

Chico Station 81 New Tanks Project

Architectural Review 10-02 (California Water Service Company)
2222 Dr. Martin Luther King Jr. Pkwy, Chico, CA (Butte County)
Assessor's Parcel No. 005-560-030

Initial Study/ Mitigated Negative Declaration

Lead Agency:

City of Chico
Planning Services
P.O. Box 3420
Chico, CA 95927

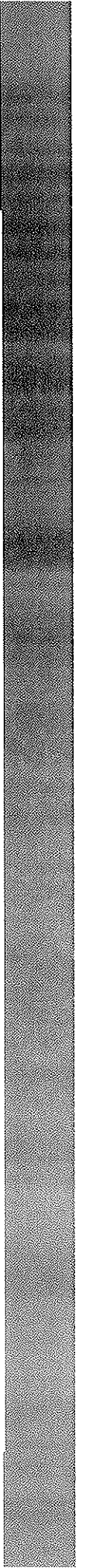
Contact: Greg Redeker, Associate Planner

Date: December 16, 2010



C H A M B E R S G R O U P

APPENDIX A - Mitigation Monitoring Plan



MITIGATION MONITORING AND REPORTING PROGRAM

Chico Station 81 New Tanks Project (AR 10-02)

Mitigation Measure	Implementation Procedure	Monitoring Responsibility	Monitoring / Reporting Action & Schedule	Non-Compliance Sanction/Activity	Monitoring Compliance Record (Name/Date)
D. BIOLOGICAL RESOURCES					
<p>D-1: Adequate measures shall be taken to prevent the loss of burrowing owl nests consistent with CDFG mitigation guidelines (1995). This shall be accomplished by taking the following steps:</p> <ol style="list-style-type: none"> 1. A preconstruction survey shall be conducted by a qualified biologist within 30 days prior to the commencement of construction, and the area to be surveyed shall include the project site and a surrounding 250-foot-wide buffer zone. 2. If no burrowing owls are detected, then no further mitigation is required. 3. If active burrowing owl burrows are identified on the site, the burrows shall not be disturbed during the nesting season (February 1 - August 31) or until a qualified biologist has determined that any young have fledged or the burrow has been abandoned. A no-disturbance buffer zone of 250-feet shall be established around each burrow with an active nest until the young have fledged the burrow as determined by a qualified biologist. 4. If destruction of an occupied burrow is unavoidable during the non-breeding season (September - February), passive relocation of the burrowing owls shall be conducted by a 	<p>Include mitigation measure in plans and specifications as required/ approved by City of Chico Planning Services</p>	<p>Applicant and Biologist</p>	<p>Prior to construction</p>	<p>Stop work order during construction.</p>	

MITIGATION MONITORING AND REPORTING PROGRAM
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<p>qualified biologist in coordination with the CDFG and USFWS. Passive relocation involves installing a one-way door at the burrow entrance, which encourages owls to move from the occupied burrow.</p> <p>5. A report of findings shall be prepared by the qualified biologist and submitted to the City for review and approval prior to initiation of grading and construction. The report shall either confirm absence of any active nests or shall confirm establishment of a designated no-disturbance zone during the breeding season for any active nests. Supplemental reports shall be submitted to the City for re-view and approval where no-disturbance zones have been required to allow construction to proceed within these zones following successful passive relocation, if required.</p>					
<p>D-2: If any tree removal is necessary between February 1st and August 31st, the project applicant or their successor in interest shall hire a qualified biologist or ornithologist to conduct preconstruction field surveys in and adjacent to the trees for nesting migratory birds. The survey shall be summarized in a letter report and forwarded to the Planning Services Department for review. Tree removal shall only commence upon written</p>	<p>Include mitigation measure in plans and specifications as required/ approved by City of Chico Planning Services</p>	<p>Applicant and Biologist</p>	<p>Ongoing through construction</p>	<p>Stop work order during construction.</p>	

MITIGATION MONITORING AND REPORTING PROGRAM
 Chico Station 81 New Tanks Project (AR 10-02)

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verification from the Planning Services Department that the survey is adequate and if no active nests are present.

If any nests are found, construction activities within 300 feet shall be postponed until after the young have fledged and left the nest. The City may prevent impacts on nesting birds by delaying issuance of a grading permit for an area where nests have been found until the birds have left the nest. The time of the bird's departure must be determined by a qualified biologist. Most bird species can be expected to leave their nests between July and September.

E. CULTURAL RESOURCES

E-1: In the event that subsurface archeological or paleontological materials are encountered within the project area, all ground-disturbing construction activities must be suspended in the vicinity of the find, and notifications sent to both the City of Chico Planning Services Department and a qualified archaeologist. Work may not resume until the deposit is recorded and evaluated by a qualified archeologist and authorization to resume work is granted by the City of Chico Planning Services Department.

Include mitigation measure in plans and specifications as required/ approved by City of Chico Planning Services

Applicant and Construction Contractor

Ongoing through construction

Stop work order during construction.

E-2: If human remains of any kind are found, all activities will cease

Include mitigation measure in plans

Applicant and Construction Contractor

Ongoing through construction

Stop work order during construction.

MITIGATION MONITORING AND REPORTING PROGRAM

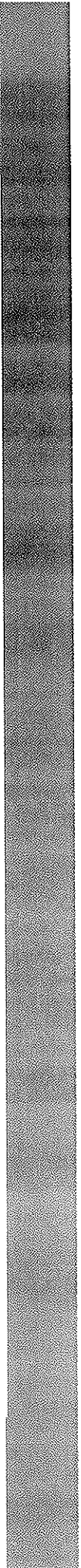
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Mitigation Measure	Implementation Procedure	Monitoring Responsibility	Monitoring / Reporting Action & Schedule	Non-Compliance Sanction/Activity	Monitoring Compliance Record (Name/Date)
<p>immediately and a qualified archaeologist, the City of Chico Planning Services Department, and the County Coroner will be notified. If the coroner determines the remains to be of Native American origin, he or she will notify the Native American Heritage Commission (NAHC). The NAHC will then identify the most likely descendants to be consulted regarding treatment and/or repatriation of the remains.</p>	<p>and specifications as required/ approved by City of Chico Planning Services</p>				
<p>I. Hydrology / Water Quality</p>					
<p>I-1: Best management practices would be implemented for any planned discharge to ensure no chlorinated water would enter the storm drain. No other pollutants are anticipated in the discharge.</p>		Applicant	Long-term under normal operating procedures		
<p>L. Noise</p>					
<p>L-1&4: Project construction hours will be limited to 7:00am to 9:00 pm Mondays through Saturdays, and 10:00am to 6:00pm Sundays and Holidays.</p>		Applicant and Construction Contractor	Ongoing through construction	Stop work immediately if outside construction hours.	



