

Los Cerritos Wetlands Authority

Date: May 1, 2018

To: Governing Board Members

From: Mark Stanley, Executive Officer

Subject: Item 7: Status Report on Workplan Implementation including Los Cerritos Wetlands Stewardship Program and Los Cerritos Wetlands Conceptual Restoration Plan.

BACKGROUND: At the September 19, 2006 meeting, the Board adopted the Workplan set forth below. An updated description of the status of each workplan item is detailed in the following table:

MAY 2018 WORKPLAN STATUS UPDATE		
LCWA Projects		
Task	Description	Status
Potential Funding Sources		
State Water Board Once-through Cooling Interim Mitigation Funding will depend on mitigation fees collected	The Once-Through Cooling (OTC) Policy requires owners or operators of existing power plants to implement measures to mitigate interim impingement and entrainment impacts resulting from their cooling water intake structures. The interim mitigation period commenced on October 1, 2015 and continues up to and until owners or operators achieve their final compliance deadlines as outlined in the OTC Policy.	Funding will depend on the mitigation fees collected by the State Coastal Conservancy
Wetlands Recovery Project In-Lieu Fee Program Progress Report Funding will depend on mitigation fees collected	Implementation of the proposed Program will provide a potential funding source to implement projects that fulfill the SCWRP goals, thereby generating substantial ecological benefits within the Program's Service Area, while also providing a cooperative mechanism for Compensatory Mitigation that addresses the needs of multiple federal, state, and local agencies.	Funding will depend on mitigation fees collected http://scwrp.org/

Task	Description	Status
Potential Funding Sources		
Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1)	Voters, would authorize \$7.545 billion dollars in general obligation bonds to fund ecosystems and watershed protection and restoration, water supply infrastructure projects, including surface and groundwater storage, and drinking water protection.	Funding is dependent on State Agency Funding Grant cycles http://resources.ca.gov/grants/ http://bondaccountability.resources.ca.gov/p1.aspx
Capital Projects & Initiatives		
Los Cerritos Wetlands Planning and Restoration Project to complete the environmental review of the CRP per CEQA	Determine if the CEQA document should be a Programmatic or Project Specific level analysis.	Funding is provided to conduct CEQA analysis to engage an environmental consultant contract. Environmental Science Associates is under contract and the project kick-off meeting occurred on December 4th. A public workshop occurred on March 28 th at the Mary Wilson Library in Seal Beach California. This workshop focused on educating the public on the planning process and took input on public access. ESA is currently working on the draft optimized restoration plan.
Los Cerritos Wetlands Acquisition of the Bryant Properties	Complete the acquisition of all property owned by the Bryant Family for an addition of 18 acres along the frontage of 2 nd Street- Westminster Avenue added to the property preserved for purity as public.	Staff and Legal Counsel are working with Steve Bryant and Kevin Brazil to complete the final Appraisal Report for a secondary state review for the acquisition of Assessor Parcel Nos 7237-020-053; 054.
Los Cerritos Wetlands LLC Restoration and Oil Consolidation Project	The project would implement a comprehensive wetlands restoration project which will restore a privately-owned oil field in the City of Long Beach through creation of a wetlands mitigation bank. The project includes the relocation of oil operations currently located on the Synergy Site and City-owned property to two off-site properties (LCWA's OTD Parcel and Pumpkin Patch site).	The project was approved by the LB Planning Commission on November 30 th , 2017. It was then approved by the LB City Council on January 16 th , 2018. The project is expected to go before the California Coastal Commission in 2018. LCWA continues to track all other aspects of the project including the mitigation bank and entitlement process.

Task	Description	Status
Capital Projects & Initiatives		
Option Agreement to transfer properties between Los Cerritos Wetlands LLC(LCWLLC) and the LCWA	LCWLLC and the LCWA executed an option agreement that provides for the exchange of real property. Agreement was signed on 9/2/16 to transfer the LCWA APN 7237-019-809, approximately 5.11 acres for the LCWLLC property described as APNs 7237-017-010; 7237-017-011; 7237-017-012; 7237-0217-013; 7237-017-014; 7237-017-019; 7237-017-805; 7237-017-806; 7237-017-807; 7237-017-808;7237-017-809 approximately 154 acres.	The LCWA received the option agreement funds which will be used to hire consultants to review technical studies.
LCWA Mitigation Policy	Staff will require consultant services in order to assist in the development of the mitigation policy and currently the FY17/18 Budget does not have any unrestricted funds to support authorizing a consultant contract.	The LCWA would require additional funds from its joint partners in order to provide the financial support for authorizing a consultant contract for services and development of the mitigation policy. The cost to develop the mitigation policy would range from \$50,000 to \$100,000. These cost estimates were determined by researching various non-profits, regulatory agencies and other local and state agencies whom have completed similar and comparable mitigation polices.
DWP Parcel (PCH) at Pacific Coast Highway	This site poses significant opportunities for enhancing public access to the eastern side of the Los Cerritos Wetlands area adjoining the San Gabriel River.	Recently the LCWA was made aware the City of Los Angeles would replace the existing fence-line with an 8-ft tall, tight-meshed, chain-link fence with razor wire around the entire Haynes Cooling Channel. This fencing project will impact over 2,000 feet of LCWA fence line, including sections that run along sensitive habitat at Zedler Marsh. A Coastal Development Permits was approved that included conditions requested by the LCWA. DWP has not made progress toward implementing this project on the ground.

