



LOS CERRITOS WETLANDS AUTHORITY (LCWA)

LOS CERRITOS WETLANDS STEWARDSHIP PROGRAM

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Table of Contents

I.	<u>Introduction</u>	
a.	Background.....	2
b.	Los Cerritos Wetlands Authority	2
c.	Vision for Community Stewardship.....	2
II.	<u>Program Objectives and Eligibility</u>	
a.	Program Goals.....	3
b.	Eligible Participants.....	3
III.	<u>Site Overview</u>	
a.	LCWA East Parcel.....	4
b.	LCWA West Parcel.....	5
c.	Hellman Lowlands.....	6
IV.	<u>Stewardship and Management Activities</u>	
a.	Environmental Education and Public Awareness Programming.....	6
b.	Ecological/Geological/Environmental Monitoring and Research.....	7
V.	<u>Site Maintenance and Restoration</u>	
a.	Tree Trimming.....	9
b.	Weed Management	9
c.	Trash Management.....	9
d.	Site Security.....	9
e.	Homeless Remediation.....	9
f.	Road Maintenance.....	10
g.	Management of Non-beneficial Uses.....	10
VI.	<u>Criteria for Approving Activities on LCWA Properties</u>	10
VII.	<u>Acquiring Permission to Participate in Los Cerritos Wetlands Stewardship Program</u>	
a.	Protocol for all Public Programs.....	11
b.	Protocol for Bird Surveys.....	12
c.	Protocol for Habitat Restoration Events.....	12
d.	Protocol for Trash Cleanup Events.....	13
VIII.	<u>Volunteer Guidelines</u>	14
APPENDICES		
	Appendix A: Flora and Fauna List for LCWA Properties.....	15
	Appendix B: Application for Access to LCWA Lands for Public Event.....	17
	Appendix C: Application for Access to LCWA Lands for Scientific Research.....	18
	Appendix D: LCWA Resolution 2011-07: Amendment to merge Phase 1 Habitat Maintenance Scope of Work and the Interim Stewardship and Management Program into the LCWA Los Cerritos Wetlands Stewardship Program.....	19

Preface

The LCWA Los Cerritos Wetlands Stewardship Program (LCWSP) is designed to promote community involvement with environmental education, maintenance, restoration, and monitoring of the wetland areas owned by the LCWA, lease agreements and future acquisitions. This program puts forth guidelines to ensure volunteers, consultants, lessees and anyone entering utilizes the land appropriately and performs safe and lawful services.

I. Introduction

a. Background

The wetlands in the Los Cerritos Complex have been sought by public agencies and environmentalists for habitat protection and restoration for over twenty years. The Board of Governors of the Southern California Wetland Recovery Project has identified acquisition of these properties as a top priority; given these wetlands is one of the few remaining opportunities in southern California for restoration of estuarine habitat. Although the Los Cerritos Wetlands are surrounded by urban development, and have been dramatically altered, they provide valuable habitat to a number of wetland obligate organisms and species of special concern.

b. The Los Cerritos Wetlands Authority

In February of 2006, a joint powers agreement was adopted among the Rivers and Mountains Conservancy, State Coastal Conservancy, City of Long Beach, and City of Seal Beach. The agreement established the Los Cerritos Wetlands Authority (LCWA). The purpose of the LCWA is to provide for a comprehensive program of acquisition, protection, conservation, restoration, maintenance, and environmental enhancement of the Los Cerritos Wetlands area consistent with the goals of flood protection, habitat preservation and restoration, improved water supply, water quality, groundwater recharge, and water conservation. The LCWA has the ability to acquire and own real property, although it does not have the power of eminent domain. A second major purpose of the LCWA is to conduct restoration planning and implement that restoration. In order to accomplish this mission, the involvement of the surrounding community will be integral. Therefore, the LCWSP was developed to offer guidelines to ensure the consistent use of the best management techniques by everyone utilizing the LCWA properties.

c. Vision for Community Stewardship

In June 2006 the LCWA acquired ~67 acres of land within the Los Cerritos Wetlands Complex, which marked the first purchase of land within the complex for the purpose of wetlands restoration. The LCWSP is the initial viable step in a series of planning efforts for this recently acquired land, as well as future acquisitions. This plan is intended to serve as a comprehensive land management program which will manage access, education, maintenance, and restoration opportunities.

