28/17
4. Flyers – City Hall- 1st floor, City Hall – Building Counter, City Hall – internal bulletin boards, Butte County Library, Chico Natural Foods, Butte College – Chico Center, Cal Java, Kona's, Tin Roof Bakery, Upper Crust Bakery, Pita Pit – 11/17/17
5. Emails – Stakeholder/Public List – 'tfossum@buttecounty.net'; 'rperrelli@csuchico.edu'; 'jkistle@chicousd.org'; 'Scott.Zaitz@waterboards.ca.gov'; 'pbonacich@calwater.com'; 'tracy.mcreynolds@wildlife.ca.gov'; 'Debbie.Spangler@water.ca.gov'; 'natalie.carter@becnet.org'; 'bc-rcd@carcd.org'; 'timmariehamill@gmail.com'; 'ewedemeyer@co.shasta.ca.us'; 'rteubert@tcpw.ca.gov'; 'tzeller@chicorec.com'; 'mit@mechoopda-nsn.gov'; 'sierra@spi-ind.com'; 'erick.burres@waterboards.ca.gov'; 'msmith-peters@csuchico.edu'; 'dunlaplegal@yahoo.com'; 'mcook@riverpartners.org'; 'vince@kkxx.net'; 'jaull@csuchico.edu'; 'loganmeline@gmail.com'; 'smason908@gmail.com'; 'rockcreekreclamation@aol.com'; 'gary@hignell.com'; 'lesheringer@gmail.com'; 'wcornelius@mechoopda-nsn.gov'; 'joe.gleason@delallo.com'; 'kloeser@northstareng.com'; 'watershed@becnet.org'; 'robinmccollum@sbcglobal.net'; 'ubangarang@yahoo.com'; 'sachiitagaki@kennedyjenks.com'; 'ksicke@ycfcwcd.org'; 'JenniferLau@kennedyjenks.com'; 'pminasian@minasianlaw.com'; 'clay.slocum@cncement.org'; 'jlowe@northstareng.com'; 'ryanrsale@sbcglobal.net'; 'erick.burres@waterboards.ca.gov'; 'bc-rcd@carcd.org'; 'Scott.McReynolds@water.ca.gov'; 'erik.gustafson@chicoca.gov'; 'skyler.lipski@chicoca.gov' – 11/9/17
6. Emails – TAC Members – 11/9/17
7. Email – Love Chapman Group – 11/9/17
8. Email - Butte Housing Authority – 11/20/17
9. Email –Forest Ranch Post – 11/20/17
10. NextDoor Event Posted – 11/17/17
11. KRCR Community Events Calendar – Added to the Calendar to be on TV – 11/9/17 (request submitted)
12. PeachTree – Chico Unified School District e-flyer to all registered parents – 11-17-17

WEST YOST ASSOCIATES
Consulting Engineers

November 9, 2017

Project No.: 755-10-17-01.007
SENT VIA: EMAIL

Ms. Angela Spain
City of Chico
411 Main Street
Chico CA 95928

SUBJECT: City of Chico Storm Water Resource Plan—Response to Comments on Initial Project Screening

Dear Ms. Spain:

The attached table presents the response to comments received on September 8th, 2017 on the Big Chico Creek and Little Chico Creek Storm Water Resource Plan (SWRP) Initial Project Screening. This response to comments should be posted on the City's SWRP website for review by the public, the Technical Advisory Committee, and any other interested parties.

DISCLOSURE STATEMENT

Funding has been provided in full or in part through an agreement with the State Water Resources Control Board, using funds from Proposition 1. The contents of this document do not necessarily reflect the views and policies of the foregoing, nor does the mention of trade names or commercial products constitute endorsement or recommendation for use.

This letter is part of the work product for Task 4.5 of Grant Agreement No. D1612613 between the City of Chico and the California State Water Resource Control Board.

Please contact me at (530) 792-3275 or dmoore@westyost.com with any questions or comments.

Sincerely,
WEST YOST ASSOCIATES

Douglas T. Moore
Engineering Manager
RCE #58122
DTM:lh

Table 1. Comments and Responses on the Intial Project Screening

Project Number or Letter	Title of Recommended Project	Project Description	Publicly Owned Land Evaluation (High, Medium, Low)	Project Sponsor Evaluation* (Yes, No)	Estimated Affordability Evaluation High, Medium, Low	Implementability Evaluation (High, Medium, Low)	Evaluate as a SWRP Project or Retain as an Initial Project (note A) (SWRP or Initial)	Comments Received from Stream Team	Response to Comment
1	21st Century Management Program: Big Chico Creek and Mud Creek Watershed.	The proposed project is to develop and implement a multifaceted, holistic program to manage the flood protection system of diversions and levees from Five Mile Recreation Area in Chico to the Sacramento River. The goals of the project would be to: -Ensure the integrity of the flood control system. -Fully assess the system using modern analysis techniques and increased data, and assure that the system can protect the urban area while considering possible climatic changes. -Manage gravel deposition at Five Mile and assure proper gravel migration downstream. -Develop management strategies that maximize benefits to salmon populations. -Coordinate with the Bicycle Plan. -Optimize recreational opportunities. -Identify opportunities to enhance riparian habitat, with an emphasis on endangered species such as the Sacramento Valley Long-horned Beetle. -Ensure system provides 200-yr level of protection per State regulations. -Maximize the use of County Service Area 24 funds.	Medium	Yes, City of Chico	Medium	High	SWRP, combined into M		
2	Teichert Ponds Improvement Project	Reconstruction of inlet to provide capture of trash, suspended solids, hydrocarbons, etc. Reconstruction of outlet to Little Chico Creek to provide control, accessibility, and maintainability. Vegetation management to eradicate non-native plants and help manage illegal camping.	High	Yes, City of Chico	Low	Medium	SWRP, combined into Q, Trash filtering component combined into I, includes POEI*	Duplicate on list under both (Q and I). Public land is High.	In the original file provided to Stream Team, there was no duplication of Project 2. The Publicly Owned Land rating has now been changed to high.
3	21st Century Management Program: Little Chico Creek to Butte Creek Diversion.	The proposed project is to develop and implement a multifaceted, holistic program to manage the flood protection system of diversions and levees from Little Chico Creek to Butte Creek. The goals of the project would be to: - Ensure the integrity of the flood control system. - Fully assess the system using modern analysis techniques and increased data, and assure that the system can protect the urban area while considering possible climatic changes. - Identify improvements required to achieve FEMA certification. - Coordinate with the Bicycle Plan. - Optimize recreational opportunities. - Identify opportunities to enhance riparian habitat, with an emphasis on endangered species such as the Sacramento Valley Long-horned Beetle. - Ensure system provides 200-yr level of protection per State regulations.	Medium	Yes, City of Chico	Medium	High	SWRP, combined into N		
4	Big Chico Creek bank erosion	The creek bank just a few feet away from CARD's water well on BCC at Hooker Oak Park is eroding. A solution for this problem has been designed; implementation could be part of a future storm water grant application.	High	Yes, City of Chico	Medium	Low	SWRP, combined into M, includes POEI*	Affordability could be low depending on the site. Implementability is High. Small revegetation projects can be identified and implemented cheaply by the public, for example Lost Park. POEI	This project is a bank stabilization project at a specific location. The comment appears to be addressing the project as if the project was general erosion stabilization located at many undefined locations. Revegetation itself is relatively low cost, but can only occur after high cost stabilization work, so therefore, affordability has been changed to medium for this specific project at this specific location. Implementability was listed as low because this project will require several permits to be acquired from the CDFW, the USACE, and the RWQCB. POEI is already listed for this project.
5	Big Chico Creek storm water detention	Create a storm water detention area in Lower Bidwell Park just west of the east most parking area off Peterson Memorial Drive. This area has previously flooded (i.e. Scout's Island) and has the capacity to occasionally detain enough water to reduce downstream flooding without affecting any major infrastructure such as Petersen Dr. Consider making a small detention basin on the right (north) bank of BCC just downstream of the Vallombrosa Bridge. This is part of the city-owned Lost Park area. Currently several north side properties closer to the Esplanade Bridge as well as the south side of Lost Park experience flood water conditions during high water events. Correcting a scour problem at Big Chico Creek's Vallombrosa Bridge is listed in the city's Capital Projects plan. Incorporate this fix into a grant proposal as an in-kind match.	High	No	Low	Medium	SWRP, combined into M	Implentability is High. Similar to Project 71.	Implementability was listed as medium because these two detention basin projects will require hydrologic and hydraulic modeling to determine the level of flood protection that would be achieved and to determine if the flood protection justifies the costs of the basins. Also, the basins and the erosion stabilization will require several permits to be acquired from the CDFW, the USACE, and the RWQCB, and approval from the Bidwell Park and Playground Commission. This project does not appear to be similar to Project 71.
6	Comanche Creek flow improvements	Develop a plan to remove invasive yellow flag iris from CC. This plant spreads via seeds and rhizomes and, by filling the stream bed with plants, widens the stream bed, causing bank erosion and flooding (especially at Paseo Campaneros) The upstream-most infestation is at Neighborhood Church. Downstream-most location is unknown. Starting area for removal could be at CCG, with outreach to upstream and downstream property owners to educate them about the problem and provide solutions. Survey CC starting at the Fair St. Detention Basin to identify obstacles in the creek and develop a plan to remove them. Reduce silt buildup in CC through the residential and business area from the Detention Basin outlet to Midway. Reduce silt entering CC via the Basin.	Medium	No	Medium	Medium	SWRP, combined into O		
7	Comanche Creek water quality	Provide better trash filtering at outlet from Fair St. Detention basin into CC. Provide filtering of storm water runoff at northwest outlet at Midway Bridge and at outlets at Valine and Wrex. Provide filtering of storm water runoff from Hegan Lane Business Park (outlet into CC is west of CCG, pollutants are probably mostly hydrocarbons from the large amount of impervious surfaces of parking lot and street parking). Encourage alternative transportation for employees of businesses in this area, as currently all of Otterson Dr. is used by employee parking for Build.com. Develop a working relationship with M&T Ranch to coordinate communications about their control of the water level in CC with creek cleanups and other in-stream activities. Develop a better understanding of when they reduce water flows and plan in-stream activities based on this information. Provide real-time online information about water flow diversion into Comanche Creek (CC) at Phelan Dam to help with trash removal efforts downstream, especially at Comanche Creek Greenway (CCG). Convert southwest outlet at Midway Bridge into a bioswale. Much of CC's trash comes from homeless camps under the Midway Bridge and upstream to the bike bridge. Provide fencing to make it more difficult for campers to bring large items to their camp sites and consider ways to reduce the desirability of camping under these bridges and nearby. Eliminate creekside camping sites at CCG wherever possible.	High	No	Medium	Medium	SWRP, combined into O		
8	Lindo Channel infiltration enhancement	Use the city-owned area of upstream of the Madrone bike bridge for storm water infiltration	High	Yes, City of Chico	Medium	Medium	SWRP, combined into M, includes POEI*	Implementability is High	Implementability was changed to medium (rather than high) because construction in the Lindo Channel will require several permits to be acquired from the CDFW, the USACE, and the RWQCB.
9	Lindo Channel nonpoint pollution	Re-do access roads into to channel to make it easier to haul out debris from homeless camp cleanups. Identify areas where camping and associated camp cleanups regularly occur and develop and implement solutions to reduce camping at those locations (e.g. elevating vegetation, regular monitoring, etc.). Add trash filter at Chico Nut storm water drain Add bioswales to storm water outlets from Manzanita to Esplanade, where stream channel is wide enough to accommodate.	High	No	Medium	High	SWRP, combined into M, includes POEI*		
10	Little Chico Creek flooding problems	Due to the increase in impervious surfaces (e.g. East 8th St road reconstruction project) downstream of the Little Chico Creek (LCC) diversion into Butte Creek at the Stilson Canyon diversion, the diversion point needs to be recalibrated. Provide infiltration area on city property just downstream of the diversion. Consider using the city's Linear Parks and Greenways Fund to purchase the small amount of open space land in this area that's not already owned by the city so that this infiltration area can be maximized. Look at the many other city-owned properties along the creek for other infiltration opportunities. Consider using the city-owned former RDA property north of the Boucher St. bridge into a storm water infiltration area. The creek bank is low in that area and the property is already subject to occasional flooding. LCC's carrying capacity has been reduced by excessive growth of invasive plants and tree-falls that block storm water flows. Develop a plan in coordination with DWR to identify the worst areas and provide ongoing maintenance to keep them clear. Also, provide a mechanism for residents to report new problems to the appropriate agency. Correcting a scour problem at LCC's Walnut St Bridge is listed in the city's Capital Projects plan. Incorporate this fix into a grant proposal as an in-kind match.	Medium	No	Medium	Medium	SWRP, combined into N, includes POEI*		

