INTERIM MONITORING AND MANAGEMENT PLAN FOR THE ALTON SOUTH CONSERVATION BANK SONOMA COUNTY, CA

Submitted on behalf of:

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Prepared by:

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I INTRODUCTION

This Interim Monitoring and Management Plan ("Plan") describes the initial monitoring and management activities on the Alton South Conservation Bank ("ASCB") that will be implemented and funded by Alton Preserve, LLC. The initial activities include creation of approximately 0.78 acre of seasonal wetland habitat to provide habitat for Lasthenia burkei (Burke's goldfields), monitoring for five (5) years the performance of the wetlands and colonization of the wetlands by Lasthenia burkei, removal of grape vines and other exotic and undesirable vegetation currently growing at the ASCB, and installation of a perimeter fence around the ASCB. Fee title to the ASCB will be transferred to the California Department of Fish and Game ("CDFG") as a condition of bank establishment. The Bank Sponsor will be responsible for the enhancement and development of the bank as well as all activities outlined in this Interim Monitoring and Management Plan. As part of the Interim Monitoring and Management Plan, Alton Preserve, LLC will develop a Vegetation Management Plan, which will include a grazing plan specific to the ASCB site, an invasive plant control plan, and, a mowing plan. CDFG will implement the grazing plan, while Alton Preserve, LLC will implement the invasive plant control plan, and if there is a delay in implementation of the grazing plan, the mowing plan to control vegetation growth until grazing is implemented by CDFG, during the five-year interim period following bank approval. CDFG will be responsible for implementing the elements of the Long-term Monitoring and Management Plan, following the initial interim five-year management period using funds from the management endowment.

The ASCB is approximately 8.11 acres of abandoned grape vines, seasonal wetlands and small areas planted with native and non-native trees and shrubs in an annual grassland mosaic. The site provides potential habitat for the California tiger salamander ("CTS"), which is known to occur in the vernal pools created in the northwest corner of the existing Alton Lane Mitigation Site and well within the migratory distance for juvenile and adult CTS.

II PROPERTY DESCRIPTION

A Geographic Setting and Location

The ASCB is approximately 8.11 acres, part of a larger parcel (A. P. No. 034-042-075) located at 2779 Piner Road in the northwest part of the City of Santa Rosa, along the north side of Piner Road between Marlow Road and Fulton Avenue (Figure 1). The ASCB is also within the limits of the Alton Conservation Area. The General Plan land use designation and zoning for the ASCB are the same, LIA or "Land Intensive Agricultural."

B History and Land Use

The ASCB is unoccupied but was once converted to a vineyard when the Franks family lived in a residence on the property outside the proposed conservation bank boundaries. The date at which the vineyard was installed is unknown but it appears to have been abandoned for almost a decade and many of the vines have died or been reduced to a fraction of their size when actually managed for grape production. No structures or outbuildings are present within the ASCB, but dirt access roads run along the north and east boundaries and through the center of the north end of the preserve. These roads were graded when the vineyard was actively managed. Mr. Franks also planted ornamental and native trees and installed drip irrigation (Franks, personal communication).

No leases currently exist on the proposed ASCB, but a single easement exists on the proposed ASCB. This easement (2743 OR 330, 2743 OR 333) was granted to Pacific Gas & Electric, its respective successors, assigns, lessees, and agents to construct, reconstruct, install, maintain, and operate an overhead electric transmission line within a 25-foot strip along the western Preserve property line. PG&E has the rights for vehicular access to the property and to transport all necessary persons, equipment, materials, etc. within the easement to conduct whatever activities are necessary to transmit, distribute, and supply electrical power to the public in general, to install gates in existing or future fences as necessary to maintain access for these purposes, and trim branches from or remove any trees or brush that might interfere with the line.

