



**CITY OF CHICO**  
**BIDWELL PARK AND PLAYGROUND COMMISSION (BPPC)**

Regular Meeting Agenda  
June 29, 2015, 6:30 pm  
Municipal Center - 421 Main Street, Council Chamber

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*Materials related to an item on this Agenda are available for public inspection in the Park Division Office at 411 Main Street during normal business hours or online at <http://www.chico.ca.us/>.*

**1. REGULAR COMMISSION MEETING**

1.1. Call to Order

1.2. Roll Call

1.3 Special Recognition: Park Watch Members of the Month: Pammi Singh (December), Alex Buchmiller (January), Marie Hart (February), Chris Johnson (March), Jack Pawledge (April), Keith and Karen Johnson (May).

**2. CONSENT AGENDA**

All matters listed under the Consent Agenda are to be considered routine and enacted by one motion.

2.1. Approval of Meeting Minutes

**Action:** Approve minutes of BPPC held on 4/27/15.

**ITEMS REMOVED FROM CONSENT** – if any

3. **NOTICED PUBLIC HEARINGS** - None

**4. REGULAR AGENDA**

4.1. Permit for Soul id Wakeboard Competition in Sycamore Pool (9/13/15)

Applicant (Soul id) request a permit to host a wakeboard competition at Sycamore Pool. A wench will propel wakeboarders through a course set-up in the Sycamore Pool. The applicant was responsive to staff concerns on impact to the pool, low water levels, and minimizing impacts to non-participants. Staff also suggested that the applicant prepare for an alternative venue because of low water. **Recommendation:** *Conditional Approval.*

4.2. Conceptual Approval for a Community Rose Garden at the CARD Community Center (545 Vallombrosa Avenue, Chico, California)

The Chico Area Recreation District (CARD) requests input and final approval of a proposed Rose Garden. CARD leases the property from the City of Chico and any improvements need City approval. Conceptual approval was granted by the BPPC January 2014. The applicant has developed a more detailed design and solutions to previous concerns have been addressed. **Recommendation:** *Staff recommends approval of the project.*

4.3. Consideration of guidelines to convert parkway areas to more water efficient landscapes.

With the prolonged drought and mandatory water budgets, many residents are wanting to convert parkway strips, which are in the City's right-of-way but are the homeowner's responsibility, to more water efficient landscapes. Section 14.40.120 of Chapter 14.40 – Street Trees of the Chico Municipal Code (CMC) requires that a permit must be obtained to plant or remove trees or shrubs within all public rights-of-way (ROW). Staff is proposing establishing guidelines and some revisions to the Chico Municipal Code (CMC) related to these conversions and water conservation. **Recommendation:** *Staff recommends that the BPPC forward a recommendation that the City Council to approve the proposed guidelines and CMC changes, as may be amended by the BPPC.*

**5. BUSINESS FROM THE FLOOR**

Members of the public may address the Commission at this time on any matter not already listed on the agenda; comments are limited to three minutes. The Commission cannot take any action at this meeting on requests made under this section of the agenda.

**6. REPORTS**

Items provided for the Commission's information and discussion. No action can be taken on any of the items unless the Commission agrees to include them to a subsequent posted agenda.

- 6.1. Peregrine Point Disc Golf Course / ORAI Agreement Report, Dan Efseaff, Park and Natural Resource Manager
- 6.2. Parks and Street Trees Division Report - Dan Efseaff, Park and Natural Resource Manager.

**7. ADJOURNMENT**

Adjourn to the next regular meeting on July 27, 2015 at 6:30 p.m. in the Council Chamber of the Chico Municipal Center building (421 Main Street, Chico, California).



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Please contact the Park Division Office at (530) 896-7800 if you require an agenda in an alternative format or if you need to request a disability-related modification or accommodation. This request should be received at least three working days prior to the meeting.



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**CITY OF CHICO**  
**BIDWELL PARK AND PLAYGROUND COMMISSION (BPPC)**

Minutes of  
April 27, 2015 Regular Meeting

**1. REGULAR COMMISSION MEETING**

**1.1. Call to Order**

Chair Morovec called the meeting to order at 6:30 pm.

**1.2. Roll Call**

**Commissioners present:**

Mary Brentwood  
Marisa Corley  
Alberto Hernandez  
Jim Moravec  
Valerie Reddemann  
Janine Rood  
Drew Traulsen

**Staff present:** Dan Efseaff (Park and Natural Resource Manager) and Nancy Kelly (Administrative Assistant).

**1.3. Special Presentation:** A presentation on the Joint Safe and Clean effort at Lost Park/Annie's Glen/Children's Playground was provided by Melanie Basset, Woody Elliott and Richard Elsom.

**2. CONSENT AGENDA**

All matters listed under the Consent Agenda are to be considered routine and enacted by one motion.

**2.1. Approval of Meeting Minutes**

Action: Approve minutes of BPPC meeting held on March 30, 2015.

**MOTION:** Approve the consent agenda as submitted. **MADE BY:** Rood **SECOND:** Brentwood. **AYES:** 7 (Brentwood, Corley, Hernandez, Moravec, Reddemann, Rood, and Traulsen). **NOES:** 0.

**3. PUBLIC HEARINGS – None**

**4. REGULAR AGENDA**

**4.1. MMX Racing, Inc. – Obstacle Course Race (8-29-15)**

MMX Racing, Inc. had requested a permit to host a 5K obstacle course in Lower Bidwell Park, along the standard map race course, on Saturday, August 29, 2015. This would be the second year the applicant has held this event and anticipates approximately 501-750 participants. **Recommendation:** *Conditional Approval.*

Park & Natural Resources Director Efseaff provided an overview of the item. Staff worked with the applicant on the logistics of getting everything in and out of the park. This is the second year of the event with one new obstacle being added – the water cage. Staff recommended that since that activity is proposed to take place on Sycamore field, a CARD facility, they should contact CARD to make sure this would not impact their facilities.

The applicant, Jerrad Fisher was in attendance at the meeting.

Commissioner Traulsen was interested in how much money comes back to the park. Fisher responded that the first year of the event, there was a loss so nothing went back to the park. This year, he is guaranteeing a minimum of \$1,000 to go towards the restoration of the Vita trails.

An estimate of 500-700 people are expected to take part in the event; however, there is no hard limit to the number of people participating. The age group is expected to be in the 30-45 range.

Commissioner Brentwood asked about any issues from the previous event. Efsseff stated that there were a few logistical issues but they were worked out. Overall, it ran smoothly.

Commissioners Traulsen and Brentwood addressed the issue of "for-profit" entities that are using public land for profit. Brentwood was happy to hear that Mr. Fisher is willing to donate back to the City. She would like to see a policy developed that addresses the issue of "for profit" businesses and entities using public land and facilities. She asked about the status of this.

Efsseff offered that this would fall under the Commission's work plan. After the budget is settled, there can be a discussion in regards to fees and "for-profit" vs. "non-profit." Traulsen was in full support of a policy where "for-profit" entities would be required to contribute back to the park.

Commissioners Moravec and Traulsen were concerned about other park users being negatively impacted. Fisher responded that he and Efsseff had walked the park and have determined placement of obstacles in such a way that they don't impede other park users.

#### Comments from the Public

Woody Elliott (Friends of Bidwell Park) – applauded the use of lower park for events such as this. He was in full support of monies being donated back to the Parks Department for the purpose of maintaining the facilities in Bidwell Park.

**MOTION:** To approve the application with the conditions outlined by staff in the staff report. **MADE BY:** Rood **SECOND:** Hernandez. **AYES:** 6 (Corley, Hernandez, Moravec, Reddemann, Rood, and Traulsen). **NOES:** 1 (Brentwood).

#### **4.2. Consideration of Proposal for "Ride and Decide" Art Installation at the One Mile Recreation Area**

The Chico Velo Cycling Club, initiated the Ed McLaughlin Art Program, an ongoing campaign of art projects designed to promote and enhance Chico's reputation as a bike-friendly city. Chico Velo has proposed a functional public art work installation in Bidwell Park. The art piece will be located at the north One Mile Recreation Area on the lawn area, east of the bridge bike path at Vallombrosa Way.

Commissioner Rood recused herself as she is the Executive Director of Chico Velo. Chair Moravec recused himself as he is a member of Chico Velo and as a business owner, supports activities of Chico Velo. Vice-chair Brentwood took over conducting the meeting.

Efsseff provided an overview of this item. He explained that many location options were explored; with the North One Mile location being the best fit and it is already a frequent meeting site for bicyclists. Efsseff emphasized that the structure must be maintained; it should not contain breakable devices; it should be vandal resistant (easy to clean); that there were no sight line restrictions; and that there was no undue blocking of the pathway.

There are no particular requirements that the Master Management Plan provides.

Chico Velo would provide an initial deposit for the upkeep of the art work. The City would cover the costs associated with graffiti removal but, any substantial repairs would be handled by Chico Velo.

#### Comments from the Commission

Commissioners Corley and Hernandez were concerned that there really isn't a lot of space in that area and if too many bicyclist gather at one time, it might block the bridge traffic.

Geno Gruber (Chico Velo) explained that they wait around for no more than 15 minutes so there really aren't any issues.

#### Comments from the Public

Jeff Lindsey (artist) will be creating the art piece. He explained the process and medium used in creating the piece and that it would be very durable.

Ann Schwab (President of Chico Velo Cycling Club) spoke in favor of the art installation. She acknowledged that this art piece is a tribute to the late Ed McLaughlin.

Commissioner Reddemann applauded Chico Velo and was in support of the art piece.

Commissioner Hernandez asked how this spot was selected. Efseaff stated that they looked all over, but this location seemed to be a logical location.

Commissioner Corley acknowledged that a lot of thought and work went into this and didn't feel it would change the historical spot near the bridge.

Commissioner Brentwood felt it seemed the selected spot was made for the art piece and that she applauds the effort. Chico is known for its biking community and she feels this is value added.

**MOTION:** To accept the proposal for a "Ride and Decide" art installation at the One Mile recreation area. **MADE BY:** Reddemann **SECOND:** Hernandez. **AYES:** 5 (Brentwood, Corley, Hernandez, Reddemann, and Traulsen). **NOES:** 0 **Recused:** 2 (Moravec and Rood).

**5. BUSINESS FROM THE FLOOR – None.**

## **6. REPORTS**

### **6.1. Parks and Street Trees Division Report – Dan Efseaff. Park and Natural Resource Manager**

Park and Natural Resource Manager Efseaff reported the following:

Once Mile concession stand will be opening soon; the Park office has relocated to the third floor of the Municipal Center; Peregrine Point disc golf monitoring report will come before the Commission next month; current Park Ranger Lisa Barge has been promoted to Senior Park Ranger and two new rangers will be hired in addition to our current hourly staff; the lifeguard program with CARD is on track; there has been an increase in 'smash and grab' incidents in the park parking lots; Chico Velo as well as others have invested a great deal of time in trail work and signage; and, *Picnics in the Plaza* are continuing on Tuesdays. Efseaff provided an overview of the new format recapping street-tree related data.

Moravec inquired about the One Mile concession stand agreement. It was created in 2010 and it has since been modified. The level of revenue the City is getting is not what was expected. He would like this to be considered at the time of renewing the agreement.

**6.2. Horseshoe Lake parking lot E Monitoring Report – Dan Efseaff, Park and Natural Resource Manager**

Park and Natural Resource Manager Efseaff provided an overview of the Annual Monitoring Report for Horseshoe Lake Parking Area E. This report was prepared to comply with the Post-Closure Maintenance Plan and the Monitoring and Report Program for the Conditional Waiver of the Waste Discharge Requirements Order No. R5-2005-0049, issued on March 17, 2005 by the Central Valley Regional Water Quality Control Board. The monitoring program includes annual sampling of the supply well and Horseshoe Lake and quarterly sampling for the swales and the subsurface vault when water is present.

**7. ADJOURNMENT**

Adjourn at 7:55 p.m. to the next regular meeting on May 18, 2015 at 6:30 p.m. in the Council Chamber of the Chico Municipal Center building (421 Main Street, Chico, California).

Date Approved:    /    /   .

Prepared By:

\_\_\_\_\_  
Nancy Kelly, Administrative Assistant

\_\_\_\_\_  
Date

Distribution: BPPC





# BPPC Staff Report

Meeting Date June 29, 2015

DATE: 6/18/15  
 TO: Bidwell Park and Playground Commission (BPPC)  
 FROM: Lisa Barge, Senior Park Ranger  
 SUBJECT: Soul id Wakeboard Competition in Sycamore Pool, 9/13/15

### REPORT IN BRIEF:

Applicant (Soul id) requests a permit for the use of Sycamore Pool for a wakeboard competition after the traditional swim season ends. Known for its novelty and extreme sporting events, Soul id is offering an entertaining competition with ramps and rails for competitors to negotiate. The wakeboarders will be pulled by a winch located by the southwest corner of the pedestrian bridge. The winch is powered by a small gas generator and will be roped off from the general public. The various winch lines will carry boarders from the northeast side of the pool and terminate before the dam.

**Recommendation:** Conditional approval of permit

### Event Details

Date of Application	03/16/15
Date and Time of Event	09/13/2015 1100 A.M. – 4:00 P.M.
Event Name	Soul id Wakeboard Competition
Applicant Name	Eli Libby / Soul id
Description	Wakeboard Competition
New Event? / # years?	New event
# Participants	20 participants; 700 spectators
Reason for BPPC Consideration?	Unusual activity in a non-

### Discussion

Wakeboarding has never occurred in Sycamore Pool (waterskiing has), and so the Bidwell Park Master Management Plan (BPMMP) (EDAW 2008) does not address this activity specifically, but several objectives may help with a decision. Pertinent objectives (O) and Implementation Strategies and Guidelines (I) include:

- O. RC-1. Provide recreational opportunities for Chico residents and others in the Park that currently are not provided for in other local settings, while balancing the need to protect the Park’s natural resources.
- O. VU-2. Match existing and desired uses to the area in the park most suitable to a particular use.
- O. RA-1. Continue to provide a wide variety of recreational opportunities for Park users.
- O. RA-3. Manage recreational facilities/events to avoid or minimize conflict between different Park users. I.RA-3. Existing uses should be prioritized and alternatives should be sought for uses with high potential for conflict; alternatives should be sought where necessary.
- O. Lower-1. Continue to utilize Lower Park as the focal point for intensive and developed recreational uses within Bidwell Park.
- O. 1M-1. Manage the One-Mile Recreation Area as a multi-use community recreational resource.

While there are a number of objectives that may apply, the list above is representative and may help the BPPC. The BPPC is tasked with determining if the event is in the public interest and does not unreasonably impact the public’s use of Bidwell Park.

In the course of meeting with the applicant, staff asked the following questions: 1) Can damage to the pool be avoided? 2) What environmental resources may be impacted and how to minimize the impacts? 3) How can the applicant minimize negative impacts to other park visitors? The applicant responded to changes in the proposal.

Permitted uses have an obligation to ensure that the activity will not impact the resources of the Park. The nature of the event, with a relatively large number of spectators means potential impacts on the Park. Staff met with the applicant in May and discussed the difficulties related to late summer water levels and the drought as well as logistics of the event overall. The Department of Water Resources was consulted with in relation to the fuel for the generator on the pool deck. Access to Vallombrosa Way, with hundreds of people on the north side of One Mile was a concern for staff.

Because of the challenging logistics on putting on such an event and anticipating concerns of the BPPC, Staff requested that the applicant provide additional information: 1) Demonstrate experience with similar events; 2) Verification that applicant insurance or resources would pay for emergency response in case of accident or injury; 3) if the event has any component to park (donation from proceeds or from individuals, or provide volunteer efforts)? 4) Applicant should be prepared to provide an alternative venue (such as Scotty's Landing or the Thermalito Forebay).

### **Conditions**

Staff recommends the following conditions. Applicant will:

1. Adhere to all park rules.
2. Provide higher limits for insurance coverage appropriate for City Risk Manager.
3. Provide sufficient monitoring and barriers to keep spectators away from winch.
4. Arrange for EMS support/standby during the race.
5. Provide 2 certified lifeguards during the event.
6. Supply 3 additional porta potties (1 ADA)
7. Supply additional trash receptacles.

### **Attachments:**

- A. Application and Permit For Park Use
- B. City of Chico. Insurance Requirements - Information Sheet. PARK PERMIT. Major/Sports Event

**Distribution:** Eli Libby



# City of Chico

## APPLICATION & PERMIT FOR PARK USE

General Services Department - Park Division  
965 Fir Street/P.O. Box 3420  
Chico, CA 95927-3420  
(530) 896-7800 Fax: (530) 895-4731

<b>Type of Event:</b>	
<b>PUBLIC</b> <input checked="" type="checkbox"/>	<b>PRIVATE</b> <input type="checkbox"/>

### SECTION 1 - APPLICANT INFORMATION

Must be 18 or older • No glass beverage containers • Application fee due upon submittal •

*THIS RESERVATION IS NOT VALID UNTIL APPROVED BY THE PARK DIVISION.*

**PLEASE PRINT:**

Eli Libby  
Name of Applicant/Contact Person

Soul id  
Organization Name (if applicable)

Contact Phone # \_\_\_\_\_ Alternate Phone # \_\_\_\_\_

Soul id Wakeboard Competition  
Description of Event: (family BBQ, walk/run, describe below if needed)

Saturday September 13, 2015  
Day and Date of Event:

From: 7am To: 7pm  
Total Time Needed for Set-up, Event, and Clean-up

From: 11am To: 4pm 700  
Time of Event Only Number of people

E-mail address [REDACTED]

Note: Park gates will not remain closed beyond normal opening time for any event with less than 1,000 people. All races with less than 1,000 people at One Mile must start before 8:30 am. Street closure(s) subject to approval.

#### AREA REQUESTED: (Please check if requested)

- Bidwell Bowl Amphitheater**
  - Electricity (15 amp)
- Note: Special conditions apply for amplified sound (12R.08.263 CMC)
- Cedar Grove Picnic Area**
  - Electricity (15 amp)
- Meadow**
  - 100 amp Electrical Service tables, restroom area (circle)
  - Water (public events only)
- Children's Playground**
  - Electricity (15 amp)-Pick up key on: \_\_\_\_\_ between 8:00 AM-4:30 PM
  - Water (public events only)
  - 100 amp Electrical Service
- City Plaza (Additional fees may apply)**
  - Electricity (15 amp)
  - Event Restrooms
  - Fountain - On
  - Meter Bags # \_\_\_\_\_
  - 100 amp Electrical Service
  - Water (public events only)
  - Fountain - Off
  - Sound Curtain

- Council Ring**
  - Fire Permit
- Five Mile Picnic Area**
- One Mile Picnic/Barbeque Area - Water available, no hose bib**
  - Oak Grove A**
  - Oak Grove B**
  - Sycamore Way Parking Lot Closure-Public Events ONLY
  - Electricity (15 amp) parking area, restroom area (Pick up key)
  - Band Stand (15 amp)
  - BBQ-Pick up key on: \_\_\_\_\_ between 8:00 AM - 4:30 PM
- Depot Park**
  - Electricity (15 amp)
- Lower Bidwell Park (public events only):** \_\_\_\_\_
- Upper Bidwell Park (public events only):** \_\_\_\_\_
- Other (specify) (public events only):** Sycamore Pool
- Early Entrance Needed (public events only)**  Yes  No

**Additional Description of the Event:** This will be a Wakeboard competition where the riders will be pulled in with a winch into a competition course.

**FOR PARK RANGER ASSISTANCE during the event, CALL 530-897-4900 (Police Department Dispatch)**

### SECTION 2 - PERMIT FEES

Call Park Office at 896-7800 for availability of park areas and fee schedule 80.020

- Application Fee \$ 19.00 (Non-Refundable)
- Reservation Fee \$ 301.00 (\$11.00 minimum, please call for quote)
- Insurance Fee \$ 40.00 (\$40.00 to process outside insurance)
- Vendor Fee # 5 \$ 30.00 (\$6.00 per vendor)
- Damage Deposit \$ 100.00 (\$100.00 refundable following acceptable clean-up after event)
- Early Entrance Fee \$ \_\_\_\_\_ (\$32.50/hr, public events only)
- Additional Park Use Fees \$ \_\_\_\_\_ (see fee schedule)

<b>Additional fees for City Plaza use:</b>	
Event Restrooms _____ x (\$95.00) = \$ _____	#days
100 amp Electrical _____ x (\$30.00) = \$ _____	(electrician required) #days

Total Fee Required: \$ 490.00

Fee due upon submittal of application \* Make Checks Payable to: City of Chico

City of Chico Cash Receipt No. LR393007 Payment Method: CC9880 Date: 3/16/15 Received By: ZP

Office Distribution:	Permit File (original) Park Field Supervisor	Park Ranger 1 Park Ranger 2	Senior Park Ranger Landscape Inspector.	Applicant Risk Management (e-mail)	Email(various) 920 Fund
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## SECTION 3

# CONDITIONS FOR PARK USE

**You Are Responsible for Knowing the Park Rules. Please Observe the Following:**

- Alcohol** Alcohol is not permitted in any City Park or Playground.
- BBQ's** Portable BBQ's may only be used next to existing BBQ's in Lower Bidwell Park and Five Mile Recreation Areas.
- Bicycles** Must observe all California vehicular codes including one-way streets. Riders are expected to be courteous and yield to equestrian and pedestrian traffic. Helmets must be worn at all times in Upper Park, except when on pavement. Riders must stay on designated trails. Bicycle riding is not allowed in Caper Acres or on the Sycamore pool deck.
- Bounce Houses** Bounce houses and other similar play equipment are only permitted with a reservation and upon approval by the Park Division. The operators of this equipment must provide proof of insurance. Bounce houses are not allowed in Caper Acres.
- Campfires** No campfires allowed.
- Camping** No overnight camping allowed. Bidwell Park is a "day use park" only.
- Clean up** Permittee is required to completely clean up area at the conclusion of event. Additional garbage bags may be obtained from the General Services Department at time of reservation. (12R.04.180 CMC)
- Damages** Any damage to City property as a result of this event will be repaired at permittee's expense.
- Dogs** Dogs may be off leash from 5:30 AM until 8:30 AM in Lower Park -- All other times **dogs must be on a leash**. Along the north side of Upper Park Road, dogs may be "off leash" anytime. While "off leash," dogs must remain under control via master's voice. **Dogs are not allowed in Caper Acres, One-Mile or Five-Mile swimming areas, or designated swimming holes in Upper Park.**
- Electrical** All power extension cords, sound amplification equipment, and staging to be supplied by permittee. Permittee shall provide "tripping" prevention devices over power cords crossing any pathway.
- Fishing** **Big Chico Creek:** Check California Fish and Game Regulations, <http://www.dfg.ca.gov/regulations/>, Freshwater Sport Fishing, Alphabetical List of Waters with Special Fishing Regulations, (20) Big Chico Creek.  
**Horseshoe Lake:** Age 14 and over - license, catch and release; Under 14 - no license, catch and keep.
- Gate Closures** Upper Park gate at parking area E is closed on Sundays and Mondays and during wet periods. Gates can be closed for approved special events. See [www.ci.chico.ca.us/general\\_services\\_department/park\\_division/gate\\_closing\\_hours.asp](http://www.ci.chico.ca.us/general_services_department/park_division/gate_closing_hours.asp)
- Glass** No glass beverage containers allowed in any City Park or Playground.
- Horses** Horses must stay on designated trails. Horses are not allowed in One-Mile or Five-Mile Recreation Areas. Horses must cross the creek at approved crossings. Safe and courteous riding is the Park standard.
- Noise** No loud or unusual noises are allowed, including: radios and headsets that can be heard over 50' away. Music/Amplified Sound at One-Mile Recreation Area, please, face all speakers away from Woodland Ave.
- Park Closures** Lower Park is closed from 12:00 am (midnight) until 5:00 am every day, unless directly and actively proceeding to a destination outside of the park. Upper Park is closed between the hours of 11:00 pm and 60 minutes before sunrise every day, unless posted otherwise.
- Signs/Defacing** Defacing of trees, benches, tables, any park fixtures, open ground, or paved roads/paths with markings, staples, tacks, or signs is prohibited. No pinatas, or accessories shall be affixed to trees. Only barricades, cones, or self standing devices may be used for these purposes.
- Smoking** No smoking in Upper Park from May 1st - November 1<sup>st</sup>. No smoking in City Plaza or Caper Acres any time.
- Swimming** While in the 1-Mile swim area compliance with lifeguards is required for public safety. Pool is open and lifeguards are on duty from Memorial Day through Labor Day.
- Vegetation** No taking, cutting or injury of any vegetation in the Park is allowed.
- Vehicle Traffic**
- While gates are closed, limited use of vehicles to set up for event is permitted. Vehicles must be in compliance with the one-way designation of the roadway, must yield to all other activities (walking, jogging, bicycling, and horseback riding), must travel with flashers on and may not exceed ten (10) miles per hour.
  - Permittee shall provide adequate signs and supervision to avoid conflicts between vehicles, bicycles, equestrians, and general public.
  - Only emergency vehicles will be allowed access through the area of South Park Drive which has been closed to motor vehicles.
  - No vehicles are permitted to travel or park on grass areas.

**\*I have read and agree to conform to the above rules and conditions:**

Signed: \_\_\_\_\_



**SECTION 4 – INSURANCE**

(to be determined by Park Office)

**INSURANCE REQUIREMENTS ARE APPLICABLE TO:**

Insurance Required

Not Required

- (1) All Public Events per Title 12R.08.240, and/or
- (2) All Events Public or Private where:
  - (a) Amplified sound is used, or
  - (b) The number of people participating amount to 100 or more.

If insurance is required for your event, please contact the Risk Management office at 530-879-7910, by fax at 530-895-4733, or email at [riskmanagement@ci.chico.ca.us](mailto:riskmanagement@ci.chico.ca.us). Insurance may also be purchased through the City.

If insurance is required, Certificate of Insurance, meeting City standards must be received by: Aug. 28, 2015

Organization Named on Certificate of Insurance \_\_\_\_\_

Permittee shall supply, at least two (2) weeks in advance of the scheduled event, a Certificate of Insurance issued by a company licensed to do business in California with a Best's Insurance Guide rating of "B" or better ("A" rated if Company is unlicensed) which provides evidence of comprehensive and general liability coverage in the amount of \$1,000,000 combined single limit, with policy endorsements as follows:

- (1) Identification of permit applicant, identification of event, date of event.

**NOTE: NUMBERS 2 AND 3 MUST BE SEPARATE ENDORSEMENTS:**

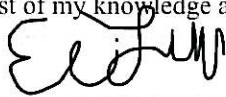
- (2) The City of Chico, its officers, boards and commissions, and members thereof, its employees and agents are covered as additional insureds as respects to any liability arising out of the activities of the named insured.
- (3) The insurance coverages afforded by this policy shall be primary insurance as respects to the City of Chico, its officers, employees, or agents. Any insurance or self-insurance maintained by the City of Chico, its officers, employees, or agents shall be in excess of the insurance afforded to the named insured by this policy and shall not contribute to it.
- (4) An unqualified statement that "The insurer will provide the City at least ten (10) days prior notice of cancellation or material change in coverage", standard Certificate of Insurance cancellation language is not acceptable

**Please Note:** Your reservation may be cancelled if the insurance is not approved at least two weeks prior to the scheduled event

**SECTION 5 - ACCEPTANCE OF CONDITIONS**

In signing this Permit, I agree to indemnify and hold the City of Chico and/or the Bidwell Park and Playground Commission free and clear of all claims of damage for injury to persons or property occurring in, upon or about Bidwell Park, and arising from my use of the park as noted above, and to defend any action against the City of Chico resulting from any such claim, without cost to the City.