C H A M B F R S G R O U P

APPENDIX B – CNDDDB



Actinemys marmorata

western pond turtle

Element Code: ARAAD02030

_____ Status _____	NDDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G3G4	CDFG Status: SC
State: None	State: S3	

_____ Habitat Associations _____

General: A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES WITH AQUATIC VEGETATION BELOW 6000 F
 Micro: NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT UP TO 0.5 KM FROM WATER FOR EGG-LAYIN

Occurrence No. 775	Map Index: 71429	EO Index: 72326	_____ Dates Last Seen _____
Occ Rank: Fair			Element: 2008-05-07
Origin: Natural/Native occurrence			Site: 2008-05-07
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2008-06-04

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.73449° / -121.81636°	Township: 22N
UTM: Zone-10 N4398958 E601425	Range: 01E
Radius: 80 meters	Section: 25
Elevation: 217 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NW
Symbol Type: POINT	

Location: ALONG LITTLE CHICO CREEK, SOUTHEAST THE INTERSECTION OF HWY 99 AND LITTLE CHICO CREEK, CHICO.

Ecological: HABITAT CONSISTS OF A CREEK SURROUNDED BY THIN STRIP OF VALLEY RIPARIAN FOREST AND URBAN. SHALLOW WATER (8" DEEP), LARGE COBBLES, MUDDY BANK NEARBY. AREA SURROUNDED BY RIPARIAN FOREST (100 FT STRIP IN PLACES) AND URBAN DEVELOPMENT

Threat: THREATENED BY HUMAN DISTURBANCE AND PREDATION.

General: 1 VERY LARGE FEMALE TURTLE OBSERVED ON 7 MAY 2008. TURTLE OBSERVED HUNTING/SUNNING ON IMMERSED BRANCH. HALF-EATEN CRAYFISH WITHIN 10 FEET OF TURTLE.

Owner/Manager: CITY OF CHICO

Agelaius tricolor

tricolored blackbird

Element Code: ABPBXB0020

Status	NDDB Element Ranks	Other Lists
Federal: None State: None	Global: G2G3 State: S2	CDFG Status: SC

Habitat Associations

General: HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.
 Micro: REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

Occurrence No. 261	Map Index: 24022	EO Index: 6695	Dates Last Seen
Occ Rank: None			Element: 1983-05-28
Origin: Natural/Native occurrence			Site: 1983-05-28
Presence: Possibly Extirpated			
Trend: Unknown			Record Last Updated: 1994-01-03

Quad Summary: Chico (3912167/577A)
 County Summary: Butte

Lat/Long: 39.74117° / -121.78717°	Township: 22N
UTM: Zone-10 N4399733 E603918	Range: 02E
Area:	Section: 20
Elevation: 260 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: ALONG HUMBOLDT ROAD, ON THE EASTERN EDGE OF CHICO.
 Location Detail: COLONY WAS LOCATED IN A BED OF THISTLES (<1.25 ACRES) AT A DUMP SITE.
 Ecological: NESTING SUBSTRATE CONSISTS THISTLES; BIRDS WERE FORAGING IN THE SURROUNDING DRY, GRASSY HILLSIDES.
 General: ADULTS OBSERVED CARRYING FOOD TO THE THISTLE BED; NO ACTUAL NESTS OBSERVED AND FLEDGING SUCCESS UNKNOWN.
 Owner/Manager: UNKNOWN

Antrozous pallidus

pallid bat

Element Code: AMACC10010

Status	NDDB Element Ranks	Other Lists
Federal: None State: None	Global: G5 State: S3	CDFG Status: SC

Habitat Associations

General: DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS & FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.
 Micro: ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.

Occurrence No.	Map Index	EO Index	Dates Last Seen
132	60986	66589	1992-09-11
Occ Rank: Unknown			Element: 1992-09-11
Origin: Natural/Native occurrence			Site: 1992-09-11
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-09-29

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.72850° / -121.83838°	Township: 22N
UTM: Zone-10 N4398269 E599547	Range: 01E
Radius: 1 mile	Section: 26
Elevation: 200 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: CHICO.

Location Detail: MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN IN MANIS WITH UNCERTAINTY OF 3234.7814M.

General: 1 FEMALE AND 1 MALE COLLECTED BY WILLIAM E. RAINEY 7 JUL AND 11 SEP 1992, MVZ #182353 AND 182354, RESPECTIVELY.

Owner/Manager: UNKNOWN

Athene cucularia

burrowing owl

Element Code: ABNSB10010

_____ Status _____	NDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G4	CDFG Status: SC
State: None	State: S2	

_____ Habitat Associations _____

General: OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.
 Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 1029	Map Index: 70987	EO Index: 71904	----- Dates Last Seen -----
Occ Rank: None			Element: 2006-05-15
Origin: Natural/Native occurrence			Site: 2006-05-15
Presence: Extirpated			
Trend: Unknown			Record Last Updated: 2008-06-26

Quad Summary: Chico (3912167/577A)
 County Summary: Butte

Lat/Long: 39.72656° / -121.77333°	Township: 22N
UTM: Zone-10 N4398128 E605125	Range: 02E
Area: 9.0 acres	Section: 32
Elevation: 310 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: 0.25 MIL EAST OF THE INTERSECTION OF DOE MILL RD AND BRUCE RD (AKA POTTER RD?)