Table 1. Comments and Responses on the Intial Project Screening

Project Number or Letter	Title of Recommended Project	Project Description	Publicly Owned Land Evaluation (High, Medium, Low)	Project Sponsor Evaluation* (Yes, No)	Estimated Affordability Evaluation High, Medium, Low	Implementability Evaluation (High, Medium, Low)	Evaluate as a SWRP Project or Retain as an Initial Project (note A) (SWRP or Initial)	Comments Received from Stream Team	Response to Comment
11	Little Chico Creek water quality	For the last several years, the city has been treating arundo donax on city properties along LCC and removing it using volunteer labor (1100+ hours of volunteer work so far, plus other donations for associated removal costs). Continue this process, work with other public agencies that also own LCC creek bank property (e.g. Butte County Housing Authority, Chico Unified School District) to help remove their arundo and develop a protocol for private property owners who wish to remove their arundo. As needed, work with the Chico Fire Dept. to develop regulations requiring arundo removal, as a fire hazard. Work with USDA's Natural Resources Conservation Service, which has offered to help property owners downstream of the Chico city limits also remove their arundo. Identify areas along LCC where creek bank erosion is a significant problem (e.g. the left bank downstream of the Chestnut St. Bridge) and develop solutions to reduce future erosion in these areas). Consider possible future impacts should the Chapmantown annexation result in additional storm water entering LCC. Homeless camps in LCC are likely the largest source of trash within the creek. The longer a camp remains, the more trash and large items accumulate at the camp, complicating the eventual cleanup. A more transparent system for citizens to report camps is needed and additional resources to provide the move-out notifications, cleanups and hauling of the trash. Vegetation removal would help reduce camping in some locations, heavy-duty fencing at bridges is another way to reduce creek access. Also, because there are so many easy access points along the creek, there's a lot of household trash dumping and of large items such as mattresses and couches. Love Chapman has helped to alleviate this problem by offering an annual cleanup day, with free hauling of large items to the pickup location and drop-off of trash, recycling, and vegetation. Other creekside neighborhoods could offer similar services, with BEC or another NGO being paid to organize events.	High	No	High	Medium	SWRP, combined into N, includes POEI*		
12	Mitigating new impacts to Sycamore Bypass	There are several large new residential subdivisions to the south of Sycamore Bypass. Improve outdoor recreational opportunities for these residents by completing the planned bike path along the Bypass to connect to the Floral Ave bike path and by creating well-designed paths into the Bypass area (instead of letting each user create his/her own path). Provide educational signage and materials to the homeowners associations to discourage yard waste and trash dumping into the Bypass.	High	Yes, City of Chico	High	High	SWRP, combined into M, includes POEI*		
13	Teichert Ponds retention basins	Reroute the small east side storm drains so that they don't dump directly into Pond 1. Remove the silt buildup in the ponds and its associated contaminants. Separate Pond 1 (freshwater) from Ponds 2-3 and rework Ponds 2 and 3 so that Pond 2 can be periodically drained and cleaned. Work with the Butte County Mosquito and Vector Control District to develop a plan that will reduce the need for mosquito control.	High	Yes, City of Chico	Medium	Medium	SWRP, combined into Q, includes POEI*	Implementability is High. Why yes for public land instead of High?	Publicly owned land was changed to High. Implementability was changed to medium (rather than high) because construction in at Teichert Ponds will require several permits to be acquired from the CDFW, the USACE, and the RWQCB.
14	Teichert Ponds vegetation, trash and public access	Remove the major invasive plant species: parrot's feather, tree of heaven, Himalayan blackberry, Chinese tallow tree, pyracantha and arundo (1-2 small stands). The dirt roadway on the north side floods almost every winter. Solve this problem. Finish removing the chain link fencing around Pond 1 to improve access for invasive plant control and trash cleanup. Construct a walking trail on the east side of the Ponds to improve public access and reduce undesirable behavior (camping, encroachments by east side neighbors, yard waste dumping). Homeless camping is a major problem here; however, most of the camps are outside of the storm water area so they don 't directly affect the amount of trash going into Little Chico Creek. Improve trash filtering on major east side storm water inlet and add filter on south inlet.	High	Yes, City of Chico	High	Medium	SWRP, combined into Q, Trash filtering component combined into I, includes POEI*	Implementability is High. Why yes for public land instead of High?	Publicly owned land was changed to High. Implementability was changed to medium (rather than high) because construction in at Teichert Ponds will require several permits to be acquired from the CDFW, the USACE, and the RWQCB.
15	Bank Slope Reduction and Stabilization	Many of the rural roadside ditches and agricultural drainage channels have overly-steep banks, which leads to bank erosion, deposition of sediment in the channel, and damage to public roads, maintenance roads and farmland. Bank segments with severe bank erosion could be identified and evaluated for bank slope reduction. Potential stabilization methods that could be evaluated include slope reduction, vegetation with deep rooted native California grasses, and/or stabilization with articulated block pavers.	Medium	Yes, City of Chico	Medium	Medium	SWRP, combined into P	Why O and not P or M?	This project was not combined into project O. This project was already combined into Project P.
16	Channel Stabilization	Provide structural erosion at outfalls, along bridges and structures, major bends in waterways, revegetate various stream segments, acquire property along streams to allow for a "buffer" zone. This will meet the Water Quality benefits as well as riparian enhancement.	Medium	Yes, City of Chico	Medium	Medium	SWRP, combined with 68		
17	Detention Basins on Comanche Creek	Construct detention basins per the 1997 Amendment to SDMP, but include storm water wetlands, or community parks as appropriate.	Medium	Yes, City of Chico	Low	Low	SWRP, combined into O		
18	Detention Basins on Little Chico Creek	The Project will provide flood control along little Chico Creek per the SDMP, but will have water quality wetlands or community park as appropriate.	Medium	Yes, City of Chico	Low	Low	SWRP, combined into N		
19	Grassy Swale in Bidwell Park	Install grassy swale in Bidwell Park to provide natural treatment and some minor detention, along with infiltration	High	Yes, City of Chico	Medium	Low	SWRP, combined into M, includes POEI*	Not a flood project, Implementability is High Afforability is low. Project not plan.	Flood control was not listed as a benefit of this project. This project includes general implementation of grassy swales in Bidwell Park. It does not identify specific locations where grassy swales would be implemented. Consequently, before actual swales are constructed, a plan will need to be developed to select the best and most affordable locations. This project was included in Project M because Project M includes LID where feasible. Also, this project will require several permits to be acquired from the CDFW, the USACE, and/or the RWQCB, and approval from the Bidwell Park and Playground Commission. Consequently, Implementability was listed as low. Affordability was listed as medium because the planning and permitting will will be expensive, but after the planning and permitting are completed, the grassy swales may be relatively inexpensive.
20	Green Streets and Parking Lots	Street segments and parking lots could be retrofitted into green streets or green parking lots using vegetated swales, vegetated buffer strips, bioretention planters, and mechanical treatment systems	High	Yes, City of Chico	Low	Medium	SWRP, combined into P, includes POEI*	Combine w/20, 25, 82, 74 (and/or letter N)	This project includes general implementation of Green Street and Green Parking Lots. It does not identify specific locations where Green Streets and Green Parking Lots would be implemented. Consequently, before actual Green Streets and Parking Lots would be constructed, a plan will need to be developed to select the best and most affordable locations. This project was combined with Project P because Project P includes development of a plan to identify the best locations for Green Streets and parking lots. It was not included in Project N because Project N is only for Little Chico Creek, and this project would evaluate the use of Green Streets and Parking lots on a City-wide basis. It was not included in Project 20 because this project is Project 20. This project was not included in Project 25 because Project 25 was revised and replaced by Project 81. This project was not included in Project 82 because Project 82 is four specific projects previously inlcuded in the NSV IRWMP, and this project was not included in the NSV IRWMP.
21	Make City Corp Yards Storm Water Friendly	The City/County Corporation Yards could be evaluated for implementation of best management practices such as grassy swales, infiltration trenches, rock infiltration wells and other water quality treatment and low flow/dry weather runoff infiltration facilities.	High	Yes, City of Chico	Medium	High	SWRP, combined into N (Includes POEI*)		
22	Outreach and Maintenance of Parks	Establish a stream maintenance inspection and monitoring program, include trash and debris removal, exotic plant eradication, revegetation and stream bank repair and maintenance. Could lean heavily on volunteers.	High	Yes, City of Chico	Medium	High	SWRP, combined into P, includes POEI*	Implementability is High	Implementability was changed to high because some aspects of this project can easily be implemented. However, stream bank repair and maintenance activities could require several permits to be acquired from the CDFW, the USACE, and the RWQCB, and for the stream bank repair and maintenance the implementability would be medium.
23	Trash Capture Devices	Use City's land use map and storm water system map to locate and size trash capture devices. These trash capture devices can be implemented along with other modifications to detention basins, including grassy swales, infiltration trenches, rock infiltration wells, and low flow/dry weather runoff infiltration facilities.	Medium	Yes, City of Chico	Low	High	SWRP, combined into I, includes POEI*		
24	Waterwise and Habitat and River Friendly Landscape Program	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	Yes, Stream Team	Low	Medium	SWRP, combined into P, includes POEI*	Sponsor is yes (Stream Team). Affordability is low. Implementability is High. Why not group as you did with other projects under a letter (M, N)? Also has PEOI.	The sponsorship has been changed to Stream Team. The project is already listed with low affordability. Implementability remains medium because the project description is vague and includes many different objectives and prioritizing the objectives will be needed. Developing specific actions to implement the various objectives will also have to be developed and evaluated. Each one of the objectives essentially constitutes an entire project/program by itself. This project has now been grouped with Project P, and POEI has now been added.
25	Chico Green Streets and Low Impact Development Implementation Project	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	No	Low	Medium	Initial		