Task	Description	Status
City of Long Beach Pending Environmental Documents		
City of Long Beach Southeast Area Specific Plan (SEASP)	The City of Long Beach continues to work on the Southeast Area Specific Plan which covers approximately 1,500-acres of southeast Long Beach. http://www.lbds.info/seadip_update/	<p>The Draft Environmental Impact Report was approved by City of Long Beach Planning Commission and Long Beach City Council with some changes to the document. Buildings over 7 stories tall are not allowed on the Marketplace Property, but can be allowed on the other sites under certain conditions. The plan includes a Wetlands Mitigation Fund that will be used to offset potential impacts to Los Cerritos Wetlands habitat. The LCWA is named in the document as an entity that the City will consult when developments are proposed.</p> <p>However, approval of the project's DEIR has been stalled since the Los Cerritos Wetlands Land Trust filed a writ of mandate to CA Superior Court following the City Council's decision stating the City was unlawful to approve SEASP.</p>
Los Cerritos Wetlands LLC (LCWLLC) Los Cerritos Wetlands Restoration and Oil Consolidation Project	The project is comprised of four sites located at: 6422 E. 2nd Street (LCW LLC Oil Field Site); 6701 E. Pacific Coast Highway (Pumpkin Patch site); northeast corner of Studebaker Road and 2nd Street (LCWA OTD Parcel); and 2nd Street and Shopkeeper Road (City-Property site) in the City of Long Beach. http://www.lbds.info/planning/environmental_planning/environmental_reports.asp	<p>Draft EIR was completed and released for public comment in July 2017. The LCWA's team of consultants provided comments on the Draft EIR directly to the applicant. The mitigation bank prospectus has been reviewed by the agencies after no public comment was received.</p> <p>The EIR went before and was approved by the Planning Commission on November 30th, 2017 and the LB City Council on January 16th, 2018. The EIR will go before the CA Coastal Commission in 2018. The LCWA and BOMP are also working with the City to make amendments to the Local Coastal Plan.</p>
PCH & 2nd Project Initial Study PCH & 2nd NOP	This project is located at 6400 E. Pacific Coast Highway (bounded by 2 nd Street to the north, Pacific Coast Highway to the east, a retail shopping center (Marina Shores Shopping Center) to the south, and Marina Drive to the west. http://www.lbds.info/planning/environmental_planning/environmental_reports.asp	The proposed project involves demolition of the existing Seaport Marina Hotel and construction of a commercial center totaling 245,000 square feet (216,000 square feet of retail space and 29,000 square feet of restaurant space) and 1,172 on-site parking spaces (1,044 space three-level parking structure and 128 surface parking spaces). The proposed commercial structures would be one- and two-story buildings with a maximum height of 35 feet.

Task	Description	Status
Lease Agreements		
<p>OTD/Edison Parcel Los Angeles County APN 7237-019-809</p> <p>Ellis Equipment, Inc. Lease Agreement</p> <p>Lease Fee = \$2,090 per month</p>	<p>The OTD Parcel is located on the northeast corner of Studebaker road and 2nd Street in the City of Long Beach and commonly referred to as the 'Edison Parcel' or 'Offer To Dedicate (OTD) Parcel.'</p>	<p>Ellis lease agreement utilizes only a portion of the OTD Parcel for storage of construction material. Ellis lease agreement has been amended to a month-to-month lease.</p>
<p>OTD/Edison Parcel Los Angeles County APN 7237-019-809</p> <p>D & S Washout Systems Lease Agreement</p> <p>Lease Fee = \$950 per month</p>	<p>The OTD Parcel is located on the northeast corner of Studebaker road and 2nd Street in the City of Long Beach and commonly referred to as the 'Edison Parcel' or 'Offer To Dedicate (OTD) Parcel.'</p>	<p>D & S Washout Systems Lease Agreement utilizes a portion of the OTD parcel for the storage of work trucks and construction materials. The lease agreement has been amended to a month-to-month lease.</p>
<p>California State Lands Commission Lease Agreement PRC9005.9. Orange County APNs: 043- 160-47; 043-160-36; 043-160-45; and 043- 160-53</p> <p>August 14, 2012 through August 13, 2022</p>	<p>The State Lands Commission issued the LCWA a lease agreement for four parcels approximately totaling four acres adjacent to the Los Cerritos Wetlands Authority Hellman/Phase 2 in the City of Seal Beach.</p>	<p>Staff coordinates with SLC office for ongoing repairs of fence property and continues to stage the Los Cerritos Wetlands Stewardship Program from this site.</p>
<p>City of Long Beach Marketplace Marsh License Agreement for Los Angeles County APN 7237-020-21</p> <p>June 7, 2010 through June 30, 2020</p>	<p>The property is approximately 29.38-acres south of 2nd Street</p>	<p>The LCWA recently updated the license agreement to allow tours of the wetlands and extended the license agreement through June 30, 2020.</p>