Location Detail: THE NORTHERN BURROW WAS IN THE BASE OF A LAVA ROCK WALL; 2 ADULTS SEEN AT THIS BURROW. THE SOUTHERN BURROW WAS IN A PILE OF ROCKS; 1 ADULT SEEN AT THIS BURROW.

Ecological: TO THE EAST & SOUTH IS OPEN GRASSLAND WITH 308% SLOPE. TO THE NORTH AND WEST IS ONGOING DEVELOPMENT.

Threat: THREATENED BY ON-GOING DEVELOPMENT.

General: 2 ACTIVE BURROWS AND OWLS WERE OBSERVED SEVERAL TIMES IN FEB 2006. THE BURROWS WERE REPORTED DESTROYED BY HEAVY EQUIPMENT IN APR 2006.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status Federal: None State: Threatened	NODD Element Ranks Global: G5 State: S2	Other Lists CDFG Status:
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Habitat Associations
 General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
 Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 699	Map Index: 38867	EO Index: 33874	Dates Last Seen
Occ Rank: Good			Element: 1998-05-18
Origin: Natural/Native occurrence			Site: 1998-05-18
Presence: Presumed Extant			Record Last Updated: 1998-06-03
Trend: Unknown			

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.67824° / -121.81329°	Township: 21N
UTM: Zone-10 N4392719 E601772	Range: 01E
Radius: 80 meters	Section: 13
Elevation: 180 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: POINT	

Location: 2.5 MILES ESE OF CHICO

Location Detail: NEST TREE IS LOCATED IN AN ENGLISH WALNUT ORCHARD NEAR THE SOUTH END OF CHICO STATE FARM.

Ecological: NEST TREE IS AN ENGLISH WALNUT IN THE NORTH (OUTER) ROW OF THE ORCHARD; NEST IS LOCATED 20+ FEET IN THE TREE. ADJACENT FIELDS TO THE NORTH FOR 1 MILE PLANTED IN WHEAT, ROW CROPS, OR FALLOW/WEEDY VEGETATION.

Threat: THREATENED BY HABITAT LOSS TO ENCROACHMENT BY THE CITY OF CHICO.

General: 2 ADULTS OBSERVED NESTING ON 18 MAY 1998.

Owner/Manager: CSU-CHICO

Desmocerus californicus dimorphus

valley elderberry longhorn beetle

Element Code: IICOL48011

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G3T2	CDFG Status:
State: None	State: S2	

Habitat Associations

General: OCCURS ONLY IN THE CENTRAL VALLEY OF CALIFORNIA, IN ASSOCIATION WITH BLUE ELDERBERRY (SAMBUCUS MEXICANA).
Micro: PREFERS TO LAY EGGS IN ELDERBERRRIES 2-8 INCHES IN DIAMETER; SOME PREFERENCE SHOWN FOR "STRESSED" ELDERBERRIES.

Occurrence No. 183	Map Index: 41880	EO Index: 41880	Dates Last Seen
Occ Rank: Unknown			Element: 1995-12-XX
Origin: Natural/Native occurrence			Site: 1995-12-XX
Presence: Presumed Extant			Record Last Updated: 1999-11-15
Trend: Unknown			

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.69892° / -121.77519°	Township: 21N
UTM: Zone-10 N4395058 E605008	Range: 02E
Area:	Mapping Precision: NON-SPECIFIC
Elevation: 225 ft	Section: 05
	Symbol Type: POLYGON
	Meridian: M
	Qtr: SE

Location: DURHAM MUTUAL CANAL, 0.25 MILE DOWNSTREAM FROM FIRST DIVERSION ON BUTTE CREEK ABOVE HWY 99, ~4 MILES SW OF CHICO.
Location Detail: ALONG DURHAM MUTUAL WATER COMPANY CANAL (IN RIGHT OF WAY), ON PRIVATE PROPERTY, ADJACENT DFG PROPERTY.

Threat: DEVELOPMENT

General: EXIT HOLES OBSERVED IN ELDERBERRY BUSHES

Owner/Manager: PVT

Eumops perotis californicus

western mastiff bat

Element Code: AMACD02011

----- Status -----	NDDDB Element Ranks	----- Other Lists -----
Federal: None	Global: G5T4	CDFG Status: SC
State: None	State: S3?	

----- Habitat Associations -----

General: MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER & DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL ETC
 Micro: ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES & TUNNELS.

Occurrence No. 45	Map Index: 25716	EO Index: 66372	----- Dates Last Seen -----
Occ Rank: Unknown			Element: 1997-02-27
Origin: Natural/Native occurrence			Site: 1997-02-27
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-11-02

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.64596° / -121.80016°	Township: 21N
UTM: Zone-10 N4389151 E602946	Range: 02E
Radius: 1 mile	Section: 24
Elevation: 160 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: DURHAM.

Location Detail: EXACT LOCATION UNKNOWN. MAPPED IN THE GENERAL VICINITY OF DURHAM.

General: 1 FEMALE SPECIMEN COLLECTED BY DENNY G. CONSTANTINE ON 27 FEB 1997. MVZ #186399.

Owner/Manager: CITY OF DURHAM, UNKNOWN

Fritillaria eastwoodiae

Butte County frillary

Element Code: PMLILOV060

----- Status -----	NDDDB Element Ranks	----- Other Lists -----
Federal: None	Global: G3Q	CNPS List: 3.2
State: None	State: S3	

----- Habitat Associations -----

General: CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST.

Micro: USUALLY ON DRY SLOPES BUT ALSO FOUND IN WET PLACES; SOILS CAN BE SERPENTINE, RED CLAY, OR SANDY LOAM. 40-1500M.

Occurrence No. 48	Map Index: 25716	EO Index: 5698	----- Dates Last Seen -----
Occ Rank: None			Element: 1935-05-XX
Origin: Natural/Native occurrence			Site: 1935-05-XX
Presence: Possibly Extirpated			
Trend: Unknown			Record Last Updated: 1994-07-01

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.64596° / -121.80016°	Township: 21N
UTM: Zone-10 N4389151 E602946	Range: 02E
Radius: 1 mile	Mapping Precision: NON-SPECIFIC
Elevation: 160 ft	Section: 24
	Meridian: M
	Symbol Type: POINT
	Qt: XX

Location: NEAR DURHAM (SOUTH OF CHICO).