\*I certify that I have read this application thoroughly, followed any and all instructions, understand its contents, will comply with the attached "Conditions for Park Use", will adhere to any additional conditions set forth by this permit, and supplied true and correct information herein to the best of my knowledge and belief.

X   
Signature of Applicant

X 3/4/2015  
Date

**RETURN THIS FORM TO:**

City of Chico - Park Division  
965 Fir Street  
Chico, CA 95928

FAX 530-895-4731 or email to [Parkinfo@ci.chico.ca.us](mailto:Parkinfo@ci.chico.ca.us)

THIS RESERVATION IS NOT VALID UNTIL APPROVED BY THE PARK DIVISION.

A copy of the approved application will be returned to you.

**SECTION 6 – GENERAL SERVICES DIRECTOR AUTHORIZATION**

I certify that I have carefully reviewed this application pursuant to Title 12 and 12R of the Chico Municipal Code and hereby recommend that this permit be:

- Approved.
- Approved subject to listed additional condition(s) \_\_\_\_\_

- Denied by the General Services Director. Reason: \_\_\_\_\_
- Application fee waived (12R.08.100 CMC). Reason: \_\_\_\_\_
- Reservation fee waived (12R.08.250 CMC). Reason: \_\_\_\_\_
- Vendor fee waived (12R.08.250 CMC). Reason: \_\_\_\_\_
- Insurance fee waived (12R.08.240 CMC). Reason: \_\_\_\_\_
- Damage deposit fee waived (12R.08.260 CMC). Reason: \_\_\_\_\_
- Application approved by the Bidwell Park & Playground Commission. Date: \_\_\_\_\_
- Application denied by the Bidwell Park & Playground Commission. Reason: \_\_\_\_\_

Date: \_\_\_\_\_

Signature of General Services Director

Date

# EVENT INFORMATION

Please answer the following questions by circling "Yes" or "No"

Is this an annual event? How many years have you been holding this event? _____	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Is there a patron admission, entry, or participant fee(s) required for your event?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Will there be amplified sound/music at event? (Please see 'Conditions For Park Use') Specify type (microphone, band, radio, PA system etc): <u>PA System</u>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
When will amplified sound/music be heard? Time from: <u>11am</u> until: <u>4pm</u> amps needed ( <i>15 or 100</i> ) _____ Note: 100 amp electrical service requires a certified electrician to operate.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Will there be any entertainment apparatus? (Operator to provide proof of insurance) [ ] Bounce house [ ] Climbing wall [ ] Ropes Course [ ] Other: _____ Name of Operator: _____	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Will there be any vendors at this event? (No glass or alcohol permitted) If "yes" please note the number of vendors anticipated: <u>5</u> (submit a, separate, complete list) Does your event include food concession and/or preparation areas? If yes, please describe how food will be served and/or prepared: <u>Food trucks that will be parked around the event site.</u>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Will event require that any part of the Park remain closed beyond the normal time of opening? Note: Park gates will not remain closed beyond normal opening time for any event with less than 1,000 people. All races with less than 1,000 people at One Mile must start before 8:30am. <b>(Subject to approval by the General Services Department Director and/or Senior Park Ranger.)</b> If "yes" please state which gate(s): _____ Time of closure from: _____ until: _____	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Will there be early entrance into the Park for setup? If "yes" when will monitors be at their position(s)? Time from: _____ until: _____ Note: Gate Monitors are required at the entrances and exits for early Park entrance. An additional fee may be charged for early entrance	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Will event require over night camping for security purposes? (authorized for a maximum of two people, 12R.04.340 CMC) If "yes" how many security personnel will be required?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<b>Portable Restrooms:</b> You are required to provide portable restroom for events with 200+ participants at your event, in the immediate area of the event site which will be available to the public during your event. Restroom Company _____ Phone Number _____ Location of portable restrooms _____ Note: Restrooms shall be removed within 24 hrs after conclusion of event.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
<b>Sanitation and Recycling:</b> As an event organizer, you must properly dispose of waste and garbage throughout the term of your event and immediately upon conclusion of the event the area must be returned to a clean condition. <i>For events with 200+ participants, additional trash and recycling cans are required.</i> Number of Trash Cans _____ Number of Recycling Containers _____ Sanitation Company _____ Phone Number _____ Note: Sanitation containers shall be removed within 24 hrs after conclusion of event.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Will your event include the use of any signs, banners or decorations? (Please see 'Conditions For Park Use') If yes, please describe type and location: <u>Banners around the event site.</u> Note: All signs and banners shall be free standing and not affixed to Park property.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Will water be needed during your event? Please provide your own hose and on/off switch. No hose bib is available at One Mile Recreation Area. Note: Please request a water coupler key for City Plaza, Children's Playground, and Cedar Grove.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Do you request irrigation to be turned off before and during your event?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
<b>CITY PLAZA ONLY:</b> Vehicles are not allowed in City Plaza. Loading and unloading must occur from the streets. Meter bags for unloading and loading <u>only</u> may be obtained from the City by calling (530) 896-7800.		
Will vendors be placed on the perimeter sidewalks? If yes, a Vend, Peddle, Hawk permit must be obtained from the Engineering Division at 411 Main St, Chico, (530) 879-6900.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Will City street closure(s) be needed? A separate permit must be obtained from the Engineering Division at 411 Main Street, Chico, (530) 879-6900.	Yes <input type="checkbox"/>	No <input type="checkbox"/>



DATE: 6/24/15  
TO: Bidwell Park and Playground Commission  
FROM: Dan Efseaff, Park and Natural Resource Manager  
SUBJECT: CARD Rose Garden Proposal

## Report in Brief

The applicant (Chico Area Recreation District (CARD)) requests final approval on a proposed Rose Garden at the CARD Community Center (545 Vallombrosa Avenue, Chico, California). CARD leases the property from the City of Chico and any improvements need City approval. The BPPC provided conceptual approval and recommendations, at the January 27, 2014 meeting. In response, CARD incorporated the recommendations into the revised design for the site.

**Recommendation:** *Staff recommends approval of the project.*

## Fiscal Impact

All improvements and maintenance would be at the expense of the lessee (CARD). Improvements would become part of the property, and under the lease could be removed at the expense of the lessee. The improvements may provide some revenue to CARD associated with additional events at the facility.

## Background

The private donor has approached the City and CARD several times since 2001, with funding specifically tied to the creation of a rose garden. Previous proposals stalled based on location and long-term maintenance costs. In May 2013, CARD received a revised request and directed CARD staff and a subcommittee to pursue potential solutions to previously identified obstacles. In late fall 2013, CARD approached the City with a draft design and requested preliminary feedback.

At the January 27, 2014 meeting, CARD submitted an updated draft design for Bidwell Park and Playground Commission (BPPC) consideration. The staff report for the meeting outlines in detail, the lease agreement with CARD and the applicable sections of the Bidwell Park Master Management Plan (BPMMP). After considerable discussion, the BPPC provided feedback on the initial design and moved to support conceptual approval (7-0). Among the input supplied were the following:

1. Minimize long term impacts to oak trees.
2. Protect other nearby native plants (non-native plants may be removed).
3. Utilize a design that minimizes topographical changes and hard infrastructure.
4. Complete a horticultural assessment to determine if the site is appropriate for growing roses. In addition, develop best management practices (BMPs) and an Integrated Pest Management (IPM) plan for the site. The BPPC also recommended that CARD consider water use issues for the change at the site.
5. Provide the financial model that address maintenance on the garden.
6. CARD will secure all permits and meet all requirements associated with the project.
7. Design will incorporate ADA standards as appropriate.

The BPPC determined that the proposal was consistent with the BPMMP.

## Discussion

CARD has kept staff informed of progress on the project. Earlier in 2015, City of Chico, CARD, and Melton Design staff met on the site of the proposed rose garden several times to review the design and solicit input. The field review also included input from the Chico Police Department on site lines and other issues.

The applicant has been responsive to suggestions, and several of the changes (such as invasive plant removal and replanting along the riparian corridor) support BPMMP goals. Changes in the proposal include:

1. Create more open views along the pathway, creek, and rose garden.
2. Remove non-native invasive plants along the creek and restore bare areas (coordinate with City staff).
3. Develop a new drainage approach that filters run off (through plantings and gravels prior to going into storm drain).

4. Reduce maintenance, watering, fertilizer and man hours (reduce turf area by 50%). CARD notes that the roses will still need water, fertilizer and maintenance but less so than the existing lawn.
5. Plant low maintenance plants (primarily native) to accompany the roses.
6. Implement the Integrated Pest Management Plan (IPM) created as part of the rose garden management plan.

CARD has submitted a revised proposal (Attachment A) and IPM (Attachment B). Staff recommends final approval of the rose garden, with CARD directed to provide reports on project progress and significant milestones. If the BPPC concurs, the City will provide written authorization for the request.

**Attachments:**

- A) CARD Rose Garden Final Draft Plan and Legend
- B) CARD Rose Garden Integrated Pest Management Plan

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6/25/2015



**PLAN LEGEND**

SYMBOL	DESCRIPTION
1	WEDDING STAGE (18" ABOVE FINISH GRADE) - COLORED CONCRETE W/ SCORE LINES
1a	COLORED CONCRETE STAIRS TO STAGE (6" HIGH x 24" WIDE). STAIRS TO HAVE ORNAMENTAL HANDRAIL ON BOTH SIDES
2	COLORED CONCRETE PROMENADE - 6' WIDE LEADING TO WEDDING STAGE. SCORE LINES AS SHOWN
2a	COLUMNS W/ PRECAST CAP AT WEDDING STAGE
3	DECOMPOSED GRANITE PATH - 3" LAYER AFTER COMPACTION W/ BASE ROCK. WEED FABRIC AND PREEMERGENT TO BE APPLIED PRIOR TO INSTALLATION
4	N/A
5	STEEL EDGING
6	20" HIGH SEAT WALL
7	N/A
8	FENCE 6'-6" HIGH
9	12' WIDE STEEL VEHICULAR GATE
10	6' WIDE STEEL MAN GATE
11	N/A
12	SPECIAL RECOGNITION BENCH AND ROSE PLANTER
13	ORNAMENTAL PERGOLA WITH CLIMBING ROSES
14	WEDDING STAGE STEEL/WOOD PERGOLA W/ CLIMBING ROSES
15	RAISED WALL AT WEDDING STAGE
16	ADA ACCESS
17	N/A

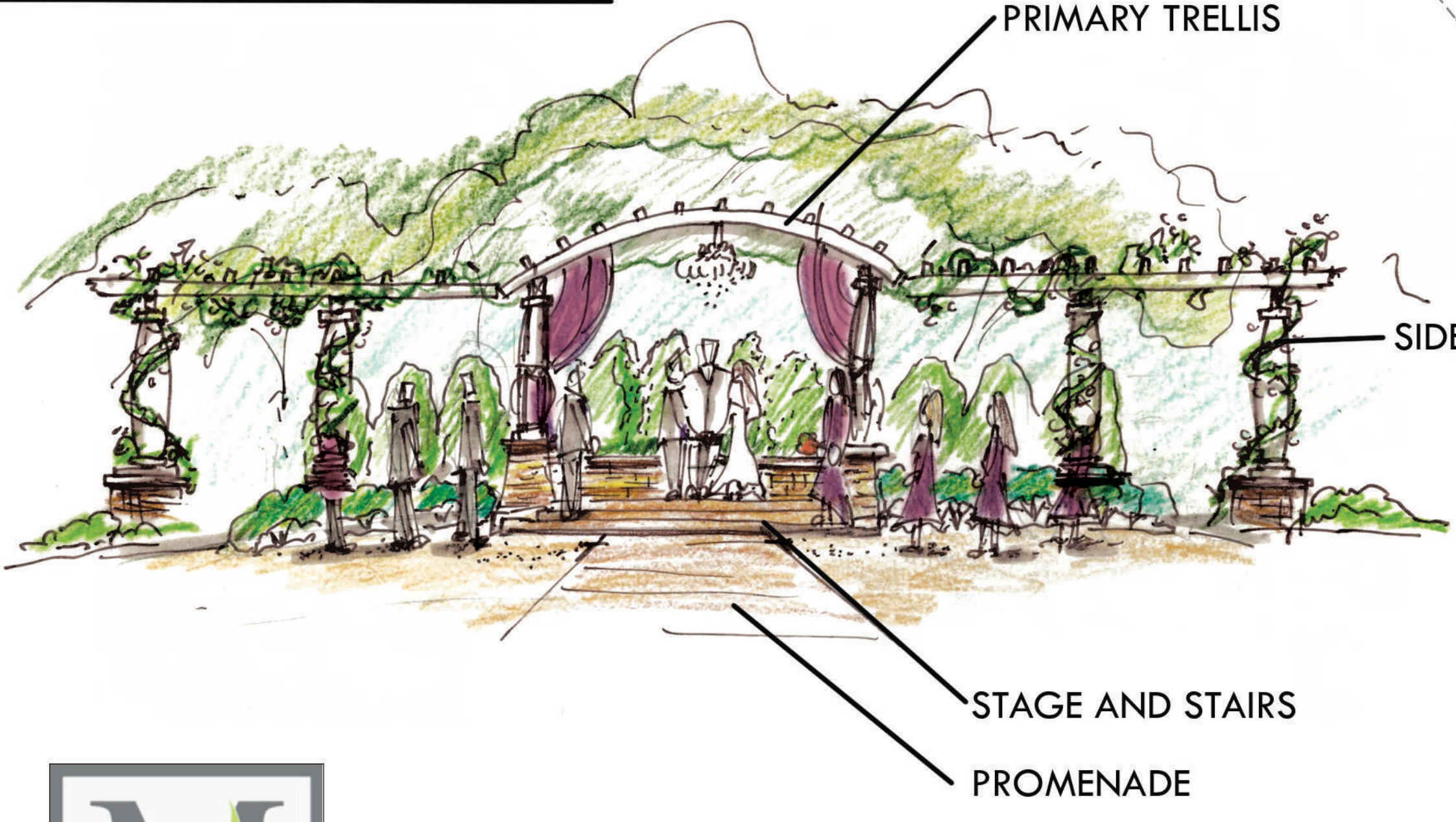
**LIGHTING LEGEND**

SYMBOL	DESCRIPTION	QTY
U	WALL LIGHT 1LED FIXTURE LOW VOLTAGE	TBD
W	WATER FEATURE UP LIGHT LOW VOLTAGE	TBD
Δ	DOWN - LIGHT 3LED FIXTURE LOW VOLTAGE	TBD
▲	UP - LIGHT 6LED FIXTURE LOW VOLTAGE	TBD
⊕	GFCI 120V	TBD
⊕	GFCI 220V AT STAGE	TBD
T	TRANSFORMER LOW VOLTAGE	TBD

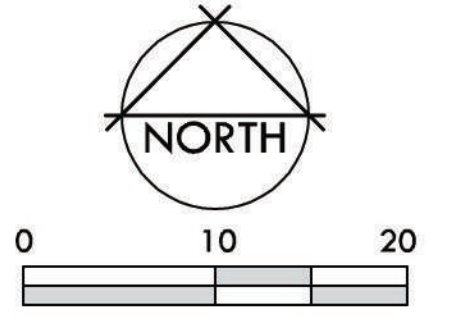
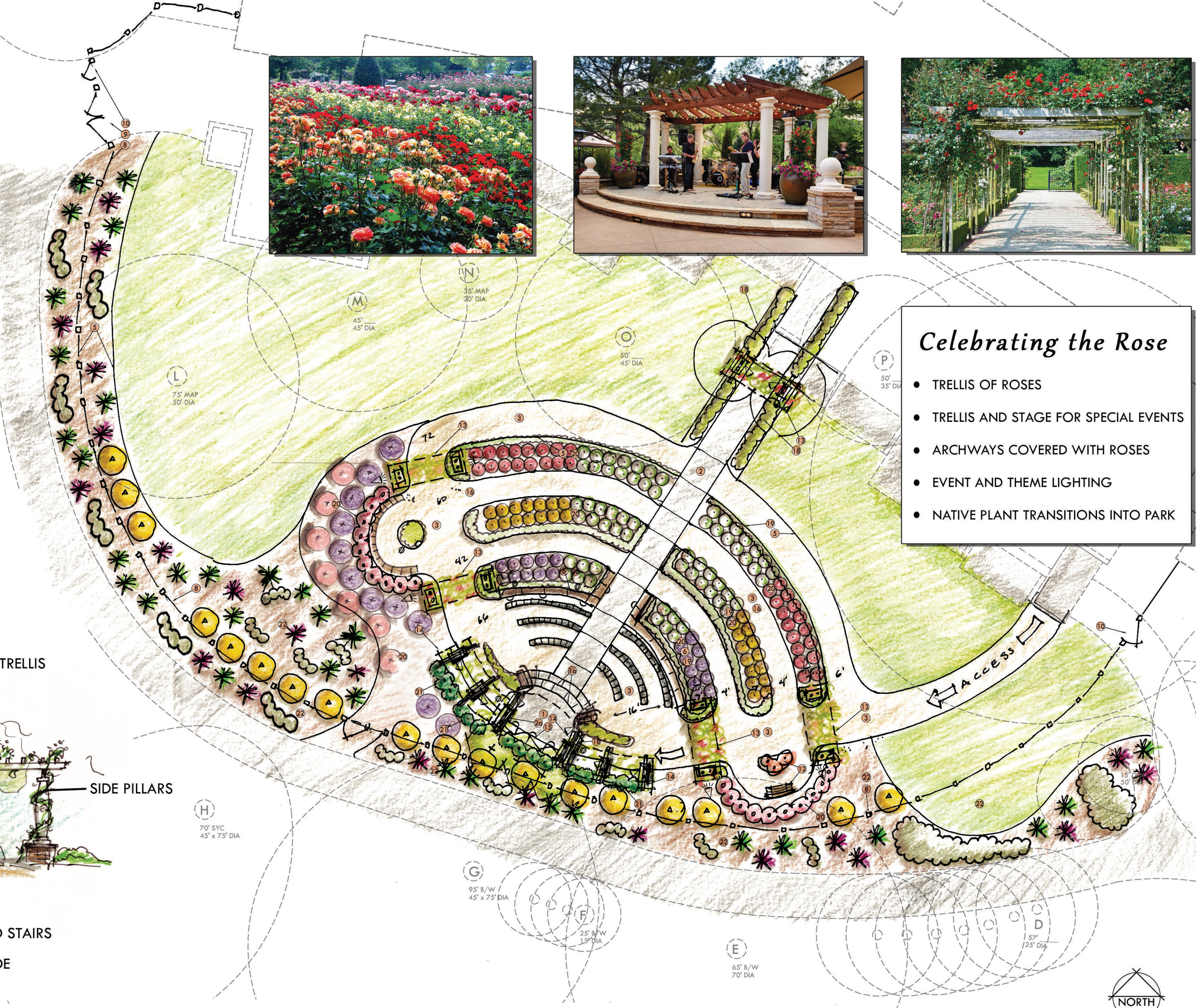
6' WIDE STEEL MAN GATE  
ORNAMENTAL WROUGHT IRON/ WOOD BENCH

SYMBOL	DESCRIPTION
18	EVERGREEN PLANTER ON GRADE
19	BOXWOOD PLANTING
20	ROSE PLANTERS ON GRADE
21	CONIFERS/ EVERGREEN PLANTS AS STAGE BACKGROUND
22	NATIVE PLANTER ON GRADE

**TRELLIS ELEVATION**



- Celebrating the Rose**
- TRELLIS OF ROSES
  - TRELLIS AND STAGE FOR SPECIAL EVENTS
  - ARCHWAYS COVERED WITH ROSES
  - EVENT AND THEME LIGHTING
  - NATIVE PLANT TRANSITIONS INTO PARK



**ROSE GARDEN MASTERPLAN "Celebrating the Rose"**  
**CHICO AREA RECREATION AND PARK DISTRICT**





**Chico Area Recreation and Park District (CARD)**  
545 Vallombrosa Avenue, Chico, California 95926  
(530) 895-4711, Fax (530) 895-4721

## **CARD Rose Garden Integrated Pest Management (IPM) and Sustainable Management Plan**

IPM is an environmentally sound integration of all methods to control pest populations to below damaging levels. The foundation of the IPM approach is to use the least toxic treatment first utilizing sound environmentally sustainable practices.

The IPM approach takes advantage of the fact that combined strategies for pest management are more effective in the long run than a single strategy. Some strategies are superior to others because they build in natural enemies, thus giving long-term suppression of the pest problem. The benefit of this holistic approach is realized through effective mitigation efforts at all stages of pest transformation and as much as possible creating an environment that prevents initial invasion and infestation.

Pest management strategies will include cultural, biological and mechanical controls and under extreme conditions, professionally recommended, program administrator approved, site appropriate chemical applications.

- **Cultural Controls:**
  - Choose rose varieties known to be resistant/less susceptible to rose diseases
  - Design planting sites for optimal light and drainage
  - Develop healthy soil, alive with microbes, worms etc.
  - Fertilize appropriately – compatible with soil test, not too much or too little
  - Water carefully – to reduce disease & disease spread, to encourage deep roots
  - Sanitation – remove and destroy infected plant materials
- **Mechanical and Physical Controls:**
  - Mulch for weed control and water conservation
  - Water flushing to control aphids, mites and powdery mildew
  - Handpick, crush or drown large insects and beetles
  - Hoeing and hand pulling for weed control
  - Trapping – pheromone traps for budworms
- **Biological Controls:**
  - Parasites – e.g. parasitic wasps and flies
  - Predators – e.g. lady beetles and lacewings
  - Diseases – e.g. beneficial nematodes

- **Chemical Controls:**
  - Inorganic Pesticides – derived from elemental sources e.g. sulfur
  - Botanical Pesticides – derived from plant materials:
    - Pyrethrum, rotenone, ryania, bioneem, neem oil, pepper oil, etc.
  - Microbial pesticides – derived from microbial organisms; *Bacillus thuringiensis*

Integrated Pest Management is a systematic approach: identify the pest species, estimate the pest population and compare to established action threshold, select least toxic treatment first, assess effectiveness, and keep appropriate records.

During the course of applying the IPM Program administrators at all levels will ensure compliance with all applicable local, state, and federal laws during the practical use identified procedures and guidelines

### **PART B Anticipated Rose Garden Problems**

The CARD Rose Garden is approximately 0.3 acres of developed space, located in an area that has been irrigated ornamental turf for decades. One perimeter is a small creek with a mostly native habitat on its banks. One perimeter remains as ornamental turf the other is a stand of native Valley Oak trees with very little vegetation in the understory. The CARD Community Center makes up the fourth side of the area.

The garden area slopes gently (5 – 8%) plateau. Three rose beds will alternate with pathways of decomposed granite and will be stepped gently down the slope to allow for viewing, general assembly and maintenance tasks.

Irrigation and drainage will be designed to use water in an effective manner that creates little or no irrigation related runoff. Irrigation will use target specific bubblers and spray heads and have flush and filter controls.

Fertilizers and mulch will mostly be natural organic materials such as leaf compost, mushroom compost and composted, weed-free horse manure. Slow release synthetic fertilizers may be used seasonally. This is dependent on overall plant health and identified targeted nutrient deficiencies (TBD). To determine optimal fertilizer application, soil tests for base levels of nutrients and pH will be obtained for soil in the rose planter beds.

### **Rose Garden Pests typically found in Chico, CA**

#### **A. Insects (Commonly found):**

- Aphids
- Hoplia beetles
- Spider mites
- Thrips
- Grasshoppers
- Leaf rolling caterpillars
- Budworms
- Cane boring insects: wasps and carpenter bees
- Leaf cutter bees

**Insects (Rare):**

- Rose Stem Sawfly
- Rose slugs
- Scale

**B. Fungus Diseases**

- Black spot
- Powdery Mildew
- Rust
- Stem canker

**C. Bacterial Diseases**

- Botrytis
- Crown gall

**D. Viral leaf disease**

**E. Other**

- Garden weeds
- Heat and drought stress

**PART C Treatment Strategy**

**1. Initial Information Gathering and Monitoring**

Experienced rose growers from the Butte Rose Society will assist in identifying pest problems and consulting on cultural practices. Many are Consulting Rosarians trained through the American Rose Society.

Additional advice may be sought from the UC Davis IPM program.

Note: Most of the more than 130 households of the Butte Rose Society grow their roses organically, rarely if ever using chemical sprays to control rose pests.

Most rose pest problems are short lived and controlled by cultural practices, mechanical and physical controls and the biological controls found in the natural environment of a garden with diverse species.

**2. Tolerance Thresholds**

Threshold levels will be generated based on the collective experience of Butte Rose Society members. Simple and easy to use monitoring procedures will be established.

The purpose for monitoring is to identify the presence and levels of rose pests and the presence of their natural enemies. Weekly monitoring of a representative sample of each type of rose will occur during peak growing season.

The record keeping system will be quick and easy to use in the field. Aggregated results will be presented visually to assist decision making. If possible, an electronic monitoring and record keeping system will be established. Monitoring, record keeping and decision strategies will be evaluated after Year 1 use.

### **3. Preventative Measures and Treatment**

See tables for tolerance levels, prevention approaches and anticipated treatments.

### **4. Changes to the IPM Plan**

It should also be noted that this IPM Plan is a dynamic document and will periodically be reviewed and revised as circumstances change and as new pest management products and techniques become available.

### **5. Application of Pesticides or Chemicals**

When it is determined that pesticides or chemicals are needed for pest management, only products registered for use in the State of California will be applied with strict adherence to label directions. It is CARDS current practice to apply the lowest level "caution" rated products. These Applications will be performed by qualified applicators with recommendations coming from a licensed pesticide advisor.

### **6. Notification**

Appropriate signs and notifications will be posted on or around the CARD Rose Garden notifying users prior of pest management activities with the purpose of prohibiting re-entry into the area of application.

### **7. Recordkeeping**

A log book of all pest sightings and pest management activities in the CARD Rose Garden will be kept in the District's Main Office located on-site.

It is the responsibility of the (General Manager or his designee to ensure accurate and timely records are documented and recorded. They will be available for public viewing upon request. Additionally, any time a pesticide is used for pest management purposes, a copy of the pesticide label, as well as the pesticide's Safety Data Sheet (SDS) will be kept on record in an easily accessible location as a reference for applicators on proper use, storage and safety.