Task	Description	Status
Grants – COMPLETED		
A total of 12 grants have been completed by the LCWA and LCWLT	A total of \$6,228,400 grant funds have been acquired and applied towards acquisition, restoration studies, restoration projects, and education programs.	See link for details on all completed grants.
Grants – ACTIVE		
National Coastal Wetlands Conservation Grant Application Active	The State Coastal Conservancy (SCC) applied on behalf of the LCWA for the NCWC grant. Performance Period January 29, 2013 through December 31, 2017 Total Funding \$1,000,000 Funding Remaining \$1,000,000	The National Coastal Wetlands Conservation Grant was submitted on July 13, 2012 by the SCC for the acquisition of the Steam Shovel Slough. The SCC was awarded the \$1,000,000 grant for the acquisition of Steam Shovel Slough on January 29, 2013. The funds have been re-assigned to the Bryant acquisition. An extension to for this grant was been approved. The new deadline to use these funds is December 31 st , 2018.
State Coastal Conservancy Proposition 1 Los Cerritos Wetlands Planning and Restoration Project Active	Grants funds to complete the environmental review of the CRP per CEQA. Environmental review of the CRP's three proposed alternatives or a hybrid alternative. Performance Period February 1, 2017 through June 30, 2019 Total Funding \$500,000 Funding Remaining: \$454,663.15	The LCWA was successfully awarded the grant funds for the CEQA Planning Document, implementation of the project has commenced.
San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy Grant State Coastal Conservancy Proposition 1 Los Cerritos Wetlands Planning and Restoration Project Proposition 1 Grants Active	Grants funds to complete the environmental review of the CRP per CEQA. Environmental review of the CRP's three proposed alternatives or a hybrid alternative. Performance Period February 1, 2017 through June 30, 2019 Total Funding \$350,000 Funding Remaining: \$310,588.50	The LCWA was successfully awarded the grant funds for the CEQA Planning Document, implementation of the project has commenced.

Task	Description	Status
Grants – ACTIVE		
<p>San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy Grant State Coastal Conservancy Proposition 1</p> <p>Los Cerritos Wetlands Acquisition of the Bryant Properties</p> <p>Active</p>	<p>LCWA is seeking to acquire the frontage and remaining Bryant-Dakin Properties located along 2nd Street/Westminster Avenue in the City of Long Beach totaling approximately 18 acres (Los County Assessor Parcel Nos 7237-020-053 and 7237-020-054).</p> <p>Performance Period February 1, 2017 through June 30, 2018</p> <p>Total Funding \$1,000,000 Funding Remaining: \$1,000,000</p>	<p>The LCWA was successfully awarded the grant funds and negotiations will commence immediately.</p> <p>Appraisals are being reviewed.</p>
Consultant Contracts - COMPLETED		
6 Completed Consultant Contracts	Please see link for details.	
Consultant Contracts - ACTIVE		
<p>LCWA16003 Tidal Influence, LLC Property and Project Management Services</p> <p>Active</p>	<p>The LCWA authorized a contract to Tidal Influence for grant and project management services, property management services for all the LCWA properties, coordination of the Stewardship Program and on-call services as necessary.</p> <p>Performance Period March 1, 2017 through March 1, 2019</p> <p>Total Funding: \$89,000 Remaining Funding: \$54,775.00</p>	<p>See attached Land Management Reports from January-March 2018 and staff report on the Los Cerritos Wetlands Oil Consolidation and Wetlands Restoration Project.</p>

Task	Description	Status
Consultant Contracts - ACTIVE		
LCWA 13003 Los Cerritos Wetlands Stewards Homeless Liaison Contract Amended <u>Active</u>	The Los Cerritos Wetlands Stewards and the LCWA have a mutual interest in the implementation of the Stewardship Program which will promote and provide leadership in conservation for educating members as well as the community to further the appreciation of the wetlands habitat conservation.	The contract addresses the safety and security of the LCWA properties and meets the LCWA goals and objectives. Currently the Los Cerritos Wetlands Stewards are coordinating any removal of homeless encampments at several locations within the LCWA properties.
Memorandum of Understanding/Agreements		
LCWA08008 Signal Hill Petroleum, Inc. Coastal Development Permit for Vegetation Removal LCWA Phase 1 Properties <u>Active</u>	Signal Hill Petroleum, Inc. conducts the following activities (1) removing vegetation, debris and soil from the storm water collection and retention system, (2) controlling vegetation surrounding all oil pumps, electrical poles, and pipelines, and (3) removing vegetation surrounding all oil production facilities and buildings. Performance Period March 1, 2016 through December 30, 2017 Total Funding: \$20,000 Remaining Funding: \$0.00	Tidal Influence was contracted to manage MOA. Signal Hill Petroleum, Inc. annually provides \$10,000 to offset their impacts from proposed work. The LCWA has been implementing the 2017 work plan as approved by the Coastal Commission in March 2016. LCWA has submitted the 2016-2017 report and has submitted a spending plan for 2018-2019 that will extend this project.
LCWA13002 Southern California Edison Company Memorandum of Agreement <u>Active</u>	The LCWA entered into a Memorandum of Agreement with Southern California Edison Company to accept funds to provide out-of-kind compensatory mitigation for impacts to shoreline habitat at Catalina Island. Performance Period June 14, 2014 through June 30, 2020 Total Funding: \$25,000 Remaining Funding: \$2,722.43	Tidal Influence was contracted to manage this MOA. Staff has completed the Habitat Mitigation and Monitoring Plan which allowed for procurement and installation of 425 salt marsh plants. Tidal Influence has submitted the year 3 monitoring report in spring 2018 to Southern California Edison for the purpose of presenting the existing conditions of the 0.16 acre restoration site at Zedler Marsh and comparing it to the data collected in previous years.