Threat: IT IS DOUBTFUL THAT THE PLANT STILL EXISTS HERE, THE AREA IS INTENSIVELY CULTIVATED.

General: TYPE LOCALITY. COLLECTED TWICE IN THIS VICINITY; THE ORIGINAL COLLECTION BY MORRISON IN 1932 AND AGAIN IN 1935 BY BROWN.

Owner/Manager: CITY OF DURHAM, UNKNOWN

Fritillaria pluriflora

adobe-lily

Element Code: PML10V0F0

----- Status -----	NDDB Element Ranks	----- Other Lists -----
Federal: None	Global: G3	CNPS List: 1B.2
State: None	State: S3	

----- Habitat Associations -----

General: CHAPARRAL, CISMONTANE WOODLAND, FOOTHILL GRASSLAND.
 Micro: USUALLY ON CLAY SOILS; SOMETIMES SERPENTINE. 55-820M.

Occurrence No. 33	Map Index: 25716	EO Index: 45337	----- Dates Last Seen -----
Occ Rank: Unknown			Element: 1935-03-XX
Origin: Natural/Native occurrence			Site: 1935-03-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2001-05-11

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.64596° / -121.80016°	Township: 21N
UTM: Zone-10 N4389151 E602946	Range: 02E
Radius: 1 mile	Section: 24
Elevation: 160 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: NEAR DURHAM.

General: SEEN IN 1935. ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1935 COLLECTION BY BROWN; NEEDS FIELDWORK.

Owner/Manager: CITY OF DURHAM, UNKNOWN

Great Valley Mixed Riparian Forest

Element Code: CTT61420CA

----- Status ----- NDDB Element Ranks ----- Other Lists -----
 Federal: None Global: G2
 State: None State: S2.2

----- Habitat Associations -----
 General:
 Micro:

Occurrence No. 40 Map Index: 10794 EO Index: 15628 ----- Dates Last Seen -----
 Occ Rank: Unknown Element: 1985-11-15
 Origin: Natural/Native occurrence Site: 1985-11-15
 Presence: Presumed Extant
 Trend: Unknown Record Last Updated: 1998-07-21

Quad Summary: Chico (3912167/577A)
 County Summary: Butte

Lat/Long: 39.69512° / -121.77507° Township: 21N
 UTM: Zone-10 N4394636 E605024 Range: 02E
 Area: 113.0 acres Mapping Precision: SPECIFIC Section: 08 Qtr: NE
 Elevation: 220 ft Symbol Type: POLYGON Meridian: M

Location: BOTH SIDES HWY 99 WHERE IT CROSSES BUTTE CREEK, SE OF CHICO. "VIRGIN VALLEY RIPARIAN AREA."
 Location Detail: MATURE FOREST EXTENDS UP BUTTE CREEK ON TAILINGS.
 Ecological: ALNUS RHOMBIFOLIA, PLATANUS RACEMOSA, POPULUS FREMONTII, VITIS CALIFORNICA ALONG CREEK. QUERCUS LOBATA ALSO PRESENT
 General: AREA USED FOR EDUCATION BY CSUC. WCB HAS APPROVED ACQUISITION OF SOME PROPERTY IN THE AREA. THIS WAS OCC #040 OF CTT61420CA.
 Owner/Manager: PVT

Occurrence No. 42 Map Index: 10679 EO Index: 15627 ----- Dates Last Seen -----
 Occ Rank: Fair Element: 1985-12-10
 Origin: Natural/Native occurrence Site: 1989-12-28
 Presence: Presumed Extant
 Trend: Decreasing Record Last Updated: 1998-07-21

Quad Summary: Richardson Springs (3912177/593D), Chico (3912167/577A)
 County Summary: Butte

Lat/Long: 39.74920° / -121.79990° Township: 22N
 UTM: Zone-10 N4400610 E602815 Range: 01E
 Area: 172.9 acres Mapping Precision: SPECIFIC Section: 26 Qtr: XX
 Elevation: 205 ft Symbol Type: POLYGON Meridian: M

Location: BIDWELL PARK. BIG CHICO CREEK FROM PALMETTO AVE UPSTREAM TO VIC OF GOLF COURSE, BIDWELL PARK, CHICO.
 Location Detail: EXTENDS UPSTREAM OF BOUNDARY SHOWN AS NARROW BAND TO THE VICINITY OF GOLF COURSE.
 Ecological: POPULUS FREMONTII, PLATANUS RACEMOSA, QUERCUS LOBATA, SAMBUCUS CERULEA, FRAXINUS, ARISTOLOCHIA CA, ACER, ALNUS ALONG CRK. VITIS COMMON. D/S PORTIONS INVADED BY VINCA, IVY, AILANTHUS. IN SOME AREAS MANY YOUNG TREES. OLD TREES 2.5-3 FT DIA.
 Threat: RECREATION USE. FLOOD CONTROL UPSTREAM HAS ALTERED NATURAL WATER REGIME. DEVEL NEARBY ALLOWS INVASIVE EXOTICS TO INVADE.
 General: HEAVY REC USE. THIS WAS OCC #042 OF CTT61420CA.
 Owner/Manager: CITY OF CHICO

Great Valley Valley Oak Riparian Forest

Status	NDDB Element Ranks	Element Code: CTT61430CA	Other Lists
Federal: None	Global: G1		
State: None	State: S1.1		

Habitat Associations

General:
 Micro:

Occurrence No. 24	Map Index: 10726	EO Index: 15607	Dates Last Seen
Occ Rank: Unknown			Element: 1985-12-10
Origin: Natural/Native occurrence			Site: 1985-12-10
Presence: Presumed Extant			
Trend: Decreasing			Record Last Updated: 1998-07-23

Quad Summary: Richardson Springs (3912177/593D), Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.74511° / -121.81255°	Township: 22N
UTM: Zone-10 N4400141 E601737	Range: 01E
Area: 126.4 acres	Section: 24
Elevation: 235 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: S
Symbol Type: POLYGON	

Location: BIDWELL PARK, BETWEEN VALLEMBROSA AVE AND CHICO CANYON ROAD, HWY 99 TO 0.75 MILE SSE OF "HOOKER OAK."