DATE: 6/24/15  
TO: Bidwell Park and Playground Commission  
FROM: Linda Herman, Public Works Administration Manager  
SUBJECT: Proposed Guidelines for Parkway Landscape Conversions

### Report in Brief:

With the prolonged drought and mandatory water budgets, many residents are wanting to convert parkway strips, which are located in the City's right-of-way but are the homeowner's responsibility, to more water efficient landscapes. Staff is proposing establishing guidelines and some revisions to the Chico Municipal Code (CMC) related to these conversions and water conservation. Staff is requesting feedback on the proposed parkway conversion guidelines and process, which will be reviewed by the City Council at its meeting on 7/7/15. Because the Council agenda report deadline was 6/23/15, Staff will provide a verbal report of the BPPC's action, or additional information requested by the BPPC, if necessary, at the Council meeting.

Recommendation: The Public Works Administrative Manager recommends that the BPPC:

1. Approve the proposed parkway conversion guidelines.
2. Authorize the conversion of parkways without a permit, provided that the guidelines are followed in the conversion.
3. Recommend that the City Council approve the proposed guidelines and CMC revisions.

### Fiscal Impact:

If approved by BPPC and Council, it is anticipated that, after the initial outreach, these guidelines and CMC revisions would actually reduce both City and Cal Water staff time that is currently being spent answering phones and questions from the public regarding this issue.

### Background:

Section 14.40.120 of Chapter 14.40 – Street Trees (**Attachment A**) of the Chico Municipal Code (CMC) requires that a permit must be obtained to plant or remove trees or shrubs within all public rights-of-way (ROW), including the area between the private property line and the adjacent street curbing. The permit must be approved by the Bidwell Park and Playground Commission, or the City Council.

In addition, CMC Chapter 14.08 – Encroachment and Excavation Permits requires that an encroachment permit be obtained before any construction or excavation can take place within the ROW. The current fee for the encroachment permit is \$14.00. However, the permit requires homeowner's insurance in the amount of at least \$300,000 if the homeowner performs the work, or \$1,000,000 commercial general liability insurance if work is to be performed by a contractor or another party. A surety bond is also required if the work is performed by a contractor.

### Discussion:

Staff has received numerous requests to remove grass and other plant materials from the parkway (i.e. the strip of landscaping between the sidewalk and the curb) in front of residential properties. The requests have also increased since June 1, 2015 because many would like to take advantage of Cal Water's Turf Replacement Rebate Program, which is offering \$1.00 per square foot of turf replaced, for a maximum of \$1,000 for residential properties and \$10,000 for multifamily and commercial properties.

### Parkway Conversion Guidelines:

To address these requests, Staff reviewed the guidelines for the Turf Rebate Program (**Attachment B**) as well as parkway conversion guidelines established by other jurisdictions. In order to meet the requirements of the CMC and to be consistent with Cal Water's program, Staff is proposing establishing guidelines for parkway conversions that accomplish the following goals:

1. To provide for the health and vigor of City Street Trees.
2. To reduce water use through the planting of low-water use plants suited for the area, and water efficient irrigation systems.
3. To allow water, including stormwater, to seep into the ground.
4. To provide for public safety by protecting utilities, sight distances, and access to fire hydrants, mailboxes etc.
5. To reduce the "heat island" affect by encouraging a minimum plant area coverage.

The intent of the parkway conversion guidelines is to provide a short list of "do's and don'ts" to accomplish the above goals, and is not meant to overly limit the resident's options for landscaping and water conservation. Therefore, Staff is proposing the following guidelines be approved:

1. Prior to excavation and installation, call the Underground Service Alert (USA North 811) and the City of Chico to locate underground utilities.
2. All street trees are to remain in place, and be irrigated as needed. If a resident wishes to have a tree removed or planted, they must follow the City's tree permit process.
3. Design and choose irrigation systems that reduce runoff and overspray. Be mindful that different plants may have different water needs.
4. Install only permeable surfaces, such as mulch, bark, wood chips, gravel, decomposed granite, mortar-less pavers, or river rock.
5. Nonporous surfaces, such as concrete, rocks mortared in place, or non-permeable plastic, are not allowed.
6. Leave a border of organic mulch only that forms a minimum three (3) foot radius from the trees.
7. Use water efficient, noninvasive plants suited to the area that do not grow more than two (2) feet in height at maturity. It is encouraged that at least 50% of the project area be covered by plant material. Tree canopies can count toward the 50% coverage.
8. All exposed areas, other than paths and planting areas, must be mulched to a depth of at least two (2) inches.
9. Use only natural colored rocks or mulch. Ensure that all mulch and rock are recessed within the parkway and do not flow over the curbs and onto the street and sidewalk.
10. Do not install large boulders, statues, or other structures that would interfere with or obstruct the public street, utilities, or other facilities, such as hydrants.

### CMC Provisions:

Although CMC Chapter 14.40 requires a permit be obtained to remove trees and shrubs, it is prudent to establish a consistent approval process that is applicable to all landscaping within the parkways, regardless if it is grass or shrubs. To address this issue, Staff is seeking BPPC approval to allow the conversion without a permit as long as the above guidelines are met. If the conversion includes the planting or removal of a City street tree, then the resident would have to submit an application for such permit. Staff believes that this would meet the permit requirements of CMC Section 14.40.120 –Permit Required.

To save the resident time and to make it less onerous, Staff is also proposing to amend Chapter 14.08 to add an exception to obtaining an encroachment permit if the excavation meets certain criteria, follows the parkway conversion guidelines, and complies with other applicable CMC requirements. CMC Section 14.08.070 regarding exceptions (**Attachment C**).

In addition and related to the drought, Chapter 19.68 of Title 19 establishes landscaping standards in connection with commercial façade remodels. Specifically, Section 19.68.040 C (**Attachment D**) may require the planting of additional landscaping if the project receiving a façade remodel is not already consistent with the shade requirements or landscape standards. Community Development Staff is recommending that the CMC be amended to suspend this requirement if the addition of the landscaping would result in increased water use at the project site.

Time is of the essence to address the resident's requests and to meet the mandatory water restrictions. If the BPPC recommends approval, Staff is recommending under Section 612 of the City Charter that the Council consider an urgency ordinance (**Attachment E** for these CMC revisions). Pursuant to the Charter, an urgency ordinance would allow it to be introduced and adopted in one meeting based on the finding that it is necessary for preserving the public peace, welfare, health or safety. If the urgency ordinance is adopted by Council, it will also become effective immediately, but may not be in effect for longer than six months unless extended by Council.

**Attachments:**

- A) CMC Section 14.40.120
- B) Cal Water Turf Replacement Program Guidelines
- C) CMC Chapter 14.08.070
- D) CMC Chapter 19.68.040
- E) Urgency Ordinance



## ATTACHMENT A

[Print](#)

## Chico, CA Code of Ordinances

**14.40.120 Permit - Required.**

No trees or shrubs shall be planted in or removed from any planting area in the city unless:

A. A written permit therefor is authorized by the commission or the city council and is issued by the director; or

B. Such planting or removal is required by order of the commission or the city council.

The director shall bring all applications for permits to the attention of the commission and shall issue such written permit when and as directed by the commission or the city council.

The planting of a tree or shrub in conformity to the street tree plan as adopted and amended by the commission shall be deemed to be authorized by the commission and no further authorization for the granting of a permit shall be necessary.

(Prior code § 23.52 (Ord. 852 §13, Ord. 2364 §163))

## ATTACHMENT B

# Program Guidelines

## Program Overview

CAL WATER will pay an incentive of \$1.00 per square foot for living grass (lawn) that is replaced with a beautiful water efficient landscape suited to our region's semi arid climate. Restrictions apply, so be sure to read the specifications and the design guidelines for more information.

- Computer, Internet and email access are required to participate. Applications must be submitted through CAL WATER's Program website. Paper applications cannot be accepted.
- You must check with your Homeowner's Association, City and County for rules and regulations related to landscaping your specific property.

## Eligibility

- CAL WATER does not offer a rebate for concrete or all gravel yards. This program is for the replacement of an existing lawn with low water use plants that meet program guidelines.
- CAL WATER's program pays for what you plant. For example, if you take out the minimum area required of 250 square feet and replant the minimum of 125 square feet(50%) then you will get a rebate of \$250 (250 square feet planted @ \$1 per square foot).Receipts are required. The rebate cannot exceed the cost of the project.
- Applicant must be the property owner and a retail residential customer of CaliforniaWater Service (CAL WATER).
- An application must be submitted online with sample photos per program guide lines of the existing zones in the landscape.
- A landscape plan and plant list (can be combined) must be submitted to CAL WATER. If you need help creating plans, we suggest you contact local nurseries and contractors to see if they offer design services.
  - The following information must be included in your plan/plant lists:
  - The plan and plants must be drawn to approximate scale.
  - The plan must include dimensions of all areas where your turf will be removed
  - The plan must include major plant materials that will be used including locations and quantities (Trees, shrubs, ground cover areas)
  - The plan must include the location and dimensions of new hard scape areas to be installed such as patios, walkways, retaining walls, etc. Indicate if the hard scape materials are to be permeable or not
  - The plan must include an irrigation plan, including type of irrigation and component layout)
- All projects must be pre approved by CAL WATER to determine eligibility and site-specific requirements.

**ATTACHMENT B**

- All projects must be approved by CAL WATER following completion of the lawn removal/landscape conversion ("Project") in order to receive the incentive payment. CAL WATER may choose to conduct either pre and/or post inspections.

**Landscape Requirements**

- This program only applies to front yards, side yards, backyards, and parkways (small strips of landscape located between sidewalk and curb) if maintained by owner.
- Once the Project begins, all lawn in the approved project area must be completely removed. No incentive will be paid if the participant ends up removing less lawn than stated on the approved application, or otherwise fails to complete all of the requirements of the Program.
- At a minimum, 50% of the eligible Project Area (including permeable hard scape areas) must be landscaped with climate appropriate plants (artificial turf does not meet program guidelines). This minimum coverage requirement can be satisfied using the eventual mature size of the plant materials other than trees. Each tree can count up to 78square feet (five foot radius) for the purposes of calculating the 50% minimum coverage requirement.
- The entire Project Area other than paths and ground cover areas must be mulched with at least a two inch layer of organic or inorganic mulch. Mulched areas must be permeable i.e. they must allow water to pass through. Examples of mulches are bark,wood chips, gravel, decomposed granite, mortar less pavers, and river rock.
- No painted or dyed rock allowed.
- Areas replaced with non porous concrete are not eligible for the incentive payment under this Program and will not be included in the Project Area.
- Existing overhead irrigation systems within the Project area must be capped off or converted to drip, rotating stream, rotating spray or bubblers.

## ATTACHMENT C

[Print](#)

## Chico, CA Code of Ordinances

**14.08.070 Exceptions to permit requirements.**

Notwithstanding the provisions of this chapter to the contrary, a permit shall not be required for the following encroachments or excavations on or within a public right-of-way or public service easement:

- A. An encroachment made in the performance of work required by a public works contract between the city and a contractor;
- B. An encroachment made pursuant to a subdivision improvement agreement between the city and a subdivider;
- C. An encroachment made pursuant to a permit authorizing the use of city streets or sidewalks for parades, athletic events or public assemblies issued in the manner hereinafter provided by this title;
- D. An encroachment made by the owner of property adjoining a public right-of-way for the purpose of installing concrete flat work in a parkway between a public street and sidewalk or for the purpose of installing concrete flat work behind a public sidewalk, provided the concrete flat work has been approved by the director;
- E. An encroachment made by a city officer or employee acting within the course or scope of such officer's or employee's duties or employment; and
- F. An encroachment made by the owner or lessee of property adjoining a public right-of-way within the central commercial zoning district for a sidewalk café pursuant to a license authorizing the use of the right-of-way for such a purpose.

(Ord. 1928 §2 (part), Ord. 2050 §1, Ord. 2364 §123)

## ATTACHMENT D

Print
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## Chico, CA Code of Ordinances

**19.68.040 Landscape installation requirements.**

Landscaping shall be provided in the locations described in this chapter, in addition to any areas required by Division IV (Zoning Districts, Allowable Land Uses, and Zone-Specific Standards) or Division VI (Traditional Neighborhood Development (TND) Regulations).

## A. General Requirements. Landscaping shall be provided as follows:

1. Setbacks. In general, the setback areas required by these Regulations shall be landscaped, except where a required setback is occupied by a sidewalk, driveway or access easement or where a required setback is screened from public view and it is determined by the Director that landscaping is not necessary to fulfill the purposes of this chapter.

2. Unused Areas. All areas of a building site not intended for a specific use or purpose, including pad sites in shopping centers held for future development, shall be landscaped (may be hydroseeded) unless it is determined by the review authority that landscaping is not necessary to fulfill the purposes of this chapter.

3. Pools and Patios. The surface area of a permanent swimming pool or spa or uncovered patio may be included to meet landscaped open space requirements.

4. Public Right-of-Way. The area between the curb, or curb and sidewalk if contiguous, and the property line shall be landscaped. This area shall not be counted in the overall required percentage of landscaping.

B. Specific Zone Landscaping Requirements. Proposed development and new land uses shall be designed, constructed and maintained with landscaped open space areas of the minimum size shown in Table 5-2, based on the zoning district applicable to the site. Additional landscaping may be required by the Architectural Review Board to provide visual relief or contrast or to screen incompatible or obtrusive features.

**TABLE 5-2  
MINIMUM LANDSCAPED AREA BY ZONING DISTRICT**

Zoning District	Minimum % of Site Area Required to be Landscaped		Zoning District	Minimum % of Site Area Required to be Landscaped
R2	40%		CC and CR	5%
R3	35%		DN and DS	See Note
R4	25%		CS	5%
RMU	10% (See Note)		ML	5%
OR	30%		MG	5%
OC	15%		IOMU	15%

## ATTACHMENT D

CN	10%	TND	No minimum area required.
----	-----	-----	---------------------------

**Note:** Opportunities to provide landscaping in the downtown area are limited; therefore, the Board will review each project on a case-by-case basis. When opportunities exist, the ARHPB may require the provision of landscaped open space.

(Ord. 2427 §45, 2440 §46)

- C. Landscape Requirements for Facade Remodel. Any project that consists solely of a facade remodel that does not create additional floor area to an existing structure, and is part of an existing development that is not consistent with the shade requirements or landscape standards in this chapter, shall provide shade trees or landscaping in compliance with Table 5-3. When parking lot shading does not meet City standards, planting of parking lot shade trees shall take precedence over other types of landscape improvements.

(Ord. 2185, Ord. 2358 §14, Ord. 2402)

**TABLE 5-3  
LANDSCAPE REQUIREMENTS FOR FACADE REMODEL PROJECTS**

Cost of Facade Remodel	Maximum Cost of Required Landscape Improvements
\$ 0 - 10,000	None
\$10,001 - 20,000	\$ 600
\$20,001 - 30,000	\$ 937
\$30,001 - 40,000	\$1,225
\$40,001 - 50,000	\$1,462
\$50,001 - 60,000	\$1,650
\$60,001 - 70,000	\$1,787
\$70,001 - 80,000	\$1,875
\$80,001 - 90,000	\$1,912
\$90,001 - 100,000	\$1,950
\$100,001+	2% of project cost

1 URGENCY ORDINANCE NO. \_\_\_\_\_  
2 (Codified)

3 AN URGENCY ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CHICO  
4 AMENDING CHAPTERS 14.08 AND 19.68 OF THE CHICO MUNICIPAL CODE  
5 REGARDING ENCROACHMENT PERMTIS AND LANDSCAPE CONVERSIONS

6 **WHEREAS**, the State of California has been experiencing historic and prolonged  
7 drought conditions;

8 **WHEREAS**, on April 1, 2015, Governor Brown issued an Executive Order that directs  
9 the State Water Board to impose restrictions to achieve a statewide 25% reduction in urban  
10 water use through February 28, 2016;

11 **WHEREAS**, the California Water Service Company (“Cal Water”) is the water  
12 purveyor for the city of Chico (“City”);

13 **WHEREAS**, to comply with the Executive Order, the State Water Board mandated that  
14 the Cal Water Chico District reduce water use by 32% as compared to 2013 water use; and

15 **WHEREAS**, to meet the mandatory water restrictions Chico residents have submitted  
16 requests to replace turf or grass in the parkway strip, which is within the City’s right-of-way,  
17 with drought tolerant plants and other low water use measures; and

18 **WHEREAS**, Chapter 19.68 of the Chico Municipal Code (CMC) establishes  
19 landscaping standards that may require the planting of new trees and other landscaping  
20 requirements as a condition of commercial facade remodels; and

21 **WHEREAS**, the City is a charter city; and Section 612 of the City Charter provides  
22 that any ordinance declared by the City Council to be necessary as an emergency measure for  
23 preserving the public peace, health, safety and welfare and containing the reasons for an  
24 urgency may be introduced and passed by a majority of the Council at one meeting.

1           **NOW THEREFORE, BE IT ORDAINED** by the Council of the City of Chico as  
2 follows:

3           **Section 1.** That CMC Chapter 14.08 – Encroachment and Excavation Permits is hereby  
4 amended to add a new Paragraph G. to Section 14.08.070 as follows:

5           **“14.08.070 Exceptions to permit requirements**

6           **G.** No encroachment permit shall be required in connection with the removal of turf or  
7 grass from a parkway in front of a residential structure for the purpose of installing  
8 water-efficient landscaping and/or irrigation systems, provided that all of the following  
9 conditions are met:

- 10           1. No excavation shall occur at a depth greater than 12 inches.
- 11           2. Prior to excavation or installation, the property owner shall contact the  
12           Underground Service Alert (USA North 811) and the City of Chico to locate  
13           underground utilities, and otherwise comply with Section 4216 et seq. of the  
14           California Government Code (as amended);
- 15           3. The excavation or installation work shall be performed with due diligence and  
16           in a manner that does not obstruct or interfere with a public street, utilities,  
17           street trees, or other facilities located within the public right-of-way or public  
18           service easement any more than is absolutely necessary..
- 19           4. Street trees requiring irrigation shall not be deprived of such irrigation;
- 20           5. No plants, other than trees, shall be planted which will grow to a height greater  
21           than 2 feet at maturity; or to a height that will interfere with service lines and  
22           sight distance areas.
- 23           6. The turf grass and/or other high water use vegetation is replaced in compliance  
24           with the City of Chico Residential Parkway Landscape Conversion Guidelines.”



1 7. All applicable requirements of Chapter 19.68 – Landscaping Standards of the  
2 Chico Municipal Code (CMC) are met.

3 **Section 2.** That Section 19.68.040 C. of CMC Chapter 19.68 will not apply if the  
4 planting of new landscaping required in connection with a Commercial Façade Remodel will  
5 result in an increase in water use for that site.

6 **Section 3.** This ordinance shall take effective immediately upon adoption, and shall  
7 remain in effect until February 7, 2016 unless extended by the City Council.

8 This ordinance was adopted by the City Council of the City of Chico at its meeting held  
9 on \_\_\_\_\_, by the following vote:

10 AYES:

11 NOES:

12 ABSENT:

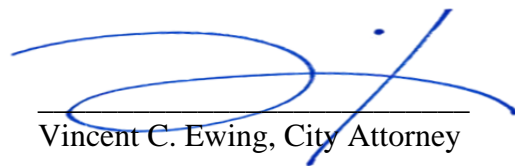
13 ABSTAIN:

14 DISQUALIFIED:

15  
16 ATTEST:

17  
18 \_\_\_\_\_  
19 Deborah R. Presson, City Clerk

APPROVED AS TO FORM\*:

20  
21  
22   
23 \_\_\_\_\_  
24 Vincent C. Ewing, City Attorney

\*Approved pursuant to The Charter of  
the City of Chico §906(D)

# 2015 Year End Monitoring Report for the Peregrine Point Disc Golf Course

Upper Bidwell Park, Chico, California

May 16, 2015



Prepared by: Dan Efsaef, Park and Natural Resource Manager



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## City of Chico

Public Works Department – Parks Division

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Phone: 530-896-7800  
Fax: 530-895-4731

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Appendix A - Revised (As Of 6/1/15) Active Mitigation And Monitoring Measures For The Bidwell Park Peregrine Point Disc Golf/Trailhead Area.

Appendix B – 2014 ORAI Annual Report

Appendix C – 2014 Peregrine Point Photos

Appendix D – [NSR]. North State Resources. 2014. Peregrine Point Disc Golf Course Botanical Monitoring. NSR No. 51325. Christine Hantelman and Paul Kirk. Chico, CA.

Appendix E – [NSR]. North State Resources. 2014. 2014 Peregrine Point Disc Golf Course Oak Tree Assessment and Monitoring Report (NSR Project No. 51325). Scott Gregory. Chico, California.

**Acknowledgements:**

We wish to thank Nancy Carter and Katharine Gray, CSU Chico, Mathematics and Statistics Department – Provided extremely helpful guidance in the statistics comparisons between years.

**Suggested citation:**

City of Chico. 2015. 2014 Year End Monitoring Report for the Peregrine Point Disc Golf Course. Chico, California. Prepared by Dan Efseaff. June 24, 2015. Public Works Department, Parks Division. Chico, California.

## I. INTRODUCTION

The Bidwell Park and Playground Commission (BPPC) and Chico City Council have directed Staff to work with Outdoor Recreation Advocacy, Inc. (ORAI) toward the construction of a disc golf long course and installation of mitigation measures at the Peregrine Point Trailhead Area. The course is located in Upper Bidwell Park off of Highway 32.

An operating agreement developed between the City of Chico and ORAI helps implement the disc golf course development, operation, and mitigation measures. Approximately 79 mitigation measures (Exhibit B in the Operating Agreement) were identified as part of the environmental review for the Bidwell Park Master Management Plan (BPMMP) (EDAW, 2009). Several measures applied during construction have been completed or are not applicable and the active list of mitigations have been removed from the active list of mitigation measures (Chico 2014) (Appendix A).

ORAI will pay up to \$5,000 annually toward completion of monitoring costs, and will complete maintenance and repairs to the course as needed.

ORAI began course development on September 1, 2010 and the course opened on February 12, 2011. As part of the project, the City of Chico developed a monitoring plan for the site (City of Chico, 2011). The monitoring plan articulates the adaptive management approach, and outlines the monitoring framework to evaluate the operation of the Peregrine Point Disc Golf Course. Monitoring provides the basis for assessing impacts associated with implementation and operation of the project and developing remedies to minimize those impacts.

Key functions of this year end monitoring report are to:

- Communicate implementation activities,
- Review monitoring results and project activities,
- Document the completion of project milestones,
- Point out salient monitoring results,
- Evaluate the effectiveness of monitoring activities and identify data gaps that require additional action or consideration.
- Identify potential challenges or objectives for the upcoming year, and
- Recommend specific actions (adaptive management recommendations) on any aspect of the program for the following year.

ORAI will also communicate issues regarding course repairs or resource impacts to the City. The City or consultant hired by the City will collect data and provide annual reports on the project. The City or outside consultant will invoice ORAI for monitoring work. Annual reports will be submitted to the BPPC and made available to the public.

The Monitoring Plan (City of Chico, 2011) outlines an adaptive management framework that guides this project and should be referred to for details. As part of the adaptive management approach, we anticipate that the monitoring approach and site remedies may evolve over time as our understanding becomes more refined. Data collection

frequencies, intensity, and protocols may change and future updates will reflect those changes. Based on the findings of the monitoring, modification to this program or the need to continue it should be considered after the 5<sup>th</sup> year.

### A. Review of Operating Agreement

The City and ORAI entered into an agreement for the site on June 18, 2010 (available at [http://www.ci.chico.ca.us/document\\_library/documents/DG\\_Op\\_Agmt\\_Signed\\_10\\_0618.pdf](http://www.ci.chico.ca.us/document_library/documents/DG_Op_Agmt_Signed_10_0618.pdf)). Table 1 provides a summary of the sections from the agreement and observations.

**Table 1. Review of Agreement Sections.**

Agreement Section	Issue	Performance/Observations
2	Scope of use	Adequate. ORAI has generally operated the 18-hole disc golf long course consistent with City Council approval on May 19, 2009. Instead of operating the 12-hole disc golf short course for the approved 5 year period, ORAI and the City closed short course. The course is subjected to wet-weather policies and the City has observed general compliance.
4	Permission not Exclusive (tournament limitations)	Adequate. Although there have been a few isolated events. Rangers contacted ORAI on one scheduled event (on a closed trails day) to redirect the event to another site. Staff did not receive the list of exclusive use dates for this year prior to the deadline (2/1/15). City has not received permit applications from other users to use the facility.
5	Implement MMMP, submit annual report, publicize availability.	Adequate. ORAI has conducted maintenance of infrastructure and submitted annual reports. Signage on site shares information about the site.
11	Implementation and Construction	Completed. ORAI complied with the terms and conditions of the Long Course Planning and Construction (a). ORAI also removed the targets on the Short Course (b).
12	Mitigation and Monitoring Requirements	In progress. ORAI continues to fund the botanical and oak monitoring. The facility must be in accordance with the mitigation measures for the site, which call for an adaptive management based monitoring plan. Last year's monitoring report recommended significant issues that will need to be completed before the 5 year review called for in the monitoring plan.
14	Maintenance and Repair	Mixed. Adequate for infrastructure related items. Over the term, ORAI has completed repairs, removed graffiti, and encouraged users to pick up trash on a regular basis. The infrastructure on the site is generally in good shape, with the exception of tree protection. Incomplete for recent significant recommendations (alternative hole placement, mulch, and trail work).
17	Alterations or Additions	Adequate. ORAI has implemented improvements according to City approved plans.

ORAI has met most of the conditions on the agreement. The agreement notes that the initial term is for five years and with two successive automatic extensions for five years. Upon review, the City has no objection to the extension at this time.

After the construction of the course, the Peregrine Point Monitoring Plan (Chico 2011) became the primary document for assessing performance and environmental compliance. The Plan notes that an overall review should be considered after the 5th

year of monitoring. The course opened in February 2011, and the 5th year review will occur with the 2015 Year End Monitoring Report (due to the BPPC in 2016). The 2015 report will assess the progress and performance on implementing the measures to protect resources. The next review of the agreement will occur in 2019.

### B. Monitoring Requirements

Approximately, 14 mitigation measures out of the total of 77 (Table 2) are the main focus of this Monitoring Report (Table 3). Some completed measures are subject to continued monitoring and subject to inspection. Significantly, the death of one of the blue oaks, shifted 5 measures from To Be Determined to In Progress.

**Table 2. Tally of the Status of Mitigation And Monitoring Measures for the Peregrine Point Disc Golf Course (6/1/15).**

Mitigation	Total	Not Applicable	Completed	In Progress	To Be Determined	Not Completed
Air Quality	11	4	7	-	-	-
Biological Resources	52	13	17 <sup>a</sup>	21 <sup>b</sup>	1	-
Cultural Resources	9	4	5	-	-	-
Hydrology	1	1	-	-	-	-
Noise	3	-	3	-	-	-
Traffic	1	-	-	-	1	-
<b>Total</b>	<b>77</b>	<b>22</b>	<b>23</b>	<b>21</b>	<b>7</b>	

<sup>a</sup> Tasks noted as completed may be split into ones that were required during construction (without any further action) and ones they must have on-going monitoring (for example, the presence of required signs must be monitored). Nine items are completed but require on-going monitoring.