LCW Stewardship Program		
Task	Description	Status
Potential Funding Sources		
City of Long Beach Measure A, Public Safety, Infrastructure Repair and Neighborhood Services Measure	The City of Long Beach established a one cent (1%) transactions and use (sales) tax for six years, generating approximately \$48 million annually, declining to one-half cent for four years and then ending, requiring a citizens' advisory committee and independent audits, with all funds remaining in Long Beach.	The City of Long Beach allocated an estimated \$500,000 for restoration work for the Los Cerritos Wetlands. The status of the funding is pending.
Los Angeles County: Safe, Clean Neighborhood Parks, Open Space, Beaches, Rivers Protection, and Water Conservation Measure Section 6(e); subsection 2(A) Supervisor Janice Hahn, Fourth District Potentially \$463,983 in funding	To replace expiring local funding for safe, clean neighborhood/city/county parks; increase safe playgrounds, reduce gang activity; keep neighborhood recreation/senior centers, drinking water safe; protect beaches, rivers, water resources, remaining natural areas/open space; 1.5 cents will be levied annually per square foot of improved property in Los Angeles County, with bond authority, requiring citizen oversight, independent audits, and funds used locally.	Up to fifteen percent (15%) shall be set aside and designated as the maintenance and servicing amount, and shall be used only to maintain and service, including resource protection activities for the capital outlay projects funded by the District... ...The maintenance and servicing amount shall be allocated each year as follows: ...point five percent (0.5%) to the Los Cerritos Wetlands Authority... An estimated \$92,796,612 in Annual Taxes to be collected.
Education Programs		
Public Access Improvement and Wetlands Restoration	Restoration and enhancement of existing wetlands function is one of the primary objectives of the LCWA. Public access for wildlife viewing and enjoyment may involve site improvements.	LCWA has successfully partnered with Los Cerritos Wetlands Land Trust (LCWLT) and they have successfully applied for and received several grants that provide for the Los Cerritos Wetlands Stewardship Program monthly nature walks through December 2017. Please refer to the attached Exhibit B: Los Cerritos Wetlands Stewardship Program updates for a full report.

Task	Description	Status
Capital Projects & Initiatives		
<p>County of Orange, OC Public Works Contract (MA-080-15010071)</p> <p><u>Active</u></p>	<p>Orange County Public Works entered into contract with LCWA to provide wetland restoration services and supplies including five years of monitoring reports from the LCWA's Stewardship Program</p> <p>Performance Period September 1, 2014 through September 1, 2019</p> <p>Total Funding \$155,500 Funding Remaining: \$24,986.51</p>	<p>Tidal Influence was contracted to manage and implement the project, planting occurred on the Orange County mitigation site, and Staff continues to monitor the progress on the project.</p> <p>LCWA staff submitted the Year 3 Monitoring Report on December 18, 2017.</p>
<p>Tarplant Mitigation Project - Ascon</p> <p><u>Active</u></p>	<p>The LCWA entered into a Memorandum of Agreement with Ascon to accept mitigation funds for the Southern Tarplant Mitigation Plan for a five year mitigation plan to grow and monitor Southern Tarplant at Zedler Marsh</p> <p>Performance Period November 3, 2016 through November 1, 2021</p> <p>Year 1 Funding: \$96,070 Year 1 Remaining Funding: \$0 Year 2 Funding: \$62,410 Year 2 Remaining Funding: \$47,385.31</p>	<p>Tidal Influence was contracted to manage and implement this project, seeding, and monitoring plan at Zedler Marsh. Staff continues to monitor the progress on the project.</p> <p>Regular watering and invasive species control are currently conducted on site. Another monitoring bout will occur in 2018.</p>
Grants – COMPLETED		
<p>A total of 12 grants completed by the LCWA and LCWLT</p>	<p>A total of \$6,228,400 grant funds were acquired and used towards acquisition, restoration studies, restoration projects, and education programs.</p>	<p>See link for details on all completed grants.</p>

Task	Description	Status
Grants – ACTIVE		
<p>The Orange County Community Fund</p> <p>Warne Family Endowment Fund for Endangered Species Protection Grant</p> <p><u>Active</u></p>	<p>The LCWLT applied for the Warne Foundation Grant Program to fund Belding's Savannah Surveys at Los Cerritos Wetlands.</p> <p>Performance Period January 2017 through December 31, 2018</p>	<p>Belding's Savannah Sparrow surveys will be conducted twice a month during breeding and nesting season to determine breeding territories for pairs of Belding's. A portion of the grant also goes towards restoring Belding's Savannah Sparrow habitat outside of nesting season.</p> <p>This grant was reapplied for and approved for a second year of monitoring and restoration efforts.</p>
<p>California State Coastal Conservancy</p> <p>Explore the Coast Grant Program</p> <p><u>Active</u></p>	<p>The Los Cerritos Wetlands Land Trust (LCWLT) applied for the Explore the Coast Grant Program to fund education programs at Zedler Marsh.</p> <p>Total Funding: \$15,560 Funding Remaining: \$15,560</p>	<p>The LCWLT will provide bus transportation to and from Zedler Marsh for 15 field trips of LBUSD 3rd grade students.</p>