Table 1. Comments and Responses on the Intial Project Screening

Project Number or Letter	Title of Recommended Project	Project Description	Publicly Owned Land Evaluation (High, Medium, Low)	Project Sponsor Evaluation* (Yes, No)	Estimated Affordability Evaluation High, Medium, Low	Implementability Evaluation (High, Medium, Low)	Evaluate as a SWRP Project or Retain as an Initial Project (note A) (SWRP or Initial)	Comments Received from Stream Team	Response to Comment
26	Bidwell Park and Greenway Integrated Storm Water, Ground Water Recharge, and Recycled Water Project	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	Yes, City of Chico	Low	Medium	SWRP, combined with Project 71 into P, includes POEI*	Implementability is High. Combine w/71 and is it P (SW master plan) or M (21st plan)	Project 26 is now combined with Project 71, and both projects are combined into Project P. Project is not combined with Project M, because Projects 26 and 71 have many aspects (some listed below) that are beyond what is included in Project M, which is focused on just Big Chico Creek. Implementability remains medium because the project description is vague and includes many different objectives and prioritizing the objectives will be needed. Developing specific actions to implement the various objectives will also have to be developed and evaluated. Each one of the objectives essentially constitutes an entire project/program by itself.
27	Cal Park Green Streets Project	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	No	Low	Medium	Initial		
28	City of Chico Long-term Trash Reduction Project	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	No	Low	Medium	Initial		
29	LID Technical Design Manual and Demonstration Project	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	Yes, City of Chico	Low	Medium	SWRP, combined into P, includes POEI*		
30	Chico State University LID Implementation and Stream Habitat Enhancement Project	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	No	Low	Medium	Initial		
31	Five Mile, Lindo Channel, and Sycamore Flood Diversion Storm Water Treatment and Habitat Enhancement Project	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	No	Low	Medium	Initial		
32	Chapman/Mulberry Neighborhood Green Infrastructure and Natural Storm Water Treatment Project	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	No	Low	Medium	Initial		
33	Mud and Rock Creek Flood Protection Project	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	Yes, Stream Team	Low	Medium	SWRP, includes POEI*	Why is this project not grouped? Sponsor is yes, as either Mud Creek Recalamation District (Robin McCullum?) or Stream Team, or why not City? How was Affordability and Implementability evaluated?	This project is a standalone project because the vast majority of Mud and Rock Creek Watersheds are outside the City and the City's Sphere of Influence. The sponsorship has been changed to Stream Team. Implementability remains medium and affordability remains low because the project description is vague and includes many different objectives and prioritizing the objectives and will be needed. Developing specific actions to implement the various objectives will also have to be developed and evaluated.

Table 1. Comments and Responses on the Intial Project Screening

Project Number or Letter	Title of Recommended Project	Project Description	Publicly Owned Land Evaluation (High, Medium, Low)	Project Sponsor Evaluation* (Yes, No)	Estimated Affordability Evaluation High, Medium, Low	Implementability Evaluation (High, Medium, Low)	Evaluate as a SWRP Project or Retain as an Initial Project (note A) (SWRP or Initial)	Comments Received from Stream Team	Response to Comment
34	Little Chico Creek, Lindo channel, Mud/Rock Creek Arundo/Broom Removal and LID Implementation Project	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	No	Low	Medium	Initial		
35	Flood Detention Pond (Comanche, Fair Street, Home Depot, Teichert) Enhancement and LID Implementation Project	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	Yes, City of Chico	Low	Medium	SWRP, combined into O, Teichert Ponds combined into Project Q, includes POEI*	Grouping w/O or R? Similar projects: 35, 43, 60	Project is already combined with Project O. Teichert Pond is now combined into Project Q. Project R is specific to the Fair Street Detention Basin, whereas this project includes several other basins. Projects 43 and 60 are specific to the Fair Street Detention Basin, so they were grouped into Project R.
36	Low Impact Development and Green Infrastructure Implementation Program for Butte County Schools	Project includes: - Implementation of low impact development techniques and water quality best management practices on specific school sites. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	Yes, Chico Unified School District	Low	Medium	Initial		
37	City of Chico storm water capture and reuse project	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	Yes, City of Chico	Low	Medium	SWRP, combined into P, includes POEI*	Why not group under M, N, O, Q? This is intended to be an implementation project (vegetation managmen, LID demos, trash reduction actions, etc.) but the update was accidently not uploaded. Targets Big Chico/Little Chico creek. Implementability is High.	Project M is specific to Big Chico Creek. Project N is specific to Little Chico Creek. Project O is specific to Comanche Creek. Project Q is specific to Teichert Ponds. This project includes implementation of LID at unspecified locations, consequently, it was grouped with Project P, which is a City-wide update of storm water planning and policies. Project P also incudes developing LID implementation, creek clean ups, water quality monitoring, and many other types of projects and programs. This is not an implementation project because it does not identify specific locations for project implementation. It identified general goals to be achieved throughout the watershed, including LID implementation, public outreach and training, increasing employment opportunities, green job training, and linking citizen monitoring with the City Storm Water Management Program. These are mostly programs, not implementation projects. Implementability remains medium because the project description is not specific and includes many different objectives and prioritizing the objectives will be needed. Developing specific actions to implement the various objectives will also have to be developed and evaluated. Each one of the objectives essentially constitutes an entire project/program by itself.
38	Urban Landscape Water Conservation and Pesticide Reduction Project	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	No	Low	Medium	Initial		
39	NSV IRWM Projects (submitted by CA Urban Streams Alliance-The Stream Team)	Project includes: - Implementation of low impact development techniques and water quality best management practices. - Public outreach, education, and involvement related to storm water and other issues. - Citizen based storm water monitoring. See detailed project description provided in Attachment A.	Medium	No	Low	Medium	Initial		
40	Parking Lot 4 Rehabilitation #50019	Replacement of existing deteriorated asphalt paving with permeable pavement or pavers.	High	Yes, City of Chico	Medium	High	SWRP, includes POEI*		
41	Improve Lindo Channel	Remove vegetation, debris, rock, silt, repair outfalls, and reestablish channel capacity to reduce flooding and erosion of public infrastructure. Include a bikeway to increase public open space.	High	Yes, City of Chico	Medium	Medium	SWRP, combined into M, includes POEI*	Affordability could be low depending on the site. Implementability is High. Small revegetation projects can be identified and implemented cheaply by the public, for example Lost Park. POEI	This project does not identify specific locations or projects. Affordability at specific sites could be low, medium , or high; consequently, Affordability was give a medium rating. Implementability at specific sites could be low, medium , or high; consequently, the Implementability is now changed to medium. POEI is now added.
42	Teichert Ponds Improvement	Remove vegetation, limit illegal encampment to reduce trash buildup, improve paths/roads round the pond. Improve outfall screening to reducing buildup and flooding.	High	Yes, City of Chico	Medium	Medium	SWRP, combined into Q, includes POEI*	Affordability and impemtability rankings, how were they evaluated?	The Implementability and Affordability ratings were evaluated relative to other projects. This project received medium ratings because it is for a specific site, but the specific improvements are not defined. Many of the project elements will require several permits to be acquired from the CDFW, the USACE, and the RWQCB.