C Soils and Hydrology

The soils on the proposed ASCB are mapped by the Soil Conservation Service (U.S. Soil Conservation Service 1972) as belonging to the Huichica loam series (shallow, 0 - 9 percent slopes). The Huichica soils possess a clay horizon at a depth of about two feet and occasionally a cemented hardpan below the clay. Together, they form an effective barrier to deep percolation and perch water near the surface. Although the surface relief appears to have been modified, the properties that affect ponding at the surface appear to remain intact on the property. The Huichica loam series is considered a vernal pool soil by the Vernal Pool Task Force (CH2M Hill 1996).

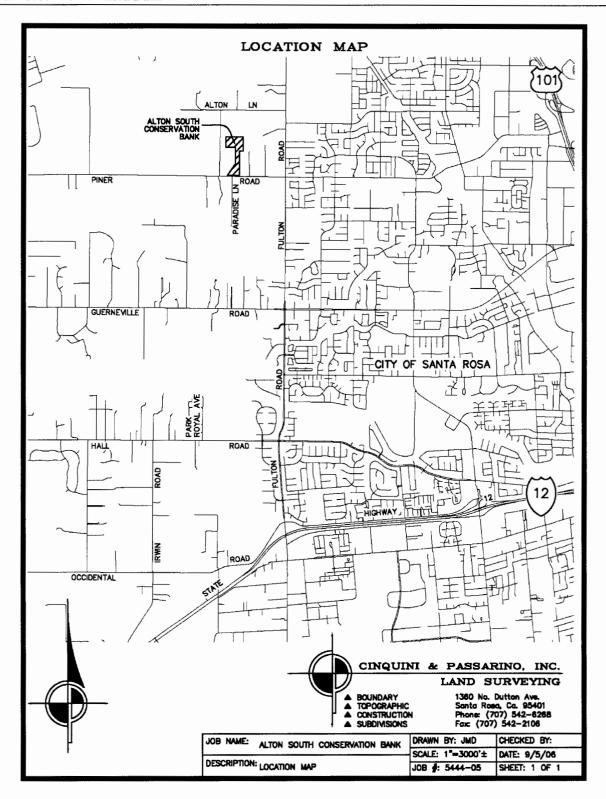


Figure 1. Alton South Conservation Bank location map.

A physical site investigation of the ASCB site found the surface soils to be generally loamy, with clay loam soils uncommon along the main north-south swale; the presence of an almost universal clay horizon with variable amounts of sand and small gravel; the presence of a hardpan over approximately 45 percent of the site and variable cementation from weak to moderately strong, universally decreasing with depth; the presence of a water-restricting horizon (clay horizon and/or hardpan) over most of the site (approximately 90 percent); and no fill appears to have been imported to the site and no filling appears to have occurred as a result of past active vineyard management.

The proposed ASCB site is drained primarily by three swales (Figure 2). One, with a very small contributing watershed, drains only the extreme northwest corner; a small culvert could potentially carry water from the vineyards to the west, but it is small and appears to be crushed. The main swale that runs through the northern part of the ASCB enters from an adjacent vineyard to the north. It also carries a small volume of water from the Porter Mitigation Site north of the vineyard. The swale crossing the southern part of the proposed ASCB carries water from the steeper southern portion of the ASCB as well as the area southwest of the existing residence, which is outside the boundary of the proposed ASCB and the vineyards to the east. This southern swale flows into a 60 in x 48 in. concrete culvert at Piner Road.

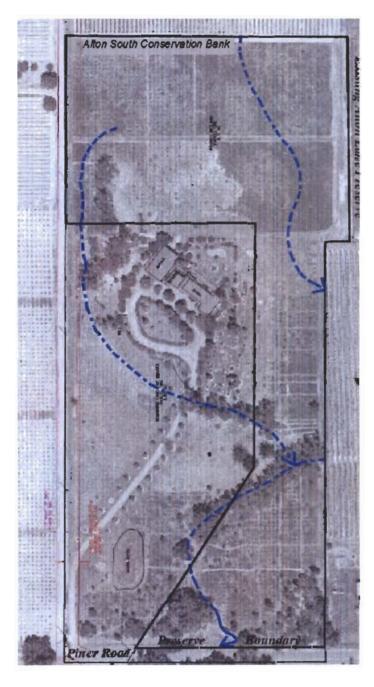


Figure 2. Surface drainage patterns at Alton South Conservation Bank.