Memorandum of Understanding/Agreements		
<p>Signal Hill Petroleum, Inc. (SHPI) Memorandum of Agreement</p> <p><u>Active</u></p>	<p>The LCWA entered into a Memorandum of Agreement with SHPI to use specific areas within the SHPI current exclusive easement for growth of Southern Tarplant under the Southern Tarplant Mitigation Plan.</p> <p>Performance Period February 3, 2017 through perpetuity</p>	<p>The LCWA will have access to these specific areas within the SHPI exclusive easement into perpetuity.</p>
<p>LCWA13002 Southern California Edison Company Memorandum of Agreement</p> <p><u>Active</u></p>	<p>The LCWA entered into a Memorandum of Agreement with Southern California Edison Company to accept funds to provide out-of-kind compensatory mitigation for impacts to shoreline habitat at Catalina Island.</p> <p>Performance Period June 14, 2014 through June 30, 2020</p> <p>Total Funding: \$25,000 Remaining Funding: \$2,722.43</p>	<p>Tidal Influence was contracted to manage MOA. Staff has completed the Habitat Mitigation and Monitoring Plan which allowed for procurement and installation of 425 salt marsh plants.</p> <p>Tidal Influence has completed the year 3 monitoring report for Southern California Edison for the purpose of presenting the existing conditions of the 0.16 acre restoration site at Zedler Marsh and comparing it to this data collected this past year.</p>
<p>LCWA13001 Aquarium of the Pacific Memorandum of Agreement</p> <p><u>Active</u></p>	<p>The LCWA entered into a Memorandum of Agreement in order to provide a citizen science sea turtle monitoring program for the general public.</p> <p>Performance Period August 11, 2016 through December 30, 2018.</p>	<p>For updates on the citizen science sea turtle monitoring program, please visit http://www.aquariumofpacific.org/give/member-ship/seaturtles</p>
<p>LCWA13000 Los Cerritos Wetlands Land Trust Memorandum of Agreement</p> <p><u>Active</u></p>	<p>The LCWA entered into a MOA with the Los Cerritos Wetlands Land Trust for stewardship services of the Los Cerritos Wetlands Stewardship Program</p> <p>Performance Period August 11, 2016 through December 30, 2018.</p>	<p>Please see the attached Los Cerritos Wetlands Stewardship Program Summary Report.</p>

Task	Description	Status
Memorandum of Understanding/Agreements		
Memorandum of Agreement with the El Dorado Audubon <u>Active</u>	El Dorado Audubon is working with the LCWA to develop bird walks at LCWA Phase 2 properties. Performance Period February 11, 2016 through December 30, 2018.	Please see the attached El Dorado Audubon Society report for a summary of the Los Cerritos Wetlands Nature/Bird Walks. For more information, please visit http://eldoradoaudubon.org/
Sea and Sage Monthly Bird Counts	Darrell Wilson conducts bird counts using a research permit on the Hellman Properties.	Bird counts from monthly surveys are summarized in reports submitted to LCW Ebird account and are provided in an attached summary report.



Land Management and
Stewardship Program Reports



Field Report Memorandum

To: Mark Stanley, LCWA

From: Marcelo Ceballos, Tidal Influence, LLC

Cc: Eric Zahn, Tidal Influence, Lenny Arkininstall, Salian Garcia

Date: February 5th, 2018

Subject: Land Management Field Report

Sites Inspected: Zedler Marsh, Bryant Lease West, Hellman/Gum Grove, State Lands Parcel, & OTD Parcel

Inspection Date: January 31st, 2018

Note: The locations of critical observations and issues noted in this document are called out on the map on the final page. Photos of certain issues/observations are attached at the end of the report.

OTD Parcel

1. Gates –

- a. The entrance gate needs barbed wire installed on it. A small gap between two posts needs to be closed. The entrance gate was compromised in past months and could be upgraded.

We recommend hiring a fence contractor. Tidal Influence staff is coordinating with fence contractors to get estimates for this work. (See photos)

2. Trails –

- a. Tree branches were found uniformly cut and gathered on the South side of the property, likely from the power company to avoid hitting any powerlines. Cut dry branches and larger logs were left on site and pose a fire risk now.

Tidal Influence staff has cleared larger diameter logs to reduce a fire ladder being created. These logs have been repurposed as trail lining for Stewardship Program Trails. The remaining dry branches will be cleared/dispersed in the coming months by Tidal Influence staff. (See Photos)

- b. Dry brush was observed to be cleared around power lines surrounding the site. Likely for power line fire safety.

- c. Rubble from around the leasee's work site was cleared and gathered into a pile to make the site safer to operate in.

We recommend this rubble be cleared over time. (See Photos)

3. Fences –

- a. Barbed wire needs to be replaced on the portion of the fence line that is nearest the entrance gate. **We recommend hiring a fence contractor. Tidal Influence staff is coordinating with fence contractors to get estimates for this work.** (See photos)

4. Homeless –

- a. A homeless encampment now exists on site and was observed on this month's patrol. The inhabitant has set up on the South side of property hidden in trees/brush next to the fence line.

We recommend working with the LCWA's homeless contractor to remediate this encampment ASAP. Tidal Influence staff is currently working with the LCWA's homeless contractor to create & post signs to help enforce issues like this. (See Photos)

- b. A substantial amount of trash exists on-site, with additional trash being added since last months patrol, likely from homeless encampments. A rough path has been cleared to allow easier access for the removal of trash. Attached is a map with the large trash pile locations. **We recommend this trash be disposed of ASAP by the LCWA's homeless contractor and Tidal Influence staff over the coming months and on a more regular basis. Tidal Influence has cleared a portion of this material in January and will continue this effort in the coming months.** (See photos)

- c. Leasee employees on site during the land patrol indicated that there were two homeless persons who regularly visited the perimeter of the site and would dump trash. **We recommend working with the LCWA's homeless contractor and LBPD to carry out patrols to keep the site more secure. Additionally Tidal Influence staff are coordinating with fence**

contractors to get estimates to repair and possibly upgrades sections of the current fenceline and gate entrance. Tidal Influence staff is also currently working with the LCWA's homeless contractor to create & post signs to help enforce issues like this.