II. Program Objectives and Eligibility

a. *Program Goals*

1. Provide public access and educational opportunities compatible with wetlands habitat conservation.
2. Encourage public appreciation of the Los Cerritos Wetlands by fueling a growing awareness of their importance and providing opportunities for community members to help steward these resources.
3. Encourage research projects designed to help us learn more about this precious wetlands resource, without impacting existing habitats.
4. Develop an ecological monitoring program.
5. Develop a program to manage exotic weeds, trash and debris.
6. Compliment, advance, and focus existing stewardship activities being undertaken in and around the Los Cerritos Wetlands area.
7. Redirect non-beneficial uses and activities related to the health of the wetlands by establishing of a sense of ownership amongst local citizens.
8. Implement informative signage to reduce unpermitted access and increase public awareness.
9. Allow for networking opportunities between public interest groups, educational institutions, wetland scientists, and project mangers

b. *Eligible Participants*

1. Educational Institutions: K-12 school groups, religious groups, university groups, home school groups, public education groups.
2. 501(c)3 Non-Profit Organizations.
3. Research Groups or Individuals: private or university based researchers.
4. Naturalists: birders, botanists, marine biologists, environmental scientists, geographers, trackers and the general public, local, state and federal agencies.



The Los Cerritos Wetlands Stewards, a local non-profit, organized a successful clean-up at Zedler Marsh.

III. Site Overview

Los Cerritos Wetlands are the last frontier of coastal salt marsh conservation in southern California. They are a nationally and regionally significant natural area that historically covered 2400 acres along the border of Orange and Los Angeles counties, but only approximately 500 degraded acres of LCW remain undeveloped today. For over twenty years, the conservation and restoration of these wetlands have been the focus of public agencies and environmental advocates who seek to save the last privately owned salt marsh in southern California from development. In June 2006 the LCWA purchased from the Bryant family 67 acres straddling the San Gabriel River in Long Beach at the heart of Los Cerritos Wetlands. Likewise in December 2010 the LCWA purchased from the Hellman family 100 acres in Seal Beach commonly known as the Hellman Lowlands and when added to a 5-acre industrial property (known as the OTD Parcel), dedicated to the LCWA by Edison, total the acreage to 172 acres of land in the public trust.

a. *LCWA East Parcel*

The East Parcel is located just east of the River and west of the Haynes Cooling Channel on a narrow piece of land often referred to as “The Isthmus”. Though this parcel is east of the San Gabriel, it is still within the Long Beach City limits. This property is a total of 26 acres, of which several acres receive limited tidal influence from the San Gabriel River. The LCWA owns 15 acres on the East Parcel. The LCWA property includes a small tidal marsh area and a larger area composed of degraded former wetland habitat that is either unvegetated or colonized by native upland plants and non-native weeds. The San Gabriel River bike trail provides access adjacent to the LCWA property and offers views of the functioning salt marsh ecosystem that exists here. An easement, via 2nd Street, provides road access to the LCWA property through retained Bryant land.

A small tidally influenced area in the east parcel, named Zedler Marsh, is located on the LCWA property and offers the best opportunity for habitat stewardship, education, and nature appreciation. The Marsh attracts and supports a variety of wildlife. It provides critical breeding habitat for the endangered Belding’s savannah sparrow (*Passerculus sandwichensis beldingi*) and foraging habitat for the endangered California least tern (*Sterna antillarum browni*) amongst other species of special concern. Appendix A offers a current listing of the organisms found on this parcel.



Zedler Marsh

A 2 foot wide culvert connects Zedler Marsh to the apex of the San Gabriel River less than one mile before it empties into the Pacific Ocean. The San Gabriel River watershed covers approximately 640 square miles of land spanning over 37 cities. About 26% of this watershed's total area is urbanized. As a result, Zedler Marsh is exposed to the literally tons of trash that wash down the River each year. Furthermore, just upstream both the AES and Haynes power plants discharge their cooling water directly into the river. It is permissible for the temperature of this discharged water to be as high as 105 °F.

The southern portion of the LCWA property is used by Signal Hill Petroleum for oil operations. There are five oil wells in use on the East Parcel and several other oil related buildings and equipment. The south end of the property is not open to the public.

b. LCWA West Parcel

The West Parcel is a triangle of land located just west of the River, south of 2nd Street, and east of Bixby Ranch Company owned land. There currently is no tidal influence on the west parcel, and the LCWA has no official easement into this property. The Bryant's still privately own the land bordering 2nd street. Therefore the west parcel is presently inaccessible to the public, so all stewardship activities must take place on the east parcel until easements are obtained or other arrangements procured.