Location Detail: BOUNDARY FROM DFG 1976 MAPS.

Ecological: REMNANT VALLEY OAK/SYCAMORE ASSOCIATION ON TERRACES. SOME AREAS RUDERAL W/ CONSIDERABLE VINCA, OTHERS REMAIN NATURAL UP TO 90 % CANOPY COVER IN PARTS.

General: THIS WAS OCC #024 OF CTT63410CA.

Owner/Manager: CITY OF CHICO

Lasionycteris noctivagans

silver-haired bat

Element Code: AMACC02010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G5

CDFG Status:

State: None

State: S3S4

Habitat Associations

General: PRIMARILY A COASTAL & MONTANE FOREST DWELLER FEEDING OVER STREAMS, PONDS & OPEN BRUSHY AREAS.

Micro: ROOSTS IN HOLLOW TREES, BENEATH EXFOLIATING BARK, ABANDONED WOODPECKER HOLES & RARELY UNDER ROCKS. NEEDS DRINKING WATER.

Occurrence No. 14

Map Index: 60986

EO Index: 61022

Dates Last Seen

Occ Rank: Unknown

Element: 1992-08-31

Origin: Natural/Native occurrence

Site: 1992-08-31

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2005-04-15

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.72850° / -121.83838°

Township: 22N

UTM: Zone-10 N4398269 E599547

Range: 01E

Radius: 1 mile

Mapping PrecisionNON-SPECIFIC

Section: 26

Qtr: XX

Elevation: 200 ft

Symbol Type:POINT

Meridian: M

Location: CHICO.

Location Detail: EXACT LOCATION NOT KNOWN. MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY MANIS WITH AN UNCERTAINTY OF 3235 METERS (~2 MILES).

General: ALL COLLECTED AT "CHICO" & DEPOSITED AT MVZ. 1972: 1 MALE & 1 FEMALE (#174677 & 174678). 1985: 2 MALES & 1 FEMALE (#182486-182488). 1990: 1 MALE & 2 FEMALES (#182368-182370). 1991: 2 FEMALES (#182371 & 182372). 1992: 1 MALE (#182373).

Owner/Manager: UNKNOWN

Lasiurus cinereus

hoary bat

Element Code: AMACC05030

_____ Status _____	NDDB Element Ranks	_____ Other Lists _____
Federal: None	Global: G5	CDFG Status:
State: None	State: S4?	

_____ Habitat Associations _____

General: PREFERS OPEN HABITATS OR HABITAT MOSAICS, WITH ACCESS TO TREES FOR COVER & OPEN AREAS OR HABITAT EDGES FOR FEEDING.
 Micro: ROOSTS IN DENSE FOLIAGE OF MEDIUM TO LARGE TREES. FEEDS PRIMARILY ON MOTHS. REQUIRES WATER.

Occurrence No. 18	Map index: 60986	EO index: 68775	_____ Dates Last Seen _____
Occ Rank: Unknown			Element: 1992-04-06
Origin: Natural/Native occurrence			Site: 1992-04-06
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2007-03-15

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.72850° / -121.83838°	Township: 22N
UTM: Zone-10 N4398269 E599547	Range: 01E
Radius: 1 mile	Section: 26
Elevation: 200 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: CHICO.

Location Detail: MAPPED TO INCLUDE LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTIES OF 10000M AND 3234.7814M.

General: 1 MALE SPECIMEN (KU #140158) COLLECTED BY G.L. MCGRATH ON 7 MAY 1976. 1 FEMALE SPECIMEN (MVZ #182405) COLLECTED BY WILLIAM E. RAINEY ON 6 APR 1992. BOTH COLLECTED AT "CHICO."

Owner/Manager: UNKNOWN

Lepidurus packardii

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status
 Federal: Endangered
 State: None

NDDDB Element Ranks
 Global: G3
 State: S2S3

Other Lists
 CDFG Status:

Habitat Associations

General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.

Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 78

Map Index: 33662

EO Index: 30635

Dates Last Seen

Occ Rank: Unknown

Element: 1993-01-11

Origin: Natural/Native occurrence

Site: 1993-01-11

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1997-03-17

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.73361° / -121.79679°

Township: 22N

UTM: Zone-10 N4398883 E603104

Range: 02E

Radius: 3/5 mile

Mapping Precision: NON-SPECIFIC

Section: 30

Qtr: XX

Elevation: 225 ft

Symbol Type: POINT

Meridian: M

Location: EAST OF HWY 99 AND SOUTH OF HWY 32. VICINITY OF LITTLE CHICO CREEK. EAST OF CHICO.

Location Detail: VERNAL POOLS LOCATED SOMEWHERE IN SECTION 30. 49 FEATURES WERE INSPECTED. NONE CONTAINED BRANCHINECTA LYNCHI AND 3 CONTAINED LEPIDURUS PACKARDI.

Ecological: NATURAL VERNAL POOLS.

General: SUGNET RECORD NUMBER 193.

Owner/Manager: UNKNOWN

Limnanthes floccosa ssp. californica

Butte County meadowfoam

Element Code: PDLIM02042

Status: Endangered
 Federal: Endangered
 State: Endangered

NDDB Element Ranks
 Global: G4T1
 State: S1.1

Other Lists
 CNPS List: 1B.1

Habitat Associations

General: VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.

Micro: WET OR FLOWING DRAINAGES & DEPRESSIONS; OFTEN NOT IN DISCRETE VERNAL POOLS; SOILS ARE USU REDDING CLAY W/ROCKS. 50-930M.