III HABITAT AND SPECIES DESCRIPTION

A Vegetation Communities, Habitats and Plant Species

The ASCB supports a mosaic of habitats subject to the jurisdictional authority of the federal (U.S. Army Corps of Engineers) and state (Regional Water Quality Control Board) governments (Figure 3) distributed across a large, ruderal, annual grassland habitat dotted with abandoned vines and prune trees and scattered ornamental and native trees.

Seasonal Wetlands

Approximately 0.63 acre of seasonal wetland habitat subject to the jurisdiction of the U.S. Army Corps of Engineers occurs on the property. The seasonal wetlands occur almost entirely in the swales or in very shallow headwater depressions. They are very shallowly inundated and, as a result, show little range in plant species composition. They were disturbed in the installation and maintenance of the vineyard, but when compared with the swale through the vineyard to the north show considerable recovery in terms of both total cover and species composition. The species present in these seasonal wetlands are typical of the habitat on the Santa Rosa Plain where the gradient is relatively steep. The dominant species are ryegrass (Lolium perenne), Mediterranean barley (Hordeum marinum ssp. gussoneanum), California oatgrass (Danthonia californica), curly dock (Rumex crispus), and soft chess (Bromus hordeaceus). Subdominant species include California buttercup (Ranunculus californicus), sheep sorrel (Rumex acetosella), tall flatsedge (Cyperus eragrostis), tall fescue (Festuca arundinacea), slender oats (Avena barbata), and other upland species found in the annual grassland on the Santa Rosa Plain.

The narrow swale sections at the southern end of the proposed preserve vary in width from three to six feet. Reaches that are partially covered by the overhanging eucalyptus are undervegetated and littered with bark and fallen leaves. The dominant species include tall flatsedge, tall fescue, curly dock, and penny royal (Mentha pulegium). In some locations, the swales pass beneath thickets of Himalaya berry (Rubus discolor). At the far southern limit, fluellin (Kicksia spuria), epilobium (Epilobium cleistogamum), yellow water cress (Rorippa curvilisqua), and rabbitsfoot grass (Polypogon monspeliensis) also occur in the swale.

Upland Vegetation

The upland vegetation in the northern half and the narrow north-south limb of the proposed ASCB is a ruderal "annual grassland" habitat that reflects the long-term disturbance associated with vineyard operations. In the southern half of the ASCB, the vegetation is a mosaic of tree-and shrub-dominated types within which are interspersed small patches of annual grassland.

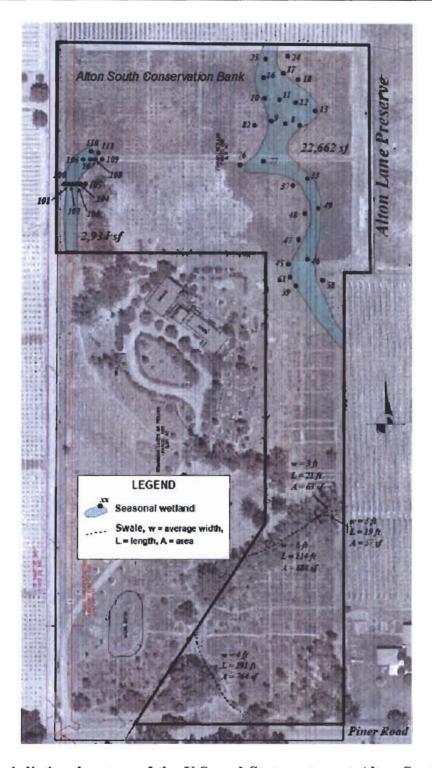


Figure 3. Jurisdictional waters of the U.S. and State waters at Alton South Conservation Bank.