Seasonal brackish marsh on LCWA West Parcel

Though there are no tidally influenced areas on this part of the property, there are areas that collect water and act as seasonal freshwater or brackish ponds. The salt marsh plant community is noticeably less diverse than what is found in Zedler Marsh, however, the Belding's savannah sparrow still utilizes the degraded habitat. The topography is relatively homogenous throughout the 40 acres of land, leading to an overlap between degraded salt marsh, brackish marsh, upland, and non-native plant communities. Appendix A offers a current listing of the organisms found on this parcel.

Several roadways crisscross through this property so that Signal Hill Petroleum can access their seven oil wells. Signal Hill Petroleum has an agreement with the Bixby Ranch Land Company to access the parcel via their property. Consequently, the parcel is off-limits to the public unless prior permission has been granted by the Bixbys.

c. Hellman Lowlands

The Hellman Lowlands is a vast swath of coastal habitat that has long been mistreated and ignored. This former estuary turned beet farm, cattle ranch, oil field and dredge spoil depository is southern California's newest wetlands wildlife sanctuary. This site was purchased in early 2011 for \$5.1 million, and now the LCWA must provide proper management of the 100 acres and work towards reversing past degradation through current community-based efforts and a future large-scale restoration project. This property is just east of the Haynes Cooling Channel and is bordered by an active oil field to the north and house developments and a public park along its southeast border. The land is bisected by a long tidal channel that will be the focus area for this project. This 40 acres of tidal salt marsh habitat is home to about 15 breeding pairs of Belding's savannah sparrows and several populations of rare plants like Coulter's Goldfields (*Lasthenia glabrata coulterii*), Lewis' primrose (*Camissonia lewisii*), southern tarplant (*Centromadia parryi ssp. australis*), and California Boxthorn (*Lycium californicum*). Unfortunately, the site is laden with construction debris and is hindered by clogged tidal connections that limit its ecological value and threaten existing populations of the aforementioned rare wetlands organisms.

IV. Stewardship and Management Activities

As outlined in our objectives, the purpose of this program is to promote a variety of avenues for the public involvement. Each of these endeavors are important, however, some will require the participation of trained individuals, while other activities will be available to the general public.

a. Environmental Education and Public Awareness Programming

These activities will connect local citizens and interest groups with the Los Cerritos Wetlands and will create a venue for the public to become directly engaged with this natural resource. The LCWA reserves the right to terminate site access permission due to unsafe, unpermitted, or disruptive land uses. A public event application is included in Appendix B of this document.

Following is a list of the available educational opportunities:

1. Self-guided tours along the San Gabriel River Bike trail allows for a view of the entire Eastern Parcel, the adjacent River, and parts of the Western Parcel from a distance. (no permission required)
2. School field trips, public nature tours, and other environmental education events may be organized by local schools, by community non-profits, or other interest groups. (application & orientation required)
3. Regular nature tours and clean-ups organized by LCWA staff will allow for the public to access the land in a managed manner and will provide the public with a detailed background of the site's current state and future plans. (sign-up required)
4. Wetland clean-up or enhancement events organized by local schools or by community non-profits are encouraged because they promote education, while supporting site maintenance programs. For any public clean-up events, it is required that a detailed list of activities and tools being used are provided to the LCWA (application and orientation required)



Young volunteers learning about Zedler Marsh.

b. Ecological/Geographic/Environmental Monitoring & Research

All monitoring data collected on LCWA land must be provided to LCWA in a timely manner after collection and shared with other interested parties by request. Researchers interested in collecting data on LCWA land must receive permission; a research application is included in Appendix C of this document. Any research reports generated by data collected on LCWA land must also be shared in a timely manner. Failure to do so will result in the loss of site access permission. The LCWA also reserves the right to terminate site access permission due to unsafe, unpermitted, or disruptive research practices.