Table 1. Comments and Responses on the Intial Project Screening

Project Number or Letter	Title of Recommended Project	Project Description	Publicly Owned Land Evaluation (High, Medium, Low)	Project Sponsor Evaluation* (Yes, No)	Estimated Affordability Evaluation High, Medium, Low	Implementability Evaluation (High, Medium, Low)	Evaluate as a SWRP Project or Retain as an Initial Project (note A) (SWRP or Initial)	Comments Received from Stream Team	Response to Comment
43	Fair Street Detention Basin Improvements	Remove vegetation to limit illegal encampments (trash buildup), improve paths/roads around pond. Improve outfall screening to reduce buildup and flooding.	High	Yes, City of Chico	Medium	Medium	SWRP, combined into R, includes POEI*	Grouping w/O or R? Similar projects: 35, 43, 60	Project is already combined with Project R since Project R is specific to the Fair Street Detention Basin. Projects 43 and 60 are specific to the Fair Street Detention Basin, so they were also grouped into Project R. Project 35 includes several detention basins, is not specific to a single basin, and consequently was grouped into Project O which covers several detention basins. Many of the project elements will require several permits to be acquired from the CDFW, the USACE, and the RWQCB.
44	5 Mile and Lindo Channel Diversion Structures Study	Review effectiveness of current gate settings, adjust as needed. This past year, we visually observed a lot of capacity in Mud/Sycamore Creek, when Big Chico Creek and Lindo Channel were running so high that localized flooding developed. Balancing of flows could decrease scour, provide flood protection, and improve habitat.	High	Yes, City of Chico	Medium	High	SWRP	Why not grouped under M or P? Why stand-alond SWRP project?	This project could be grouped under Project M. However, this project would address one specific element of the range of potential projects that Project M covers, specifically improving flood control by adjusting the existing gate settings. There is also a potential funding opportunity through Community Service Area 24. Consequently, this was kept as a separate project so it could be evaluated independently of the much larger Project M.
45	Big Chico Creek and Lindo Channel Diversions Study and Improvements	Evaluate the current capacities of the Big Chico Creek Gates, the Lindo Channel Gates, and the Sycamore Weir in relation to the Sycamore Pool capacity and water surface elevations. Consider the establishment of a regular sediment removal process and implementation of a routine maintenance agreement between the City/County and DWR.	High	Yes, City of Chico	Medium	High	SWRP, combined into M		
46	Lindo Channel Management Plan	Establish a long term management plan for Lindo Channel in order to re-establish the channel capacity back to its original design and to ensure the occurrence of regular maintenance. Consider need for flood control easement for managing vegetation growth and debris buildup, and limiting flow distribution issues. Study the capacity of Mud Creek to evaluate the potential to re-route flows.	High	Yes, City of Chico	Medium	High	SWRP, combined into M	Implementability is High (plan)	Implementability of the study is now rated high.
47	Medical Waste Program for unused medicine	Providing medical waste drop off points would decrease the amount of leftover medication that gets flushed in toilets and thus discharged to WWTPs. WWTPs struggle to remove these medications so they get discharged in WWTP effluent to the creeks.	High	No	Medium	High	Initial	Why grouped as stand-alone SWRP project instead of grouped under M, N, O, Q, (or P) ? Affordability is Low.	This project is not a storm water project and therefore was retained as an Initial Project.
48	Sycamore and Mud Creek Flood Control	A combination of sediment and vegetation management projects are needed at various locations throughout Mud and Sycamore Creeks to maintain the existing design capacity of the system: the construction of grade control structures would in theory stabilize the slope of the channel upstream of Cohasset Road and downstream of the Diversion Channel. The structures could also act as sediment catchments to allow for the removal of excess sediment and to prevent the transport of additional sediment downstream where it negatively affects other parts of the system. Benefits include reducing long term O&M costs and reducing adverse environmental impacts to the system.	High	Yes, City of Chico	Low	Low	SWRP, combined into M	Why was affordability and implementability ranked as low?	The vegetation management portion of the project are relatively affordable and implementable. However, the construction of grade control structures in the creek would be very difficult to permit and construct (implementation) and would be very expensive.
49	Sheep Hollow Off-stream Storage Area	An off-stream area may provide for the detention of peak flood flows along Sycamore Creek. There may be potential to reduce flood risk by removing or notching the right bank levee to allow high water to flow into the right overbank area in the open space area located just south of the Chico Municipal Airport, behind the right bank levee of Sheep Hollow near the confluence with Sycamore Creek. This potential enhancement is strictly conceptual at this stage and further evaluation is needed to confirm its feasibility, and to evaluate whether or not the open space area is needed for interior drainage.	Low	No	Low	Medium	Initial	Why not grouped?	This project was not grouped because it is a well-defined, specific project.
50	Early Flood Warning System	Upstream gages to improve upon the availability and reliability of real-time flow data upstream along Big Chico Creek, allowing more lead time for local responders to prepare for and manage a high flow event. The warning system could include water level sensors and telemeters to transmit flood information so that any abnormally large inflows and/or issues with debris on the gate structures could be noticed immediately.	Yes	Yes, City of Chico	High	High	SWRP, combined into M, includes POEI*		
51	Identification and Evaluation of Groundwater Recharge	Groundwater recharge could help with water supply reliability, increase infiltration and provide treatment, and provide habitat (depending on how projects are implemented). The ability to recharge groundwater using various methods needs to be investigated.	Medium	Yes, City of Chico	Medium	Medium	SWRP, combined into P	Why affordability ranked as low?	Affordability is changed to medium.
52	Upper Watershed	-Ecosystem restoration -Improving groundwater recharge/storm water infiltration (i.e. wetland enhancement/creation) -Public education about watersheds, water systems and water quality. ***This project recommendation is the result of a collaborative brains	Medium	Yes, City of Chico	Low	Medium	SWRP, combined into M		
53	Urban Riparian Restoration	Community Creek Cleanups Annual Bidwell Park and Chico Creeks Cleanup (September) Regular neighborhood cleanups Invasive species removal (i.e. Arundo) in Little Chico Creek. Removal of anadromous fish migration blockages (i.e., rouge dams but	Yes	Yes, City of Chico	Medium	Medium	SWRP, combined into M, includes POEI*		
54	Big Chico Creek West of Nord Ave.	-Ecosystem restoration -Improving groundwater recharge/storm water infiltration (i.e. wetland enhancement/creation) -Public education about watersheds, water systems and water quality. ***This project recommendation is the result of a collaborative brain	Medium	Yes, City of Chico	Low	Medium	SWRP, combined into M, includes POEI*		
55	Erosion Management/Prevention	Upper Park Road erosion control/mitigation Biofilters before water enters creeks to reduce sediment in creek due to erosion from cyclists and runners on trails near the creeks. Identify and prioritize erosion hot spots to reduce sediments in creek	High	Yes, City of Chico	High	High	SWRP, combined into M, includes POEI*		
56	Diversion Channels	Utilize diversion channels for groundwater recharge/storm water infiltration. Biofilters before diversion channels drain to creeks (i.e. Little Chico creek diversion to Butte creek) Public education about watersheds, water systems and water quality.	High	No	Medium	Medium	SWRP, combined into P, includes POEI*	Why not grouped? Why not City sponsor?	This project has now been grouped into Project P, which is sponsored by the City.
57	Storm Water Detention Basins	-Major storm water basin restoration (i.e. Teichert Ponds Restoration Project - 2009) to mitigate polluted runoff that drains to the creeks. -Biofilters before water drains to waterways. -Public education about watersheds, water systems and water quality.	High	No	Medium	Medium	SWRP, combined into P, includes POEI*	Why not grouped? City sponsor?	This project has now been grouped into Project P, which is sponsored by the City.
58	Updating the City's storm water plan (to make it proactive)	Update the City's storm water master plan to make it proactive. This update would include developing computer models of the City's drainage system that are capable of modeling water quality. It would include evaluating drainage and flood control, implementation of low impact development, water quality best management practices, and would include programs like creek clean ups, water quality monitoring, and habitat enhancement, etc. It would include opportunities to use storm water for landscape irrigation or other uses. It should have a public education element too. A goal should be to address hydromodification from development.	High	Yes, City of Chico	Medium	High	SWRP, combined into P, includes POEI*	Affordability is low. PEOI?	Although this is a plan, a City-wide storm water master plan will be expensive to prepare. PEOI was added to the project.
59	Routine Community Creek Clean Up Project (Program)	This program includes organizing annual community creek clean up events. The events should include a morning of cleaning litter and trash from the creeks and associated wetland and riparian habitat. After the clean up there should be a community outreach and education event and barbecue.	High	Yes, City of Chico	Medium	High	SWRP, includes POEI*	Why grouped as separate SWRP project instead of combined like other projects w/ M (or P)? Affordability is Low.	The City currently funds this type of program, and keeping it as a separate program allows it to be evaluated independently of the many other elements that are included in the combined/grouped projects. Keeping it separate allows it to be funded separately from the other aspects of the combined/grouped projects. Affordability is medium because the project represents a reoccurring annual cost.
60	Fair Street Detention Ponds	Trash Interception at the Fair Street Detention Ponds including BD Ditch Repairs to reduce flooding	High	Yes, City of Chico	Medium	Medium	SWRP, combined into R, Trash Interception component combined into I, includes POEI*	Grouping w/O or R? Similar projects: 35, 43, 60	Project is already combined with Project R since Project R is specific to the Fair Street Detention Basin. Projects 43 is specific to the Fair Street Detention Basin, so it was also grouped into Project R. Project 35 includes several detention basins, is not specific to a single basin, and consequently was grouped into Project O which covers several detention basins.
61	Teichert Ponds Project	Improve the Teichert Ponds by removing non-native vegetation and improving the pond hydraulics and water quality.	High	Yes, City of Chico	Medium	Medium	SWRP, combined into Q, includes POEI*	Affordability and impemtability rankings, how were they evaluated?	The Implementability and Affordability ratings were evaluated relative to other projects. This project received medium ratings because it is for a specific site, but the specific improvements are not defined.
62	Meyers Industrial Park, Otterson Business Park	Trash collection at Meyers Industrial Park and Otterson Business Park to benefit Comanche Creek. Potential to combine this project with improvement of Comanche Creek bike lanes/paths.	High	Yes, City of Chico	Medium	Medium	SWRP, combined into O, includes POEI*	Why not O w/comanche detention basins?	The City-wide trash planning and implementation aspect of this project was changed to be combined into Project O. This Project involves planning and implementation of specific improvements at the Meyers Industrial Park and Otterson Business Park detention basins and therefore would fit into other projects currently being designed within the Comanche Creek watershed. The bike paths aspect of this project also fits into Project O.
63	Update the City's storm water policies and regulations	Update the City's development standards to clearly identify what water quality improvements and facilities are needed, how the improvements should be sized, what process is to be used for achieving approval of the storm water quality improvements and facilities by the City, and identification of storm water quality development impact fees. The project should also identify what the annual O&M costs are for the improvements and facilities, estimate the annual O&M costs, and identify a method like establishment of a water quality zone of benefit or community facilities district that results in monthly storm water fees being paid by new development. Additionally, regulations and policies for the existing City should be established or updated, and a funding mechanism for generating storm water funds from the existing City areas should be evaluated, hopefully leading to a secure O&M funding source.	High	Yes, City of Chico	Low	High	SWRP, combined into P	Affordability is low.	This project rating was changed to a low affordability because updating the City's storm water policies will be a very extensive update and will be a long process.