<sup>b</sup> The documented mortality of a blue oak (11-001) triggers the replanting requirement and associated measures. Five (and possibly 6) measures therefore shift from To Be Determined to In Progress.

### C. Sampling Area

Monitoring occurs within the defined area of the Peregrine Point Disc Golf course (Chico 2010). Monitoring of other areas of the site are beyond the scope of this effort. Alternative hole/targets were created in 2014 and are shown on Figure 1.

**Table 3. Summary of Mitigation Measures Related to Long-Term Monitoring.**

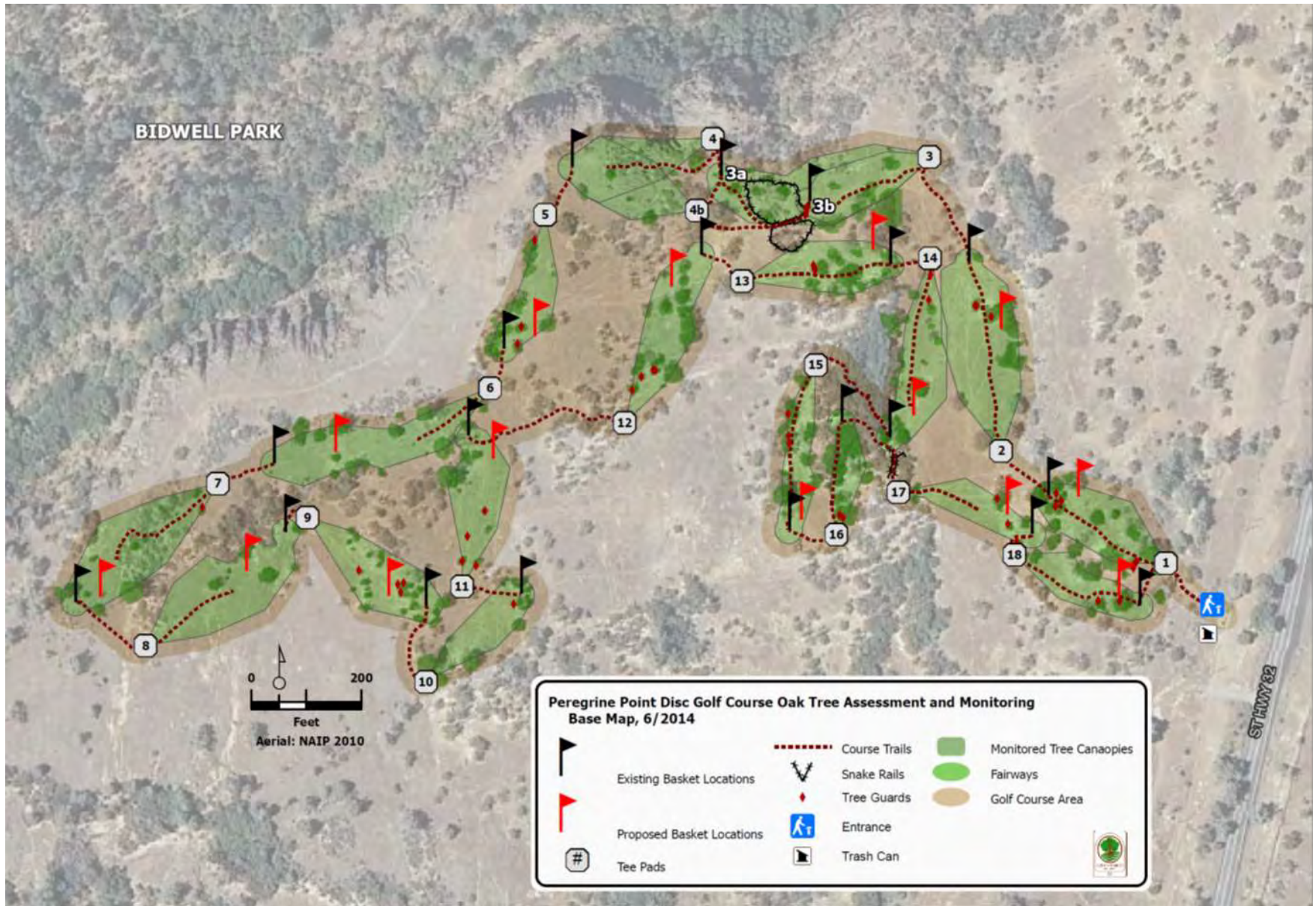
Topic	Mitigation #	Description/Goal	Trigger	Remedy
Butte County Checkbloom	BIO-1b-f	Adopt an Adaptive Management program to document changes over time.	Start of project.	Role and adaptive management program developed in this document.
	BIO-1b-g	Long term maintenance of the same number and approximate extent of Butte County Checkerbloom as the 2005 survey.	Data indicates a decline in existing populations after implementation.	Relocation of trails or disc golf structures.
Bidwell's knotweed	BIO-1d-a	Use a habitat approach to minimize impacts on wildflower fields.	High fluctuation in annual population makes tracking difficult.	Minimize impacts to wildflower fields.
	BIO-1d-e BIO-1d-f (remedy)	Document and monitor changes in existing population.	Monitor annually.  Decline in number or extent of existing populations.	Implement Plant Objective O.P-7 and Plant implementation strategies and guidelines I.P-3 and I.P-4 of the BPMMP. Relocation of trails or disc golf structures in vicinity of populations or other management strategies to benefit the plant.
Oak Woodland	BIO-3c-b	Decommission trails in oak woodlands that are part of a site-specific Park Improvement project.	Monitor annually	Reclaim using barriers. Decommission unused trails, identify needs annually.
	BIO-3c-i	Protect tree trunks without damage to the root zone and preserves visual character of the site.	Monitor annually	Install barrier protection measures and consider alternative holes.
	BIO-3c-j	Minimize soil compaction around tee pads and on trails under oak driplines.	Monitor annually	Apply layer of woodchip mulch around the tees and narrow foot traffic with barriers.
	BIO-3c-k	Determine if any unavoidable impacts are occurring as a result of site use.	Twice annually	Replant oak woodland habitat in suitable areas (l) according to conditions outlined in BIO-3c: l, m, n, o, p for a period of 5 years.
	BIO-3c-m	Oak planting from seeds (acorns) or seedlings that are obtained from the local genetic stock (Replacement ratios of 5:1 for trees lost greater than 5 inches dbh.	Death of Blue Oak 11-001	Plant 5:1 ratio and establish for a period of 5 years. If Planting occurs in 2015, planting will be monitored in 2020.
	BIO-3c-n	Oak planting protection, location, and irrigation.		
	BIO-3c-o	Replacement plantings monitoring (five years or until performance criterion 5:1 is achieved).		
	BIO-3c-p	If requested, allow community/user group stewardship of plantings under guidance and supervision by CITY staff.		



<b>Topic</b>	<b>Mitigation #</b>	<b>Description/Goal</b>	<b>Trigger</b>	<b>Remedy</b>
Wildflower Fields	BIO-3d-f	Reclaim existing trails not retained as part of site-specific Park Improvement Projects.	Monitor annually	Reclaim using barriers to discourage use of abandoned trails. Reseeding may be considered over time.
Signage	BIO-1b-d BIO-1d-b BIO-3c-h BIO-3d-g	Maintain permanent signage to inform users of the presence and sensitivity of 1) Butte County Checkerbloom, 2) Bidwell's knotweed and wildflower field, 3) value of native oak trees and woodland, and 4) presence and sensitivity of the wildflower field community, discourage off trail use.	Monitor annually	Repair or replace signs.

Note: that BIO-3c (m,n,o,p) have been made active due to the loss of Priority Tree 11-001.

Figure 1. Peregrine Point Disc Golf Course with Alternative Hole Placements (Chico 2014).



**Figure 2. 2014 Peregrine Point Disc Golf Course Butte County Checkbloom locations.**

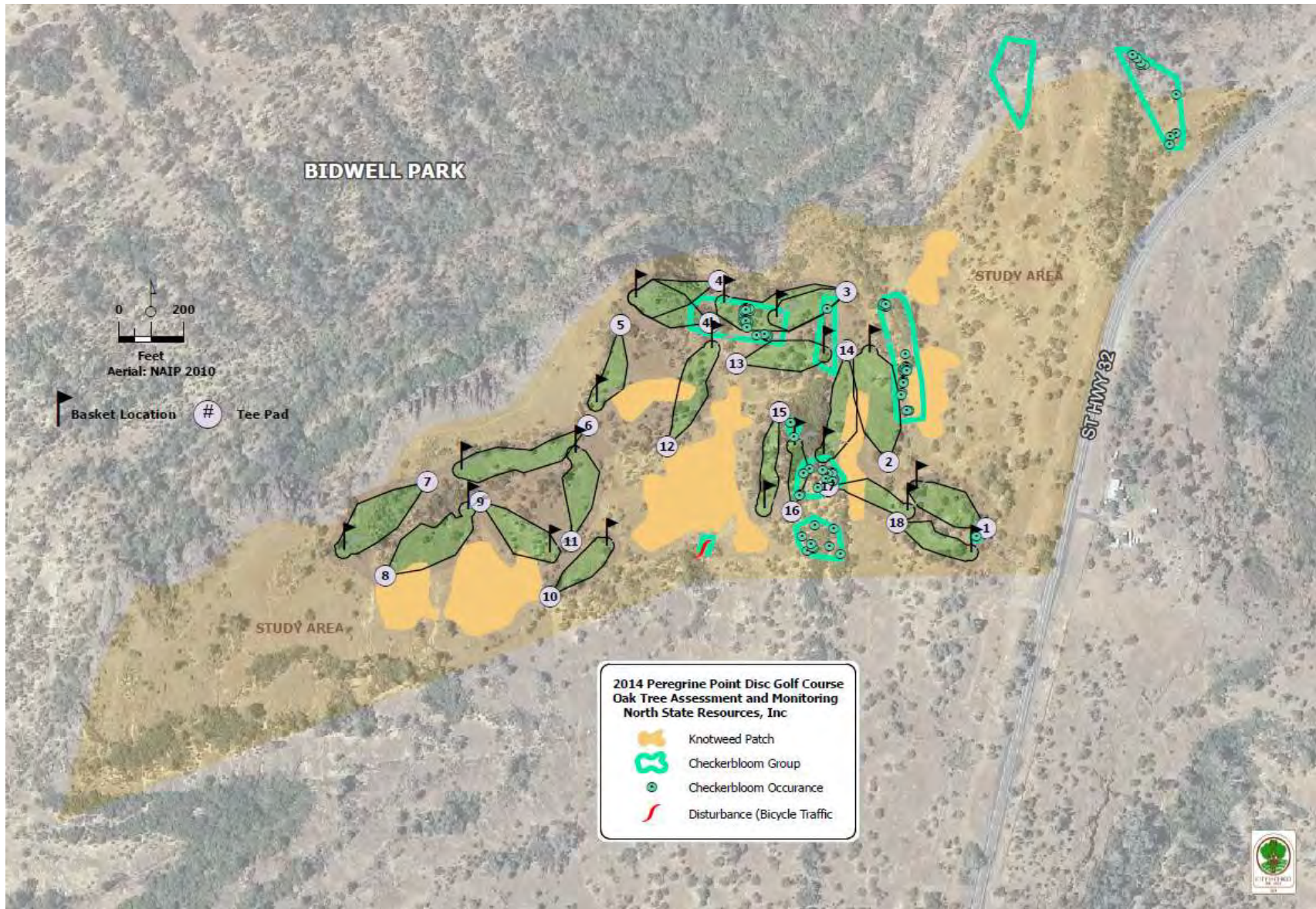


Figure 3. 2014 Peregrine Point Disc Golf Course Tree Condition.



Figure 4. 2014 Peregrine Point Disc Golf Course Tree Condition Trends.



## II. SUMMARY OF RESULTS

This monitoring report is based on the following reports related to monitoring at the site:

- Wildflower and survey (NSR 2014a),
- Blue oak monitoring (NSR 2014b),
- Site evaluation and ranger observations (by City of Chico staff), and
- Annual report (ORAI 2015).

### A. Course Improvements and Activities

1. Met with NSR staff to discuss changes to course and modification to monitoring plan.
2. Removed oak transect and moved toward using the knotweed as a surrogate for wildflower fields.
3. ORAI reported back on the results of tone pole placement on the alternative holes to provide placement feedback.
4. The number of targets that require mulch is 6 targets. We recommend mulch on 8 tees as well (Table 4) as they are within the dripline of oak trees.

**Table 4. Tees and Targets within Oak Tree Drip-lines.**

Hole Number	Required Tee	Recommended Target	Easy Access	Added Mulch
1	-	+	+	
9	+	+	-	
10	-	+	-	
11	+	-	-	
12	+	-	-	
13	+	+	-	
14	-	+	+	
15	+	-	+	
16	+	+	+	
17	+	-	+	
<b>Total</b>	<b>7</b>	<b>6</b>	<b>6</b>	

Notes: No (-). Yes (+). Bold indicates more than 3 yards required

### B. ORAI Annual Report

ORAI provided a report (Appendix B) summarizing activities at the course including volunteer efforts and costs associated with payment for site studies.

#### 1) Usage:

- a) ORAI estimates that usage seems to be up (approximately 17%) from the previous year.
- b) In 2014, 9 exclusive use days with 6 tournaments. Tournaments brought in between 25 and 89 people. Held second “The Flight of the Falcon”, an official PDGA (Professional Disc Golf Association) tournament.

- c) ORAI noted education efforts for tournament participants and thru the maintenance committee. ORAI describes the committee's new "educate while you play program".
- 2) Course Maintenance:
- a) ORAI's Peregrine Point Maintenance Committee continued efforts on maintaining the course and reported over 250 hours of volunteer time.
  - b) Activities reported: unwanted trail abatement, litter removal, tee pad maintenance, mulch spreading, fixing rail fencing around OB's and cleaning any graffiti from benches and baskets.
  - c) ORAI reported progress on "spur" trails off.
- 3) Proposed Activities:
- a) In 2015 ORAI will sponsor a number of events and tournaments. All these events will be open to the general public.
- 4) Finances:
- a) ORAI had reported expenses of \$7,365.50 (Environmental studies: \$5,355; Insurance: \$1,365; Course maintenance and improvements. \$645).
  - b) Funding came from the proceeds from the sale of fundraising items, fundraising events and donations. ORAI hopes to attract additional funds from the "Hole Adoption Program".
- 5) Proposed Activities:
- a) Including regular Bag Tag opener, 3 more PDGA official events, small weekly club events and a few other fun tournaments including a free kid's tournament.
  - b) All these events will be open to the general public on our Exclusive Use Days to help assist in fundraising.
  - c) Exclusive use days requested: March 21<sup>st</sup>, April 25<sup>th</sup>, May 9<sup>th</sup>, June 13<sup>th</sup>, July 18<sup>th</sup>, August 8<sup>th</sup>, September 12<sup>th</sup>, October 10<sup>th</sup>, November 14<sup>th</sup>, and December 12<sup>th</sup>.

### **C. Staff Observations, Site Evaluation, and Photo Point Monitoring**

The Site Evaluation allows Staff to assess compliance with mitigations and observe any improvements or areas of concern (Chico 2011). The photo-point monitoring for 2014 (May) is presented in Appendix C.

In addition, Rangers collected observations of vehicles in parking lots (Table 5, Figure 3) Data collection was very limited due to reductions in Ranger time and other obligations. We collected limited data only for the first 4 months of the year. While not all vehicles on the site are related to disc golf, it does provide a sense of use and compliance with wet weather closures. The average number of vehicles observed may be summarized as follows:

- "Open day" observations 16.8 vehicles (n = 15, std dev, 11.7);
- "Closed day observations 1.8 vehicles (n = 13, std dev, 3.5).

**Table 5. 2014 Summary of Ranger Vehicle Observations.**

Variable	Jan 1	Feb 2	Mar 3	Apr 4	Annual Trend	Total/ Ave
Status - Open						
N (Observations)	1	12	1	1		<b>15.00</b>
Average # Vehicles	0	17.4	40	3		<b>5.03</b>
Status - Closed						
N (Observations)	1	8	3	1		<b>13.00</b>
Average # Vehicles	0	2.75	0.33	0		<b>0.26</b>
<b>Total Observations</b>	<b>2</b>	<b>20</b>	<b>4</b>	<b>2</b>		<b>28</b>
<b>2014 Avg. # Veh.</b>	<b>0.00</b>	<b>11.54</b>	<b>10.25</b>	<b>1.50</b>		<b>1.94</b>
<b>Rank</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>3</b>		

**D. Butte County Checkerbloom and Bidwell’s Knotweed, and Wildflower Field Surveys**

North State Resources, Inc. (NSR) surveyed the extent and distribution of Butte County Checkerbloom and Bidwell’s Knotweed (NSR 2014b). Bidwell’s Knotweed continued the trend of increased fragmentation and smaller areas (Table 6); while observations of Butte County Checkerbloom increased. NSR (2014b) noted that Checkerbloom plants and habitat were in good condition, while knotweed were likely affected by the combination of drought and heavy foot traffic.

**Table 6. Preliminary Comparison of Key Data from Botanical Monitoring.**

Resource	Variable	Sub-variable	2010	2011	2012	2013	2014	Trend
<b>Bidwell's Knotweed</b>								
	# Patches		10	10	18	16	23	
	Area (acres)		3.16	4.62	1.6	1.5		
<b>Butte County Checkerbloom</b>								
	# Occurances		62	132	114	180	195	
		# units reproductive	-	64	59	69	67	
		# units vegetative	-	68	55	111	128	
	# Racemes			145	247	187	242	
		# racemes in flower/fruit racemes	-	50	27	26	16	
		# racemes in bud	-	39	132	85	182	
		# racemes nipped	-	56	88	76	44	



## E. Blue Oak Woodlands

As with last year's report, the data analysis compared "priority" and "reference" blue oak trees (Chico 2014).

### a) 2014 Analysis

Using the individual tree data from NSR (2014a) and ANOVA techniques, staff compared blue oak groups (Table 7). Three variables were statistically significant (also significant in 2013 and 2014), Trunk Quad Impacts (#), Damaged Bark Patches (#), and Broken Branches (#).

NSR (2014b) observed 5 trees that appeared to be dead (3, Priority, and 2, Reference trees). We did not observe a statistically significant difference between groups ( $p = 0.45$ ). The status of these trees will be monitored in 2015.

The 2014 monitoring did confirm the loss of one blue oak (11-001a and b; first reported in 2013). This tree was part of the old course and was one of the most impacted trees on the course. The loss of the 9-dbh tree is subject to mitigation measure BIO-3cl (and subsequent measures m, n, o, p) and must be replanted on a 5:1 replacement/establishment ratio.

**Table 7. Comparison of Priority and Reference Trees Using ANOVA Based on 2014 Observations.**

Variable	Reference Tree (n = 51)		Tree Priority 1 Tree (n = 39)		Statistically Different (p-value)
	Ave	Std Dev	Ave	Std Dev	
Diameter at Breast Height (DBH) (ft)	9.88	4.48	11.36	6.31	No ( $p=0.20$ )
Tree Height (ft)	19.51	5.73	20.74	6.58	No ( $p = 0.35$ )
Crown Width (ft)	21.08	12.19	18.92	8.42	No ( $p = 0.35$ )
Trunk Quad Impacts (#)	0.490	0.66	2.80	0.80	<b>Yes (<math>p &lt; 0.001</math>)</b> *
Damaged Bark Patches (#)	0.45	1.29	1.23	1.53	<b>Yes (<math>p &lt; 0.01</math>)</b> *
Broken Branches (#)	4.45	3.06	7.15	2.52	<b>Yes (<math>p &lt; 0.001</math>)</b> *
Dead Canopy (%)	21.3	17.8	24.5	22.1	No ( $p=0.45$ )
Mistletoe presence	0.12	0.33	0.23	0.43	No ( $0.16$ )
Tree Condition (#)	3.33	0.59	3.41	0.75	No ( $p=0.59$ )

Note: Treated multiple stems as individual entries. Data from NSR 2014, statistical analysis printout in Appendix F.

\* Statistically significant in 2013 and 2014.

### b) Comparison between Years

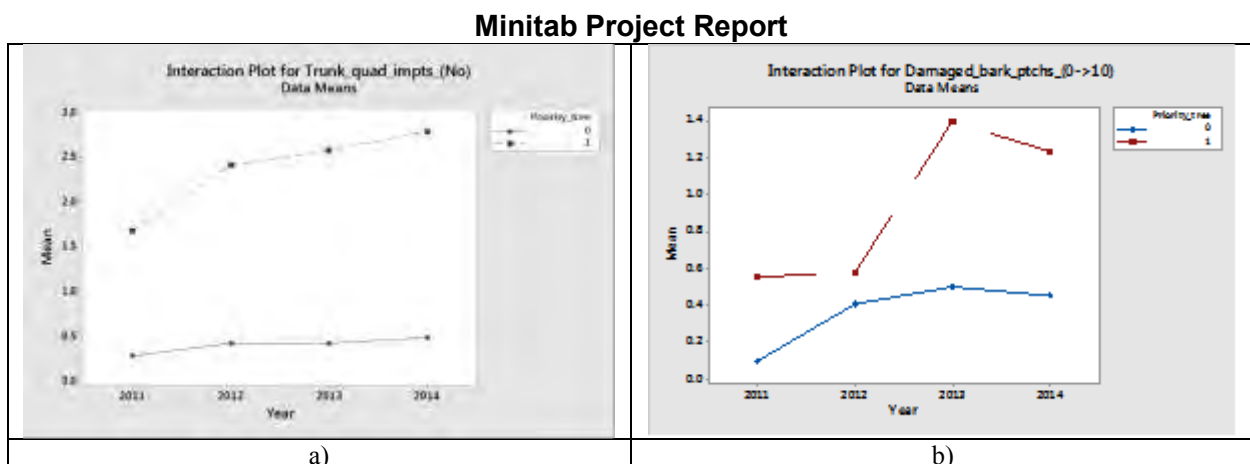
To examine the question of whether there are differences between Priority and Reference Trees (Ind\_Course) over the sampling period (Year) and any interactions, Staff followed the approach developed last year with Professors Nancy Carter and Katharine Gray from CSU Chico's Mathematics and Statistics Department (Chico 2014).

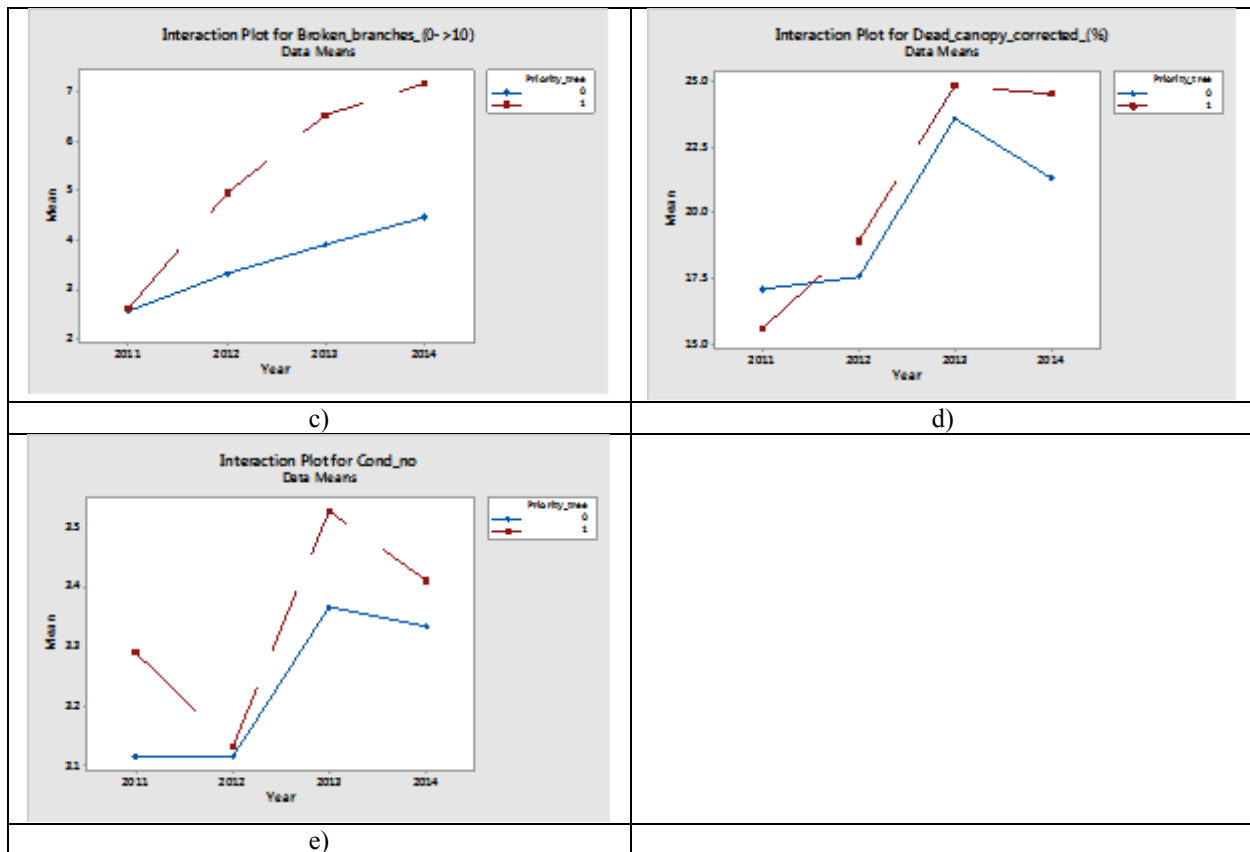
Using the General Linear Model (to first see if there are any statistical differences) and following up with a Tukey test (using 95% Confidence Intervals to determine which ones are different and by how much), we found the following (Appendix G):

1. We did not observe statistical differences in trends (per year) between Priority and Reference trees in the following:
  - a. Tree Height,
  - b. Crown Width, and
  - c. Diameter at Breast Height (DBH).
2. Trunk quad impacts (1-4 scale) – we observed statistically significant differences between priority and reference trees, year, and their interaction ( $p < 0.001$ ). While reference trees have remained statistically similar and flat, priority trees exhibit more quads impacted (2.29 more) and show increases over 2011 estimates (0.89 more quads).
3. Damaged Bark Patches (total number 0 to >10) – continued a gap between groups first observed in 2013 (more than doubled from 0.6 in 2011).
4. Broken Branches (total number 0 to >10) – While both Priority and Reference trees sustained damage over time, it is clear (95% Confidence) that Priority Trees sustained statistically higher damage than Reference Trees.
5. Dead Canopy (5 classes) – no difference between Reference and Priority Trees ( $p = 0.71$ ). However, dead canopy ( $p < 0.001$ ) increased over time (perhaps indicating 2 years of drought). Dead canopy increased at a fast rate for Priority Trees over Reference Trees.
6. Tree Condition (5 classes) – The mean condition of all trees have gotten worse since monitoring began. Priority trees are in a poorer condition than Reference trees.