Occurrence No. 7 Map Index: 10755 EO Index: 9240 Dates Last Seen

Occ Rank: Good Element: 2006-XX-XX
 Origin: Natural/Native occurrence Site: 2006-XX-XX
 Presence: Presumed Extant
 Trend: Decreasing Record Last Updated: 2007-08-10

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.73594° / -121.78382° Township: 22N
 UTM: Zone-10 N4399157 E604212 Range: 02E
 Area: 85.3 acres Mapping Precision: SPECIFIC Section: 30 Qtr: NE
 Elevation: 250 ft Symbol Type: POLYGON Meridian: M

Location: ASSEMBLY OF GOD/N ENLOE/BRUCE RD/STILSON CYN POPS. E OF CHICO, AT INTERSECTION OF BRUCE, HUMBOLDT, & STILSON CYN ROADS.

Location Detail: PLANTS ON EAST AND WEST SIDES OF BRUCE RD. ALSO IN NW 1/4 OF SECTION 29 AND SE 1/4 OF SECTION 19. N SIDE OF LITTLE CHICO CREEK. BOTH SIDES OF BRUCE ROAD. THREE JOKERST SITES HERE: HUMBOLDT, N ENLOE AND BRUCE-STILSON.

Ecological: IN ROCKY VERNAL STREAMS, WITH LAYIA FREMONTII, TRIPHYSARIA ERIANTHA, LASTHENIA CHRYSOSTOMA, BLENNOSPERMA NANUM, NAVARRETIA LEUCOCEPHALA, ACHYRACHAENA MOLLIS.

Threat: DEVELOPMENT, ROAD CONSTRUCTION, & GRAZING ARE THREATS. CHURCH SITE ELIMINATED; BRUCE-STILSON POP. MAY BE FILLED.

General: 4 MAIN SUBPOPS: N OF HWY 32, HUNDREDS OF PLANTS (1991), FAIR SITE QUALITY. BETW. HWY 32 & HUMBOLDT RD., POP. MOSTLY DESTROYED BY CONSTRUCTION. S OF HUMBOLDT RD. 46,000 PLANTS (1988). E OF BRUCE RD., 23,000 PLANTS (1991).

Owner/Manager: PVT

Occurrence No. 20 Map Index: 10763 EO Index: 19817 Dates Last Seen

Occ Rank: Good Element: 2002-03-21
 Origin: Natural/Native occurrence Site: 2002-03-21
 Presence: Presumed Extant
 Trend: Decreasing Record Last Updated: 2005-07-27

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.71383° / -121.78670° Township: 22N
 UTM: Zone-10 N4396699 E603999 Range: 02E
 Area: 2.3 acres Mapping Precision: SPECIFIC Section: 32 Qtr: SW
 Elevation: 230 ft Symbol Type: POLYGON Meridian: M

Location: EAST OF CHICO, JUST NORTH OF THE SKYWAY, EAST AND WEST OF BRUCE ROAD. BRUCE RD FOLLOWS SEC 31/32 SEC LINE HERE.

Location Detail: IN 2002 TWO NEW COLONIES FOUND. SOUTH COLONY 500 EAST OF INTERSECTION OF BRUCE ROAD AND SKYWAY, 100-300 FEET NORTH OF THE SKYWAY, AND NORTH COLONY IN SWALE ABOUT 1,100 FEET NORTH OF THE SOUTH COLONY. MAPPED WITHIN THE SW 1/4 SECTION 32

Ecological: SHALLOW VERNAL POOLS AND SWALES WITH PLANTAGO ERECTA, TRIPHYSARIA ERIANTHA, HORDEUM MARINUM, BLENNOSPERMA NANUM, LAYIA FREMONTII, LEPIDIUM NITIDUM, AIRA CARYOPHYLLUM, AND POA SPP.

Threat: WESTERN COLONIES DESTROYED BY SHOPPING CENTER CONSTRUCTION IN 1985. EAST COLONIES ARE AT A PROPOSED HIGH SCHOOL SITE.

General: SMALL POPULATION OF <100 PLANTS IN 1984 ON W SIDE OF BRUCE RD. SITE DESTROYED IN 1985, NOW IS A SHOPPING CENTER. NEW POPULATIONS FOUND ON E SIDE OF BRUCE RD IN 2002, 193 PLANTS SEEN IN 2 COLONIES.

Owner/Manager: PVT

Limnanthes floccosa ssp. californica

Butte County meadowfoam

Element Code: PDLIM02042

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G4T1	CNPS List: 1B.1
State: Endangered	State: S1.1	

Habitat Associations

General: VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.

Micro: WET OR FLOWING DRAINAGES & DEPRESSIONS; OFTEN NOT IN DISCRETE VERNAL POOLS; SOILS ARE USU REDDING CLAY W/ROCKS. 50-930M.

Occurrence No. 34	Map Index: 20283	EO Index: 22119	Dates Last Seen
Occ Rank: Good			Element: 2006-XX-XX
Origin: Natural/Native occurrence			Site: 2006-XX-XX
Presence: Presumed Extant			
Trend: Decreasing			Record Last Updated: 2007-08-15

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.72453° / -121.78209°	Township: 22N
UTM: Zone-10 N4397893 E604377	Range: 02E
Area: 119.0 acres	Section: 32
Elevation: 265 ft	Meridian: M
	Qtr: NW

Location: INTERSECTION OF DOE MILL AND BRUCE ROADS (AT NW CORNER OF SECTION 32). BRUCE RD. NOW EXTENDS SOUTH FROM THIS CORNER.
 Location Detail: MAPPED AS 4 POLYGONS. GREATEST CONCENTRATION OF PLANTS IS SOUTHEAST OF DOE MILL/BRUCE RD INTERSECTION. PLANTS ALSO OCCUR IN S 1/2 OF SW 1/4 OF SECTION 29, NE 1/4 OF SECTION 31, & NW 1/4 OF SECTION 32. DOE MILL & SCHMIDBAUER SITES.