5. Other –
 - a. An Individual called and reported that someone was spraying something blue on the site and other surrounding sites. No photos, contacts, or first-hand accounts were provided and the individual said another party informed them of the issue in the last week of January. They also added that it was not Vector control services, even though they did not get a contact from the person spraying.
Tidal Influence staff will look into the issue but this may prove to be difficult with little evidence to go off of.

Zedler Marsh

6. Gates – OK
7. Trails – OK
8. Fences – OK
9. Homeless –
 - a. An encampment with a blue tent was observed early in the morning on the San Gabriel River levee outside of the bicycle entrance gate, but was cleared out by the afternoon. Later in the month an encampment with a red tent was observed at the same location but has been observed there for more than a week. (See Photos)
We recommend working with the LCWA's homeless contractor to remediate this encampment as soon as possible. Tidal Influence staff is currently working with the LCWA's homeless contractor to create & post signs to help enforce issues like this.
10. Other – Note: We recommend updating the signage at the entrance gate to reduce the amount of unapproved visitors once the property has been acquired by the LCWA.

State Lands Parcel

11. Gates – OK
12. Trails – OK
13. Fences –
 - a. Non-native vegetation is beginning to grow back along the fence line.
Tidal Influence Staff will work to keep this fence line clear in the coming months. (See Photos)
14. Homeless –
 - a. Another cache of hidden non-beneficial materials was observed hidden in the trees and along land tour routes. (See Photos)
These materials were removed by Tidal Influence staff.

Hellman

15. Gates – OK
16. Trails –
 - a. Gopher holes coming from neighborhoods and Gum Grove Park have been observed on the property near fence lines and have moved further into the property. These have not made a major impact on native vegetation yet. **Tidal Influence Staff will continue to monitor and advise if action needs to be taken.** (See Photos)
 - b. Non native vegetation has started to grow along trail routes.
Tidal Influence staff will work to keep this clear for stewardship program events/tours in the coming months. (See Photos)
 - c. During the month of January a large pile of palm frond, vegetation, and tools were found dumped in the parking area used for stewardship volunteers and attendees.
Tidal Influence staff as cleared all materials and has repurposed some as trail liner for stewardship program trails. (See Photos)

17. Fences –
- a. A number of the fence breaches have been discovered all along the Gum Grove fence line in addition to the fence segments that were monitored earlier in the year. **We recommend hiring a fence contractor. Tidal Influence staff is coordinating with fence contractors to get estimates for this work.** (See Photos)
18. Homeless – OK
19. Other –
- a. Trespassers were photographed on wildlife cameras coming onto the property from the main entrance. **We recommend continuing to work with local police to maintain/increase patrols in the area to keep the site secure.** (See Photos)

Bryant Lease West

20. Gates – All the locks and chains for the gates along the levee have been removed and all gates are open. **We recommend LCWA staff meeting with LA County to determine a new approach to securing this property. We recommend that lock boxes be installed on the gates. Another possibility is replacing the gates with a stronger material to prevent future breaches. Tidal Influence staff is also coordinating with fence contractors to get estimates for this work. Tidal Influence is also currently working with the LCWA's homeless contractor to create & post signs to help enforce issues like this.** (See Photos)
21. Trails –
- a. Golf balls were once again found on the site. Mainly contained to one area near the levee, but did make it into native vegetation and around oil operations. **Tidal influence staff has removed all golf balls from the site and will continue to monitor this issue.** (See Photos)
 - b. Dry branches have been observed around the sites trails. These will need to be removed. **Tidal Influence staff will work to coordinate/plan a way to disperse and remove this material from the site over the coming months.**
22. Fences –
- a. The fence next to the 2nd Street access gate has been breached, making this gate ineffective. **We recommend LCWA staff meeting with LA County to determine a new approach to securing this property.** (See Photos)
23. Homeless –
- a. All encampments and debris along this portion of the levee were cleared on December 19th, 2017 lead by the LCWA's homeless contractor.
 - b. Encampment #1 appears to have returned and the inhabitant was observed in the encampment on December 22nd and December 29th during the patrol. Individual seen walking through the site. **Tidal Influence Staff and the LCWA's Homeless contractor are working to post signage up in order to increase enforcement in this area.** (See Photos)
 - c. Encampment #2 has been confirmed to be clear on this month's patrol. (See Photos)

Nature Observations

24. Flora
- a) Native floras have started to green and bloom again with rain received in the winter months. (See Photos)
25. Fauna
- a) Coyote activity has increase over the past few months. Tracks are much more prevalent all over the properties and on the wildlife cameras. A coyote was also observed during January's patrol. (See Photos)

Map

The photos of the issues and observations detailed above are labeled by number. The number on the map below indicates the location of these issues and observations.