Figure 7 provides a graphical representation of these variables. We should note that while some differences may be small and confounding factors may be at play (i.e. the course was not set up randomly), nearly all factors trend in a negative direction, suggesting that disc golf play has had an increasing negative effect on blue oaks.

**Figure 5. Interval Plot Comparing Years and Priority (1) and Reference (0) Trees for Statistically Significant ( $p < 0.01$ ) Factors: a) Trunk Quad Impacts, b) Damaged Bark Patches, c) Broken Branches, d) Dead Canopy, and e) Condition.**





## F. Data Handling and Storage

The revised reports are attached (Appendices D and E), shared with the BPPC, and available to the public through the City of Chico website (<http://www.chico.ca.us/>). Project derived GIS layers are submitted to the City's GIS department (and stored at CSU Chico's Geographical Information Center).

## III. DISCUSSION AND EVALUATION OF DATA

Many of the observations and discussion from the 2013 report still hold for this monitoring period.

### Site Evaluation and Usage

1. The trend for wet weather compliance is good with the ratio between average number of vehicles between open and closed observations can be summarized as follows:
  - 2011 - 2.3:1
  - 2012 - 4.9:1
  - 2013 - 4.2:1
  - 2014 - 9.5:1 (limited data set collected only until April).
2. Staff remains concerned about the amount of bare ground caused from a variety of park visitors (disc golf play, bikes, hikers, and other uses) and the potential for soil erosion at the site.

### Butte County Checkerbloom and Bidwell's Knotweed, and Wildflower Field Surveys

1. Bidwell's knotweed was found in similar numbers as 2012 (more but smaller patches, suggesting retraction of previously occupied areas).
  - a. Many of the plants were in flower, suggesting that sampling was well timed (NSR 2013a).
  - b. NSR (2013a) noted trampling and erosion that appears to be associated with use a mountain bikes.
  - c. The dry winter may have also contributed to this reduced area.
2. The number of Butte County Checkerbloom occurrences increased in 2013 (180 in 2013 vs. 114 in 2012) while the plants produced fewer racemes (187 in 2013 vs. 247 in 2012) (NSR 2013a).

### Blue Oak Woodlands

1. Trends identified in 2013 (quad impacts, damaged bark patches, and broken branches) continued to be significantly higher in priority trees than reference trees.

#### **A. Identification of Data Gaps**

1. Last year, NSR noted that an established, replicable protocol was not available for the wildflower field data. Staff recommended that the combination of the knotweed data and observations of use serve as a surrogate for the wildflower area. The remaining mitigation (Wildflower Fields (BIO-3d-f) - Reclaim existing trails not retained as part of site-specific Park Improvement Projects) for wildflowers is related to reducing foot traffic and so observations on bare ground may be more pertinent.
2. Rangers did not collect car data after April due to limited time to record the data (and limited times to visit the site) because of staffing limitations. Anecdotally, use on the course has increased.
3. The continuing impacts of drought may exacerbate decline of blue oaks to an undocumented degree.

## **IV. FOLLOW-UP RECOMMENDATIONS**

### **A. Findings and Course Improvements**

1. Performance – In 2015, ORAI's performance and completion of course improvements will be critical to the long-term prospects of the course as a disc golf course. As laid out in the monitoring plan (Chico 2011) a thorough evaluation of the course will occur next year. Staff stresses that significant progress must occur in during 2015 season to reverse the current troubling trends on-site (especially related to blue oaks and knotweed).
2. 2015 Monitoring – Staff recommends that the items identified in last year's report be brought forward.
3. Improve Coordination - ORAI should report damage or increase vandalism to the Park Rangers. Large down trees or other hazards should be reported and recorded as a service request to Parks staff.
4. Course Features –
  - a. Overall repair and clean up - Generally, the course is relatively free of trash and graffiti during most visits, and ORAI should continue their efforts on the ground but also to educate users. Note that since the formal evaluation of

the course, staff have observed a deterioration of course features, especially tree protectors.

- b. Hole signs – Last year’s report shared the concept for proposed hole signs (hazards, resource issues, stewardship reminders, and the hole sponsor). ORAI has provided examples. Staff notes that these signs will help reinforce sensitive resource areas and fairway paths and hazards.

**Figure 6. Example Hole Signs.**



a) Template for new signs.

b) Example sign

- c. Alternative hole placement –
  - i. Last year’s report recommended the consideration of alternative hole/target placements at: 1, 2, 4, 6, 7, 8, 9, 10, 11, 12, 14, 17, and 18. The intent of the alternative hole is to provide recovery time and can be switched back.
- d. Out of bounds (OB) areas – Signage and potentially moving the fencing will be considered at Hole 3 to reduce traffic thru the off limits area and along the northern OB fenceline. Staff would consider other ideas ORAI may have in reducing game play in sensitive areas.

5. Trails and fairway paths –

- a. Complete measures identified last year (alignment, improved signage, and embedded rocks on pathways) to minimize the number and width of multiple threaded trails and fairway paths.

6. Butte County Checkerbloom and Bidwell’s Knotweed, and Wildflower Fields

- a. Trampling and bike use from visitors continued as the biggest threat.

## 7. Blue Oaks –

- a. Implement measures to minimize direct disc impacts.
- b. Distribute mulch on accessible holes (1, 14, 15, 16, 17, and 18) and consider mulch and other measures to shrink down less accessible areas (9, 10, 11, 12, and 13 and the Tee areas for 9, 11, 12, and 13).
- c. Planting must occur (a 5:1 replacement ratio) this fall for the blue oak that died (11-001a and b).
- d. Staff recommends that ORAI collect acorns on the site and plant the replacements in fall 2015 near Hole 11. Staff will determine favorable locations and provide guidance for care. As the ratio is for replacement, staff suggests “overplanting” to account for some mortality.
- e. As there is an effort to plant oaks in the Park (Butte Environmental Council) staff will seek if there is interest to help ORAI with the stewardship of these plants (BIO 3c-p: “ If requested, community/user group stewardship of the plantings shall be allowed to contribute to restoration/revegetation efforts under guidance and supervision by CITY staff”)

### **B. Alterations to the Next Monitoring Plan or Report**

The following should also be added to the next management plan:

1. Add survivorship monitoring of the blue oaks that will be planted for 11-001.
2. Cease the collection of transect sampling. Last year’s report noted that the collection of transect data should cease and those trees should be added to the Reference Tree – Priority Tree data collection. Staff will amend that recommendation to omitting those trees from collection as the current sampling provides adequate statistical comparisons.
3. As per discussions with NSR, the development of a “wildflower fields” protocol was omitted. Instead, staff recommends that the knotweed polygons serve as surrogates for the “wildflower fields”.
4. No longer collect ranger observations on vehicles, unless it is part of a larger visitation effort.

All other past recommendations stand.

## **V. SUMMARY**

This represents the fourth monitoring report for the Peregrine Point Disc Golf Course. The next monitoring report will summarize the first five years and update the monitoring requirements. Last year’s report noted that while many things are working well on the course, the damage to blue oaks have emerged as a concern. Staff highlighted the alternative hole/target placement as one of the most important measures to minimize impacts. The mortality of a blue oak (11-001) triggers the mitigation requirements for planting of additional oaks. Erosion issues and informal trails from other users will continue to be an issue. Staff feels that it is imperative for ORAI to aggressively complete the report recommendations in 2015. Implementation of the recommendations will allow for protection of resources, satisfying required mitigation measures, and maintaining the status of the course.

## VI. REFERENCES

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**Appendix A - Revised (As Of 6/1/15) Active Mitigation And Monitoring Measures For The Bidwell Park Peregrine Point Disc Golf/Trailhead Area.**



**Appendix A - Revised (As Of 6/1/15) Active Mitigation And Monitoring Measures For The Bidwell Park Peregrine Point Disc Golf/Trailhead Area. Completed or Not Required Measures Removed (See Monitoring Plan for entire list).**

Mitigation Measure	Implementation Responsibility	Funding Responsibility	Implementation Trigger or Date	Frequency	Implementation Comments
<b>AIR QUALITY</b>			During construction.		Measures (11) applied during construction only. No further action required.
<b>BIOLOGY</b>	See Below	See Below	See Below	See Below	See Below
<p><b>Mitigation Measure BIO-1b: Implement Measures to Protect Butte County Checkerbloom in the Disc Golf/Trailhead Concept Plan Area</b></p> <p>The following measures shall be implemented to mitigate potential direct and indirect effects on populations of Butte County checkerbloom from implementation of the Disc Golf/Trailhead Area Concept Plan:</p>	OPERATOR / CITY	OPERATOR / CITY	Before ground-disturbing activities and during ongoing operation	See Below	See Below
a. As provided in Appendix H of the BPMMP, the Disc Golf/Trailhead Area Concept Plan shall be implemented to avoid direct and indirect impacts on known locations of Butte County checkerbloom on the site. All disc golf structures (e.g., tees, targets, fairways) and trails shall be placed a minimum of 50 feet from locations that currently support Butte County checkerbloom wherever possible. Where this cannot be accomplished due to physical site constraints, the buffer may be reduced, but shall remain at a minimum of 25 feet.	OPERATOR	N/A	During construction activities, and ongoing monitoring.	Implement during construction; monitor monthly	In progress. The course alignment addresses many of these issues. However, two course features (existing trails), falls within 25 feet of checkerbloom plants, and it may not be possible to move the trail (users may ignore reroute efforts in those areas). For example, an existing trail near Hole 14, comes within 25 feet of a checkerbloom plant (the plant was discovered after the 2005 survey. Snake rail fencing has been placed in this area to clearly define the trail, and keep users away from the sensitive area.
b. Before construction... Butte County checkerbloom, exclusionary fencing ....	OPERATOR	OPERATOR	During construction.	.	Completed. No further action required.
c. The Disc Golf/Trailhead Area Concept Plan shall restrict foot traffic to clearly defined trails and disc golf features. Trails shall be constructed as narrow as possible to avoid degradation of suitable habitat for Butte County checkerbloom (and other special status plant species). Where existing disc golf structures and trails in the vicinity of existing locations of Butte County checkerbloom will be decommissioned, barriers (such as boulders) shall be placed to discourage use of these trails and structures.	OPERATOR with qualified botanist	OPERATOR	During construction activities and on-going.	Implement during construction; monitor monthly during construction	Completed. Requires on-going monitoring. Construction phase completed. Maintenance phase in progress. Staff anticipates on-going work with Operator to define trails (with snake rail fencing, rock lining of paths, and potentially plantings) to protect resources and narrow trails, and to decommission trails.  The trails for the Trailhead Concept plan have not been delineated.

**Appendix A - Revised (As Of 6/1/15) Active Mitigation And Monitoring Measures For The Bidwell Park Peregrine Point Disc Golf/Trailhead Area. Completed or Not Required Measures Removed (See Monitoring Plan for entire list).**

Mitigation Measure	Implementation Responsibility	Funding Responsibility	Implementation Trigger or Date	Frequency	Implementation Comments
d. Permanent signage at the trailhead/rest area shall be installed to inform Park users of the presence and sensitivity of Butte County checkerbloom (and other sensitive resources) on the site.	OPERATOR	OPERATOR	On-going.	Install after construction; monitor signage annually.	Completed. Requires on-going monitoring and upkeep of signs.
e. As provided in Appendix H of the BPMMP, alternate pin locations for Holes 3 and 4 of the long course shall be used from March 1 through July 1 to provide further assurance that potential disturbance of nearby checkerbloom plants during the active growth and blooming period of the plants is minimized.	OPERATOR	OPERATOR/ CITY	During and after (seasonally) construction.	Implement and monitor annually	Construction phase completed. Requires on-going monitoring of seasonal pad changes and use. Alternative pin installation complete for Holes 3 and 4. Only the winter fairway is installed and used as the all season fairway for Hole 13.
f. Per Plant Objective O. P-8 of the BPMMP, an adaptive management program shall be implemented that relies on periodic data collection on the distribution of Butte County checkerbloom at the Disc Golf/ Trailhead site. The goal of this adaptive management program shall be to document and monitor changes in the existing population of Butte County checkerbloom over time. The adaptive management plan is intended to address the fact that, notwithstanding the buffers and signage, the CITY cannot guarantee that the use of the park will not disturb Butte County checkerbloom.	OPERATOR	OPERATOR	After construction.	Monitor annually	Completed. Requires on-going monitoring. Plan completed. Implementation in progress. The Monitoring Plan lays out the sampling protocol, which includes the GPS locations of wildflower fields and checkerbloom. Samples collected in 2010 and 2011.
g. If data collection indicates a decline in existing populations after implementation of the Disc Golf/Trailhead Area Concept Plan and Plant Objective O. P-8 of the BPMMP, relocation of trails or disc golf structures in the vicinity of these populations, or other management strategies that would benefit the plants based on the data collected, shall be implemented. This strategy would implement Plant Objective O. P-7 and Plant Implementation Strategies and Guidelines I. P-3 and I. P-4 of the BPMMP. The overall goal of the adaptive management strategy shall be the long-term maintenance of the same number and approximate extent of	OPERATOR / CITY	OPERATOR to reimburse CITY for surveys of checkerbloom, wildflower fields (Years 1, 3 and 5 and every other year thereafter – cost est. to be \$2,000 per survey)	After construction.	Monitor annually.	In progress. Data collection in 2011 will allow for future comparisons and we will be able to start to examine trends with the 2012 survey data.

**Appendix A - Revised (As Of 6/1/15) Active Mitigation And Monitoring Measures For The Bidwell Park Peregrine Point Disc Golf/Trailhead Area. Completed or Not Required Measures Removed (See Monitoring Plan for entire list).**

Mitigation Measure	Implementation Responsibility	Funding Responsibility	Implementation Trigger or Date	Frequency	Implementation Comments
occurrences of Butte County checkerbloom as documented during the 2005 surveys.					
<p><b>Mitigation Measure BIO-1d: Implement Measures to Protect Bidwell's Knotweed at the Disc Golf/Trailhead Area</b></p> <p>The following measures shall be implemented to mitigate for potential direct and indirect effect to Bidwell's knotweed at the Disc Golf/Trailhead Concept Plan area:</p>	OPERATOR / CITY	OPERATOR/ CITY	See Below	See Below	See Below
<p>a. The Disc Golf/Trailhead Area Concept Plan shall be implemented to minimize direct and indirect impacts on Bidwell's knotweed habitat on the site. Because Bidwell's knotweed is an annual plant species, population sizes may fluctuate greatly from year to year. Therefore, simply avoiding plants that are present in a given year would not ensure that great numbers of individuals would not be affected in subsequent years. Therefore, a habitat approach shall be taken to minimize impacts on this species. This approach would entail minimizing impacts to wildflower fields, the native plant community that supports Bidwell's knotweed.</p>	OPERATOR / CITY	OPERATOR/ CITY	During construction of Disc Golf/Trailhead Area Plans and during ongoing operation	Implement prior to and during construction; monitor weekly during construction	In progress. The course alignment addresses many of the negative impacts from foot traffic. Data collected in 2011.
<p>b. Consistent with the Disc Golf/Trailhead Area Concept Plan, trails shall generally be placed outside of wildflower fields. The Disc Golf/Trailhead Area Concept Plan shall be implemented to restrict foot traffic to clearly defined trails and disc golf structures. The number of trails dissecting wildflower fields shall be minimized to the fewest number necessary to facilitate reasonable access to the disc golf course and scenic viewpoints, and trails shall be as narrow as possible and have clearly marked edges to reduce widening and discourage users from wandering off the path. Existing trails through wildflower fields that will not be retained as part of the Disc Golf/Trailhead Area Concept Plan shall be decommissioned, and barriers (such as boulders) shall be placed just outside any points</p>	OPERATOR / CITY	OPERATOR/ CITY	During construction of course and future trailhead. Ongoing.	Implement prior to and during construction; monitor monthly during construction	In progress. Many pathways were defined in 2011. With use we anticipate some modification and adjustment. Staff will be reviewing the trails and offer remedies with ORAI. With the course installation, a number of features have been placed to guide users to trails. The snake rail fencing appears to aid with narrowing and defining trails as users adapt to the new course. Staff will explore the need for it over time.

**Appendix A - Revised (As Of 6/1/15) Active Mitigation And Monitoring Measures For The Bidwell Park Peregrine Point Disc Golf/Trailhead Area. Completed or Not Required Measures Removed (See Monitoring Plan for entire list).**

<b>Mitigation Measure</b>	<b>Implementation Responsibility</b>	<b>Funding Responsibility</b>	<b>Implementation Trigger or Date</b>	<b>Frequency</b>	<b>Implementation Comments</b>
where trails enter the wildflower field community to discourage use of these trails.					
c. Exclusionary fencing... construction ... wildflower field ... Bidwell's knotweed....			During construction.		Completed. No further action required.
d. Permanent signage at the trailhead/rest area shall be installed to inform Park users of the presence and sensitivity of Bidwell's knotweed and wildflower field habitat and to deter users from disturbing the species.	OPERATOR	OPERATOR	After construction.	Implement following construction; monitor signage annually	Sign completed, on-going monitoring and maintenance of sign.
e. Per Plant Objective O. P-8 of the BPMMP, an adaptive management program shall be implemented that relies on periodic data collection on the distribution of Bidwell's knotweed at the Disc Golf/ Trailhead site. The goal of this adaptive management program shall be to document and monitor changes in the existing population of Bidwell's knotweed over time.	CITY	CITY	After construction and ongoing.	Monitor annually	In progress. Adaptive management program described as part of monitoring plan and will be completed as part of future data collection.
f. If data collection indicates a decline in the number or extent (i.e. square feet) of existing populations after implementation of the Disc Golf/Trailhead Area Concept Plan, relocation of trails or disc golf structures in the vicinity of these populations, or other management strategies that would benefit the plants based on the data collected, shall be implemented. Seasonal and annual variation of the plants in response to environmental conditions such as rainfall shall be taken into consideration when determining if a decline is occurring. This strategy would implement Plant Objective O. P-7 and Plant Implementation Strategies and Guidelines I. P-3 and I. P-4 of the BPMMP.	OPERATOR	OPERATOR to reimburse CITY for surveys of Bidwell's knotweed, wildflower fields (Years 1, 3 and 5 and every other year thereafter – cost est. to be \$2,000 per survey)	After construction and ongoing.	Monitor annually; develop program as needed	In progress.
<b>Mitigation Measure BIO-2c: Implement Measures to Protect and Compensate for Loss of Vernal Pool Invertebrate and Western Spadefoot Habitat</b>				-	None Exist. Measures (5) either completed or not applicable. No further action required.
<b>Mitigation Measure BIO-2d(1): Protect Tree-Nesting Raptors</b>			... construction ...	-	Measures (3) related to construction. No further action required.

**Appendix A - Revised (As Of 6/1/15) Active Mitigation And Monitoring Measures For The Bidwell Park Peregrine Point Disc Golf/Trailhead Area. Completed or Not Required Measures Removed (See Monitoring Plan for entire list).**

Mitigation Measure	Implementation Responsibility	Funding Responsibility	Implementation Trigger or Date	Frequency	Implementation Comments
Mitigation Measure BIO-2d(2): Protect Peregrine Falcon			...construction...	-	Measures (2) related to construction. No further action required.
Mitigation Measure BIO-2f: Implement Measures to Protect Other Special-status Nesting Birds			...construction ...	-	Measures (2) related to construction and completed on not applicable. No further action required.
<b>Mitigation Measure BIO-3c: Implement Measures to Protect Oak Woodland</b> The following measures shall be implemented to mitigate potential impacts on oak woodlands resulting from implementation of the Disc Golf/Trailhead Area Concept Plan:	OPERATOR	OPERATOR	During construction activities and during management.	See below	See Below
a. Where possible, trails, improvements, and facilities shall be constructed outside of oak woodlands. The number of trails dissecting oak woodlands shall be minimized to the fewest number necessary to accomplish the goals of the site-specific Park Improvement Projects. The width of trails through oak woodlands shall be minimized and trails shall have clearly marked edges that discourage trail widening and deter users from straying off the designated trail.	OPERATOR – biologist	OPERATOR	TBD	Implement during construction	In progress. Staff and Operator will be reviewing trail routes and trails that will be decommissioned.
b. Trails through oak woodlands that are decommissioned as part of a site-specific Park Improvement Project shall be reclaimed using barriers (such as boulders) to discourage continued use of these trails.	OPERATOR / CITY	OPERATOR/ CITY	TBD	Implement during and following construction; monitor annually	In progress. Under review. Some barriers (i.e. snake rail fencing, rocks, and eventually plantings) will define a reduced footprint of tee pads and trails.
c. Grading, trenching, equipment storage, and other soil-disturbing or compacting activities shall not occur within the drip lines of oak trees. New structures and impervious-surface materials shall not be placed in the drip lines of oaks, except where deemed necessary to reduce the footprint size of tees as part of the proposed Disc Golf/Trailhead Concept Plan and to reduce soil compaction.	OPERATOR	OPERATOR	TBD	Implement during and following construction; monitor monthly during construction	Completed. No further action required. No grading, trenching, equipment storage occurred on site. The construction access route was planned to avoid wildflower field and blue oak areas to the extent possible. Operator’s consultant suggested a priority be established to avoid drip lines and direct traffic over areas of tall grass (deeper soils), and minimize the extent of the route. Concrete tee pads have been installed to reduce the footprint size of tees.

**Appendix A - Revised (As Of 6/1/15) Active Mitigation And Monitoring Measures For The Bidwell Park Peregrine Point Disc Golf/Trailhead Area. Completed or Not Required Measures Removed (See Monitoring Plan for entire list).**

Mitigation Measure	Implementation Responsibility	Funding Responsibility	Implementation Trigger or Date	Frequency	Implementation Comments
<p>d. To ensure that the drip lines of oaks are not disturbed during construction, protective fencing shall be installed, under the guidance of a qualified botanist, certified arborist, or Registered Professional Forester, at least 1 foot beyond the outer edge of the drip lines of all oaks that grow within the construction zones of the site-specific Park Improvement Projects, and no project activities shall be allowed within these exclusion zones, unless specifically required as part of project construction.</p>	OPERATOR / CITY	OPERATOR/ CITY	TBD	Implement prior to and during construction; monitor monthly during construction	Completed. No further action required. Operator’s consultant provided guidance for tree protection.
<p>e. The oak woodland management guidelines contained in Section 3 of the NRMP (Appendix C of the BPMMP) shall be implemented. These guidelines include recommendations for sustaining oak woodlands, initiating a burning program, and maintaining the oak landscape.</p>	OPERATOR / CITY	OPERATOR/ CITY	TBD	During and following construction	In progress. The NRMP will be updated.
<p>f. In addition to the measures outlined above, the following additional measures shall be implemented in connection with development and ongoing maintenance of the proposed Disc Golf/Trailhead Concept Plan to protect oaks and to mitigate for any unavoidable loss resulting from mortality over time. These measures are based on site observations, oak woodland management guidelines provided by DFG, and measure recommended in the tree assessment (Appendix E4):</p>	OPERATOR / CITY	OPERATOR/ CITY	TBD	Implement during and following construction	In progress.
<p>g. Any modification to the proposed design and layout of the site shall be subject to the same impact avoidance and minimization criteria as the initial design;</p>	OPERATOR / CITY	OPERATOR- CITY	TBD	Implement during and following construction	<p>In progress. Any modification to the course design and layout has been made with the intent of the mitigation measures. A couple of modifications are worth pointing out. Hole 8 was shortened to avoid a wildflower field and shortened the overall footprint of the project.. The numbers for Holes 15 and 16 were swapped to improve the route and minimize trails. Hole 14 was placed in its current location to minimize damage to a new area and minimize the importation of additional material to make the tee pad level. We anticipate</p>

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Mitigation Measure	Implementation Responsibility	Funding Responsibility	Implementation Trigger or Date	Frequency	Implementation Comments
					modification to the course as part of the adaptive management program for the project.
h. Information describing the value of native oak trees and the importance of the preservation and protection of oak woodland for wildlife habitat and the aesthetic values of Bidwell Park shall be provided at the informational kiosk at the Disc Golf/Trailhead area site. The information shall discuss the importance of avoiding direct impacts resulting from bark and limb damage as well as indirect effects such as soil compaction/root damage and shall encourage site users to act responsibly and prevent adverse effects.	OPERATOR - CITY	OPERATOR to reimburse CITY for surveys of oaks (Years 1, 3 and 5 and every other year thereafter – cost est. to be \$1,000 per survey	TBD	Implement following construction; inspect signage annually	Completed. Follow-up monitoring required so that sign remains. City reviewed and approved ORAI sign (2011).
i. In cases where disc golf pins are located within groves of oak trees or oak trees are within fairways, measures to protect the tree trunks such as the installation of shielding pole structures shall be implemented. Installation shall be implemented without damage to the root zone, and in a manner that preserves the visual character of the site.	OPERATOR - CITY	OPERATOR - CITY	TBD	Implement during and following construction; monitor annually	Completed. Monitoring and placement ongoing. Moveable wood pole structures in a concrete base were placed on site and were adjusted before the course opens.
j. In cases where tees or trails are located within drip lines of oaks or in the immediate vicinity of drip lines, a 6 inch layer of woodchip mulch shall be applied to a 20' radius around the tees and on the trails to minimize soil compaction; this layer shall be maintained on an ongoing basis, as needed, to ensure continued protection of the root zones.	CITY	CITY	TBD	Implement during and following construction; monitor annually	Completed for construction (modified). Ongoing monitoring and action required. Modification: The purpose of the mulch is to minimize compaction under oak trees. For some locations (for example Hole 13) current play does not appear to be impacting areas 20 feet away. The installation of the tee pad, fencing, and other features will better define areas and likely reduce the area subject to compaction. Staff has concern that the addition of mulch in areas not unduly impacted by foot traffic will result in undesirable unintended impacts (mulch suppressing plant growth, requiring additional trips to install, and the requirement of 6" of mulch would either bury the roughly 3.5" tall tee pad, require additional concrete). Staff has approved the proposal to start with a smaller footprint and thinner layer for mulch. This approach will be examined

**Appendix A - Revised (As Of 6/1/15) Active Mitigation And Monitoring Measures For The Bidwell Park Peregrine Point Disc Golf/Trailhead Area. Completed or Not Required Measures Removed (See Monitoring Plan for entire list).**

Mitigation Measure	Implementation Responsibility	Funding Responsibility	Implementation Trigger or Date	Frequency	Implementation Comments
					once play begins and may require more frequent addition of mulch and future modification.
k. Periodic monitoring of the oaks at the site shall be conducted to determine if any unavoidable impacts are occurring as a result of site use, in spite of the impact minimization measures.	OPERATOR	OPERATOR	2015	Monitor at least twice yearly following construction	Triggered (loss of 11-001).
l. Any unavoidable impacts to oaks resulting from construction, or tree mortality resulting from ongoing use of the site shall be mitigated by replanting oak woodland habitat at the Disc Golf/Trailhead site in areas located outside of the footprint of facilities and trails in areas not currently occupied by other sensitive resources and suitable to support blue oak woodland.	OPERATOR / CITY	OPERATOR/ CITY	2015	Implement as needed after construction	Triggered. Identify planting locations.
m. Oak planting should be from seeds (acorns) or seedlings that are obtained from the local genetic stock and should be of the same species as those targeted for replacement. Replacement ratios shall be at least 5:1 for trees lost/replaced that are greater than 5 inches diameter at breast height.	OPERATOR / CITY	To be accomplished above B10-3c-f	2015 (loss of 11-001)	Implement and monitor as needed after construction	Triggered. On site acorns will be collected and used for any future plantings. Use 5:1 ratio. Determine locations with Parks Staff.
n. Oak plantings shall be protected from browsing, planted on the north and east side of existing trees, and irrigated during the first few years as outlined in the oak assessment (Appendix E4) to enhance their chance of survival.	OPERATOR / CITY Relating to disc golf facilities only.	OPERATOR/ CITY	2015	Implement and monitor as needed after construction	Triggered. Planting should occur in 2015.
o. Replacement plantings shall be monitored for their success for a period of five years or until the desired performance criterion of 5:1 is achieved, whichever is longer. If planting does not succeed, remedial actions such as replanting shall be implemented.	OPERATOR / CITY	OPERATOR/ CITY	2015 (2020)	Monitor yearly after planting for five years or until success criteria are achieved	Triggered. Evaluate performance in 2020.
p. If requested, community/user group stewardship of the plantings shall be allowed to contribute to restoration/revegetation efforts under guidance and supervision by CITY staff.	OPERATOR / CITY	OPERATOR/ CITY	TBD	Implement after construction	Evaluate options, investigate if other groups are interested.