Ecological: ROCKY VERNAL STREAM IN GRASSLAND DOMINATED BY NAVARRETIA LEUCOCEPHALA, BLENNOSPERMA NANUM, LASTHENIA CHRYSOSTOMA, LAYIA FREMONTII, LIMNANTHES DOUGLASII ROSEA, L. ALBA ALBA. HABITAT WEST OF BRUCE RD IS DRIER THAN THAT EAST

Threat: CATTLE GRAZING, DRAINAGE CHANGES FROM BRUCE RD CONSTRUCTION, ADJACENT TO HOUSING DEVELOPMENT, PROPOSED HIGH SCHOOL SITE.

General: 9000 PLANTS SEEN IN 1988, UNKNOWN # IN 1992. IN 2002: 284 PLANTS IN NE COLONIES & 470 AT SW COLONIES. RD RUNNING N-S THROUGH CENTER OF SEC 32 FORMERLY BRUCE RD, NOW POTTER DR. PORTIONS OF POPS. N OF DOE MILL RD HAVE BEEN ELIMINATED.

Owner/Manager: PVT

Occurrence No. 43	Map Index: 62125	EO Index: 62161	Dates Last Seen
Occ Rank: Unknown			Element: 1991-04-18
Origin: Natural/Native occurrence			Site: 1991-04-18
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2005-07-27

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.71342° / -121.77334°	Township: 22N
UTM: Zone-10 N4396670 E605144	Range: 02E
Radius: 1/10 mile	Section: 32
Elevation: 260 ft	Meridian: M
	Qtr: SE

Location: NEAR THE INTERSECTION OF HUMBUG RD AND THE SKYWAY, NEAR CHICO.

Location Detail: LOCATION GIVEN BY JOKERST AS "W OF DIRT ROAD, E OF BUTTE CREEK DIVERSION CHANNEL" IN "T22N R2E SEC 32 SW 1/4 OF SE 1/4 CENT E EDGE." MAPPED BY CNDDDB AT THE CENTER OF THE EAST EDGE OF THE SW 1/4 SE 1/4 SEC 32.

Ecological: TUSCAN SOIL FORMATION.

General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1991 COLLECTION BY JOKERST.

Owner/Manager: UNKNOWN

Oncorhynchus tshawytscha spring-run

Central Valley spring-run chinook salmon ESU

Element Code: AFCHA0205A

Status	NDDB Element Ranks	Other Lists
Federal: Threatened	Global: G5	CDFG Status:
State: Threatened	State: S1	

Habitat Associations

General: ADULT NOS. DEPEND ON POOL DEPTH & VOLUME, AMOUNT OF COVER, & PROXIMITY TO GRAVEL. WATER TEMPS >27 C IS LETHAL TO ADULTS
Micro: FEDERAL LISTING REFERS TO POPS SPAWNING IN SACRAMENTO RIVER & TRIBUTARIES.

Occurrence No. 3	Map Index: 34001	EO Index: 535	Dates Last Seen
Occ Rank: Fair			Element: 1997-09-05
Origin: Natural/Native occurrence			Site: 1997-09-05
Presence: Presumed Extant			
Trend: Decreasing			Record Last Updated: 1998-06-02

Quad Summary: Hamlin Canyon (3912166/576B), Paradise West (3912176/592C), Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.78898° / -121.65779°	Township: 22N
UTM: Zone-10 N4405198 E614924	Range: 03E
Area: 988.7 acres	Section: 5
Elevation: 800 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: BUTTE CREEK, FROM PARROT-PHELAN DIVERSION DAM UPSTREAM TO THE CENTERVILLE DIVERSION DAM WEST OF DE SABLE, BUTTE CO.
Location Detail: PARROT-PHELAN DIVERSION DAM ("OKIE DAM"), APPROXIMATELY 3 MILES EAST OF THE JUNCTION OF HIGHWAY 99 AND SKYWAY TO CENTERVILLE DAM, 1 MILE WEST OF DE SABLE AND/OR 6.3 MILES NORTH OF PARADISE.

Ecological: THE STOCK PURITY IS CONSIDERED GOOD. BUTTE CREEK HAS A SELF-SUSTAINING POPULATION THAT IS THOUGHT TO BE DECLINING. MEAN RUN SIZE FOR THE YEARS 1980-89 WAS 500 FISH. MAPPED SPAWNING AND/OR HOLDING AREAS.

Threat: FISH PASSAGE PROBLEMS, UNSCREENED DIVERSIONS, POOR WATER QUALITY (HIGH TEMPERATURES, AG RUNOFF, INADEQUATE FLOWS).

General: BUTTE CREEK HAS A HIGH POTENTIAL FOR RESTORATION. ADULTS ARE SAMPLED ANNUALLY IN SEPT. SPECIAL SURVEY, SAMPLING OUT-MIGRANTS NOV 1995 TO JUNE 1996. 1997 ADULT ESCAPEMENT, 635 FISH. PLANS AND IMPROVEMENTS IN 97 REPORT.

Owner/Manager: PVT

Potamogeton filiformis

slender-leaved pondweed

_____ Status _____

Federal: None

State: None

_____ NDDDB Element Ranks _____

Global: G5

State: S1S2

Element Code: PMPOT03090

_____ Other Lists _____

CNPS List: 2.2

_____ Habitat Associations _____

General: MARSHES AND SWAMPS.

Micro: SHALLOW, CLEAR WATER OF LAKES AND DRAINAGE CHANNELS. 15-2310M.

Occurrence No. 19

Map Index: 73372

EO Index: 74342

_____ Dates Last Seen _____

Occ Rank: Unknown

Element: 1987-05-25

Origin: Natural/Native occurrence

Site: 1987-05-25

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2009-01-12

Quad Summary: Chico (3912167/577A)

County Summary: Butte

Lat/Long: 39.70708° / -121.76005°

UTM: Zone-10 N4395982 E606293

Radius: 1/10 mile

Elevation: 260 ft

Township: 21N

Range: 02E

Section: 04

Meridian: M

Qtr: NW

Mapping Precision: NON-SPECIFIC

Symbol Type: POINT

Location: ON THE N SIDE OF BUTTE CREEK NE OF THE SKYWAY, BUTTE CREEK RESERVE.