Belding's savannah sparrow (left) and a coyote (right) on LCWA land

Following is a list of the available monitoring or research opportunities:

1. Regular wildlife community surveys (mammals, birds, reptiles, fish, marine inverts, insects, prokaryotes, fungus, etc.) are needed to compile an updated list of the faunal organisms using the site. (permission required)
2. Quarterly vegetative community surveys are needed to compile and updated list of the floral organisms found on site. (permission required)
3. Detailed descriptions and photos of species of special concern utilizing the site are needed to ensure that they are managed correctly (permission required)

4. Native and non-native plant community and species level survey maps are needed to generate a GIS database of the pre-restoration vegetation on site and to aid in invasive plant population eradication programs. (permission required)
5. Updated wetlands (salt, brackish, and freshwater marsh) and upland ecosystem delineation maps are needed to generate a GIS database of the pre-restoration habitat locations. (permission required)
6. Seasonal marine sediment and terrestrial soil analysis (heavy metals, PCBs, DDTs, salinity, organics, composition, etc.) is needed to achieve a baseline of the site's benthic and edaphic environmental quality (permission and qualifications required)
7. Regular water quality analysis (DO, pH, salinity, turbidity, temperature, various pollutants, etc) of the seawater and seasonal freshwater on the property, and in the adjacent river, is needed to achieve a baseline of the sites aquatic environmental quality. (permission and qualifications required)
8. Topographic and bathymetric elevation surveys of the property are needed to generate a geographic GIS database of the pre-restoration hydrology on site. (permission and qualifications required)
9. General research projects that increase the scientific knowledge base or emphasize management applications for the site are supported by the LCWA. A research application is included in Appendix C of this document. (application required)

V. Site Maintenance and Restoration

Much of the current LCWA land has been ignored, from a habitat maintenance perspective, for many years before being purchased. Major and minor habitat improvement projects are needed on site. Without a comprehensive Wetlands Restoration and Enhancement Plan our restoration practices are limited, but small projects can provide short term habitat improvements and may help prepare the site for future large scale restoration activities.

Following is a list of the available site maintenance and restoration activities:

1. Trash and debris remediation is a constant issue throughout the property. Public clean-up events can help to dramatically curtail this impact. (permission required)
2. Non-native, invasive plant species removal is needed throughout the property to initiate the restoration of degraded native habitats. (permission required)
3. Tree and shrubs such as *Myoporum* and *Acacia* need trimming throughout the property in order to remove fire hazards and attractiveness for homeless encampments. (permission required)

a. Tree Trimming

To prevent establishment of encampments and for fire safety, the consultant will trim all mature non-native trees and shrubs at least 6 feet from the ground. Dead, dying, and immature non-native trees will be removed. Any trees in danger of interfering with utilities will be removed.

Tree Species	Common Name
<i>Myoporum laetum</i>	Cajeput Tree
<i>Washintonia</i> spp.	Fan Palms
<i>Acacia pycnantha</i>	Golden Wattle
<i>Eucalyptus globulus</i>	Blue Gum Tree
<i>Cortaderia selloana</i>	Pampas Grass
<i>Schinus terebinthifolius</i>	Brazilian Pepper Tree
<i>Phoenix canariensis</i>	Canary Palm
<i>Nicotiana glauca</i>	Tobacco Tree

b. Weed Management

To eliminate fire hazards, all dead and/or dying vegetative debris will be removed from the property by the consultant. Special focus will be paid around pipes or other utilities/facilities. The consultant will also remove annual weeds each spring. Different methods will be used depending on the size of the infestation, the species of plant, and the location of the infestation. Manual removal will be utilized with smaller infestations or with weeds growing around ecological sensitive areas or utilities. Weed whackers will be utilized for larger more established infestations in non-sensitive areas.

c. Trash Management

The San Gabriel River, wind, and trespassers are the three vectors that allow trash and debris to enter the property. To prevent trash from entering via the river, the consultant will install a small boom system inside of the culvert of Zedler Marsh. The consultant and LCWA staff will cooperate to organize regular community clean-ups to remove trash that eludes the boom or is blown onto the property from surrounding urban areas. Debris from encampments will be properly disposed by the consultant, with the assistance the City of Long Beach Parks, Recreation and Marine Bureau.

d. Site Security

To prevent trespassing and unauthorized vehicle entrance, Signal Hill Petroleum has agreed to design and install a gate on the East parcel that will separate the Bryant Trust Land from the LCWA Land. Signal Hill Petroleum and LCWA staff will design a plan to improve fencing along the "old bridge" portion of the West Parcel. Ownership signage will be designed by LCWA staff and installed in appropriate areas throughout the property.

e. Homeless Remediation

With incomplete fencing around the property perimeter, enforcement of trespassing is a perpetual task. Regular site visitation and monitoring will occur by all parties to ensure the safety of the oil operations and to assess ecological impacts by any occupants. Encampments within 100 feet of any oil operations will be removed by consultants immediately. Otherwise the trimming of low growing trees and perimeter fencing improvements should keep this from being an issue in the future.

f. Road Maintenance

Signal Hill Petroleum and LCWA staff will work to identify the roads throughout the property that can be retired. In order to ensure safe access to utilities and to reduce dust pollution, Signal Hill Petroleum will identify roads in need of maintenance. Signal Hill Petroleum, with the support of LCWA staff, will pursue the necessary permits required for road repair.

g. Management of Non-beneficial Uses

Many activities occur on the LCWA property that can have negative impacts on the site's natural resources. Currently the land is not patrolled regularly; so the LCWA needs the public to report these non-beneficial uses so that the proper management decisions can be made to better protect the wetlands. Please report any such activities immediately to LCWA staff at (626) 815-1019.