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<b>Mitigation Measure</b>	<b>Implementation Responsibility</b>	<b>Funding Responsibility</b>	<b>Implementation Trigger or Date</b>	<b>Frequency</b>	<b>Implementation Comments</b>
<p><b>Mitigation Measure BIO-3d: Implement Measures to Protect Wildflower Fields</b></p> <p>The following measures shall be implemented to minimize potential disturbances to wildflower field communities resulting from implementation of the Disc Golf/Trailhead Area Concept Plan:</p>	OPERATOR / CITY	OPERATOR/ CITY	Before and during construction .... that occur within the immediate vicinity of wildflower fields	See below	See Below
a. Mitigation Measure BIO-1d shall be implemented to minimize adverse effects on wildflower fields resulting from implementation of the Disc Golf/Trailhead Area Concept Plan.	OPERATOR / CITY	OPERATOR/ CITY	TBD	Implement during construction; monitor as indicated above	In progress.
b. Whenever possible, trail segments, site improvements, facilities and other design features shall be located to minimize impacts to wildflower fields.	CITY	CITY	TBD	Implement prior to and during construction; inspect monthly during construction	Completed. On-going monitoring and action required.
c. Exclusionary fencing ... wildflower field habitat...				...construction	Completed. No further action required.
d. The number of trails dissecting wildflower fields shall be minimized to the fewest number necessary to accomplish the goals of the site-specific Park Improvement Projects.	OPERATOR	OPERATOR	TBD	Implement prior to and during construction	In progress.
e. Trails through wildflower fields shall be as narrow as possible and shall have clearly marked edges that discourage trail widening and deter users from straying off the designated trail.	OPERATOR / CITY	OPERATOR / CITY	TBD	Implement prior to and during construction	In progress.
f. Existing trails through wildflower fields that will not be retained as part of the site-specific Park Improvement Projects shall be reclaimed using barriers (such as boulders) to discourage use of these trails. If these reclaimed trails fail to revegetate on their own over time, re-seeding may be considered.	OPERATOR / CITY	OPERATOR / CITY	TBD	Prior to, during and after construction; monitor annually	In progress.
g. Permanent signage shall be installed at kiosks located at the Disc Golf/Trailhead Area Concept Plan site to inform Park users of the presence and sensitivity of the wildflower field	OPERATOR	OPERATOR	TBD	Install after construction; monitor annually	Completed. On-going monitoring of signs required.

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Mitigation Measure	Implementation Responsibility	Funding Responsibility	Implementation Trigger or Date	Frequency	Implementation Comments
community and discourage visitors from off-trail use and trampling of vegetation.					
<b>Mitigation Measure BIO-4: Implement Measures to Protect Jurisdictional Wetlands</b>			NA	... construction	Measures (6) not applicable. None found (Galloway, 2009). No further action required.
<b>CULTURAL RESOURCES</b>			...construction...	Completed	Measures (9) related to planning or construction. No further action required.
<b>HYDROLOGY</b>			....construction...		Measure (1) related to construction. No permit required. No further action required
<b>NOISE</b>			...construction		Measures (3) completed during construction. No further action required.
<b>TRAFFIC</b>					
<b>Mitigation Measure Traffic-4: Coordinate with Caltrans</b> a. To address the potential increase in traffic hazards resulting from implementation of the Disc Golf/Trailhead Area Concept Plan, the CITY shall coordinate with Caltrans to obtain an encroachment permit for construction of the site access and parking lot for the Disc Golf/Trailhead area. As part of the consultation with Caltrans, the CITY shall address the potential need for additional signage and/or a left turning lane to address traffic safety along SR 32. The CITY shall implement any measures deemed necessary by Caltrans as a condition of the encroachment permit or as a result of the consultation on safety.	CITY	CITY	Prior to construction of the Disc Golf/Trailhead Area Concept Plan	N/A	To be determined. This mitigation will be completed as part of trailhead access construction. Staff did meet with Caltrans and they have completed improvements to the entry.

Notes: N/A – Not Applicable, TBD – To Be Determined.

## **Appendix B – 2014 ORAI Annual Report**

January 1<sup>st</sup> 2015

City of Chico  
965 Fir St.  
Chico Ca, 95926

Subject: 2014 Annual Report

**To Whom It May Concern:**

Per the operating agreement currently in place, the following is the report for the Peregrine Point Disc golf course for the year 2014.

**Background:** A section of the operating agreement signed by the Chico Outsiders requires an annual report on Peregrine Point be made to the City of Chico. This report covers all happenings and business to do with the course within the time frame of January 1<sup>st</sup> 2014 to December 31<sup>st</sup> 2014.

**Usage:** Although the Chico Outsiders are not required to maintain records of regular public usage of the Peregrine Point Disc golf course or their demographics, we have been in contact with the Bidwell park rangers and it is agreed that usage seems to be up by approximately 17% from the previous year.

The Chico Outsiders had 9 exclusive use days in 2014 and were able to sell fundraising items one Saturday per month. We held organized tournaments on all but three of the exclusive use days. These Tournaments brought in between 25 and 89 people. Two of these were PDGA official tournaments, "The Bidwell Cliffs Pro/Am and the annual "The Flight of the Falcon" which was the first PDGA (Professional Disc Golf Association) official tournament to ever be held at the Peregrine Point disc golf course in the year 2013 and continued in 2014, Peregrine Point was as usual recognized as a very clean and natural setting and a great place to play by many PDGA officials. During these Tournaments we took the opportunity to educate people on the preservation of the course, and how they can leave a minimal impact on the course while enjoying their time on the course to the fullest.

The Peregrine Point Disc Golf course was also just recognized in 2014 in DGCR (Disc Golf Course Review) as one of the top ten best courses in California, reaching #7 on the list of 278 possible courses.

**Course Maintenance:** The Course maintenance this year was handled very well thanks to the Chico Outsiders Peregrine Point Maintenance Committee. This is a small committee formed under the Chico Outsiders organization. The committee takes individuals within the public who are interested in keeping the course clean and natural, and forms work parties to accomplish small course improvements. We had over 250 hours of donated time this year by the committee and its members, executing small tasks such as: unwanted trail abatement, litter removal (surprisingly minimal), tee pad maintenance, mulch spreading, fixing rail fencing

around OB's and cleaning any graffiti from benches and baskets. The maintenance committee would also use this time to educate the public on how to leave a minimal impact while enjoying their day at the course.

**Course Improvements:** A lot of "spur" trails off of the regular fair way trails seem to be disappearing and recovering well from the Maintenance Committee's trail abatement, which can include changing direction of rail fences, painted arrow rocks, or stacking natural debris in spur trails. Over all we believe with committee's new "educate while you play program" is helping to improve the condition of the course with the increasing number of players it is seeing.

**Proposed Activities:** In 2015 we will have our regular Bag Tag opener, 3 more PDGA official events, our small weekly club events and a few other fun tournaments including a free kid's tournament. All these events will be open to the general public on our Exclusive Use Days to help assist in fundraising.

**Finances:** In 2014 the Chico Outsiders paid out \$5,355.15 toward environment studies, \$1,365.00 for insurance and \$645 course maintenance and improvements. This was all paid for by the selling of fundraising items, fundraising events and donations from the public. All though fundraising was slightly less gainful in in 2014 we are hoping our new tee signs will help to raise money from small local business's through our "Hole Adoption Program".

**Advertising:** The Chico Outsiders are required to regularly advertise the Peregrine Point Disc Golf course to the public; we do this in many ways. One is through Social Media; we currently have over 700 members on our Peregrine Point Facebook group, we also have a Twitter, Instagram, and Daily updated website. Another way is through course signage, where we post all weekly, monthly and Tournament events. We also have fliers and posters in local businesses around town like Sports LTD and Play it Again Sports; these are also venders that are kind enough to sell our fundraising items in their stores for no profit.

**Conclusion:** The Chico Outsiders Non-profit Organization is thankful for the help from both the city and the pubic in keeping its beautiful course open to everybody. Peregrine Point Disc golf course has grown a lot in popularity and is seeing much more use by the public, but the studies have proven that through educating of the public and hard work we can all work together to keep the course as natural and beautiful as the day it was built. We believe with the addition of our new committees; the Maintenance Committee and the Public Outreach committee, we can help people to see and understand the gift that our amazing park is and how to preserve every part of it.

Thank you for your time  
Sincerely,  
Adam Filippone – President  
Outsider Recreation Advocacy, Inc.  
A California 501(c)3

## **Appendix C – 2014 Peregrine Point Photos**



# CITY OF CHICO MEMORANDUM

TO: FILE

DATE: 5/4/2015
















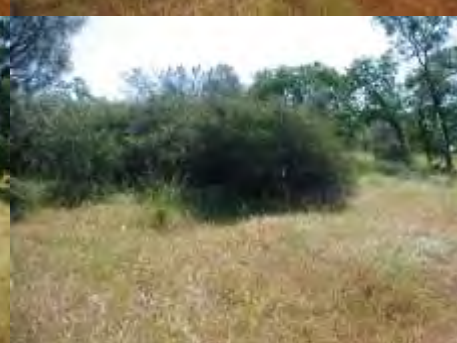

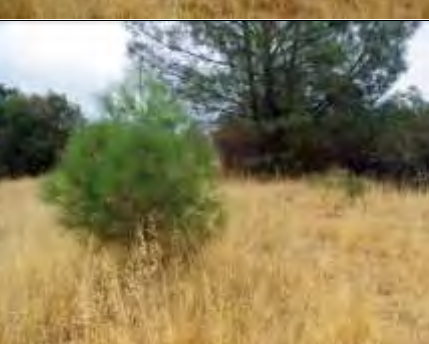

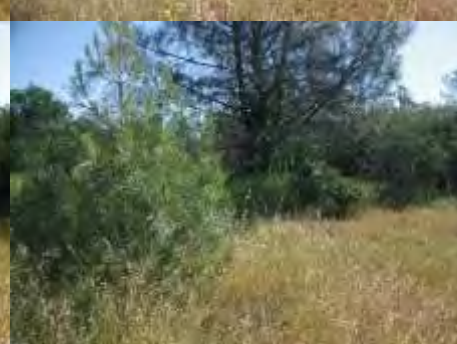












FROM: DAN EFSEAFF

FILE: PP-DG

































SUBJECT: PEREGRINE POINT DISC GOLF COURSE – SELECTED SITE PHOTOPOINTS 2011, 2012, 2013, AND 2014.




























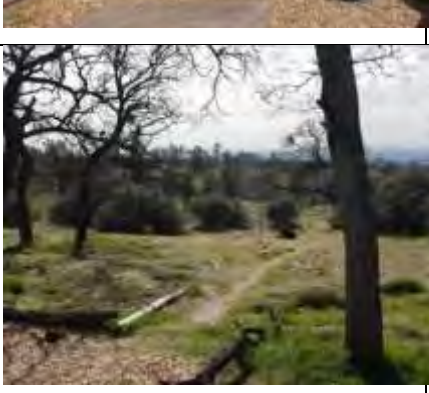
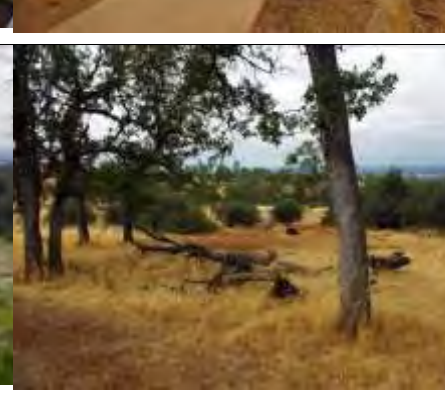


Nomenclature: Hole # - Tee Pad (H\* - P) and Hole # - Target (H\*-T). **Hole (H) and Photo-Point Panorama (PP) Photographs**

































Location	March 2011	July 2012	May 2013	May 2014
PP-1				
H1-P				
H1-T				
PP-2.1				
PP-2.2				
PP-2.3				
PP-2.4				






























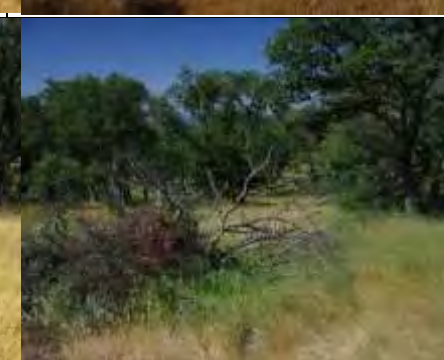

Location	March 2011	July 2012	May 2013	May 2014
PP-2.5				
PP-2.6				
PP-2.7				
PP-2.8				
PP-2.9				
PP-2.10				
H2-P				
H2-T				

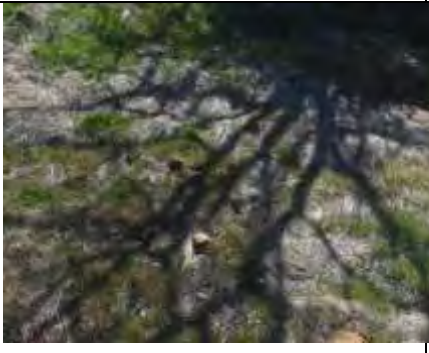





















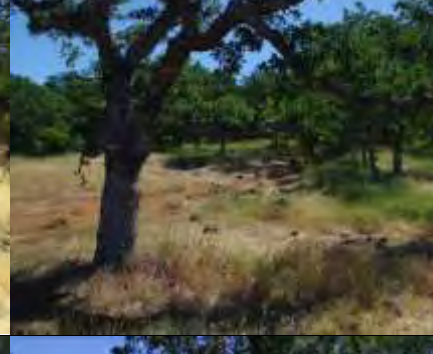































Location	March 2011	July 2012	May 2013	May 2014
H3-P				
H3-T1				
H3-T2 (toward H4-P)				
H3-T3 (toward H4-T)				
H3-T4 (toward H4-T alternate)				
H4-T1				
H4-T2 (cliff)				
H4-T3 (toward H5-P)				
H5-P				

Location	March 2011	July 2012	May 2013	May 2014
H5-T1				
H5-T2 (toward H6-P)				
H6-P				
H6-T1				
H6-T2 (toward H7-P)				
H7-P				
H8-P				
H8-T				

Location	March 2011	July 2012	May 2013	May 2014
H9-P (same location as H8-T)				
H9-T1				
H9-T2 (of H10-T)				
H9-T3 (of H11-P)				
H10-P1				
H10-P2				
H11-P1 (H10-T)				
H11-P2				

Location	March 2011	July 2012	May 2013	May 2014
H11-T1				
H12-P1				
H12-T1				
H12-T2 (toward H13-P)				
H13-P1				
H14-P				
PP3-1				
PP3-2				

Location	March 2011	July 2012	May 2013	May 2014
PP3-3				
H14-T				
H15-P				
H15-T1				
H15-T2				
H15-T3				
H16-P				
H16-T				

Location	March 2011	July 2012	May 2013	May 2014
H17-P1				
H17-P2				
H17-T				
H18-P				
H18-T				

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6/24/2015

**Appendix D – [NSR]. North State Resources. 2014. Peregrine Point Disc Golf Course Botanical Monitoring. NSR No. 51325. Christine Hantelman and Paul Kirk. Chico, CA.**

# Technical Memorandum

Date: December 31, 2014  
To: Mr. Dan Efseaff, Park and Natural Resource Manager, City of Chico  
From: Ms. Christine Hantelman, Botanist and Mr. Paul Kirk, Project Manager  
Project: NSR No. 51325—Peregrine Point Disc Golf Course Botanical Monitoring  
Subject: 2014 Botanical Survey Results

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## I. INTRODUCTION

On behalf of the City of Chico (City) and Outdoor Recreation Advocacy, Inc. (ORAI), North State Resources, Inc. (NSR) conducted a botanical survey on and around the site of the Peregrine Point Disc Golf Course, hereinafter referred to as the “study area.” This letter summarizes the results of the findings regarding the botanical resources detected and mapped within the study area. Two figures are located at the end of the memorandum.

## II. PROJECT LOCATION

The approximately 70-acre study area is located along State Highway 32 approximately 7 miles east of the city of Chico (Figure 1). The study area occurs in the eastern portion of Bidwell Park on the south rim of the ridge overlooking Big Chico Creek at an elevation range of 1,050 to 1,300 feet above mean sea level. Barbed-wire fence encloses the study area on the southern and western edges.

## III. PHYSICAL AND BIOLOGICAL SETTING

The study area is sited upon volcanic mudflow breccia that is part of the Tuscan Formation. These hard mudflows form the rocky outcrops covered with thin soils that support the vegetated areas identified as “wildflower fields” in previous surveys of the study area (City of Chico and EDAW 2008). Blue oak occurs on the deeper soils formed on volcanic conglomerate (U.S. Department of Agriculture and Natural Resources Conservation Service 2006).

The site has been used historically by hikers and naturalists and, currently, by disc golfers and mountain bikers. Footpaths and bike trails, eroded soils, trampled plants, and damaged trees are some examples of disturbances at this site that reflect its historical and current use.

Vegetation on the site is a mix of blue oak (*Quercus douglasii*) savannah with sparse, scattered tree cover and blue oak/foothill woodland with foothill pine (*Pinus sabiniana*) and interior live oak (*Quercus wislizenii*), interspersed with annual grassland elements and exposed volcanic mudflow. Understory shrubs and vines occurring within the woodland are manzanita (*Arctostaphylos manzanita*), redberry (*Rhamnus ilicifolia*), buck brush (*Ceanothus cuneatus*), poison oak (*Toxicodendron diversilobum*), and honeysuckle (*Lonicera interrupta*). Grassland within the study area is dominated by non-native annual grasses including wild oats (*Avena*



*barbata*), Italian wildrye (*Festuca perennis*), soft chess (*Bromus hordeaceus*), annual fescues (*Festuca* spp.), false brome (*Brachypodium distachyon*), dogtail (*Cynosurus echinatus*) and medusahead (*Elymus caput-medusae*). Non-grass species flowering at the time of survey include twining brodiaea (*Dichelostemma volubile*), soap plant (*Chlorogalum pomeridianum*), purple clarkia (*Clarkia purpurea*), Hansen's larkspur (*Delphinium hansenii*) and Butte County checkerbloom (*Sidalcea robusta*).

Thinner soils associated with the edges of the exposed volcanic mudflow support a few annual grasses, mostly annual fescues and soft chess, as well as needle-leaved navarretia (*Navarretia intertexta*), Douglas' sandwort (*Minuartia douglasii*), dwarf stonecrop (*Sedella pumila*), Hansen's spike-moss (*Selaginella hansenii*) and Bidwell's knotweed (*Polygonum bidwelliae*).

#### IV. SURVEY METHODOLOGY

NSR Botanist, Christine Hantelman, conducted a targeted survey on April 21 and 23, 2014 to relocate and map previously recorded occurrences of the Butte County endemics, Butte County Checkerbloom (hereinafter "checkerbloom") and Bidwell's knotweed (hereinafter "knotweed"). A map of checkerbloom occurrences from botanical surveys conducted in 2010–2013 was used to relocate known checkerbloom plants. Survey effort was limited to the portion of the study area encompassing the Peregrine Point Disc Golf Course area and the northeastern end of the study area where checkerbloom has been documented in previous years. Wildflower fields within the main area of play that were known from previous surveys to contain knotweed were surveyed and knotweed occurrences mapped; other wildflower fields were scanned for presence of knotweed as time permitted. Incidental observations of noxious weeds were also recorded. Although associated species and general vegetation attributes were noted with regard to rare plant occurrences, a full floristic survey was not conducted. Taxonomic nomenclature for plant species is in accordance with *The Jepson manual: vascular plants of California, 2nd edition* (Baldwin et al. 2012).

Checkerbloom units and counting methodology followed the survey methodology detailed in the *2011 Botanical Monitoring Results Technical Memorandum* (North State Resources 2011). Specifically, the following checkerbloom units were used:

- Individuals—single meristems separated from other meristems by 50 cm (19.6 in);
- Small clumps—clumps with 1-5 separate meristems co-located in an area less than 50 cm x 50 cm; and
- Large clumps—clumps with 5 or more meristems close together that cover an area greater than 50 cm x 50 cm.

The location of checkerbloom units were mapped as point data using a Trimble™ Pathfinder Pro XH Global Positioning System capable of sub-meter accuracy (Trimble GPS). For each data point, the number of checkerbloom units, phenology, categorical count of raceme state (i.e., in flower, in bud, or nipped), associates, and observed threats were recorded.

To facilitate analysis of between year changes in populations of checkerbloom within discrete areas, eight checkerbloom groups (CG) established in 2011 continue to be used. Two new

groups were added for the 2014 analysis (CG-9 and CG-10) to accommodate checkerbloom units recorded in 2013 and 2014 that were outliers to the existing checkerbloom groups.

Bidwell’s knotweed is a small annual species that occurs on the exposed volcanic mudflow and thin soils of the wildflower fields in the study area. Because knotweed plants can occur close together and in great numbers (often 100 or more), the boundaries of areas containing knotweed (patches) were mapped as polygon data using the Trimble GPS. Estimated number of individuals, phenology, plant associates, and observed threats were also recorded for each patch.

To facilitate discussion and future analysis of between year changes in the spatial composition of knotweed patches, knotweed groups (KG) were created in 2014 by drawing discrete polygons around all closely associated knotweed patches that have been recorded in 2011–2014.

## V. RESULTS

### Checkerbloom

A total of 195 checkerbloom units were mapped (96 data points) during the 2014 survey. Approximately two thirds of the units (66%) were vegetative, that is, they produced no flower stems (racemes). The remainder (34%) bore a total of 242 racemes in various stages of development. Phenologically, the population at the study area was pre-flowering with 75% of the racemes in bud and only 7% of the racemes bearing open flowers. The remaining racemes (18 %) had been “nipped” below the buds (presumably by deer or other herbivores). These data are summarized in Table 1. Data points and checkerbloom groups (CGs) are shown in Figure 2.

**Table 1. Summary of field data for Butte County Checkerbloom occurrences at Peregrine Point Disc Golf Course collected April 21, 2014.**

Checkerbloom Occurrence Attribute	Count	% of total
# units reproductive	67	34%
# units vegetative	128	66%
<b>Total # units</b>	<b>195</b>	<b>100%</b>
# racemes in flower/fruit racemes	16	7%
# racemes in bud	182	75%
# racemes nipped	44	18%
<b>Total # racemes</b>	<b>242</b>	<b>100%</b>

Checkerbloom units were observed in all but one of the checkerbloom groups. A newly observed occurrence of checkerbloom was mapped near the entrance of the disc golf course—it is within the newly created CG-10. Most of the checkerbloom units occurred within blue oak woodland paralleling the 14<sup>th</sup>, 15<sup>th</sup>, and 16<sup>th</sup> fairways or were associated with individual oak trees or the drip line of shrubs at the ecotone of woodland and grassland (CG-3, CG-4, and CG-5). Another cluster of points was located along the edge of woodland east of the 2<sup>nd</sup> fairway (CG-6). The out-of-bounds areas between the two baskets on the 3<sup>rd</sup> fairway and bounded by rail fence was another area where checkerbloom was relatively abundant. Additional checkerbloom units were mapped in the northeastern portion of the study area, outside the general area of disc golf

play (CG-7). No checkerbloom units were observed in CG-8, and the previously observed occurrences outside the study area in CG-8 were not relocated in 2014.

Despite severe drought in the winter of 2013–2014, late spring rainfall was sufficient to support checkerbloom growth and reproduction. Plants on the study site were in good condition, although they appeared to be smaller with fewer leaves and shorter flower stems during this dry year compared with wetter years. Flowering stems (racemes) were healthy, with no buds aborting as has been observed at other checkerbloom locations in dry years (Hantelman 2004). Herbivory of checkerbloom racemes (in which the top portion was “nipped”) was much less intense at this site in 2014 (18%) compared with the previous year (41%). Late spring rains may have produced adequate green feed for herbivores, reducing grazing pressure on checkerbloom.

More total checkerbloom units were recorded in 2014 compared with previous years (Table 1). This apparent increase in overall number of units may be an artifact of the dry winter and the clonal nature of the species. Drier years produce smaller plants with fewer, more widely spaced meristems. These would have been counted as individuals (separate meristems), but because the plant produces underground stems, the “individuals” may be connected underground. In a wetter year, the same groups could be bigger and the distance between meristems smaller, thus making the plant appear as one large clump. Reproductive effort was similar to the previous two years, with approximately a third of the units producing flowering stems and two-thirds remaining vegetative.

A mountain bike trail established in 2013 is still present and being used in 2014. The perimeter fence immediately south of CG-5 was cut and pulled aside in 2013; that opening has been widened. New bike tire tracks through CG-5 and the golf course were observed in 2014. Some checkerbloom plants outside of the study area have been trampled. The approximate locations of these bicycle-related disturbances are noted on Figure 2 with an “X.”

### Knotweed

Knotweed counts were considerably smaller in 2014 than in previous years. For example, in 2013, knotweed group (KG) 1 and KG-2 each contained an estimated 500–1000 plants. In 2014, approximately 200 plants were counted in KG-1, and only 62 plants were counted in KG-2. No knotweed plants were found within KG-3; 60–100 knotweed plants were observed in 2013. KG-3 is adjacent to fairways and baskets that receive heavy foot traffic resulting in large areas of bare soil and exposed substrate. Mountain bike tire tracks and a bike trail were also observed in this part of the study area.