Table 1. Comments and Responses on the Intial Project Screening

Project Number or Letter	Title of Recommended Project	Project Description	Publicly Owned Land Evaluation (High, Medium, Low)	Project Sponsor Evaluation* (Yes, No)	Estimated Affordability Evaluation High, Medium, Low	Implementability Evaluation (High, Medium, Low)	Evaluate as a SWRP Project or Retain as an Initial Project (note A) (SWRP or Initial)	Comments Received from Stream Team	Response to Comment
64	Upper Park Road Improvements - Erosion Control	Improvement of Upper Bidwell Park Road to reduce erosion into Big Chico Creek and to improve access to Upper Bidwell Park.	High	Yes, City of Chico	Medium	Medium	SWRP, combined into M, includes POEI*		
65	Laxson South Bioswale	The proposed project will collect surface runoff from City streets and neighboring parking lots into a bioswale to be constructed at the N.E. corner of the Arts & Humanities building / S. Laxson Auditorium, where the campus meets the roundabout at W. 1st St. and Salem St. Currently, the area receives lots of runoff during moderate and heavy rainstorms, which creates flooding of sidewalks. The flooded areas are safety concerns, and the rainwater has nowhere to go but out into campus. This project would create improved drainage and catchment for surface runoff, allowing pollutants and fine particulates to settle before entering the storm drain system. The project will incorporate a bioswale and catchment system into campus to allow for infiltration and filtration of stormwater runoff. Existing City and Campus storm drain infrastructure will be improved and incorporated to direct water directly into the bioswale, rather than across sidewalks and into roadways. Shaping & grading of the site for collection of water, along with the installation of boulders, cobble and appropriate plant material will slow runoff velocity and allow for further infiltration and filtration.	Medium	Yes, CSU Chico	High	High	SWRP	Why not grouped under letter like other projets? Could also combine with Project 75 but 75. Why is affordability and impementability ranked as high?	This was kept as an individual project because it is a specific, well defined project. It was submitted and will be funded by CSU Chico. It is a relatively small project, resulting in a High Affordability. It will not require significant permitting or generate significant environmental impacts, resulting in a high Implementability.
66	Create Bioswales @ storm drain outfalls	Where there is room between the channel and the borders of the Greenbelt, pull back storm drain outfalls and install Bioswales, with spreading slabs and Energy dissipation before the channel, similar to what was done at Verbena Fields. This can also be done at locations such as Lost Park.	Medium	Yes, City of Chico	Low	Low	SWRP, combined into P, includes POEI*	Implementability is High. Why P instead of M? Could go with grassy swale project and Bidwell Park projects (71, 19).	This project includes bioswales along all streams where land forms allow, and does not a specify location(s). Implementing this project effectively requires preparation of a plan to determine bioswale locations and the appropriate sequence for implementing the bioswales. Preparing the plan and implementing bioswales everywhere that land form allows will be very expensive. Implementability is low because the planning will require time and the implementation of many bioswales will require several permits to be acquired from the CDFW, the USACE, and the RWQCB. This project was included with Project P because both this project and Project P are City-wide projects, whereas Project M is specific to Big Chico Creek. Projects 19 and 71 are specific to Bidwell Park, and this is a City-wide project.
67	Teichert Ponds cleansing wetland	Convert some portion of the first pond and the adjacent area to a cleanable settling and trash removing basin and a constructed wetland to absorb toxins and sediment and to be removed periodically.	High	Yes, City of Chico	Low	Low	SWRP, combined into Q, includes POEI*	Affordability and impemtability rankings, how were they evaluated?	The Implementability and Affordability ratings were evaluated relative to other projects. These ratings are now changed to low because the construction aspects of this project will be expensive and will require several permits to be acquired from the CDFW, the USACE, and/or the RWQCB.
68	Create Hydrologic Floodplains on streams	Along streams small floodplains can be constructed and vegetated with natives, as Streaminders has done in the past. Such opportunities exist along E. Lindo Ave. behind Diamond nut and upstream almost to Mangrove.	Medium	Yes, City of Chico	Medium	Medium	SWRP, combined with 16, includes POEI*		
69	Multiple Off-Stream Detention/Wetland Basins	Create channel(s) to intercept peak flows in large basins to mitigate flood risk and erosion as well as enhance recharge and create wetland for wildlife and public enjoyment.	High	Yes, City of Chico	Medium	Low	SWRP, combined into N, includes POEI*		
70	Lindo Channel Stormwater Infiltration and Floodplain Enhancement Project	Work with City to develop a plan to prioritize exact locations for channel improvements (city-owned properties and right-of-ways) and storm drain system improvements (outfall repairs, outfall setbacks w/bioswales, trash reduction structures at outfalls, and inlet filters). it is also intended to build on the efforts of previous floodplain improvement and stormwater protection grant projects awarded to the City (Prop. 84, DROPS, Verbena/Bidwell Ave., CUSA) and CUSD (DROPS), including continuing stormwater education, LID Implementation efforts, and citizen monitoring efforts tracking long-term effects of stormwater management efforts on improving habitat and water quality. See attachment for more details.	Yes	Yes, City of Chico	Medium	Low	SWRP, combined into M, includes POEI*	Affordability is Medium or could be low depending on site location. PROJECT has POEI	Affordability is changed to medium and Implementability is changed to low because project includes construction in the stream channel, which will require several permits to be acquired from the CDFW, the USACE, and the RWQCB. Project includes general goals, but includes only a few specific project locations. The project includes six suggested project elements with sub elements. These project elements are general and lack specific locations. Many of the project elements will require several permits to be acquired from the CDFW, the USACE, and the RWQCB. Many of the project elements will be expensive to implement. POEI is now added to this project. Because the project is so general and many of the projects elements will be hard to implement and willb be expensive. The project elements include: 1) Floodplain restoration a) Hydrologic: reconnect stream to the floodplain and restore natural hydrology; b) Vegetative: remove invasive species (include herbicide treatment) and replant native plants; c) Habitat Restoration: reduce bank erosion, improve wildlife habitat, expand width of riparian buffer, strategic grading in channel to form "low flow" channel meander to reduce isolated pools trapping native fish species and nutrients. 2) Enhance storm drain system a) Repair damaged outfalls: replace broken conduit, repair pipe seams and gates, stabilize erosion surrounding outfalls b) Add bioswale areas below outfalls: set outfalls back away from stream banks, realign to allow expanded infiltration areas c) Re-grade / realign outfalls: to enhance drainage (some outfalls "trap" runoff for long periods of time (weeks/months), accumulating nutrients and pollutants carried to receiving waters during subsequent rain events. d) Install trash reduction structures: target "hot spots" (Mangrove to Esplanade), install inlet filters, trash racks, debris cages. 3) Reduce homeless encampments- a) Increase surveillance b) Schedule regular creek clean-ups c) Develop strategy to reduce homeless encampments 4) Reduce urban landscape irrigation runoff- a) Provide public education: LID implementation/water conservation and training (target voluntary residential implementation) b) Clean Water Business Partners: target education and incentive program for businesses located where inlets carry runoff to Lindo Channel (Chico Nut, S&S, Lifescapes, In-Motion Fitness, Nissan, Holiday Inn, Dennys, etc.) and others where inlets carry water to Lindo Channel. 5) Enhance Recreational Opportunities - a) Improve Trails, Bike Paths and Transportation Pathways: Improve existing access points (Manzanita, Madrone, Esplanade, Sheridan, Holly, Esplanade, etc. where rogue trails and access pathways cause erosion) b) Improve picnic and sitting areas: Verbena Fields, Madrone, bike path under freeway (cul-de-sacs could allow expanded access). 6) Project Effectiveness Monitoring - a) Utilize existing citizen monitoring program to track project effectiveness including water quality and habitat improvements b) Pre- and post-project trash surveys c) Pre- and post-project outfall surveys
71	Bidwell Park Stormwater Management Project (Green Infrastructure-LIDs, Floodplain Improvement, and Ground Water Recharge)	Project will implement LID practices designed to improve the capacity of natural drainage areas to infiltrate and treat stormwater runoff throughout Bidwell Park, including green Infrastructure-LIDs, floodplain improvement, and ground water recharge. See attachment for more details.	High	Yes, City of Chico	Low	Medium	SWRP, Project 71 is now combined with Project 26, and both projects are combined into Project P, includes POEI*	Implementability is High. Prop 84 grant had similar project-low cost, no environmental permits needed.	The project includes 18 suggested project elements. These project elements are general and lack specific locations. Many of the project elements will require several permits to be acquired from the CDFW, the USACE, and the RWQCB and approval from the Bidwell Park and Playground Commission. Many of the project elements will be very expensive to implement. Because the project is so general and many of the projects elements will be hard to implement and expensive. Affordability was rated low and Implementability was rated medium.
72	Revised Chapman/Mulberry Neighborhood Green Infrastructure and Natural Stormwater Treatment Project	Convert impervious areas into vegetated plots that soak up rainwater to limit urban runoff from entering creeks in disadvantaged communities. See attachment for more details.	Medium	Yes, City of Chico	Medium	Medium	SWRP, combined into N, includes POEI*	Implementability is High Affordability is High. Targets DACs, which loweres match. Also could be combined with other Mulberry SWRP project.	This project is general in nature. The project does identify some specific locations as part of a list of many project locations ("Implement LID demonstration projects targeting Chapman Mulberry neighborhood, the Dorothy Johnson Center, Humboldt Park, Torres and Jesus Center homeless shelters, Chapman Elementary (and 8 other Title I schools), and other City owned properties"). Identifying the best and most cost effective locations will require preparation of a plan to identify and priortize the locations. Many of the project elements will be expensive to implement (e.g. day-lighting storm drains through bioswales and pervious piping, outfall setbacks away from creek banks, roadway curb cuts to vegetated plots and infiltration trenches, pervious sidewalks and gutter pans, downspout disconnects to cisterns for recycling and use by community gardens, integrate safe walking and biking transportation pathways into LID project designs, etc). Because the project is so general and many of the projects elements will be hard to implement and expensive, Affordability was rated medium and Implementability was rated medium. The project objectives include: - Integrate LID practices into Chapman Mulberry Neighborhood - Reduce stormwater volume and pollutant loading - Conduct public outreach and training - Target implementation of LID demonstration projects on City-owned properties within DACs - Link existing citizen monitoring and stormwater / watershed protection efforts with City Stormwater Management Program - Implement LID demonstration projects - Implement vegetation management (Arrundo, Broom, etc.) in waterways - Implement trash reduction programs - Implement Green Jobs in Your Community Training Program - Implement a Stormwater Outreach and Education Plan This project was not combined with Project 85 because Project 85 is a well defined, specific project that can be evaluated as a stand-alone implementation project.

Table 1. Comments and Responses on the Intial Project Screening

Project Number or Letter	Title of Recommended Project	Project Description	Publicly Owned Land Evaluation (High, Medium, Low)	Project Sponsor Evaluation* (Yes, No)	Estimated Affordability Evaluation High, Medium, Low	Implementability Evaluation (High, Medium, Low)	Evaluate as a SWRP Project or Retain as an Initial Project (note A) (SWRP or Initial)	Comments Received from Stream Team	Response to Comment
73	Bidwell/Grape Ave Stormwater Protection and Restoration Project	Implement green infrastructure, remove invasive plants, plant native species, bioswales for ground water recharge, stream bank stabilization and reduce bank erosion, restore floodplain functions, and implement green jobs training. See attachment for more details.	High	Yes, Grape Way Agricultural Farm. Brendon Smith, 916-471-0311	Medium	High	SWRP	Implementability is High.	Implementability was changed to high bacause some elements are highly implementable (like Implement a Stormwater Outreach and Education Plan and Creek clean-up at mouth of Big Chico Creek near canoe launch and CA State Park access). However, many elements of the project will be very difficult to implement, like: -Retrofit sections of storm drain conduit with pervious pipe; install bioswales below outfalls (consider realigning piping system to allow longer path of infiltration) and setback/daylight discharge points away from creek edge; repair damaged outfalls (broken conduit, control gates, housing, undercut banks and erosion around housing); install trash reduction structures and filters at inlets and outlets (below Nord Avenue) - Reduce bank erosion. Repair and stabilize creek banks along Big Chico Creek below Nord Avenue and near Grape Way causing erosion and sedimentation. - Enhance ground water recharge. Install setback levees, and bioswales to increase recharge (target Ag properties near Grape Way, and where houses are falling into creek along Bidwell Avenue) - Improve and restore floodplain functions. a) Hydrologic: reconnect stream to the floodplain and restore natural hydrology; b) Vegetative: remove invasive species and replant native plant communities appropriate to the site and condition. Please be aware that sponsorship entails a commitment by the sponsoring agency/organization of the needed capital funds and operations and maintenance funds. The sponsoring agency or organization may be asked to provide evidence of ability to fund the project or a fair share of the project if this project is grouped with other projects.
74	(Revised) Cal Park Green Streets Project	Convert impervious areas into vegetated plots that soak up rainwater in Cal Park. See attachment for more details.	Medium	Yes, City of Chico	Medium	Medium	SWRP, combined into N, includes POEI*	Why N instead of P or M? Why not combine w/project 20?	This project was grouped with Project N because they have many aspects in common, and both projects are targeted at Little Chico Creek. Project P is a City-wide project. Project M is targeted at Big Chico Creek. This project was not grouped with Project 20 because Project 20 includes only green streets and parking lots. This projects includes many more types of project and programs, including: - Develop and implement a Citywide/Countywide LID Design and BMP Manual - Downspout disconnects to cisterns for recycling and use by community gardens -Implement vegetation management (remove turf and invasive plants and plant natives) - Implement Chico Trash Reduction program - Implement Green Jobs in Your Community Training Program - Implement a Stormwater Outreach and Education Plan
75	Revised Chico State University LID Implementation and Stream Habitat Enhancement Project	Implement green infrastructure, remove invasive plants, plan native species, bioswales for stormwater treatment, stream bank stabilization and reduce bank erosion, restore floodplain functions, improve walking and biking trails, implement green jobs training, trash reduction structures, outreach and education. See attachment for more details.	High	Yes, Stream Team	Low	Medium	SWRP, combined into M, includes POEI*	Why not grouped so it is included as a SWRP project? Spoonsor is yes (ST), and when I talked w/ CSU Chico they were interested in collaborating. invasive species remioval and bank enhacement projects can be implemented by public, ST, and students. Implementability is High. Affordability is low. Could commbine w/Project 65 or group 65 and 75 under letter M. Includes PEOI.	The CSU Chico TAC member indicated they were going to sponsor Project 65 and would not sponsor this project. Sponsorship was changed to Stream Team. This project description fits the goals of Project M (Big Chico Creek 21st Century Management Plan), so it was changed to be combined into Project M.
76	Revised Little Chico Creek, Lindo Channel, Mud/Rock Creek Arundo/Broom Removal and LID Implementation Project	Removing invasive plants, installing natives, removing debris and deposition. See attachment for additional project details.	Medium	Yes, Stream Team	Medium	Medium	SWRP, combined into M and N	Why is this not grouped under SWRP letter (M, N)r? Sponsor is yes (Stream Team). Affordability is low or medium. Implementability is Hish.	The orignal project submittal listed the City and County as potential sponsors; but, no definite sponsors were identified. The sponsorship has now been changed to Stream Team. Affordability is now changed to medium because the project will include construction in creeks. Some project elements will require several permits to be acquired from the CDFW, the USACE, and the RWQCB. This project is now combined into Projects M and N.
77	Revised Low Impact Development and Green Infrastructure Implementation Program for Butte County Schools	Project features a long term approach for integrating LID practices into present and future maintenance and landscape design standards to assist the CUSD and BCOE schools in meeting existing storm water management goals. In addition, the Project will integrate a cohesive storm water educational program, targeting after-school programs.	High	Yes, Chico Unified School District	High	High	SWRP, includes POEI*	Affordability is Low (grant match available and targets DACs w/lowered match requirements). Implementability is High	Affordability has been changed to high. High Affordability means the project is more affordable than low affordablity. Implementability has been changed to high.
78	Revised Urban Landscape Water Conservation and Pesticide Reduction Project	Project features developing a City wide LID design and BMP Manual, implementing demo LID projects, riparian vegetation management, trash reduction program, develop green jobs training, develop water wise and habitat guide, rain-scapes reward program. See attachment for more details.	High	Yes, Stream Team	Low	High	SWRP, combined into P, includes POEI*	Sponsor is yes (Stream Team). Affordability is low. Implementability is High. Why not grouped under letter as you did with other projects? Could be listed with each separate watershed grouping ore choose M. Also has PEOI.	The sponsorhisp has been changed to Stream Team. This project has now been combined into Project P, is now a SWRP project, and POEI has been added. Affordability is low and Implementability is changed to high. Affordability is changed to low because the project has many elements and action needed to implement the elements will have to be determined and the elements will have to be priortized.
79	Revised Five Mile, Lindo Channel, and Sycamore Flood Diversion Stormwater Treatment and Habitat Enhancement Project	This Project will also enhance natural habits and wildlife corridors, and improve the function of an existing flood diversion system in need of repair to include fully functioning USGS gages, and telemetry. See attachment for more details	High	Yes, City of Chico	Medium	Medium	SWRP, combined into M		
80	Revised City of Chico Long-term Trash Reduction Project	Establish a long-term trash reduction program to achieve outcomes to meet State Trash TMDL and MS4 permit requirements. See attachment for more details	High	No	Low	Medium	Initial	Why grouped under I instead of M, N, O, Q? Affordability is Low. Implementabilty is High. Includes PEOI. Project elements are mostly incentive and educational and not trash structures: landfill coupons, curbside pick-up of large household items, prescription drugs and hazardous household waste recycling, free yard waste drop off, compost green-waste on-site campaigns, creek clean-ups, monitoring trash levels.	The City has selected Track 1 as their method for meeting the Trash Amendments, and therefore, many of these measures will not be needed to meet the State's Trash Amendment requirements. Projects M, N, O, and Q may include trash capture as an element within those projects, but trash capture is not the focus of those projects. Affordability has been changed to low. Implementability remains medium because the project has many elements, the actions needed to implement the elements will have to be determined, and the elements will have to be priortized.
81	Revised Chico Green Streets and Low Impact Development Implementation Project	The proposed Project features a long-term approach for integrating LID practices into present and future development design standards to assist the City in meeting State-mandated Municipal Stormwater Permit (MS4) requirements. See attachment for details	High	Yes, City of Chico	Low	High	SWRP, combined into P, includes POEI*	Why grouped as P (plan) instead of M and Q? Implementability is High. Implementation project not plan (LID demos, green streets, veg management, trash reduction activities). Includes POEI	This project was grouped with P because this project is a City-wide project. Project M is specific to Big Chico Creek. Project Q is specific to Teichert Ponds. Implementability was changed to high.
82	The Stream Team NSV IRWM Projects	Continue existing efforts of The Stream Team to educate and engage community members on how to monitor water quality in local watersheds. See attachment for details. Existing Projects - K-12 Watershed Education and Science Ambassador Program - Regional K-12 Watershed Education - North Sac. Valley Regional Water Quality Assessment Project 2016 list - Drought Response and Outreach Program For Schools including LID Implementation Projects - North Sac. Valley Regional Water Quality Assessment and Education Project	High	Yes, Stream Team	High	Low	SWRP, combined into P, includes POEI*	Why not grouped under SWRP letter? Choose M, N. Includes PEOI. Affordability is low, and Implementability is High. Sponsor is yes (Stream Team).	This project includes City-wide education and outreach activities. Consequently, this project has now been grouped into Project P, which covers City-wide activities. Projects M and N are watershed specific projects, so this project was not grouped under either Project M or N. Affordability has been changed to high. High affordability means the project is more affordable than low affordability. The sponsorship has been changed to Stream Team.