Following is a list of non-beneficial uses that need to be reported:

1. Unauthorized off-roading activities (ATVing, BMXing, mountain bike riding, etc.).
2. Illegal dumping of trash, construction debris, landscaping wastes, or hazardous wastes
3. Trespassing
4. General wildlife endangerment
5. Nesting habitat encroachment during breeding season (Feb-June)
6. Unapproved animal practice (dog walking, dog training, falconry, horse-back riding, etc.)
7. Hunting or Fishing
8. Camping or permanent inhabitation
9. Unpermitted habitat alterations (dredging, filling, mowing, burning, etc)
10. Bonfires or barbeques

VI. Criteria for Approving Activities on LCWA lands

Needs to be...

- ...consistent with the LCWA Mission.
- ...consistent with the wetland restoration purposes for which the land was acquired.
- ...consistent with the adopted LCWA Interim Stewardship and Management Program regarding the safety of participants.
- ...lawful (CEQA, CESA, CDP, ESA, MBTA, NEPA, 404, 1601, WQ, encroachments).

It should...

- ...provide a benefit to the resources on the site.
- ...increase the scientific knowledge base or emphasize management applications for the site.
- ...provide an educational benefit to the participants.
- ...have a manageable and appropriate number of participants for the subject activity and site, and supervision be satisfactory.

It cannot...

- ...impact or disrupt any listed or sensitive species, sensitive habitat or cultural resources? (specific location, time of year, duration, methods of the activity are evaluated)
- ...take place in wetlands areas during nesting season (February-June)
- ...result in a "gift of state"? (i.e. someone cannot make a profit by the activity)

Examples of generally approved activities on LCWA land:

- Habitat improvement projects (biological/geological surveys)
- Educational fieldtrips (public tours, school group trips)
- Research projects and academic studies
-

Examples of activities generally NOT approved on LCWA land:

- Competitive events (sporting events, athletic races, animal shows)
- Filming (commercials, television, films)

VII. Acquiring Permission to Participate in Los Cerritos Wetlands Stewardship Program

1. Contact LCWA staff at 626-815-1019 to receive direction on how to submit an application or how to sign up for an event.
2. If requested, complete application and return to LCWA staff (researchers will be required to submit a project proposal).
3. If application is approved, schedule and attend an on-site orientation.
4. Once orientated, provide LCWA with schedule of use that details the time of activities, tools to be used, and areas of use.
5. Contact LCWA staff at least 24 hours before accessing the property. (72 hours for public events)

NOTE: The LCWA reserves the right to terminate site access permission due to unsafe, unpermitted, or disruptive land uses.

a. Protocol for all Public Programs

Propose dates for all regularly scheduled public events at least 4 months in advance.

Check availability of organizational partners for proposed dates

Finalize program dates

Develop themes, topics and location for each event

Determine personnel needs to accomplish tasks

Perform public relations

Create flyer and post on websites

Update Google calendars

Email blast to database

Update Facebook pages

Press releases

Banners

Make presentations to community

Paper the house

One week before event

Send out reminder email to personnel, partners and volunteers

Make sure all necessary materials are accounted for (i.e. tools, liability sheets)

b. Protocol for Bird Surveys

Before Event

- Have birders scheduled
- Have one designated locale for meeting
- Have data collection sheet ready for each event
- Liability Form filled and ready
- Contact Landowners/Signal Hill Petroleum

During Event

- Remember to take photos
- Sign all participants in on liability sheets
- Thank everyone for their participation and attendance
- Introduce the Stewardship program and purpose of Bird Surveys to participants
- Introduce Leaders (Audubon, LCWA, etc)
- Go over game-plan and safety concerns with participants
- Distribute binoculars and other materials
- **Five minutes after start time:** Before escorting participants along 2nd street, explain the land and safety concerns during the walk to the site
- Collect data on different species, number of species, location, etc
- Stay on designated roads