Winter and spring of 2014 were characterized by severe drought. Under dry conditions many annual plants will have an abbreviated life cycle. Surveys were conducted a week earlier in 2014 than in 2013 in order to maximize the likelihood of locating knotweed plants. All knotweed plants were in the bud stage, and were small in stature and sparsely distributed. In all, 23 total knotweed patches were mapped with numbers of plants ranging from a few individuals to about 100 individuals. The total area of all 23 patches was approximately 0.07 acres; the total area in 2013 was approximately 1.87 acres. All knotweed patches occurred on thin soils associated with the edges and surface of exposed volcanic mudflow. Common plant associates observed within knotweed patches were Hansen’s spike moss (*Selaginella hansenii*), dwarf stonecrop (*Sedella pumila*), and erect plantain (*Plantago erecta*). Knotweed occurrences were also strongly

associated with undisturbed algal crusts. No plants were observed in the compacted soil of the actual trails and paths. A summary of knotweed patch attributes, associated plant species, and observed threats at each patch are found in Table 2.

**Table 2. Summary of field data for Bidwell's knotweed occurrences<sup>1</sup> mapped at Peregrine Point Disc Golf Course, April 23, 2014.**

Polygon <sup>2</sup> ID #	# plants	% in bud	% in flwr	Knotweed Associates	Observed Threats
POBI-1	50-100	100	0	<i>Sedella pumila</i> , <i>Selaginella hansenii</i> , <i>Plantago erecta</i> , <i>Minuartia douglasii</i> , algal crust	No obvious threats
POBI-2	50-100	100	0	<i>Sedella pumila</i> , <i>Selaginella hansenii</i> , <i>Crassula connata</i> , <i>Aphanes occidentalis</i>	No obvious threats
POBI-3	7	100	0	Algal crust, <i>Sedella pumila</i> ,	No obvious threats
POBI-4	<50	100	0	<i>Sedella pumila</i> , <i>Minuartia douglasii</i> , <i>Phlox bicolor</i> , <i>Navarretia sp.</i> , algal crust	No obvious threats
POBI-5	2	100	0	<i>Plantago erecta</i> , <i>Minuartia douglasii</i> , <i>Aira caryophyllea</i> , algal crust	No obvious threats
POBI-6	10	100	0	<i>Lasthenia</i> , <i>Navarretia sp.</i> , <i>Plantago erecta</i> , <i>Bromus hordeaceus</i>	No obvious threats
POBI-7	<50	100	0	<i>Plantago erecta</i> , <i>Navarretia sp.</i> , <i>Chlorogalum angustifolium</i> , <i>Sedella pumilum</i> , <i>Selaginella hansenii</i> , <i>Minuartia douglasii</i>	Trampling/erosion Potential mountain bike impacts
POBI-8	3	100	0	<i>Plantago erecta</i> , <i>Navarretia sp.</i> , <i>Sedella pumilum</i> , <i>Selaginella hansenii</i> , <i>Minuartia douglasii</i>	Trampling/erosion Potential mountain bike impacts
POBI-9	50-100	100	0	<i>Selaginella hansenii</i> , <i>Minuartia douglasii</i> , <i>Plantago erecta</i> , <i>Sedella pumila</i>	Trampling/erosion Potential mountain bike impacts
POBI-10	<50	100	0	<i>Selaginella hansenii</i> , <i>Plantago erecta</i> , <i>Sedella pumila</i> , algal crust	No obvious threats Bike tracks present
POBI-11	2	100	0	<i>Selaginella hansenii</i> , <i>Plantago erecta</i> , <i>Sedella pumila</i> , algal crust	No obvious threats
POBI-12	11	100	0	<i>Lasthenia</i> , <i>Navarettia sp.</i> , <i>Bromus madritensis</i>	Potential mountain bike impacts
POBI-13	8	100	0	<i>Sedella pumila</i> , <i>Selaginella hansenii</i> , algal crust	No obvious threats
POBI-14	2	100	0	<i>Sedella pumila</i> , <i>Aphanes occidentalis</i> , <i>Plantago erecta</i> , algal crust	No obvious threats

**Table 2. Summary of field data for Bidwell's knotweed occurrences<sup>1</sup> mapped at Peregrine Point Disc Golf Course, April 23, 2014.**

POBI-15	1	100	0	<i>Sedella pumila</i> , <i>Aphanes occidentalis</i> , <i>Plantago erecta</i> , algal crust	No obvious threats
POBI-16	2	100	0	<i>Sedella pumila</i> , <i>Filago</i> , <i>Navarretia</i> sp.	No obvious threats
POBI-17	2	100	0	<i>Selaginella hansenii</i> , <i>Plantago erecta</i> , <i>Sedella pumila</i> , algal crust	No obvious threats
POBI-18	7	100	0	<i>Hypochaeris glabra</i> , algal crust, <i>Erodium botrys</i> , <i>Lasthenia</i>	No obvious threats
POBI-19	4	100	0	<i>Selaginella hansenii</i> , <i>Filago</i> , <i>Chorizanthe stellata</i>	No obvious threats
POBI-20	8	100	0	<i>Selaginella hansenii</i> , <i>Minuartia douglasii</i> , <i>Sedella pumila</i> , algal crust	No obvious threats
POBI-21	25	100	0	<i>Sedella pumila</i> , <i>Plantago erecta</i> , <i>Minuartia douglasii</i> , <i>Navarettia</i> sp.	No obvious threats
POBI-22	20	100	0	<i>Selaginella hansenii</i> , <i>Sedella pumila</i> , algal crust	No obvious threats
POBI-23	4	100	0	<i>Plantago erecta</i> , <i>Sedella pumila</i> , <i>Navarettia</i> sp.	No obvious threats

<sup>1</sup> Knotweed occurrences that had been observed within KG-3 in 2011–2013, were not relocated in 2014 despite intensive search effort.

<sup>2</sup> Knotweed patch identification numbers (i.e., POBI-xx) only apply to the current survey year. Knotweed is an annual plant and the extent and location of the discretely mapped patches varies widely from year to year.

Trampling and associated erosion was observed along both designated fairways and undesignated trails within proximity of a majority of the knotweed patches. The mountain bike path developed in 2013 from the perimeter fence near CG-5 and KG-4 still in use; the opening in the perimeter fence has been expanded and the bike trail now appears to run along the southern portion of the study area through knotweed and checkerbloom habitat.

#### Incidental Observations

In 2011, a large infestation (tens of thousands of individuals) of barbed goat grass (*Aegilops triuncialis*) was observed in the grassland area southwest of the 9th fairway and north of the large wildflower field containing knotweed (south of 8th and 9th fairways and west of the 10th tee). This CDFA List B noxious weed (California Department of Food and Agriculture 2011) was not relocated in 2014. It is likely still present at the site in the soil seed bank and should continue to be monitored.

#### Wildflower Fields

"Wildflower Field" as a distinct entity has not been mapped as part of the botanical monitoring conducted by NSR in 2011–2014. Areas designated as Wildflower Fields are shown on maps included in the *Final Bidwell Park Master Management Plan Update* (BPMMP) which includes a brief description of the substrate and common native forbs associated with this community type in Bidwell Park (City of Chico and EDAW 2008). The BPMMP does not provide a protocol for

mapping this community type nor does the *Master Mitigation Monitoring Program* for the Bidwell Park Disc Golf Area (i.e., Peregrine Point Disc Golf Course) (City of Chico and EDAW 2008).

Wildflower Field was considered a rare (i.e., sensitive) natural community in the *Preliminary Descriptions of the Terrestrial Natural Communities of California* (Holland 1986), however the term is outdated and ambiguous regarding rarity status as currently recognized by the California Department of Wildlife (CDFW). The CDFW has developed a crosswalk between the Holland system and the current vegetation classification system, and Wildflower Field crosswalks to a variety of associations within the California Annual and Perennial Grassland series—only some of these associations are designated as rare (CDFW 2014).

If mapping of Wildflower Fields is to be implemented as part of the Master Mitigation Monitoring Program, a protocol needs to be developed which provides inclusion criteria such as floristic composition, patch size, patch density, and minimum mapping unit. All knotweed patches that have been mapped in 2011–2014 are within areas mapped as Wildflower Fields in the BBMMP; and these 2011–2014 knotweed data may be useful in developing the Wildflower Field mapping protocol.

## VI. CONCLUSION

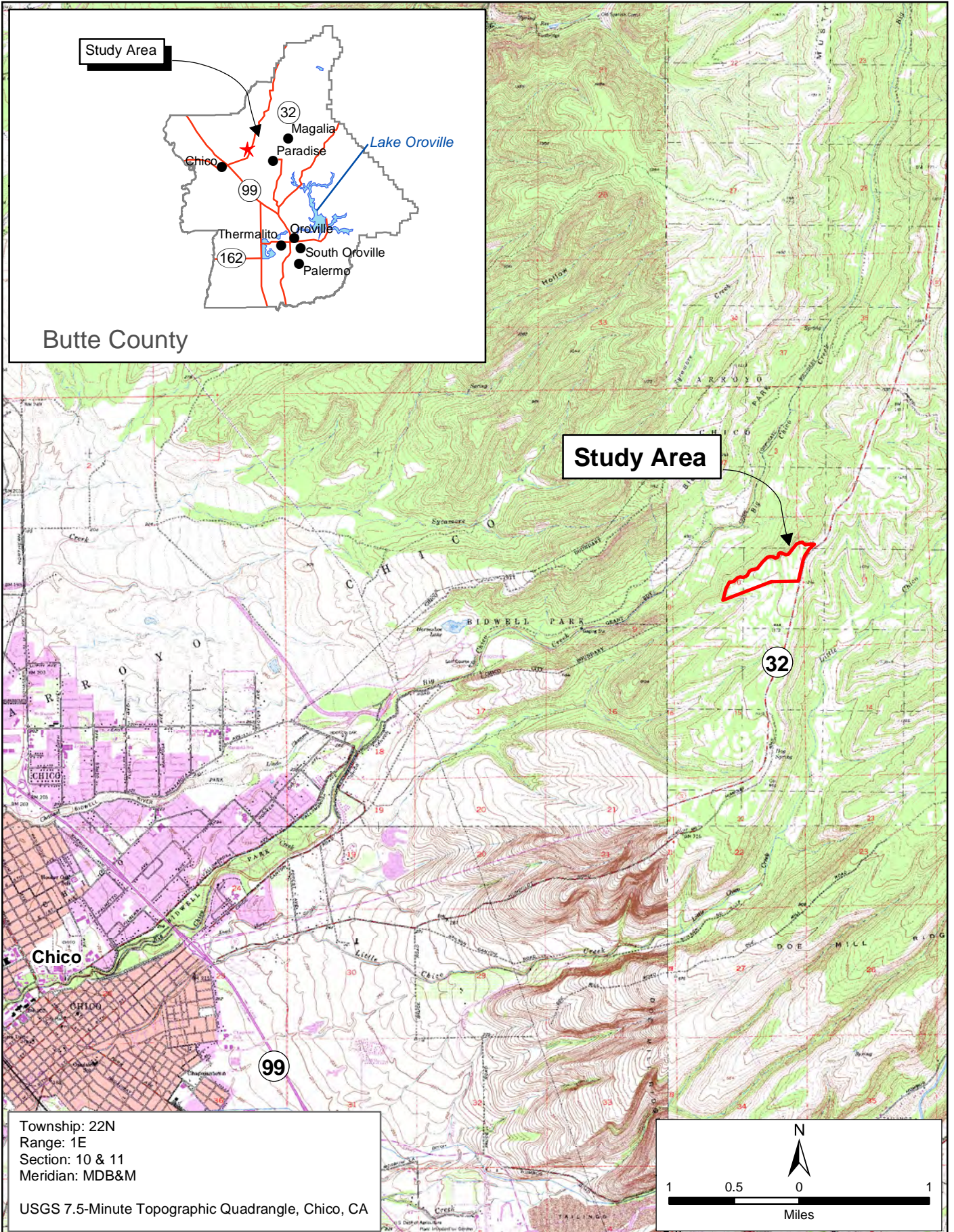
Butte County checkerbloom and Bidwell’s knotweed plants were relocated and mapped at most of the known locations in the study area, including all those within the main disc golf course area. Checkerbloom plants and habitat were in good condition. Of the 195 checkerbloom units mapped in 2014, about one third (34%) produced reproductive structures. Approximately 18% of the total racemes counted showed signs of herbivory. One entirely new checkerbloom occurrence was mapped. Total number of knotweed plants within the study area was much lower than in previous years: approximately 500 in 2014 compared to 5,000 in 2013. Knotweed patches within the “wildflower fields” were very small and sparsely distributed. Individual plants were short statured with little branching. Drought conditions and heavy foot traffic appear to have reduced the extent of the knotweed population.

The noxious weed barbed goat grass population observed in 2011–2013 was not observed in 2014, although it may still be present on site as part of the soil seed bank. Long-term threats to checkerbloom and knotweed continue to be trampling, soil erosion, herbivory, and competition by exotic grasses. Both rare plant populations are additionally threatened by the immediate impacts of mountain bike activity within the study area.

## VII. REFERENCES

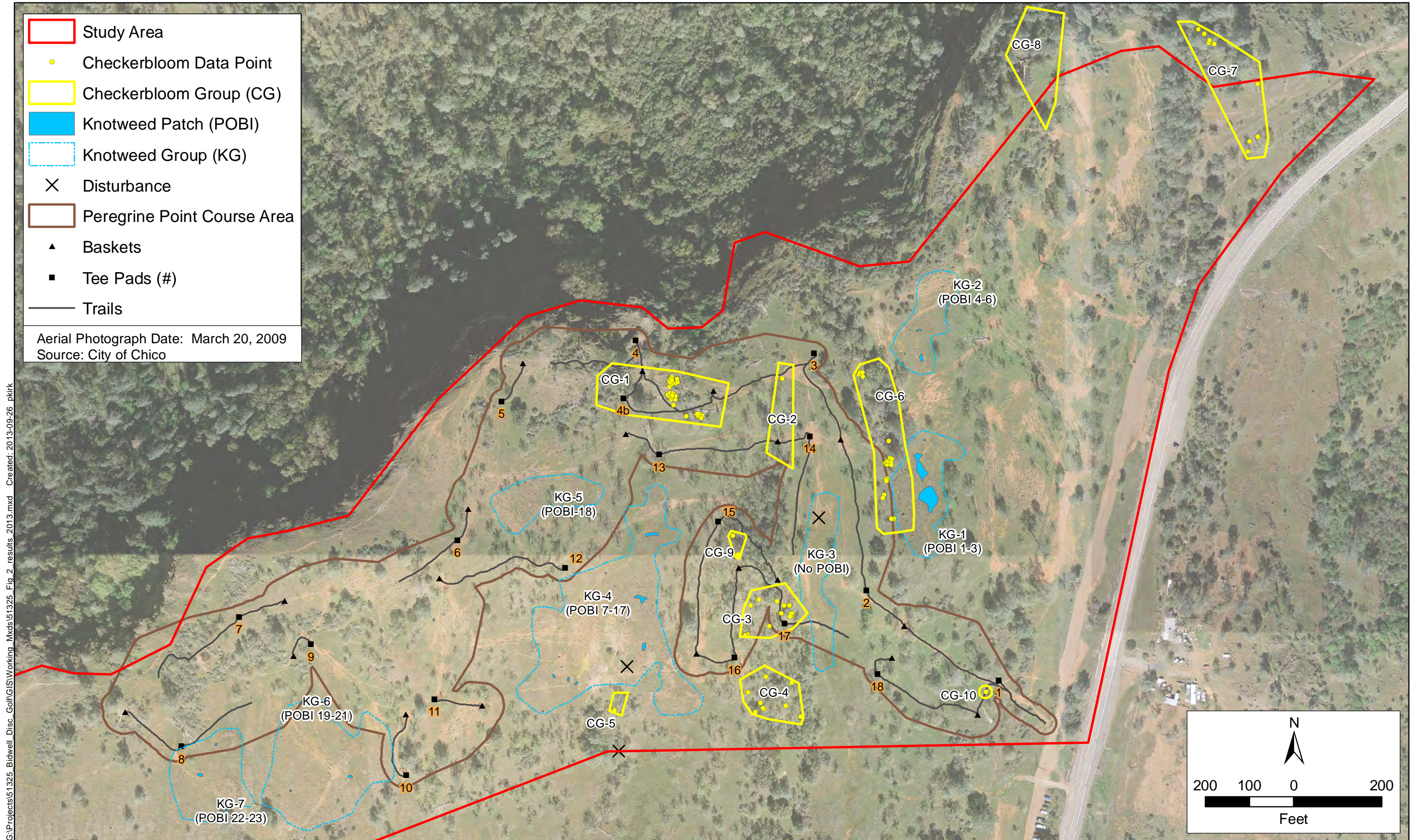
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**Figure 1**  
**Study Area Location and Vicinity**





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**Figure 2**  
Checkerbloom and Knotweed Locations - 2014 Survey

**Appendix E – [NSR]. North State Resources. 2014. 2014 Peregrine Point Disc Golf Course Oak Tree Assessment and Monitoring Report (NSR Project No. 51325). Scott Gregory. Chico, California.**

## Technical Memorandum

**Date:** December 31, 2014

**To:** Mr. Dan Efseaff  
City of Chico  
Department of Parks and Natural Resources  
411 Main Street  
Chico, CA 95927

**From:** Mr. Scott Gregory, Biologist, and Paul Kirk, Project Manager  
North State Resources, Inc.  
2595 Ceanothus Avenue, Suite 182  
Chico, CA 95973

**Subject: 2014 Peregrine Point Disc Golf Course Oak Tree Assessment and Monitoring Report (NSR Project No. 51325)**

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### I. INTRODUCTION

On behalf of the City of Chico (City) and Outdoor Recreation Advocacy, Inc. (ORAI), North State Resources, Inc. (NSR) conducted an arborist survey of the Peregrine Point Disc Golf Course, hereinafter referred to as the “study area.” This memorandum summarizes the findings of the 2014 arborist survey which is the fourth year of assessment and monitoring for two groups of native oak trees (*Quercus* spp.) in the study area.

### II. PROJECT LOCATION

The study area is approximately 70 acres in size, and is located on the west side of State Highway 32 in Butte County, California. The study area is located in the eastern portion of Upper Bidwell Park on the south rim of the ridge overlooking Big Chico Creek at an elevation range of 1,050 to 1,300 feet above mean sea level.

### III. PHYSICAL AND BIOLOGICAL SETTING

The study area is sited upon volcanic mudflow breccia that is part of the Tuscan Formation, with thin soils that are low in organic matter. The study area is frequently

used by disc golf enthusiasts, hikers, and cyclists. Footpaths and trails, eroded soils, trampled plants, and impacted trees are some examples of disturbances at the study area that reflect its current and historic use.

Vegetation within the study area is a mix of blue oak (*Quercus douglasii*) savannah with sparse, scattered tree cover and blue oak/foothill woodland with foothill pine (*Pinus sabiniana*) and interior live oak (*Quercus wislizenii*), interspersed with understory shrubs and vines, annual grasses and forbs, and exposed volcanic mudflow.

#### **IV. SURVEY METHODOLOGY**

Oak trees within the study area were surveyed on foot by Scott Gregory, International Society of Arboriculture (ISA) Certified Arborist WE-9041A on September 15, 2014 and November 14, 2014.

##### Data Collection

Year 4 oak tree data were collected using a Trimble GPS field computer using a data dictionary developed jointly by the City of Chico and Scott Gregory in 2012. The boundaries of the study area and the location of the 68 surveyed trees, representing 34 Priority 1 oaks and 34 Reference oaks, are illustrated on the map provided in Attachment A. Transect oaks were not included in the 2014 survey and analysis.

Each surveyed oak was measured and assessed for diameter at breast height (DBH), height class, tree condition class, proportion of the tree exhibiting impact marks, number of areas on the tree exhibiting deep wounding of the bark to the cork cambium depth, proportion of the canopy exhibiting dead wood, total number of broken branches in the canopy, tree species, growth form, and width of tree crown along the north-south bearing. Where surveyed oaks had multiple dominant stems originating below breast height, DBH was measured for each stem. All other attributes were assessed for the entire tree rather than stem-wise to maintain consistency with the protocol used during the 2011-2013 surveys.

The presence of mistletoe was noted anecdotally in 2013, and in 2014 presence/absence of mistletoe was noted for all 68 trees in the survey.

##### Priority 1 Oaks

Oaks located in an area of influence of disc golf activity with a high potential for impacts by discs were identified by City of Chico Department of Parks and Natural Resources in 2011 as Priority 1 oaks. Priority 1 oaks were located in the field using existing Geographic Information Systems (GIS) coordinate data provided by the City of Chico.

Based on the 2013 data analysis by the City, one Reference oak (former tree ID: R12-003) was reclassified as a Priority tree (new tree ID: 12-008), although the tree is located outside of the course boundary mapped by the City of Chico in 2011.

### Reference Oaks

A random sample of oaks within outer bounds of the disc golf course, but outside the field of play of individual fairway boundaries, was designated by City of Chico Department of Parks and Natural Resources in 2011 as a reference population for monitoring and comparison to Priority 1 oak data. Reference oaks were surveyed and assessed using the same parameters described above for Priority 1 oaks.

## **V. RESULTS**

### Priority 1 Oaks

Priority 1 oaks are represented by 33 blue oaks and one interior live oak, with a total of 39 stems. This count includes the former Reference oak reclassified as a Priority tree. These trees were re-visited and assessed during the 2014 monitoring survey. Mistletoe was present in 26 percent of the Priority 1 oaks. Summaries of all other 2014 Priority 1 oak metrics are presented in Tables 1–7 in Attachment B.

### Reference Oaks

Reference oaks are represented by 31 blue oaks and three interior live oaks, with a total of 51 stems. Mistletoe was present in 18 percent of the Reference oaks. Summaries of all other 2014 Reference oak metrics are presented in Tables 1–7 in Attachment B.

## **VI. DISCUSSION**

This report presents results from the fourth annual assessment of 68 oak trees (90 stems) within the bounds of the study area. The two established populations of survey trees (Priority 1 and Reference oaks) should continue to be evaluated annually to monitor the possible effects of disc golf activities on oak trees in the study area and observe where impact avoidance measures (e.g., wood chip mulch, vertical poles to block disc impacts) can be effectively installed.

The drought in 2013 continued into 2014 and drought stress remained evident in nearly all of the observed oaks in the two study populations, as well as oaks in the area not associated with the study. Observed symptoms of drought stress included premature leaf browning, sparse leaves in the canopy due to premature leaf drop, arrested acorn development, and increased mortality. Although the condition of some trees improved since 2013, an increased mortality rate was observed in 2014. Some oaks exhibited significantly more pronounced symptoms of drought stress than others, perhaps as a

result of different amounts of available soil moisture. Blue oaks are adapted to dry growing conditions however, and if more moisture is the coming winter and spring, it is possible for some trees to recover from drought stress.

Future surveys are advised to establish a long-term understanding of how recreational use of the Peregrine Point Disc Golf Course impacts the oak trees in the study area, including their response to soil compaction and ability to recover from seasonal stressors such as drought.

Thank you for providing NSR with the opportunity to assist the City of Chico with monitoring of its native oak trees in the Peregrine Point Disc Golf Course. If you have any questions or require additional information, please contact NSR Biologist Scott Gregory by telephone at (530) 345-4552 ext. 209, or by e-mail at [gregory@nsrnet.com](mailto:gregory@nsrnet.com).

Sincerely,

A handwritten signature in blue ink, appearing to read "S. Gregory", with a stylized flourish extending to the right.