The annual grassland is, in its current condition, typical of the type that occurs throughout the Santa Rosa Plain. This description of the vegetation is, however based on data collected during the late fall (2005) when subdominant and small species are less readily observable. The dominant species include perennial ryegrass, soft chess, two species of vetch (Vicia sativa, V. cracca), filarees (Erodium cicutarium, E. botrys), rattlesnake grass (Briza minor, Briza maxima), tarweeds (Madia elegans, Hemizonia congestum), ripgut brome (Bromus diandrus), and, in a few small areas, medusa head (Taeniatherum asperum). Subdominant species include California oatgrass, slender and wild oats, fireweed (Epilobium paniculatum), hedge bindweed, Mediterranean barley, rough and smooth cat's ear (Hypocheris radicata and H. glabra), cutleaf geranium (Geranium dissectum), and bur clover (Medicago polymorpha).

Scattered throughout the grassland in the northern part of the ASCB are the abandoned vines (*Vitus vinifera*), a few coyote brush (*Baccharis pilularis consanguinea*), a privet hedgerow, and a stand of eucalyptus (*Eucalyptus globulus*).

In the narrow limb that connects the northern with the southern parts of the proposed ASCB, the previous landowner planted a half-dozen cypress (Cupressus sp, species not determined) and coast live oak (Quercus agrifolia), a valley oak (Quercus lobata), and a pair of cotoneaster (Cotoneaster pannosa). In this limb a few of the abandoned vines also remain in the grassland matrix.

In the southern part of the proposed ASCB, many more of the vines remain and the habitat appears to be dominated by these vines, shrubs, and planted and native trees. The trees include eucalyptus, valley, coast, and blue (Quercus douglasii) oak, the eucalyptus and valley oak typically 20 - 40 feet tall and the coast and blue oaks typically 12- 20 feet tall, and occasionally growing in the eucalypus understory with eucalyptus saplings. Some blackwood acacia (Acacia melanoxylon) and fruit trees (Prunus spp.) line Piner Road. Poison oak (Toxicodendron diversiloba), coyote brush, and Himalaya berry (Rubus discolor) are also scattered through the southern part of the proposed ASCB.

B Animal Species

No specific information has been collected on more common animal species on the ASCB. Information will be compiled during field site visits and other information sources.

C Endangered, Threatened, and Rare Species

California Tiger Salamander (Ambystoma californiense)

No surveys were conducted for aquatic invertebrates nor were adult or larval surveys conducted for the CTS. Gopher mounds and holes are common and provide potentially suitable aestivation habitat for the CTS. CTS are known to occur in vernal pools created in the northwest corner of the existing Alton Lane Preserve and the ASCB is well within the migratory distance for juvenile and adult CTS. There are no physical or other barriers to migration between the ASCB and these

known CTS breeding ponds and the ASCB provides a suitable aestivation and migration habitat. CTS are assumed to be present on the ASCB.

Special-status Plants

Special-status plant species surveys were conducted in 2006 and 2007 and no special-status plant species were observed in the seasonal wetland habitat at the ASCB. Target special-status species will be those listed in the Santa Rosa Plain Vernal Pool Ecosystem Preservation Plan (CH2M Hill 1996) and which, by virtue of their known occurrence in the vicinity, their habitat requirements, and the types of habitat on the ASCB site, were considered to have the potential to occur on the site and are listed below along with notes on the suitability of habitat at the ASCB for each species:

- Sonoma alopecurus (*Alopecurus aequalis* var. *sonomensis*) no suitable habitat occurs on the ASCB.
- Bent-flowered fiddleneck (*Amsinkia lunaris*) the upland habitat may provide suitable habitat, but it has been disturbed annually.
- Sonoma sunshine (*Blennosperma bakeri*) good-quality habitat is absent on the proposed ASCB site, but the species is present in the existing adjacent Alton Lane Preserve. Marginal habitat occurs in the main swale in the north part of the ASCB.
- Bogg's Lake dodder (*Cuscuta howelliana*) parasitic species on many vernal pool species, particularly *Eryngium*, which is not present on the ASCB.
- Dwarf downingia (*Downingia humilis*) no suitable habitat is present on the ASCB site.
- Burke's goldfields (*Lasthenia burkei*) good-quality habitat is absent on the ASCB site, but the species is present in the existing adjacent Alton Lane Preserve. Marginal habitat occurs in the main swale in the north part of the ASCB.
- Sebastopol meadowfoam (*Limnanthes vinculans*) no suitable habitat is present on the ASCB site. No vernal pools are present, and the period of inundation in the existing wetlands is insufficient.
- Many-flowered navarretia (*Navarretia pleiantha*) no suitable habitat is present on the ASCB site.
- Gairdner's yampah (*Perideridia gairdneri* ssp. *gairdneri*) suitable soils are not present on the ASCB site.
- Small-flowered mesamint (*Pogogyne douglasii* ssp. *parviflora*) no suitable habitat is present on the ASCB site. No vernal pools are present, and the period of inundation in the existing wetlands is insufficient.
- Lobb's aquatic buttercup (*Ranunculus lobbii*) no suitable habitat is present on the proposed ASCB site. No vernal pools are present, and the period of inundation in the existing wetlands is insufficient.

• Showy Indian clover (*Trifolium amoenum*) – the upland habitat on the ASCB site provides marginally suitable habitat, but the species was not observed during wetland surveys.

IV MANAGEMENT AND MONITORING: ELEMENTS, GOALS AND TASKS

The following section provides details of the interim management and monitoring at the ASCB site. Interim management and monitoring issues are classified into Super Elements and Elements. Each numbered Element has one to several goals and a list of specific tasks for implementation.

Implementation of activities will generally follow the *Annual Task Schedule* (Table 1 at end of this section) and utilize the standardized *Management and Monitoring Reporting Forms*, which are presented in Section VI of this document. The standard forms will be used for recording of information identified in each task.

A Super Element 1 – Biological Resources

Element 1-1: Lasthenia burkei

The 0.78 acre of constructed vernal pools will be inoculated with *Lasthenia burkei* with the goal of establishing *Lasthenia burkei* populations in the constructed pools.

- <u>Goal</u> Monitor population status and trend of *Lasthenia burkei* populations in the constructed vernal pools.
- Goal Management to maintain and enhance habitat for Lasthenia burkei.
 - Task annual monitoring surveys of the constructed vernal pools and existing seasonal wetlands using quadrats. The number of *Lasthenia burkei* and total cover by vegetation by species will be determined in each quadrat. A semi-quantitative measure of the cover of each species will be employed, including *Lasthenia burkei*, using cover classes of the type employed with the releve method (i.e., 0 1 percent, 1 5 percent, 2 25 percent, 25 50 percent, 50 75 percent, 75 95 percent, and 95 100 percent).
 - Task Visually observe pools for changes to *Lasthenia burkei* habitat, such as changed hydrology or vegetation composition. Record any observed changes.
 - Task Implement other tasks that enhance or monitor habitat characteristics for *Lasthenia burkei*, including Elements 1-3, 1-4 and 1-5.

Element 1-2: Constructed Vernal Pool Habitat

- <u>Goal</u> Measure performance of constructed vernal pool habitat.
- <u>Goal</u> Management to maintain constructed vernal pool habitat.
- Goal Management to maintain and enhance existing habitats.
 - Task Monitor status of constructed vernal pools annually by two parameters: hydrologic function and vegetation.
 - Hydrologic function staff gauges will be installed and water levels in each created pool measured (nearest 0.1 ft.) on average every two weeks.
 - Vegetation: implement vegetation monitoring program described in Element 1.2 and compare vegetation composition to previous years composition.
 - Task Implement other tasks that enhance habitat characteristics of seasonal wetlands, including Element 1-4 and 1-5.