After Event

- Thank everyone for their participation and attendance
- Collect binoculars and other program materials
- Mention future events and distribute flyers to those who want them
- Take group photo
- **20 minutes prior to end:** Organize and lead group back
- Put photos on facebook
- Insert data of participants into admin excel database(numbers, emails, hours, etc)
- Insert emails into database
- Insert data on e-bird website
- Email database with thank you's and info from last event(s)/link to photos and data/upcoming events to participants on bird survey database once a month no later than the 15th of each month
- Email All scanned copies of data sheets, signed liability and all other forms used to LCWA

c. Protocol for Habitat Restoration Events

Before Event

- **One Week prior:** Survey site to determine event objective based on work-plan, constraints, timeline and other priorities
- Have game-plan of work to be accomplished one week prior and report to crew
- Have Leaders scheduled
- Have liability collection sheet ready for event
- Contact Landowners/Signal Hill Petroleum
- Have tools and materials on site one half-hour prior to event

During Event

- Remember to take photos
- Sign all participants in on liability sheets
- Thank everyone for their participation and attendance

- Introduce the Stewardship program
- Introduce Leaders (Audubon, LCWA, etc)
- **Ten minutes after start time:** Before escorting participants along 2nd street, explain the land and safety concerns during the walk to the site
- Ideally, one leader leads the group and one leader takes up the rear to keep the group together
- Go over game-plan and safety concerns with participants
- Distribute necessary safety materials and tools
- Delegate leaders to organize smaller groups if larger groups necessitate
- Stay on designated roads and work-sites

After Event

- Thank everyone for their participation
- Mention future events and distribute flyers to those who want them
- Take group photo
- **20 minutes prior to end:** Organize and lead group back
- Put photos on Facebook
- Insert number of volunteers/hours into admin excel database
- Insert emails into database
- Email database with thank you's and info from last event(s)/link to photos/upcoming events to participants on restoration database once a month no later than the 15th of each month
- Generate restoration report for LCWA staff. Example of LCWA staff report: At xx date at xx time we had xx people work for xx hours doing xx task at a independent sector equivalent of \$20.25 for a total of xx of in-kind services. We are xx on our timeline with xx more to do.

d. Protocol for Trash Cleanup Events

Before Event

- **One week prior:** make sure SHP is aware and check on status of trash bin
- **One week prior:** Survey site to determine event objective based on work-plan, constraints, timeline and other priorities
- Have game-plan of work to be accomplished one week prior and report to crew
- Have Leaders scheduled
- Have liability collection sheet ready for event
- Place directive signs (where to stop, what to be concerned with, leave bags next to dumpster)
- Meet with Save Our Beach one half-hour prior to event and bring pickers, liability sheets and event fliers, scale, leader designation clothing
- SOB will bring: bags, latex gloves, coupons, shade structure, table hand sanitizer

During Event

As participants arrive:

- Remember to take photos
- Sign all participants in on liability sheets
- Thank everyone for their participation and attendance
- Introduce the Stewardship program
- Introduce Leaders (LCWA, SOB, etc)
- Go over game-plan and safety concerns with participants
- Distribute necessary safety materials and tools

- **10 minutes after start:** walk to Calloway marsh and supervise volunteer cleaning of site
- After Calloway is determined to be sufficiently clean, direct group to Zedler Marsh
- After Zedler is determined to be sufficiently clean, corral volunteers and direct group to place their bags next to the trash bin
- Make sure every volunteer is accounted for and has exited Zedler before closing and locking gate
- Focus remaining volunteers to pick up trash around Fisherman area and PCH and River
- **15 minutes prior to end:** get volunteers to collect all extraneous trash bags

After Event

- Thank everyone for their participation
- Mention future events and distribute flyers and coupons to those who want them
- Assist SOB with tear down of their operation
- Weigh the trash
- Throw trash in bin
- Retrieve directive signs
- **Directly after event:** Scan sign in sheets, disseminate data and email to SOB
- Put photos on Facebook
- Insert number of volunteers/hours/trash data into admin excel database
- Insert emails into database
- Email database with thank you's and info from last event(s)/link to photos/upcoming events to participants on trash database
- Generate report for LCWA staff: Example of LCWA staff report: At xx date at xx time we had xx people work for xx hours doing xx task at a independent sector equivalent of \$20.25 for a total of xx of in-kind services.