Scott Gregory, Biologist  
Certified Arborist #WE-9041A, International Society of Arboriculture

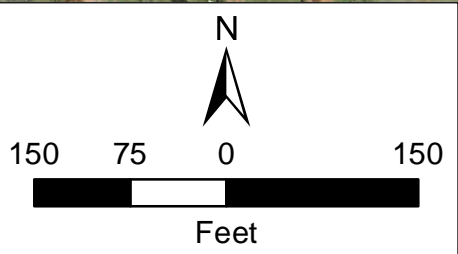
Attachment A:       Locations of Surveyed Oak Trees  
Attachment B:       Summary Data

**ATTACHMENT A**

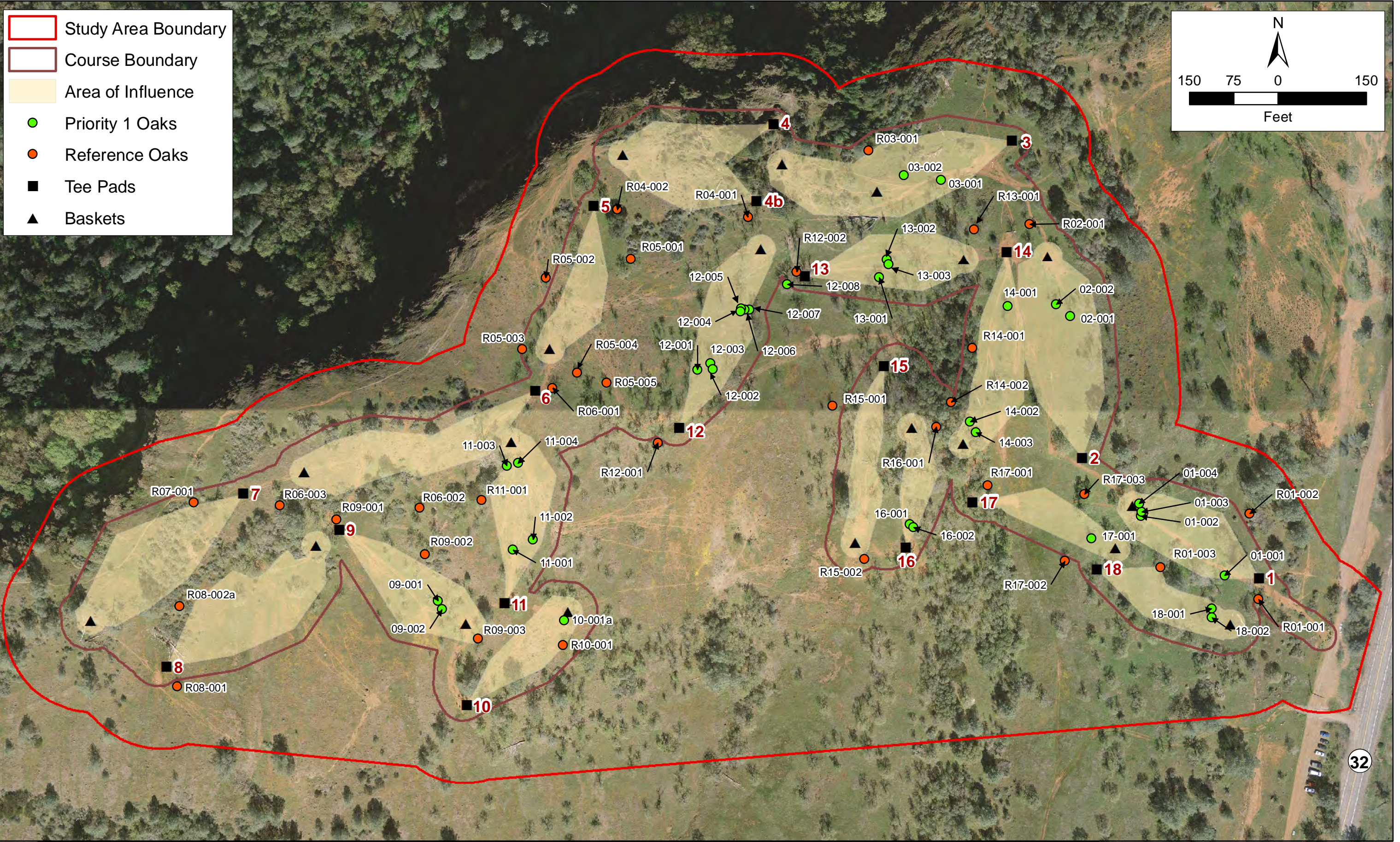
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**Locations of Surveyed Oak Trees Map**

- Study Area Boundary
- Course Boundary
- Area of Influence
- Priority 1 Oaks
- Reference Oaks
- Tee Pads
- ▲ Baskets



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## **ATTACHMENT B**

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### **Summary Data**

**Table 1 - Percent Composition of Diameter Classes**

DBH (inches)	Percent of Priority 1 Population (%)	Percent of Reference Population (%)
0-5	13.2	19.2
6-11	65.8	57.7
12-17	7.9	11.5
18-23	7.9	9.6
24-29	2.6	1.9
≥30	2.6	0.0

**Table 2 - Percent Composition of Height Classes**

Height (feet)	Percent of Priority 1 Population (%)	Percent of Reference Population (%)
0-5	0.0	0.0
6-10	5.3	1.9
11-15	13.2	28.8
>15	81.6	69.2

**Table 3 - Percent Composition of Condition Classes**

Condition	Percent of Priority 1 Population (%)	Percent of Reference Population (%)
Excellent	0.0	0.0
Good	7.9	1.9
Fair	50.0	67.3
Poor	34.2	26.9
Dead	7.9	3.8

**Table 4 - Percent Composition of Trunk Impacts Classes**

Percent Trunk Impacted	Percent of Priority 1 Population (%)	Percent of Reference Population (%)
0	0.0	56.9
1-25	5.3	28.8
26-50	28.9	9.6
51-75	47.4	1.9
>75	18.4	0.0

**Table 5 - Percent Composition of Dead Canopy Classes**

Percent Dead Canopy	Percent of Priority 1 Population (%)	Percent of Reference Population (%)
0	0.0	0
1-25	71.1	76.9
26-50	18.4	17.3
51-75	2.6	1.9
>75	7.9	3.8

**Table 6 - Percent Composition of Broken Branch Count**

Number of Broken Branches	Percent of Priority 1 Population (%)	Percent of Reference Population (%)
0	0	9.6
1	0	5.8
2	5.3	13.5
3	5.3	9.6
4	5.3	17.3
5	13.2	15.4
6	13.2	5.8
7	5.3	3.8
8	18.4	3.8
9	15.8	5.8
≥10	18.5	11.6

**Table 7 - Percent Composition of Damaged Bark Patch Count**

Number of Damaged Bark Patches	Percent of Priority 1 Population (%)	Percent of Reference Population (%)
0	44.7	80.8
1	23.7	7.7
2	18.4	3.8
3	5.3	1.9
4	5.3	0.0
5	0.0	1.9
6	2.6	3.8
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
≥10	0.0	0.0



DATE: 5/15/15  
TO: Bidwell Park and Playground Commission (BPPC)  
FROM: Dan Efseaff, Park and Natural Resource Manager  
SUBJECT: Parks and Street Trees and Public Landscapes Report

## NARRATIVE

### 1. Updates

- a. Horseshoe Lake Monitoring Update – The City Consultant (Chico Environmental) and staff will set up a meeting with the Department of Toxic Substances Control (DTSC) later this year to conduct a site visit and discuss shifting from Post Monitoring and into an Operation and Maintenance agreement. Monitoring would be completed for this year under the current arrangement.
- b. Tree Guide – Staff worked with PG&E to develop, “A Tree Guide for Chico” (Attachment A). The guide is intended to provide landowners with information to select appropriate trees for planting locations. The selected trees are based on a sub-set of trees from the City street trees approved list indicates utility friendly trees. The guide is available on the City web page and PG&E is printing copies as well.

### 2. Administrative and Visitor Services

- a. Office Move– Staff have moved fully to the 3<sup>rd</sup> floor.

### 3. Maintenance Program

Staff continues daily cleaning and safety inspections of all recreation areas including: grounds, playgrounds, picnic sites, roads and paths, coupled with daily cleaning and re-supplying of all park restrooms. Maintenance and repair of park fixtures, daily opening of gates, posting reservations, unauthorized camp clean up and the constant removal of graffiti from all park infrastructure.

- a. **Lower Park:** Staff removed a second observation deck from World of trees as it posed a safety hazard beyond repair. At One Mile we have had a real increase in needle drug use
- b. **Middle Park:** Flail mow for fire danger and spray herbicide for invasive plant species
- c. **Upper Park:** Trail season is on hold for the moment as the one staff person is needed in Lower Park for now the hope is we will get to start on the second week of May.
- d. **Various Park Locations:** Spring flail season is about midway to completion, herbicide application is in full swing to all target areas.
- e. **Upcoming Projects:** Bollards at Golden Birch entrance to Teichert Ponds, Bench and bike racks at concession stand, replace the hand dryers at Five Mile restrooms.

### 4. Ranger and Lifeguard Programs

- a. Ranger Staffing– James La Donne has accepted the offer of the Seasonal Park Ranger position. He is currently in the hiring process of background checks and medical clearance.
- b. Lifeguards – CARD anticipates that the lifeguards will be on part time duty/training starting the week of May 18<sup>th</sup>.
- c. Significant Incidents
  - i. Unusual circumstance- On 4/25/15 Ranger Sandquist was supervising an ACS Crew who were removing an illegal encampment on Little Chico Creek. One of the crew members was nearly hit by a discharged BB from a gun that appeared to have been “booby trapped.”
  - ii. Vehicle Accident- Ranger Sandquist responded to a car over the railing at Lindo Channel and Highway 99. Sandquist met with Chico Fire and CHP. The driver had minor injuries and was transported to Enloe for treatment.

**5. Natural Resource Management**






- a. The application of Telar to the thistles in the deer pen appears to have been successful. Treatment occurred before the plants had bolted, which seems to be key. The thistle infestation was much more extensive than initially thought. The treatment was a good investment of FOBP money.
- b. The Comanche Creek Telar treatment on milkthistle was not successful but those plants had already bolted and the Friends of Comanche Creek Greenway decided to not have a re-treatment of the area due to pesticide concerns.

**6. Outreach and Education**

- a. Safety Faire at the Elks Lodge– On April 17<sup>th</sup> allied agencies joined together for local elementary schools to educate on various safety issues. Park Rangers shared wildlife information as well as information on ticks and rattlesnakes.
- b. Picnic in the Plaza (PiPs) – PiPs continue every week on Tuesday from 11:30 am until 1 pm. The park division has been receiving very positive comments from downtown business’ and community members about the PiPs.

**7. Street Trees and Landscapes**

- a. Tree Pruning and Planting Contract – The City sent M&S Wesley a Notice to Proceed on May 27. Four contractors bid on the project (2 based locally). The first priority areas include the following: prune, elevate, and remove as assigned: W Sac to Big Chico Creek Bike Path, Picholine Fire Access RD, west side Teichert Ponds Bike Path, Humboldt RD 99 to Forest Ave Bike Path, and a full trim and weight reduction for a Bastone Walnut at 123 W 22nd St).

Category	Staff Hours	% of Total	% Change from Last Month	Trend
<b>Tree Crew Hours</b>				
1. Safety	60	15.0%	133.3%	
2. Tree Work	294.5	73.5%	97.2%	
3. Special Projects	11	2.7%	-	
4. Admin Time/Other	35	8.7%	72.9%	
<b>Monthly Totals</b>	<b>400.5</b>	<b>100.0%</b>	<b>101.1%</b>	

Item	Values	% Change from Last Month	Trend
<b>5. Productivity</b>			
<b>Calls</b>			
Call Outs	50	185.2%	□□□□
Service Requests: Submitted	0	-	
Service Requests: Completed	54	257.1%	---□
Sub Total	104	216.7%	□□□□
<b>Trees</b>			
Planted: Trees	16	133.3%	□□
Pruned	111	113.3%	□□--
Removed: Trees (smaller)	21	131.3%	---□
Removed: Stumps	0	-	
Removed: Trees	0	-	
Sub Total	148	117.5%	□□□□
<b>Tree Permits (#)</b>			
Submitted	0	-	
Approved	6	66.7%	□-□□
Denied	0	0.0%	□□
Total	6	46.2%	□-□□

<b>6. Contracts</b>			
Expenditures (\$)	\$ 12,138	1078.9%	---□
<b>Trees (#)</b>			
Planted	0	-	
Pruned	4	-	□
Removed: Trees (smaller)	0	-	
Removed: Stumps	0	-	
Removed: Trees	20	-	□
Total	24	-	□

**8. Volunteer and Donor Program**

- a. T-Shirt Sales – The Monkey Face t-shirts (with a special Jake Early design) are now sold at Made in Chico. Made in Chico is providing the Park Division with all proceeds from the sale. They will make a donation of \$500 for the first month.

**MONTHLY SUMMARY TABLES**

**Table 1. Monthly Public and Private Permits**

Public Permits				
Date	Location	Organization	Event	Participant #
04/03/2015	City Plaza	CSU, Chico	Chico Great Debate	250
04/04/2015	1 Mile	The Yellow Door	Walk/Run	800
04/05/2015	Middle Park Crosses	Vineyard Church of Chico	Sunrise Service	50
04/11/2015	City Plaza	Chico Toy Museum	Yo-yo Contest	100
04/11/2015	1 Mile	Bridging The Gap By Giving	Walk 4 Water 3K/5K	650

Date	Location	Event Name	Event Description	Participants
04/17/2015	City Plaza	Upstate Community Enhancement Foundation/Nor-Cal Jazz Festival	Jazz Concert	100
04/18/2015	City Plaza	Valley Oak Children's Services	35th Annual Children's Faire	
04/18/2015	1 Mile	Walk Woof Wag	Dog Walk & Dog Activities	200
04/19/2015	Council Ring	God Squad	AA Meeting	50
04/19/2015	1 Mile	Kristina Chesterman Memorial Fund	5K/10K Walk/Run	200
04/25/2015	1 Mile	The ARC of Butte Co	Walk/Run	300
04/26/2015	Council Ring	God Squad	AA Meeting	50
04/29/2015	City Plaza	Osher Longlife Learning Institute	Tai Chi Chuan	80
<b>Totals</b>			<b>13</b>	<b>2830</b>

**Table 2. Monthly Private Permits Permits**

Type	# Permits	# Participants
Private	28	3719
Caper Acres	30	2093
<b>Totals</b>	<b>58</b>	<b>5812</b>





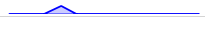
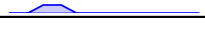

**Table 3. Monthly Maintenance Hours.**













Category	Staff Hours	% of Total	% Change from Last Month	2015 Trend
1. Safety	276	41.0%	293.6%	
2. Infrastructure Maintenance	126	18.7%	473.6%	
3. Vegetation Maintenance	121	17.9%	547.7%	
4. Admin Time/Other	151	22.4%	1157.7%	
Monthly Totals	673	100%	432.5%	

**Table 4. Monthly Incidents**

Ranger Report Incidents	Date	Location	Incident	Disposition
	4/7/15	City Plaza	Warrant	Arrest
	4/10/2015	Five Mile	Vehicle Burg	Report Taken

**Table 5. Monthly Citations and Warnings**

Violation - Citations	Monthly			Annual			Trend
	Total Citations	%	Rank	Total Citations	%	Rank	
Alcohol	0	0%	5	0	0%	7	
Animal Control Violations	0	0%	5	0	0%	7	
Bicycle Violation	0	0%	5	0	0%	7	
Glass	0	0%	5	2	4%	4	
Illegal Camping	5	19%	2	11	23%	2	
Injury/Destruction City Property	0	0%	5	0	0%	7	
Littering	0	0%	5	0	0%	7	
Other Violations	0	0%	5	1	2%	6	
Parking Violations	17	65%	1	28	58%	1	
Resist/Delay Park Ranger	2	8%	3	2	4%	4	
Smoking	2	8%	3	4	8%	3	
<b>Totals</b>	26	100%		48	100%		

Violation - Warnings	Monthly			Annual			Trend
	Total Warnings	%	Rank	Total Warnings	%	Rank	
Alcohol	7	5%	6	20	5%	6	
Animal Control Violations	10	8%	4	44	12%	4	
Bicycle Violation	36	28%	1	108	29%	1	
Glass	5	4%	8	6	2%	10	
Illegal Camping	24	19%	2	69	19%	2	
Injury/Destruction City Property	5	4%	8	9	2%	8	
Littering	8	6%	5	23	6%	5	
Other Violations	3	2%	10	8	2%	9	
Parking Violations	6	5%	7	16	4%	7	
Resist/Delay Park Ranger	0	0%	11	1	0%	11	
Smoking	24	19%	2	64	17%	3	
<b>Totals</b>	128	100%		368	100%		



## PHOTOGRAPHS



City of Chico Street Tree Staff coordinated with CSUC to plant 4 new street trees near the college campus for National Arbor Day.



Find the stop sign...the Street Maintenance Worker is focusing on elevating trees near stop signs (especially in school zones).

### Attachments:

- A. A Tree Guide for Chico

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6/25/2015



DATE: 6/23/15  
TO: Bidwell Park and Playground Commission (BPPC)  
FROM: Dan Efseaff, Park and Natural Resource Manager  
SUBJECT: Parks and Street Trees and Public Landscapes Report

## NARRATIVE

### 1. Updates

- a. Urban Forest Manager – Staff received 1 proposal for services related to the Urban Forest Manager contract. The bid was open for approximately a month and closed on 5/14/15. The bidder is a Retired Annuitant and as such, the agreement as an Independent Contractor is subject to CalPERS verification. The Human Resources Department submitted a request to CalPERS (6/2/15) and anticipates a 30 – 60 calendar day turn around. The contract will not be finalized until CalPERS responds.

### 2. Planning/Monitoring

- a. Comanche Creek – Staff from Engineering and Parks have been working on preparation and planning for implementing the project. Staff have met several times with citizens interested in the project. The focus of planning include: Land survey and ownership (path connection at Ivy and Myers), Planning - Bike Path and Bridge, Restoration plan, and Invasive plant control. The project will be completed in 2016.

### 3. Maintenance Program

Staff continues daily cleaning and safety inspections of all recreation areas including: grounds, playgrounds, picnic sites, roads and paths, coupled with daily cleaning and re-supplying of all park restrooms. Maintenance and repair of park fixtures, daily opening of gates, posting reservations, unauthorized camp clean up and the constant removal of graffiti from all park infrastructure.

- a. **Lower Park:** Staff in conjunction with Tom Williams Concrete and Obermeyer Hydro spent the better part of the month completing many of the much needed repairs to Sycamore pool and dam; repairs ranged from cutting out and replacing damaged sections of the floor, constructing a buttress/ bench to hold the wall from caving in, installing a new sump pit for pumping out the spoils to drain and lastly to inspect, tighten and adjust the dam and all of its components. Preparation for the summer season has included the revamping of the horse shoe pit recreation area, the cleanup and painting of picnic sites and general vegetation control.
- b. **Middle Park:** Flail mow for fire danger and spray herbicide for invasive plant species.
- c. **Upper Park:** Park staff worked closely with the California Conservation Corps on two trails projects; the first Monkey Face is completed. Crew set over 230 feet of stone, built two rolling grade reversals and hardened the tread for this section. The second project is a badly eroded section of the Anne B trail which will be completed in June. Staff prepared Middle and Upper Park for the Hooked on Fishing event by flail mowing and string trimming the road ways and around the building and lake to reduce risk to all.
- d. **Various Park Locations:** Spring flail season is complete, herbicide application is in full swing to all target areas. Replacement sign inventory for all park areas is near completion.
- e. **Upcoming Projects:** Bollards at Golden Birch entrance to Teichert Ponds, Bench and bike racks at concession stand, replace the hand dryers at Five Mile restrooms. Replace damaged and out of date signs throughout the park.

### 4. Ranger and Lifeguard Programs

- a. In May, the Park Division welcomed its newest ranger, Daniel Hiemstra. Daniel graduated this year from Chico






State with a degree in Park and Natural Resources. Daniel comes with a wealth of park maintenance knowledge, as his last job was for NPS at Whiskeytown Lake in the maintenance field. As the Ranger Program approaches full staffing, rangers look forward to training opportunities and more collaboration with Chico PD.

- b. Fire Rescue Training Drill – The fire department planned a rescue team drill at Devils Kitchen - parking lot Q on June 8<sup>th</sup> (9 am to 3pm) to practice several over the edge rescue scenarios. The drill included the Butte County helicopter. Ranger staff was able to participate in the training.
- b. Significant Incidents –
  - i. During the month of May, there were two incidents where people came in contact with rabid animals in the park. The first person came in contact with a fox and allowed the fox to lick him. Rabies is carried in the saliva of infected animals. The second person, a child, was exposed when playing with a bat on South Park Drive. Ranger staff delivered two bats to the Public Health Department for testing, including the bat found on South Park Drive. The bat that the young child played with tested positive. Both individuals have gone through rabies treatment. Ranger staff has created an educational sign to place on park bulletin boards to educate the public on rabies.
  - ii. Drug use, bicycle theft, vehicle burglaries, transient crime and overnighting are ongoing issues affecting the park. Staff is meeting with the police department to strategically address and target issues with police resources in the park.
- c. Lifeguards- This year’s swim season officially opened Memorial Day Saturday with a full contingent of CARD lifeguards staffing the pool 6 days a week (Fri-Weds) from 11am to 7 pm. The 11-7 schedule will continue daily until the beginning of the CUSD semester start in mid- August. After the school start, a modified schedule will continue weekdays from 2-7 pm, with weekends on a regular schedule thru Labor Day.

**5. Natural Resource Management**

- a. Little Chico Creek Arundo – Staff visited the treated area next to Humboldt Park and found that less than 25% of the area had re-sprouts. Susan Mason and John Cervantes have led efforts to remove the dead canes. Parks will spray the re-sprouts (and new ailanthus seedlings) in the early summer and next fall. Parks also looked at the south side and recommends that a corridor from the end of Jackson to the creek be treated and cleared to create a firebreak. Parks also recommended that some of the canes could be left in place but laid down on the ground and allowed to decay. While most neighbors seem very receptive (and want to remove arundo on their property, we did encounter one neighbor who was quite concerned that the removal of arundo would increase foot traffic in the area and diminish their privacy. Staff observations on the north side is that, the number of encampments at that location has plummeted since the arundo was removed.

**6. Street Trees and Landscapes**

Category	Staff Hours	% of Total	% Change from Last Month	Trend
<b>Tree Crew Hours</b>				
1. Safety	61	15.5%	101.7%	
2. Tree Work	274.5	69.6%	93.2%	
3. Special Projects	4	1.0%	36.4%	
4. Admin Time/Other	55	13.9%	157.1%	
<b>Monthly Totals</b>	<b>394.5</b>	<b>100.0%</b>	<b>98.5%</b>	

a.

Item	Values	% Change from Last Month	Trend
<b>5. Productivity</b>			
<b>Calls</b>			
Call Outs	36	72.0%	□□□□
Service Requests: Submitted	0	-	
Service Requests: Completed	69	127.8%	□□□□
Sub Total	105	101.0%	□□□□
<b>Trees</b>			
Planted: Trees	0	0.0%	□□
Pruned	110	99.1%	□□□□
Removed: Trees (smaller)	11	52.4%	□□□□
Removed: Stumps	0	-	
Removed: Trees	0	-	
Sub Total	121	81.8%	□□□□
<b>Tree Permits (#)</b>			
Submitted	0	-	
Approved	12	200.0%	□□□□
Denied	3	-	□□□
Total	15	250.0%	□□□□
<b>6. Contracts</b>			
Expenditures (\$)	\$ 5,613	46.2%	□□□□
<b>Trees (#)</b>			
Planted	0	-	
Pruned	6	150.0%	□□□□
Removed: Trees (smaller)	0	-	
Removed: Stumps	0	-	
Removed: Trees	0	0.0%	□□
Total	6	25.0%	□□□□

b.

## 7. Volunteer and Donor Program

- a. Park Watch Quarterly Report- Park Watch Volunteers reported that for the period of February through April 2015, an average of 1,532 hours per month were spent volunteering in Bidwell Park!
- b. Volunteer Hours for May- Volunteers contributed 248 hours in the Parks and Greenways. Refer to the table 6 for a detailed break down
- c. Arundo Removal- Volunteers along with assistance from Staff, the Butte County Sherriff's ACS Crew and Juvenile Probation department have removed huge stands of Arundo at the Humboldt Neighborhood Park and at 9<sup>th</sup> and Hazel along Little Chico Creek. The results have been amazing in the reduction of illegal camping and other illegal behavior in both areas.
- d. Volunteer and Donation Database- Staff has been working with raceplanner on the development of a web based volunteer and donation tracking program. The goal being more effective and efficient outreach to volunteers and donors.
- e. Upcoming Volunteer Opportunities – Planning for upcoming volunteer opportunities for July is underway. Check for volunteer sessions at [http://www.chico.ca.us/general\\_services\\_department/park\\_division/volunteer\\_calendar.asp](http://www.chico.ca.us/general_services_department/park_division/volunteer_calendar.asp)

**8. Outreach and Education**

- a. National Night Out- The Chico Police Department is going to hold this year's National Night Out Event at the City Plaza. The event will take place on Tuesday, August 4<sup>th</sup> from 4:30 PM until 9:30 PM. There will be activities for children and information and safety presented.

**9. Upcoming Issues/Miscellaneous**

**MONTHLY SUMMARY TABLES**






**Table 1. Monthly Public Permits**

Date	Location	Organization	Event	Participant #
05/02/2015	City Plaza	Cycle Productions	Artisan's Faire	501
05/02/2015	Cedar Grove	Blue Oak Charter School	School Festival	500
05/02/2015	1 Mile	Butte Environmental Council	Endangered Species Faire	3000
05/03/2015	1 Mile	Paradise Hospice House	5K Walk/Run	150
05/05/2015	City Plaza	Chico Housing Action Team	Memorial service for homeless people	65
5/6 & 5/13	City Plaza	Osher Life Long Learning Institute	Tai Chi Chuan	80
05/07/2015	City Plaza	Chico Republican Women's Federated	National Day of Prayer	100
05/09/2015	1 Mile	Enloe Medical Center	Growing Healthy Children Run	600
05/17/2015	Cedar Grove	Chico Running Club	Chico Running Masters Race	150
05/17/2015	Council Ring	God Squad	Support Meeting	50
05/24/2015	Council Ring	God Squad	Support Meeting	50
05/31/2015	Council Ring	God Squad	Support Meeting	50
<b>Totals</b>			<b>12</b>	<b>5296</b>













**Table 2. Monthly Private Permits**

Type	# Permits	# Participants
Private	43	2715
Caper Acres	39	1240
<b>Totals</b>	<b>82</b>	<b>3955</b>


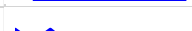







**Table 3. Monthly Maintenance Hours.**

Category	Staff Hours	% of Total	% Change from Last Month	2015 Trend
1. Safety	345	37.2%	124.8%	
2. Infrastructure Maintenance	307	33.2%	244.6%	
3. Vegetation Maintenance	113	12.2%	93.8%	
4. Admin Time/Other	161	17.4%	107.0%	
Monthly Totals	926	100%	137.6%	

**Table 4. Monthly Citations and Warnings  
Ranger Report - Warnings 2015**

Violation - Warnings	Monthly			Annual			Trend
	Total Warnings	%	Rank	Total Warnings	%	Rank	
Alcohol	24	14%	4	44	8%	5	
Animal Control Violations	29	17%	2	73	14%	4	
Bicycle Violation	30	18%	1	138	26%	1	
Glass	11	7%	6	17	3%	8	
Illegal Camping	24	14%	4	96	18%	2	
Injury/Destruction City Property	0	0%	10	9	2%	10	
Littering	5	3%	9	28	5%	6	
Other Violations	6	4%	8	14	3%	9	
Parking Violations	11	7%	6	27	5%	7	
Resist/Delay Park Ranger	0	0%	10	1	0%	11	
Smoking	27	16%	3	91	17%	3	
<b>Totals</b>	167	100%		538	100%		

**Ranger Report - Citations 2015**

Violation - Citations	Monthly			Annual			Trend
	Total Citations	%	Rank	Total Citations	%	Rank	
Alcohol	0	0%	5	0	0%	8	
Animal Control Violations	1	4%	2	1	1%	6	
Bicycle Violation	0	0%	5	0	0%	8	
Glass	0	0%	5	2	3%	4	
Illegal Camping	1	4%	2	13	18%	2	
Injury/Destruction City Property	0	0%	5	0	0%	8	
Littering	0	0%	5	0	0%	8	
Other Violations	0	0%	5	1	1%	6	
Parking Violations	22	88%	1	50	68%	1	
Resist/Delay Park Ranger	0	0%	5	2	3%	4	
Smoking	1	4%	2	5	7%	3	
<b>Totals</b>	25	100%		74	100%		

**Table 5. Monthly Volunteer Hours and Activities**

Park and Greenway Volunteer Activities, May 2015						
Date	Location	Name	# of Volunteers	Tasks: Weed & Trash Removal; trail work	Total Hours	Leader
5/2/2015	Humboldt Park	Parks /NPS	5	arundo removal	18	Heidi/Susan
5/3/2015	Humboldt Park	Parks /NPS	5	arundo removal	18	Heidi/Susan
5/8/2015	Upper Park	Parks /FOBP	2	remove italian thistle	6	Susan
5/9/2015	Humboldt Park	Parks /NPS	5	arundo removal	18	Heidi/Susan
5/9/2015	Upper/Lower Park	Stream Team	15	water monitoring	85	Timmarie
5/10/2015	Humboldt Park	Parks /NPS	5	arundo removal	18	Heidi/Susan
5/11/2015	Lower Park	Parks /FOBP	4	starthistle removal	12	Susan
5/23/2015	Comanche Creek	Parks /FOCC	6	invasive species removal	18	Susan
5/26/2015	Nature Center	CCNC/FOBP	5	invasive species removal	15	Susan
5/30/2015	Upper Park	Parks /Velo Trail Volunteers	8	trail brushing	40	Heidi/Thad
<b>TOTAL HOURS</b>					<b>248</b>	

**PHOTOGRAPHS**



Camp clean up at Teichert Ponds



Emergency response to down tree blocking the street.



The One Mile Concession stand is now open.

Staff from Jim's Towing remove a vehicle from Upper Park (Highway 32, east of Peregrine Point). The vehicle had been pushed over the edge in 2009.



Much of the repairs on the Sycamore Pool were completed prior to the pool opening on Memorial Day weekend. Additional repairs will continue in the fall.

**Attachments: None.**

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6/25/2015