Element 1-3: CTS Habitat

CTS are likely to traverse the site during seasonal migration to breeding habitat at the adjacent Alton Lane Preserve. The seasonal wetlands at the ASCB do pond deep enough or for sufficient duration to support development of CTS larvae.

- Goal Manage upland habitat to maintain and enhance habitat for CTS.
 - Task Visually observe the site for changes to CTS habitat, such as burrow abundance, vegetation height and composition, following removal of the grape vines and other exotic trees and shrubs. Record any observed changes.
 - Task Approximate the abundance of aestivation sites annually during the initial monitoring period by counting gopher mounds, gopher holes, and other potential aestivation sites.

Element 1-4: Invasive Species

On ASCB, several species could interfere with the establishment of native plant species and are unwanted. These include ryegrass, prostrate manna grass, pennyroyal, swamp timothy, field bindweed, barnyard grass, and Harding grass. Alton Preserve, LLC will develop and implement an invasive plant species plan as part of the overall Vegetation Management Plan that will be developed by Alton Preserve, LLC.

Control of invasive plants may, on occasion, and if approved by the Service and CDFG, include the use of specific herbicides. Prior to any use of herbicides to control exotic vegetation during the interim management period, which is anticipated to be the first five years of the bank following completion of construction of the seasonal wetland habitat, an invasive plant control plan would be submitted to the Service and CDFG for approval. The plan would identify the target species, non-chemical control methods to be used, herbicide(s) proposed to be used, application methods, and any anticipated collateral effect the herbicide may have on non-target vegetation or other biotic resources. If the target species occurs in the seasonal wetland habitat, such as pennyroyal or prostrate mamma grass, no herbicide application would occur until the wetlands are dry and the native vernal pool species have set seed. Only herbicides approved for use in aquatic areas would be applied in this situation. Whenever possible, a wick applicator to apply the herbicide will be utilized. Herbicides will only be applied during the late spring, summer, or early fall months, when CTS are known to be below ground to avoid the likelihood of CTS coming into direct contact with the herbicide during the period of time the herbicide is active. Only herbicides with a short active period, on the order of days or weeks, will be used to eliminate the possibility that CTS would come into contact with the herbicide during their migrations to and from the breeding ponds.

Control of Ryegrass

Ryegrass can be controlled by increasing the period of inundation. Soil compaction may also be effective in reducing ryegrass productivity. Soil compaction may also promote native species diversity and cover by lowering the height of ryegrass.

Control of Prostrate Manna Grass

Before the seedheads mature and are ready to shatter, the culms of prostrate manna grass bend to the ground and the plants become prostrate, placing the seedheads two to three feet from the Where the heads shatter, new plants become established. The pattern of establishment repeats itself until the species has both expanded outward from initial establishment points and grown back to recover the intervening ground as well. The result: a thick net which reduces the space available for native plants to germinate and complete their life cycle. Prostrate manna grass is a perennial species apparently well-adapted to long periods of inundation. Therefore, an increase in period of inundation will not control prostrate manna grass. Because the species is deeply rooted, control might be possible by reducing soil depth and productivity. Soil compaction may also provide a means for reducing prostrate manna grass cover and controlling the species. Although the species has no leaf mass, spike rush is one native vernal pool species that appears to fare relatively well when growing in association with prostrate manna grass. Observations on the Santa Rosa Plain (Stromberg and Talley, personal observations) suggest that, through its uptake of water and nutrients, spike rush may modify the rooting environment in which it grows with prostrate manna grass and reduce its rate of growth and seed production. Grazing may also be useful in controlling prostrate manna grass and ryegrass.