VIII. Volunteer Guidelines

Individual volunteers must sign a liability waiver, and volunteer groups must be accompanied by an orientated group member or by LCWA staff. Volunteers should use their best judgment when on site and must wear appropriate attire including: shirts and pants at all times, closed-toed shoes with sturdy soles, hats, and sunscreen. It is also the responsibility of volunteers to drink plenty of water to stay hydrated.

Volunteers under the age of 16 must be accompanied by a responsible adult. At all times it is imperative that all volunteers stay clear of any oil operations and equipment occurring on site.

The LCWA assumes zero liability for participants.

Appendix A

Flora and Fauna List for LCWA Properties

Native Plants

*Frankenia salina** - Alkali Heath
*Juncus acutus** - Spiny Rush
*Distichlis spicata** - Salt Grass
*Salicornia virginica** - Pickleweed
*Salicornia subterminalis** - Glasswort
*Salicornia bigelovii** - Annual Pickleweed
*Batis maritima** - Saltwort
*Monanthochloe littoralis** - Shoregrass
*Jaumea Carnosa** - Salty Susan
*Spergularia marina** - sand spurry
*Cressa trunxilensis** - Alkali Weed
*Limonium californicum** - Sea Lavender; Marsh Rosemary
*Triglochin cocinum** - Arrow-Grass
Scirpus spp.- Tule/Bulrush
Typha spp.- Cattail
Malvella leprosa – Alkali Mallow
Isocoma menziesii - Goldenbush
Baccharis salicifolia - Mulefat
Baccharis pilularis – Coyote Bush
Baccharis emorii – Emorys Baccharis
Heliotropium curassavicum – Seaside Heliotrope
Centromadia parryi ssp. *australis* (southern tarplant) Species of Special Concern
Ulva spp.– Sea Lettuce (algae)
*salt marsh plant

Non-Native Plants

Acacia spp.
Eucalyptus spp. – Gum Trees
Myoporum laetum – Lollypop Tree
Raphanus sativus – Wild Radish
Brassica nigra – Black Mustard
Centaurea melitensis - Napa Thistle
Xanthium strumarium – cocklebur
Atriplex semibaccata - Australian Saltbush
Mesembryanthemum nodiflorum – Slender-Leafed Iceplant
Mesembryanthemum crystallinum – Crystalline Iceplant
Salsola sp. - Russian Thistle
Rumex crispus – Curly dock
Cortedaria seloana - Pampas Grass
Washingtonia robusta – Mexican Fan Palm
Phoenix canariensis – Canary Island Date Palm
Riscinus communis – Castor Bean
Carpobrotus edulis – Hottentot Fig
Cotula coronopifolia – brass buttons

Paraphols incruva – Sickle Grass
Polypogon monspeliensis – Rabbits Foot Grass
Nicotiana glauca – Tree Tabacco

Animals

Birds

Belding's Savannah Sparrow – *Passerculus sandwichensis beldingi* endangered species
California Least Tern - *Sterna antillarum brownii* endangered species
California Brown Pelican – *Pelecanus occidentalis* endangered species
Forsters Tern – *Sterna forsteri*
Willet – *Catoptrophorus semipalmatus*
Killdeer – *Charadrius vociferus*
Mallards – *Anas platyrhynchos*
Long-Billed Dowitcher – *Limnodromus scolopaceus*
Turkey Vulture – *Cathartes aura*
Great Blue Heron – *Ardea herodias*
Cliff Swallow - *Petrochelidon pyrrhonota*
Western Kingbird - *Tyrannus verticalis*
Cinnamon Teal – *Anas cyanoptera*
Anna's Hummingbird – *Calypte anna*
Belted King Fisher - *Ceryle alcyon*
Osprey – *Pandion haliaetus*
White Crowned Sparrow – *Zonotrichia leucophrys*
Marsh Wren – *Cistothorus palustris*
Canada Geese – *Branta canadensis*
Snowy Egret – *Egretta thula*
Great Egret – *Ardea alba*
Marbled Godwit – *Limosa fedoa*
White-Tail Kite – *Elanus leucurus*
Buffle Head – *Bucephala clangula*
American Widgeon – *Anas americana*
Black Pheobe – *Sayornis nigricans*
Lagger Head Shrike – *Lanius ludovicianus*
Lesser Scaup – *Aythya affinis*
Double-Crested Cormorant – *Phalacrocorax auritis*
House Finch – *Carpodacus mexicanus*
Mouring Dove – *Zenaida macroura*

Invertebrates

Wandering Skipper – *Panoquina errans* Species of Special Concern
California Horn Snail – *Cerithidia californica*
Striped Shore Crab – *Pachygrapsus crassipes*