Table 1. Comments and Responses on the Intial Project Screening

Project Number or Letter	Title of Recommended Project	Project Description	Publicly Owned Land Evaluation (High, Medium, Low)	Project Sponsor Evaluation* (Yes, No)	Estimated Affordability Evaluation High, Medium, Low	Implementability Evaluation (High, Medium, Low)	Evaluate as a SWRP Project or Retain as an Initial Project (note A) (SWRP or Initial)	Comments Received from Stream Team	Response to Comment
83	Teichert Pond Water Quality Improvement Project	Implement trash reduction outreach campaign, trash and water quality surveys, install trash reduction structures in the inlets and outlets associated with Teichert Pond, initiate invasive plant removal projects and replant appropriate natives, initiate a homeless encampment reduction plan, collaborate with existing citizen monitoring to track project effectiveness and to provide related public stormwater education and outreach (target DACs, schools, businesses contributing runoff to Teichert Pond), green job training to assist with project implementation, develop outreach and education plan with roles for interested community organizations, connect bike path, initiate outdoor classroom curriculum linked with project objectives, LID implementation and green streets retrofit to reduce runoff carried to pond, improve wildlife and riparian habitat, recreation opportunities, picnic areas, walking/biking paths, informational signage, etc.	High	Yes, City of Chico	Low	Medium	SWRP, combined into Q, Trash reduction structures combined into I, includes POEI*	Implementability is High. Citizen monitoring program w/equipment and trained volunteers to conduct monitoring. Includes PEOI.	Implementability remains low because 1) this project includes elements that will require several permits to be acquired from the CDFW, the USACE, and the RWQCB (including installing trash reduction structures in the inlets and outlets associated with Teichert Pond), 2) some project elements are general and lack specific loctions (LID implementation and green streets retrofit to reduce runoff carried to pond). Many of the project elements will be expensive to implement. Citizens can conduct some elements of the project (monitoring), but citizens will not be able to conduct many elements of the project, incluiding: install trash reduction structures in the inlets and outlets, initiate a homeless encampment reduction plan, connect bike path, LID implementation and green streets retrofit, walking/biking paths. The project is already listed with POEI.
84	Comanche Creek Flood Control Study	The proposed project is to develop and implement a multifaceted, holistic program to manage the flood protection system along Comanche Creek from the Little Chico Creek Diversion Channel to Dayton Road. The goals of the project would be to: - Ensure the integrity of the flood control system. - Assess existing runoff flows and mitigate for increased flows due to development - Fully assess the system using modern analysis techniques and increased data, and ensure that the system can protect the urban and agricultural areas while considering possible climatic changes. - Identify improvements required to achieve FEMA certification. - Coordinate with the Bicycle Plan. - Optimize recreational opportunities. - Identify opportunities to enhance riparian habitat.	Medium	Yes, City of Chico	High	High	SWRP, combined into O		
85	Chapman Mulberry Rain Garden	This project benefits Little Chico Creek by intercepting nonpoint pollution and infiltrating it in basins mulched with appropriate species of fungus for mycoremediation. This project hopes to be an anchor project by beautifying the open space (052 zoned) for residents nearby, as well as serve as a demo garden for water-wise Native landscaping.	High	Yes, Earthshed Solutions	High	High	SWRP	Why grouped as stand alone SWRP instead of grouped under a letter like other projects? Could combine with project 72 (project proponants are willing to collaborate).	This project was grouped as a stand-alone project because it is a well defined specific project. In contrast, Project 72 incudes many diverse, general elements. The project sponsor should be aware that sponsorship entails a commitment by the sponsoring agency/organization of the needed capital funds and operations and maintenance funds. The sponsoring agency or organization may be asked to provide evidence of ability to fund the project or a fair share of the project if this project is grouped with other projects.
Consolidated/Grouped Projects									
A	Big Chico Creek and Mud Creek Watershed Wide Flood Control, Urban Drainage, Habitat, Public Open Space/Recreation Management Plan	The proposed project is to develop and implement a multifaceted, holistic program to manage the flood protection system of diversions and levees from Five Mile Recreation Area in Chico to the Sacramento River. The goals of the project would be to: - Ensure the integrity of the flood control system. - Fully assess the system using modern analysis techniques and increased data, and assure that the system can protect the urban area while considering possible climatic changes. - Manage gravel deposition at Five Mile and assure proper gravel migration downstream. - Develop management strategies that maximize benefits to salmon populations. - Coordinate with the Bicycle Plan. - Optimize recreational opportunities. - Identify opportunities to enhance riparian and wetland habitat, with an emphasis on endangered species such as the Sacramento Valley Long-horned Beetle. - Ensure system provides 200-yr level of protection per State regulations. - Maximize the use of County Service Area 24 funds. - Include LID where feasible. - Identify and correct erosion problems. - Install flow gages throughout creek (particularly in the upper watershed) to improve upon the availability and reliability of real-time flow data allowing more lead time for local responders to prepare for and manage a high flow event. The warning system could include water level sensors and telemeters to transmit flood information so that any abnormally large inflows and/or issues with debris on the gate structures would generate a alarm.	Medium	Yes, City of Chico	Medium	High	SWRP, combined into M	Why wasn't this grouped? Why not City sponsor? Affordability is low (plan).	This project is similar to Project M. However, Project M was preferred over this project. Nevertheless, this project has now been grouped with Project M. Publicly-owned land was changed to medium. Although this is a plan, preparing this plan would be expensive, so Affordability was ranked as medium. Sponsorship was changed to Yes, City of Chico.
B	Little Chico Creek Watershed Wide Flood Control, Urban Drainage, Habitat, Public Open Space/Recreation Management Plan	The proposed project is to develop and implement a multifaceted, holistic program to manage the flood protection system of diversions and levees from Little Chico Creek to Butte Creek. The goals of the project would be to: - Ensure the integrity of the flood control system. - Fully assess the system using modern analysis techniques and increased data, and assure that the system can protect the urban area while considering possible climatic changes. - Identify improvements required to achieve FEMA certification. - Coordinate with the Bicycle Plan. - Optimize recreational opportunities. - Identify opportunities to enhance riparian habitat, with an emphasis on endangered species such as the Sacramento Valley Long-horned Beetle. - Ensure system provides 200-yr level of protection per State regulations. - Include LID where feasible. - Identify and correct erosion problems. - Install flow gages throughout creek (particularly in the upper watershed) to improve upon the availability and reliability of real-time flow data allowing more lead time for local responders to prepare for and manage a high flow event. The warning system could include water level sensors and telemeters to transmit flood information so that any abnormally large inflows and/or issues with debris on the gate structures would generate a alarm.	Medium	Yes, City of Chico	Medium	High	SWRP, combined into N, includes POEI*	Why wasn't this grouped? Why not City sponsor?	This project is similar to Project N. However, Project N was preferred over this project. Nevertheless, this project has now been grouped with Project N. Publicly-owned land was changed to medium. Although this is a plan, preparing this plan would be expensive, so Affordability was ranked as medium. Sponsorship was changed to Yes, City of Chico.
C	Teichert Ponds	Update the Teichert Ponds Restoration Project Plan to evaluation and potential implementation of: - Reduction of homeless impacts to the ponds - Vegetation management - Erosion repairs - Trash Capture, suspended solids capture, water quality treatment of inflows - Reconstruct the outlet to be able to manage releases - Reroute the small east side storm drains so that they don't dump directly into Pond 1. - Remove the silt buildup in the ponds and its associated contaminants. - Separate Pond 1 (freshwater) from Ponds 2-3 and rework Ponds 2 and 3 so that Pond 2 can be periodically drained and cleaned. - Work with the Butte County Mosquito and Vector Control District to develop a plan that will reduce the need for mosquito control. - Remove the major invasive plant species: parrot's feather, tree of heaven, Himalayan blackberry, Chinese tallow tree, pyracantha and arundo (1-2 small stands). - The dirt roadway on the north side floods almost every winter. Solve this problem. - Finish removing the chain link fencing around Pond 1 to improve access for invasive plant control and trash cleanup. - Construct a walking trail on the east side of the Ponds to improve public access and reduce undesirable behavior (camping, encroachments by east side neighbors, yard waste dumping). Homeless camping is a major problem here; however, most of the camps are outside of the storm water area so they don 't directly affect the amount of trash going into Little Chico Creek. - Improve trash filtering on major east side storm water inlet and add filter on south inlet.	High	Yes, City of Chico	Medium	High	SWRP, combined into Q	Why is affordability and implementability evaluated differently? Some of the elements (veg removal) seem like affordability would be high. Why not City as sponsor?	Affordability and Implementability evaluate different items, and do not not necessarily have the same rating. Some elements of this project are more affordable than others, but the affordability rating evalutes the project as a whole. All the Teichert Pond projects were combined into Project Q, Project Q is sponsored by the City. Nevertheless, Sponsorship for this project is now changed to Yes, City of Chico. Implementability for this project was already ranked as high.
D	Creek Bank and Bed Stabilization Plan and Specific Projects, including:	Develop a Creek Bank and Bed Stabilization Plan and specific projects, including: - Left bank downstream of the Chestnut St. Bridge - Upper Bidwell Park road where runners and bicyclists cause erosion - Lindo channel pools	Low	Yes, City of Chico	Medium	High	SWRP, combined into M and N	Why wasn't this grouped? Why not City sponsor?	This grouped project is focused on identifying and repairing erosion problems. Grouped Project M includes this goal for Big Chico Creek and Mud Creek. Grouped Project N includes this goal for Little Chico Creek. Consequently this grouped project is now grouped with Projects M and N. Sponsorship is now changed to Yes, City of Chico.
E	Homeless Camping Reduction Program	Develop a program (or continue and improve current efforts) to help reduce storm water impacts from homeless encampment along creek, detention basins, bridges, and other areas where water quality is impacted.	Medium	Yes, City of Chico	Medium	Medium	SWRP, combined into M, N, O, P, and Q	Why not grouped? Implementability is High (plan). Why is publicly owned land not yes or no?	This grouped project is focused on homeless camping reduction and includes all elements of other projects related to homeless impact reduction. Implementability was rated as medium because homelessness is a complex problem and will be difficult to resolve. Publicly owned land is now changed to medium. This project is now combined into M, N, O, P, and Q.
F	Storm Water Public Outreach, Education, and Involvement Program	Modify the City's existing outreach program to include storm water education, LID/BMP education, trash clean up events. Include activities that engage and involve the public in storm water events.	High	Yes, City of Chico	Medium	High	SWRP, combined into P, includes POEI*	Why not grouped? Why not City sponsor? PEOI.	This grouped project is focused on Public Outreach, Education, and Involvement. Grouped Project P includes this goal and associated programs. Consequently, this grouped project is now grouped with Project P. Sponsorship is now changed to Yes, City of Chico.