OTD Parcel



Tarp/mattress/non beneficial materials pile was CLEARED

OTD Parcel



Cut up tree branches gathered together in piles on OTD site

Largest diameter logs were collected to reduce fire ladder risk

Logs Repurposed as trail lining for Stewardship Program Tours

OTD Parcel



Trash all along roadside, along hilltop, and along outer edge of fencing

OTD Parcel



Trash Pile Locations

 = Trash Area Cleared

 = New/Current Trash Pile

OTD Parcel



New Homeless Encampment found on perimeter of property, hidden by brush and larger vegetation

OTD Parcel



Fencing in need of upgrades, repairs, and vegetation clearance



OTD Parcel



Branches hanging from tree



Dry brush clearance observed around powerlines



Fallen tree is drying up



Rubble from around lease work area consolidated to one area by lease

Zedler



Blue tent seen set up next to bike trail entrance in the early morning, but was gone later in the day

Red tent as set up in the same location and has stayed for more than a week



Zedler



The Truesdell Corporation is performing bridge repairs again and continues to use the Zedler/Bryant entrance as a staging area for materials

State Lands



State lands fence line non-native vegetation beginning to grow back

Additional non beneficial materials cleared from State lands site

Hellman



Gopher holes found on Hellman Property

Hellman



Non native vegetation starting to sprout along trails

Hellman



Trespassers photographed by wildlife camera in January

Hellman



Palm fronds, vegetation, & tools were dumped in the parking area used for stewardship volunteers/attendees

Materials were cleared and repurposed as trail liner for the stewardship program trails

Hellman



Barbed wire absent/damaged above back entrance gates

Signs of fence breach
behind Surf Place
house

Hellman



Two fence lines segments bent and warped down giving easy access to property from Gum Grove Park, hay bales present during patrol

Hellman



Several points along Gum Grove Fence line are damaged/breached



Bryant Lease West



Gates still open during November Patrol, with open access to property



Large section of fence broken



Fence line next to 2nd Street bridge breached

Bryant Lease West

Encampment #1



Encampment was cleared on December 19th, 2017, but inhabitant has returned and set up new encampment

(Clockwise progression over time)



Bryant Lease West



Encampment #2 has been verified - CLEARED

Bryant Lease West



Individual observed walking through site onto levy, likely the individual from encampment #1

Bryant Lease West



Numerous golf balls were observed & removed from native vegetation and around oil machinery

Bryant Lease West



Dry brush observed on Bryant Lease West site

Clearance effort will have to be planned/coordinated

Nature Observations



Native vegetation along trails are starting to bloom again with rain received in winter months

Nature Observations



Coyote activities seem to have increased over the past few months. This has been observed on camera and tracks seen along the trails and facilities

A coyote was also observed during the January Patrol

Field Report Memorandum

To: Mark Stanley, LCWA

From: Marcelo Ceballos, Tidal Influence, LLC

Cc: Eric Zahn, Tidal Influence, Lenny Arkinstall, Salian Garcia

Date: March 1st, 2018

Subject: Land Management Field Report

Sites Inspected: Zedler Marsh, Bryant Lease West, Hellman/Gum Grove, State Lands Parcel, & OTD Parcel

Inspection Date: February 27th, 2018

Note: The locations of critical observations and issues noted in this document are called out on the map on the final page. Photos of certain issues/observations are attached at the end of the report.

OTD Parcel

1. Gates –
 - a. The entrance gate needs barbed wire installed on it and the gate overall could be upgraded for site security purposes. **We recommend hiring a fence contractor. Tidal Influence staff is coordinating with fence contractors to get estimates for this work.** (See photos)
2. Trails –
 - a. Rubble from around the leasee's work site was cleared and gathered into a pile to make the site safer to operate in. **We recommend removing/repurposing this rubble over time.** (See Photos)
3. Fences –
 - a. Barbed wire needs to be replaced on the portion of the fence line that is nearest the entrance gate. **We recommend hiring a fence contractor. Tidal Influence staff is coordinating with fence contractors to get estimates for this work.** (See photos)
4. Homeless –
 - a. A homeless encampment now exists on site and was observed on this month's patrol. The inhabitant has set up on the South side of property hidden in trees/brush next to the fence line. **We recommend working with the LCWA's homeless contractor to remediate this encampment ASAP. Tidal Influence staff, LCWA staff, and the LCWA's Homeless contractor have worked on creating & ordering signage to better enforce the current trespassing issue. This signage will be printed and posted in the month of March.** (See Photos)
 - b. A substantial amount of trash exists on-site, attached is a map indicating the locations of the largest trash pile locations as well as areas that have been cleaned up. It was observed during the patrol that many of the trash locations were cleaned up. Much of what remains is minor and will likely be cleaned during the clean up event hosted by the LCWA's homeless contractor in March. **We recommend the remaining trash be disposed of ASAP by the LCWA's homeless contractor and Tidal Influence staff over the coming months and on a more regular basis.** See photos)
5. Other –
 - a. An Individual called and reported that someone was spraying something blue on the site and other surrounding sites. Little facts/observations were given to go off of but this past month it was found that what seemed to be the same individual who sprayed on the OTD parcel also sprayed on DWP property. **Tidal Influence staff will look further into this issue.**

Zedler Marsh

6. Gates – OK
7. Trails –
 - a. Due to recent rains, portions of the trails system have become uneven and damaged. **Tidal Influence Staff will be leading members of the Long Beach Conservation Corps to relevel these portions of the trail to ensure visitor safety.**
 - b. Excess palm fronds have been gathered from around the trails system and collected into a large pile. **Tidal Influence Staff will be leading members of the Long Beach Conservation Corps to removed/repurposed these palm fronds from the trails areas to ensure visitor and site safety.**
8. Fences – OK
9. Homeless –
 - a. A homeless encampment has been present during the entire month of February located next to the bike trail entrance of Zedler Marsh. The inhabitant was observed during the month and was yelling aggressively. This person may pose a danger to staff, pedestrians along the bike path, as well as volunteers/visitor on LCWA property. (See Photos) **We recommend working with the LCWA's homeless contractor to remediate this encampment as soon as possible. Tidal Influence staff, LCWA staff, and the LCWA's Homeless contractor have worked on creating & ordering signage to better enforce the current trespassing/encampment issue. This signage will be printed and posted in the month of March.**
10. Other – Note: We recommend updating the signage at the entrance gate to reduce the amount of unapproved visitors once the property has been acquired by the LCWA.