Mammals

Coyote - *Canis latrans*
Western Harvest Mouse - *Reithrodontomys megalotis*

Fishes

Topsmelt – *Atherinops affinis*
Stripped Mullet - *Mugil cephalus*

Reptiles

Side Blotch Lizard - *Uta stansburiana*

Appendix B
Application for Access to LCWA Lands for Public Event

<u>1. Applicant Organization</u>	<u>2. Telephone Number</u>
<u>3. Street Address/City/State/Zip</u>	<u>4. Web Address</u>

<u>5. Name, Affiliation, Title, Address, Phone Number, Email of primary individual event organizer</u>
<u>6. Name, Affiliation, Title, Address, Phone Number, Email of secondary individual event organizer</u>

<u>7. Aim & Purpose for Gaining Access</u>
<u>8. Scope of Proposed Activity</u> (include # of individuals, intended audience, equipment being used, duration)
<u>9. Proposed Location of Activity</u> (include map if necessary)

10. Has your organization previously organized an event on LCWA land?	Yes or No
11. Does your organization have Volunteer Liability insurance? <u>If yes, what is the amount of your coverage? _____</u>	Yes or No
12. Has anyone in your organization been given an orientation by LCWA? <u>If yes, what is their name? _____ Will they be in attendance?</u>	Yes or No
13. Will you need vehicle access? <u>If yes, how many vehicles? _____</u>	Yes or No
14. Is your organization a registered 501(c)3 Non Profit?	Yes or No

Appendix C

Application for Access to LCWA Lands for Scientific Research

<u>1. Applicant Organization</u>	<u>2. Telephone Number</u>
<u>3. Street Address/City/State/Zip</u>	<u>4. Web Address</u>

5. Primary Investigator (Name, Affiliation, Title, Address, Phone Number, Email)

6. Investigator in charge of field work (Name, Affiliation, Title, Address, Phone Number, Email)

<u>7. Field Assistant Names</u>	<u>Address</u>	<u>Phone Number</u>	<u>Email</u>

8. Aim & Purpose for Research Activities

9. Scope of Proposed Activity (include detailed proposal of methodology if necessary)

10. Expected Duration of Project

11. Proposed Location of Activity (include map if necessary)

12. Have you previously done research on LCWA land?	Yes or No
13. Have you given an orientation by LCWA?	Yes or No
14. Will you need vehicle access?	Yes or No
<u>If yes</u> , how many vehicles? _____	

Appendix D

December 14, 2011 – Item 7

RESOLUTION 2011- 07

RESOLUTION OF THE LOS CERRITOS WETLANDS AUTHORITY TO
AMENDMENT THE PHASE 1 HABITAT MAINTENANCE SCOPE OF
WORK AND THE INTERIM STEWARDSHIP AND MANAGEMENT
PROGRAM TO MERGE INTO THE LCWA LOS CERRITOS WETLANDS
STEWARDSHIP PROGRAM

WHEREAS, the Los Cerritos Wetlands Authority has been established between the Coastal Conservancy, the San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy, the City of Seal Beach and the City of Long Beach to facilitate the acquisition, protection, conservation, restoration, maintenance and operation an environmental enhancement of the Los Cerritos Wetlands; and

WHEREAS, the LCWA has further been established to focus on projects which will provide open space, habitat restoration, and watershed improvement projects within the Los Cerritos Wetlands; and

WHEREAS, this action will create the Los Cerritos Wetlands Stewardship Program by consolidating interim land management programs for the creation of one comprehensive land management program; and

WHEREAS, the proposed action is exempt from the provisions of the California Environmental Quality Act; NOW

Therefore be it resolved that the LCWA hereby:

1. FINDS that the actions contemplated by this resolution are exempt from the environmental impact report requirements of the California Environmental Quality Act.
2. FINDS that this action is consistent with the purposes and objectives of the LCWA.
3. APPROVES a grant amendment to the Phase 1 Habitat Maintenance Scope of Work and the Interim Stewardship and Management Program to consolidate both programs into the Los Cerritos Wetlands Stewardship Program and necessary budget amendments.
4. ADOPTS the staff report dated December 14, 2011

~ End of Resolution ~

Passed and Adopted by the Board of the
LOS CERRITOS WETLANDS AUTHORITY ON December 14, 2011.

Gary De Long, Chair

ATTEST:

Terry Fujimoto
Deputy Attorney General