Table 1. Comments and Responses on the Intial Project Screening

Project Number or Letter	Title of Recommended Project	Project Description	Publicly Owned Land Evaluation (High, Medium, Low)	Project Sponsor Evaluation* (Yes, No)	Estimated Affordability Evaluation High, Medium, Low	Implementability Evaluation (High, Medium, Low)	Evaluate as a SWRP Project or Retain as an Initial Project (note A) (SWRP or Initial)	Comments Received from Stream Team	Response to Comment
G	Storm Water Monitoring for compliance with MS4 permit	Continue the City's storm water monitoring activities as needed to meet the requirements of the MS4 permit.	High	Yes, City of Chico	High	High	SWRP	Why not grouped under a letter? Why stand alone SWRP project? Why Yes instead of High for public land? Affordability is low/medium (based on current monitoring requirements). How were costs ranked (<$50K-low, > $100K-high, etc.)? Implementability is High (QAPP /MP exists, and citizen monitoring program w/equipment and trained monitors).	This project is a stand-alone project because it entails monitoring that is necessary for the City MS4 permit compliance. This project is currently funded and is ongoing. Consequently, grouping this project with other projects is not necessary. The Publicly Owned Land evaluation was changed to High. This on-going program is very affordable in comparison to other projects. The affordability rating is based on a qualitative assessment of the cost of the project or program relative to the other projects or programs.
H	Low Impact Development and Water Quality Best Management Practices Management Plan and Specific Projects	Develop a Low Impact Development and Water Quality Best Management Practices Management Plan and Implement Specific Projects, including: - Hagen Lane Business Park outlet filtering - Valine outlet filtering - Wrex outlet filtering - Midway Bridge northwest outlet filtering - RDA property north of the Boucher St. Bridge for storm water infiltration - Bidwell Park Enhancements - Green street and parking lot retrofits - City and County Corp. Yard retrofits - Demonstration projects for public - City of Chico LID and BMP Design Manual - Target LID to disadvantaged communities The program would identify specific LID projects and activities to be implements over a 25-year time period using a rational approach that provides the greatest potential benefits and is affordable and fundable by the City.	Medium	Yes, City of Chico	Low	Medium	SWRP, combined into P, includes POEI*	Why not grouped? Sponsor is City. Affordability is low. Implementability is High. Public land-yes or no?	Grouped Project P includes this project's goals and associated program. Consequently, this grouped project is not needed. However, because this project lists several specific projects, this project is now grouped with Project P and the sponsor is the City of Chico. Implementability is medium because this project includes development of a plan of how to implement LID over the next 25 year. Some of the LID projects will likely be difficult to implement. The Publicly Owned Land rating was changed to medium because some of the LID project may be on private property.
I	Trash Reduction Master Plan and Specific Projects, including:	Implement specific trash capture projects at Teichert ponds, Fair Street Detention Basin, and Meyers and Otterson Industrial Parks Develop a Trash Reduction Master Plan and Specific Projects: The master plan would identify specific trash reduction projects and activities to be implemented over a 20-year time period that meets the requirements of the Trash Amendments and uses a rational approach that provides the greatest potential benefits and is affordable and fundable by the City.	Medium	Yes, City of Chico	Low	Medium	SWRP, includes POEI*	Why listed as stand alone SWRP instead of grouped under letter I? Why is affordability ranked low for some trash projects and high for others?	This project is not grouped with Project I because this project is Project I. The three projects that are focused primarily on trash capture include Projects 23, 80, and I. Affordability is ranked as low for all three of these projects. There are other project that inlcude trash capture as an element of the project, and affordability for those projects was evaluated for the project as a whole, not specifically for the trash capture element of the project.
J	Detention Basin Implementation and Modification Plan	Develop a Detention Basin Implementation and Modification Plan and specific projects including: - Fair Street Detention Basin	Medium	Yes, City of Chico	Low	Medium	SWRP, combined into O, N, R, includes POEI*	Why not grouped with other detention basisn projects? Implementability is High (plan).	The other detention basin projects were grouped as follows: - Project O covering Comanche Creek includes detention basin projects 17, 35, and 62. - Project N covering Little Chico Creek includes detention basin projects 18 and 69. - Project R covering just the Fair Street Detention Basin includes projects 43 and 60. Consequently, this project covering the detention basins as a group is now grouped with these other projects as appropriate. Sponsorship was change to Yes, City of Chico. Implementability for this project was rated as medium because a study will be needed to determine the specific improvements needed at each basin and to priortize the improvements.
K	Habitat Improvement Plan and Specific Projects	Develop a Habitat Improvement Plan and Specific Projects, including: - Remove invasive yellow flag iris from Comanche Creek - Arundo removal from Little Chico Creek (develop a management plan and conduct removal projects) - Restoration projects in the upper watershed - Restoration projects in the City	Medium	Yes, City of Chico	Low	Medium	SWRP, combined into M and N	Why not grouped? Implementability is High (plan). Why is publicly owned land not yes or no?	The goals and project elements from this project were included in Projects M and N. Consequenlty, this project is now grouped with Projects M and N. Sponsorship has been changed to Yes, City of Chico. The Publicly Owned Land rating was change to medium.
L	Energy Conservation and Greenhouse Gas Reduction Program	Develop a program to help reduce energy use and greenhouse gas production. Also includes sequestering greenhouse gases through tree planting and other means.	Medium	No	Low	Medium	Initial	Why not grouped? Implementability is High (plan). Why is publicly owned land not yes or no?	Energy conservation and greenhouse gas reduction represent a program that is much larger than just stormwater. Consequently, it would be better for this program to be implemented by another City department, by the County, by the State of California, or by the Federal Government. Therefore, this project was not sponsored by the City, and remains an Initial Project. The Publicly Owned Land rating was change to medium.
M	Big Chico Creek 21st Century Management	The proposed project is to develop and implement a multifaceted, holistic program to manage the flood protection system of diversions and levees from Five Mile Recreation Area in Chico to the Sacramento River. The goals of the project would be to: - Ensure the integrity of the flood control system: Fully assess the system using modern analysis techniques and increased data, and assure that the system can protect the urban area while considering possible climatic changes; review settings of diversion structures. Balance flows to decrease scour, improve flood protection, and improve habitat; Ensure system provides 200-yr level of protection per State regulations; Evaluate expanding floodplain; Install flow gages, water level sensors, and telemeters to transmit flood information so that any abnormally large inflows and/or issues with debris on the gate structures would generate an alarm. - Optimize recreational opportunities; Coordinate with the Bicycle Plan; i.e. complete the planned bike path along the Bypass to connect to the Floral Ave bike path - Maximize the use of County Service Area 24 funds. - Include LID where feasible: Improve GW recharge and stormwater infiltration in upper watershed, Infiltration in Lindo Channel, Bidwell Park SW Management: Infiltration, grassy swales, - Identify and correct erosion problems: Biofilters before water enters creeks to reduce sediment in creek due to erosion from cyclists and runners; Improve Upper Bidwell Park Road to reduce erosion in BCC and improve access to the Park; Erosion at Hooker Oak Park - Detention Basins: Create detention area in Lower Bidwell Park just west of the east most parking area off Peterson Memorial Drive; Create small detention basin on the right (north) bank of BCC just downstream of the Vallombrosa Bridge (part of the city-owned Lost Park area). - Restore ecosystem: Manage gravel and sediment deposition at Five Mile and assure proper gravel migration downstream; Community Creek cleanups; invasive species removal; removal of fish migration blockages; Identify opportunities to enhance riparian and wetland habitat, with an emphasis on endangered species such as the Sacramento Valley Long-horned Beetle. Remove invasive plants, install native plants, and remove debris and deposition. -Develop a program (or continue and improve current efforts) to help reduce storm water impacts from homeless encampment along creek, detention basins, bridges, and other areas where water quality is impacted.	Medium	Yes, City of Chico Yes, Stream Team	Medium	High	SWRP, includes POEI*	Why grouped as stand alone SWRP project instead of grouped under a letter (M, etc.)? How were affordability and implementability rankings determined?	This project is not a stand-alone project, it is a grouped project. This project was not grouped with Project M because this project is Project M. Because this project constitutes a large planning/study project, it was rated as medium for affordability and high for implementability.