Control of Harding Grass

Harding grass is a perennial grass that forms large clumps with short rhizomes around the base. Local observations indicate the species is shunned by milk cows and heifers. The dominance of Harding grass in a plant community is often related to its ability to increase its biomass and spatial influence through tillering. As a result, it forms dense stands that can eliminate all other species. It has a broad ecological tolerance and has been observed growing in eight inches of water, on top of dry rubble piles, under redwood trees, through Himalaya berry, and in both wetland and upland habitat in Sonoma County.

Control of the species is possible through mechanical and chemical means as well as burning. In general, frequent removal of herbage during the active growth period of Harding grass reduces total biomass and promotes mortality. Burning the vegetative shoots of Harding grass during the winter can reduce subsequent growth for about two years and allow more competitive fire-adapted plants to increase their density and biomass. Several herbicides are effective in controlling Harding grass, although relatively high rates are necessary. At 3.4 kg/ha, the following herbicides achieved good control of six-week-old seedlings: 2,4-D amine; 2,4-D ester; dicamba, picloram; and 2,4-D plus atrazine. The pre-emergent herbicides naptalam, vernolate, alachlor, diphenamid, and trifluralin provide good control at rates of 1 kg/ha.

Harding grass may be eradicated by digging the plants out, but the effort is very labor intensive and can disperse roots that may re-sprout.

Control of Spiny Cocklebur

Spiny cocklebur is becoming a growing challenge on grazing lands throughout the Santa Rosa Plain. This species, which tends to grow in degraded wetlands, is not palatable to either cattle or sheep at any stage. The spines on the plant and seed pods are harmful to young lambs' and calves' eyes and can trigger pink eye, particularly in lambs in fields where mature plants are relatively dense. The spiny seed pods also hook onto the coats of sheep and cattle and can be difficult to remove. In sheep, cocklebur seed pods can render the wool worthless. The spiny seed pods also can puncture the skin causing abscesses, and too many abscesses can affect the salability of the meat from the livestock.

Control of the species is possible by burning the plants using a propane torch on individual plants early in the growing cycle and often during the growing season to prevent development of the spiny seed pods. During subsequent springs as the new plants emerge, they can be removed by hand.

<u>Goal</u> – Identify which invasive species are most readily available to eradicate or control.

Goal - Develop and implement treatments for invasive species as funding allows.

Goal - Identify grape vines and other non-native trees, shrubs, and other vegetation

removed from the site and identify those that are re-sprouting.

- Task Once annually, at appropriate time, generally spring, document primary areas, if any, with significant invasive species populations, or where grape vines and other non-native trees, shrubs, and other vegetation removed during site preparation are re-sprouting. Identify species and map general area of population.
- Task Prioritize treatments and maintain a priority list, updated at least annually, based on: 1) location and distribution of targeted invasive species, 2) potential threat of the species and candidate treatment impact upon CTS, *Lasthenia*, and wetland habitats, 3) probability of treatment success, and 4) cost of treatment.
- Task Implement specific treatments methods.

Element 1-5: Vegetation Management and Enhancement

Much of the ASCB supports abandoned grape vines and various native and non-native shrubs and trees have been planted on a portion of the site. The site has not been subject to grazing in recent years due to the presence of the grape vines, but these and other undesirable trees and shrubs will be removed as part of the enhancement of the site. Alton Preserve, LLC will develop a Vegetation Management Plan, which will include a grazing plan, and a mowing plan. CDFG will implement the grazing plan upon completion of construction of the seasonal wetland habitat. If there are delays in initiation of grazing, the mowing plan will be implemented to control vegetation growth during the initial five-year interim management period.

<u>Goal</u> – Remove invasive plant species.

Task – Remove grape vines and other non-native trees, shrubs, and other plants.

B Super Element 2 – Infrastructure and Facilities

Element 2-1: Fences and Gates

Goal – Construct perimeter fence and install one set of gates.

- Task -- conduct survey of site boundary and stake boundary of MCB boundary.
- Task Install 5-strand barbed wire fence around the perimeter of the ASCB according to the specifications developed by CDFG.
- Task Install one set of 8-foot wide gates (16-foot wide opening).