Location Detail: IN A POND ALONG A CHANNEL. MAPPED BY CNDDDB AS BEST GUESS AROUND THE POND VISIBLE ON AERIAL IMAGERY IN THE SE 1/4 OF THE NW 1/4 OF SECTION 4 ACCORDING TO LOCATION AND TRS INFORMATION ON HERBARIUM LABEL.

Ecological: RIPARIAN WOODLAND. UNCOMMON IN SHALLOW WATER OF A POND ALONG A CHANNEL WHICH CARRIES WATER DURING MODERATE WINTER AND SPRING FLOODS.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1987 OSWALD COLLECTION. NEEDS FIELDWORK. DID WE MAP THIS CORRECTLY?

Owner/Manager: DPR-BUTTE CREEK CANYON ER?

Sidalcea robusta

Butte County checkerbloom

Element Code: PDMAL110P0

----- Status -----	NDDB Element Ranks	----- Other Lists -----
Federal: None	Global: G2	CNPS List: 1B.2
State: None	State: S2.2	

----- Habitat Associations -----

General: CHAPARRAL, CISMONTANE WOODLAND.
 Micro: SMALL DRAWS AND ROCKY CREVICES. 85-335M.

Occurrence No. 11	Map Index: 25716	EO Index: 51449	----- Dates Last Seen -----
Occ Rank: Unknown			Element: XXXX-XX-XX
Origin: Natural/Native occurrence			Site: XXXX-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-06-02

Quad Summary: Chico (3912167/577A)
 County Summary: Butte

Lat/Long: 39.64596° / -121.80016°	Township: 21N
UTM: Zone-10 N4389151 E602946	Range: 02E
Radius: 1 mile	Section: 24
Elevation: 160 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: DURHAM.

General: SEEN IN 1934. SCHLISING, 1982, QUESTIONS ACCURACY OF LOCALITY SINCE ELEVATION IS LOW FOR RANGE OF SPECIES. MOST OF AREA NEAR DURHAM NOW CULTIVATED.

Owner/Manager: CITY OF DURHAM, UNKNOWN

Occurrence No. 15	Map Index: 10790	EO Index: 20697	----- Dates Last Seen -----
Occ Rank: Unknown			Element: 1981-XX-XX
Origin: Natural/Native occurrence			Site: 1981-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-07-01

Quad Summary: Chico (3912167/577A)
 County Summary: Butte

Lat/Long: 39.73305° / -121.77744°	Township: 22N
UTM: Zone-10 N4398843 E604763	Range: 02E
Area:	Section: 29
Elevation: 305 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: N
Symbol Type: POLYGON	

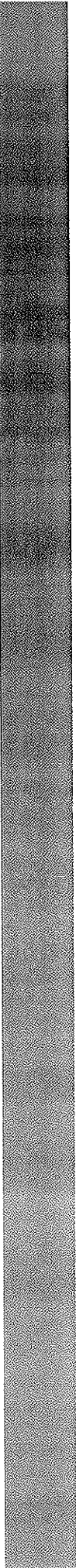
Location: CENTER OF N 1/2 OF SECTION 29, T22N, R2E. (NEAR JCT STILSON CYN ROAD AND HUMBOLDT ROAD, E OF CHICO).

Owner/Manager: PVT



C H A M B F R S G R O U P

APPENDIX C – Cultural Records Search





April 7, 2010
(JN 20170)

Ms. Kim Donovan
California Water Service Company
2222 Dr. Martin Luther King Jr. Pkwy.
Chico, CA 95928

Subject: Results of the Cultural Resources Records Search for the Proposed Station 81 New Tanks Project in the City of Chico, Butte County California.

Dear Ms. Kim Donovan

This letter report details the methods and results of the cultural resources records search conducted in support of the proposed Chico Station 81 New Tanks Project which is located in the City of Chico, Butte County, California.

I. Cultural Resources Record Search/Literature Review Methods

A record search/literature review was initiated on February 23 and completed on March 24, 2010 by the Northeast Information Center, located at California State University, Chico. The purpose of this review was to examine any existing cultural resources survey reports, archaeological site records, and historic maps to determine whether previously documented prehistoric or historic archaeological sites, architectural resources, cultural landscapes, or ethnic resources exist within or adjacent to the project area. The record search/literature review was also conducted to determine whether any historic properties listed on or determined eligible for listing on the National Register of Historic Places (NRHP) or California Register of Historical Resources (CRHR) exist within the project area.

Results of the review of the survey reports and site records obtained from the Northeast Information Center indicate that 28 previous cultural resources investigations have occurred within a one-mile radius of the project area, including one that overlapped the current project area. That study (Markley 1977) covered the entire project area as well as over 70 acres to the north. No cultural resources were identified as a result of that survey.

The record search also revealed that there is just one previously recorded cultural resource within a one-mile radius of the project area. Site CA-BUT-446 consists of a prehistoric camp near the present-day intersection of Autumn Hill Lane and Ridgebrook Way approximately one mile north of the current project area. The site was recorded in 1962 as reported by Bass (1974).

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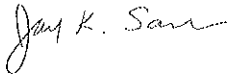
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II. RECOMMENDATIONS

The project area has previously been surveyed and there are no known cultural resources in the vicinity; therefore, the proposed project is not expected to impact cultural resources in any way. No further cultural resources work is recommended. In the unlikely event that any subsurface archaeological materials are encountered within any part of the project area, all ground-disturbing construction activities must be suspended in the vicinity of the find until the deposit is recorded and evaluated by a qualified archaeologist. If human remains of any kind are found, mitigation calls for all activities to cease immediately and a qualified archaeologist and the Butte County Coroner to be notified. If the coroner determines the remains to be of Native American origin, he or she will notify the Native American Heritage Commission (NAHC). The NAHC will then identify the most likely descendants to be consulted regarding treatment and/or repatriation of the remains.

Sincerely,



Jay K. Sander, M.A.
Senior Archaeologist
Chambers Group, Inc.

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