Table 1. Comments and Responses on the Intial Project Screening

Project Number or Letter	Title of Recommended Project	Project Description	Publicly Owned Land Evaluation (High, Medium, Low)	Project Sponsor Evaluation* (Yes, No)	Estimated Affordability Evaluation High, Medium, Low	Implementability Evaluation (High, Medium, Low)	Evaluate as a SWRP Project or Retain as an Initial Project (note A) (SWRP or Initial)	Comments Received from Stream Team	Response to Comment
N	Little Chico Creek 21st Century Management	The proposed project is to develop and implement a multifaceted, holistic program to manage the flood protection system of diversions and levees from Little Chico Creek to Butte Creek. The goals of the project would be to: - Ensure the integrity of the flood control system. - Recalibrate LCC diversions into Butte Creek - Fully assess the system using modern analysis techniques and increased data, and assure that the system can protect the urban area while considering possible climatic changes. - Identify improvements required to achieve FEMA certification. - Coordinate with the Bicycle Plan. - Optimize recreational opportunities. - Identify opportunities to enhance riparian habitat, with an emphasis on endangered species such as the Sacramento Valley Long-horned Beetle. - Ensure system provides 200-yr level of protection per State regulations. - Include LID where feasible. - Evaluate City corp yards - Evaluate Chaptman/Mulberry neighborhoods - Cal Park Green Streets - Identify and correct erosion problems. - Install flow gages throughout creek (particularly in the upper watershed) to improve upon the availability and reliability of real-time flow data allowing more lead time for local responders to prepare for and manage a high flow event. The warning system could include water level sensors and telemeters to transmit flood information so that any abnormally large inflows and/or issues with debris on the gate structures would generate a alarm. - Create channel(s) to intercept peak flows in large basins to mitigate flood risk and erosion as well as enhance recharge and create wetland for wildlife and public enjoyment. -Develop a program (or continue and improve current efforts) to help reduce storm water impacts from homeless encampment along creek, detention basins, bridges, and other areas where water quality is impacted.	Medium	Yes, City of Chico Yes, Stream Team	Medium	High	SWRP	Why grouped as stand alone SWRP project instead of grouped under a letter (M, etc.)? How were affordability and implementability rankings determined?	This project is not a stand-alone project, it is a grouped project. This project was not grouped with Project M because this project is related to Little Chico Creek and Project M is related to Big Chico Creek. Because this project constitutes a large planning/study project, it was rated as medium for affordability and high for implementability.
O	Comanche Creek Management Program	- The proposed project is to develop and implement a multifaceted, holistic program to manage the flood protection system along Comanche Creek from the Little Chico Creek Diversion Channel to Dayton Road. The goals of the project would be to: - Ensure the integrity of the flood control system. - Assess existing runoff flows and mitigate for increased flows due to development - Fully assess the system using modern analysis techniques and increased data, and ensure that the system can protect the urban and agricultural areas while considering possible climatic changes. - Identify improvements required to achieve FEMA certification. - Optimize recreational opportunities and Coordinate with the Bicycle Plan. - Identify opportunities to enhance riparian habitat. - Identify where LID projects can be implemented, i.e. convert southwest outlet at Midway Bridge into a bioswale. - Construct detention basins per the 1997 SDMP amendment - Improve bike paths around Comanche Creeks - Encourage alternative transportation for employees of businesses in this area, as currently all of Otterson Dr. is used by employee parking for Build.com. - Quality -Provide filtering of stormwater runoff at northwest outlet at Midway Bridge and at outlets at Valine and Wrex. -Provide filtering of stormwater runoff from Hegan Lane Business Park (outlet into CC is west of CCG, pollutants are probably mostly hydrocarbons from the large amount of impervious surfaces of parking lot and street parking). - Remove and reduce trash - Gain a better understanding of Comanche Creek water levels and operations -Develop a working relationship with M&T Ranch to coordinate communications about their control of the water level in CC with creek cleanups and other in-stream activities. - Develop a better understanding of when they reduce water flows and plan in-stream activities based on this information. -Provide real-time online information about water flow diversion into Comanche Creek (CC) at Phelan Dam to help with trash removal efforts downstream, especially at Comanche Creek Greenway (CCG). -Enhance CC operations - Remove invasive vegetation -Reduce silt buildup in CC - Reduce silt entering CC from Fair Street Detention Basin -Develop a program (or continue and improve current efforts) to help reduce storm water impacts from homeless encampment along creek, detention basins, bridges, and other areas where water quality is impacted.	Medium	Yes, City of Chico	Medium	High	SWRP	Why grouped as stand alone SWRP project instead of grouped under a letter (M, etc.)? How were affordability and implementability rankings determined?	This project is not a stand-alone project, it is a grouped project. This project was not grouped with Project M because this project is related to City-wide draiange issues and problems, and Project M is related to Big Chico Creek. Because this project constitutes a large planning/study project, it was rated as medium for affordability and high for implementability.
P	Updating the City's stormwater planning and policies	- Update City's SW policies and regulations to include developing computer models of the City's drainage system that are capable of modeling water quality. It would include evaluating drainage and flood control, implementation of low impact development, water quality best management practices, and would include programs like creek clean ups, water quality monitoring, and habitat enhancement, etc. It would include opportunities to use storm water for landscape irrigation or other uses. It should have a public education element too. A goal should be to address hydromodification from development. - Update the City's development standards to clearly identify what water quality improvements and facilities are needed, how the improvements should be sized, what process is to be used for achieving approval of the storm water quality improvements and facilities by the City, and identification of storm water quality development impact fees. The project should also identify what the annual O&M costs are for the improvements and facilities, estimate the annual O&M costs, and identify a method like establishment of a water quality zone of benefit or community facilities district that results in monthly storm water fees being paid by new development. Additionally, regulations and policies for the existing City should be established or updated, and a funding mechanism for generating storm water funds from the existing City areas should be evaluated, hopefully leading to a secure O&M funding source. - Identify where channel stabilization and riparian habitat enhancement is needed - Establish a stream maintenance inspection and monitoring program, include trash and debris removal, exotic plant eradication, revegetation and stream bank repair and maintenance. Could lean heavily on volunteers. - Develop stormwater capture and reuse plan - Identify and evaluate groundwater recharge - Identify street segments and parking lots that can be retrofitted into green streets or green parking lots using vegetated swales, vegetated buffer strips, bioretention planters, and mechanical treatment systems - Evaluate where LID is needed, including Bidwell Park - Where there is room between the channel and the borders of the Greenbelt pull back storm Drain outfalls and install Bioswales, with spreading slabs and Energy dissipation before the channel. - Create Hydrologic Floodplains on streams - Bank Slope Reduction and Stabilization in ag and rural areas - Develop a water-wise and river-friendly landscape program -Develop a program (or continue and improve current efforts) to help reduce storm water impacts from homeless encampment along creek, detention basins, bridges, and other areas where water quality is impacted.	Medium	Yes, City of Chico, Yes, Stream Team	Medium	High	SWRP	Why grouped as stand alone SWRP project instead of grouped under a letter (M, etc.)? How were affordability and implementability rankings determined?	This project is not a stand-alone project, it is a grouped project. This project was not grouped with Project M because this project is related to City-wide draiange issues and problems, and Project M is related to Big Chico Creek. Because this project constitutes a large planning/study project, it was rated as medium for affordability and high for implementability.

Table 1. Comments and Responses on the Intial Project Screening

Project Number or Letter	Title of Recommended Project	Project Description	Publicly Owned Land Evaluation (High, Medium, Low)	Project Sponsor Evaluation* (Yes, No)	Estimated Affordability Evaluation High, Medium, Low	Implementability Evaluation (High, Medium, Low)	Evaluate as a SWRP Project or Retain as an Initial Project (note A) (SWRP or Initial)	Comments Received from Stream Team	Response to Comment
Q	Teichert Ponds Improvement Project	**Pond Improvements** Reroute the small east side storm drains so that they don't dump directly into Pond 1. Remove the silt buildup in the ponds and its associated contaminants. Separate Pond 1 (freshwater) from Ponds 2-3 and rework Ponds 2 and 3 so that Pond 2 can be periodically drained and cleaned. Work with the Butte County Mosquito and Vector Control District to develop a plan that will reduce the need for mosquito control. Remove the major invasive plant species: parrot's feather, tree of heaven, Himalayan blackberry, Chinese tallow tree, pyracantha and arundo (1-2 small stands). Improve outfall screening to reducing buildup and flooding. Convert some portion of the first pond and the adjacent area to a cleanable settling and trash removing basin and a constructed wetland to absorb toxins and sediment and to be removed periodically. **Site Improvements** The dirt roadway on the north side floods almost every winter. Solve this problem. Finish removing the chain link fencing around Pond 1 to improve access for invasive plant control and trash cleanup. Construct a walking trail on the east side of the Ponds to improve public access and reduce undesirable behavior (camping, encroachments by east side neighbors, yard waste dumping). limit illegal encampment to reduce trash buildup connect bike path, LID implementation and green streets retrofit to reduce runoff carried to pond **Community Outreach/Education** Implement trash reduction outreach campaign and trash and water quality surveys collaborate with existing citizen monitoring to track project effectiveness and to provide related public stormwater education and outreach (target DACs, schools, businesses contributing runoff to Teichert Pond), green job training to assist with project implementation, develop outreach and education plan with roles for interested community organizations, initiate outdoor classroom curriculum linked with project objectives Develop a program (or continue and improve current efforts) to help reduce storm water impacts from homeless encampment along creek, detention basins, bridges, and other areas where water quality is impacted.	High	Yes, City of Chico	Low	Low	SWRP	Why grouped as stand alone SWRP project instead of grouped under a letter (M, etc.)? How were affordability and implementability rankings determined?	This project is not a stand-alone project, it is a grouped project. This project was not grouped with Project M because this project is related to Techert Ponds, and Project M is related to Big Chico Creek. Construction of many project elements will be expensive, so Affordability was rated low. Many of the project elements will require several permits to be acquired from the CDFW, the USACE, and the RWQCB, so Implementability was rated low.
R	Fair Street Detention Basin Improvement Project	Remove vegetation to limit illegal encampments (trash buildup), Improve paths/roads around pond. Improve outfall screening to reduce buildup and flooding. BD Ditch Repairs to reduce flooding	High	Yes, City of Chico	Low	Low	SWRP	Why grouped as stand alone SWRP project instead of grouped under a letter (M, etc.)? How were affordability and implementability rankings determined?	This project is not a stand-alone project, it is a grouped project. This project was not grouped with Project M because this project is related to the Fair Street Detention Basin, and Project M is related to Big Chico Creek. This project was rated with a low Affordability because the construction elements of this project will be difficult and expensive to implement. Because this project will require significant permitting effort (the BD ditch work), it was rated with low Implementability.
Note: For "initial" rated projects, see related grouped/consolidated projects at bottom of this table (lettered projects).					Total Number of SWRP Projects		101		
* POEI = Public outreach, education, and involvement				Number of Projects Identified as Initial Projects:			14		
				Number of Projects Identified as SWRP Projects:			87		
		Number of SWRP Projects when Projects are Combined as Described Above:					18		
			Projects that Include Public, Outreach, Education, or Involvement:				55		
					Specific SWRP Projects		16 & 68, 33, 40, 44, 47, 59, 65, 73, 77, 85, G, I, M, N, O, P, Q, R		

*Project sponsorship includes a commitment of the project's required capital and annual operations and maintenance funding.

Legend:

SWRP Project is being considered for by the Technical Advisory Committee for further evaluation, ranking, and prioritization.