Element 2-2: Other Site Infrastructure

- <u>Goal</u> Repair or replace any culverts, signs, measuring or monitoring devices, temporary structures, grazing related facilities, or other site infrastructure.
 - Task Install signs that: 1) identify the conservation bank; 2) explain what it does; and 3) contain logos of involved agencies.
 - Task During each site visit, record conditions of any culverts, signs, measuring or monitoring devices, temporary structures, grazing related facilities, or other site infrastructure. Record the location, type, and recommendations to implement repair or replacement.
 - Task Maintain culverts, signs, measuring or monitoring devices, temporary structures, grazing related facilities, or other site infrastructure, as necessary, by repairing any damage. Replace other infrastructure as necessary and when funding allows.

D Super Element 3 – Reporting and Administration

Element 3-1: Annual Report

- <u>Goal</u> Provide annual report on activities conducted and general site conditions to agencies and other parties.
 - Task Prepare annual report utilizing standardized Management and Monitoring Reporting Forms and any other additional documentation. Include a summary. Complete and circulate to agencies by November 30th of each year.

Element 3-2: Administration

<u>Goal</u> – No specific administration goal. Conduct other administrative duties as necessary.

V OPERATIONS FUNDING

Alton Preserve, LLC will be responsible for the implementation and funding of the initial management and monitoring costs including the initial monitoring to measure the hydrologic performance of the constructed wetlands and establishment of *Lasthenia burkei* in the constructed pools. A mitigation account will be established by the CDFG and funded by Alton Preserve, LLC that will contain the endowment funding for long-term management of the ASCB.

VI MANAGEMENT AND MONITORING REPORTING FORMS

MANAGEMENT and MONITORING REPORTING FORM - PRIMARY

Staff: Date:
Biological Resources
CTS, Lasthenia burkei, Wetlands, Invasive Species and Grazing (Include and attach BIOLOGICAL ELEMENT REPORTING FORM pages 1 and 2)
Security, Safety, Public Involvement
Research and/or Public Access
Observation:
Action:
Result/Recommendation:
Trash and Trespass
Observation:
Action:
Result/Recommendation:
Fire Control
Observation:
Action:
Result/Recommendation:
Infrastructure and Facilities
Fence and Gate
Observation:
Action:
Result/Recommendation:
Other Infrastructure
Observation:
Action:
Result/Recommendation:

BIOLOGICAL ELEMENT REPORTING FORM – Page 1 of 2 $\,$

Additional pages attached? yes no						
No. of additiona Site: Alton South Conservation Bank	l pages, if applica County: Sono		Date:			
CTS (Go	pher hole abunda	nce)	3.1.0000			
Number of transects: Other potential aestivation sites						
General habitat conditions:						
General observations:						
Comments:						
LASTHENIA- A	attach separate raw					
Summary: NUMBER OF VERNAPIANTS 0 Plants 1-50						
Plants 501-1000 Plant NUMBER OF VERNAL P			00			
Observation:						
Action:						
Result/Recommendation:						
Comments:						
	4127					

BIOLOGICAL ELEMENT REPORTING FORM – Page 2 of 2

Additional pages a	ittached?yesno _						
No. of additional pages, if applicable							
Site: Alton South Conservation Bank	County: Sonoma	Date:					
V	VETLANDS						
Observation:							
Action:							
Result/Recommendation:							
Comments:							
INVA	ASIVE SPECIES						
Observation:							
Action:							
Result/Recommendation:							
Comments:							
	(ANAGEMENT (GRAZI)	,					
Type of vegetation management:							
Average forage heightGrazing Information (if implemented as		natter					
Number of Animals present or Type of grazing animal: Cattle or							
Area of Use:							
Other factors:	2.400						
Observation:							
Action:Result/Recommendation:							
Comments:							

VII REFERENCES

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