State Lands Parcel

11. Gates – OK
12. Trails –
 - a. A grappling hook type of device was found near the trails during the month of February. **Tidal Influence Staff have removed this device from the site.**
13. Fences –
 - a. Non-native vegetation is beginning to grow back along the fence line. **Tidal Influence Staff will work to keep this fence line clear in the coming months.** (See Photos)
14. Homeless – OK

Hellman

15. Gates – OK
16. Trails –
 - a. It was observed that a neighbor on Surf Place has cut down a tree that was on and into LCWA property. **Tidal Influence staff will work to repurpose this material once it has dried out and is easier to handle. (See Photos)**
 - b. Non native vegetation has started to grow along trail routes. **Tidal Influence staff will work to keep this clear for stewardship program events/tours in the coming months.** (See Photos)
 - c. Gopher holes coming from neighborhoods and Gum Grove Park have been observed on the property near fence lines and have moved further into the property. These have not made a major impact on native vegetation yet. Recent rains have caused some portions of the tunnels to collapse and become exposed. **Tidal Influence Staff will continue to monitor and advise if action needs to be taken.** (See Photos)
17. Fences –
 - a. A number of the fence breaches have been discovered all along the Gum Grove fence line in addition to the fence segments that were monitored earlier in the year. **We recommend hiring a fence contractor. Tidal Influence staff is coordinating with fence contractors to get estimates for this work.**(See Photos)
18. Homeless – OK

Bryant Lease West

19. Gates – All the locks and chains for the gates along the levee have been removed and all gates are open. **We recommend LCWA staff meeting with LA County to determine a new approach to securing this property. We recommend that lock boxes be installed on the gates. Another possibility is replacing the gates with a stronger material to prevent future breaches. Tidal Influence staff is also coordinating with fence contractors to get estimates for this work. Tidal Influence staff, LCWA staff, and the LCWA's Homeless contractor have worked on creating & ordering signage to better enforce the current trespassing/encampment issue. This signage will be printed and posted in the month of March.** (See Photos)
20. Trails –
- Dry branches have been observed around the sites trails. These will need to be removed. **Tidal Influence staff will work to coordinate/plan a way to disperse and remove this material from the site over the coming months.**
21. Fences –
- The fence next to the 2nd Street access gate has been breached, making this gate ineffective. **We recommend LCWA staff meeting with LA County to determine a new approach to securing this property.** (See Photos)
22. Homeless –
- All encampments and debris along this portion of the levee were cleared on December 19th, 2017 lead by the LCWA's homeless contractor.
 - Encampment #1 appears to have returned and the inhabitant was observed in the encampment on December 22nd and December 29th during the patrol. Individual has been observed walking through the site. **Tidal Influence Staff and the LCWA's Homeless contractor are working to post signage up in order to increase enforcement in this area.** (See Photos)
 - A second encampment may have started underneath the levy/Bryant Lease gate entrances. Due to the low amount of materials observed, this may not be an encampment. **Tidal Influence staff will continue to observe this possible encampment in the coming months. (See Photos)**
 - A few trash piles were observed in the brush near the 2nd Street and Studebaker intersection. **We recommend this trash be cleaned up in the coming months either during the LCWA's homeless contractor's clean up event or during regular activities during the coming months.**

Nature Observations

23. Flora
- Native floras have started to green and bloom again with rain received in the winter months. (See Photos)
24. Fauna
- Coyote activity has increase over the past few months. A number of birds and reptiles were observed during February's patrol. (See Photos)

Map

The photos of the issues and observations detailed above are labeled by number. The number on the map below indicates the location of these issues and observations.



OTD Parcel



Trash Pile Locations

 = Trash Area Cleared

 = New/Current Trash Pile

OTD Parcel



Remaining large trash piles

OTD Parcel



Homeless Encampment found on perimeter of property, hidden by brush and larger vegetation

OTD Parcel



Fencing in need of upgrades, repairs, and vegetation clearance

OTD Parcel



Branches hanging from tree



Fallen tree is drying up



Rubble from around leasee work area consolidated to one area by leasee

Zedler



Encampment near bike trail entrance of Zedler Marsh during February and during the patrol

Zedler



Zedler Trails have become uneven and damaged and palm fronds has be cleared from around the trails systems

State Lands



State lands fence line non-native vegetation beginning to grow back

State Lands



A grappling hook was found on State Lands and was removed

Hellman



A neighbor has cut a tree from the back fence line on and into LCWA property

Hellman



Non native vegetation starting
to sprout along trails

Hellman



Some of the gopher holes have started to collapse due to rain

Hellman



Barbed wire absent/damaged above back entrance gates

Hellman



Two fence lines segments bent and warped down giving easy access to property from Gum Grove Park, hay bales present during patrol

Hellman



Several points along Gum Grove Fence line are damaged/breached



Bryant Lease West



Gates still open during
November Patrol, with open
access to property



Fence line next to 2nd Street bridge breached

Bryant Lease West



Dry brush observed on Bryant Lease West site

Clearance effort will have to be planned/coordinated

Bryant Lease West

Encampment #1



Encampment was cleared on December 19th, 2017, but inhabitant has returned and set up new encampment

(Clockwise progression over time)



Bryant Lease West

Encampment #2



Possible encampment found underneath the levy gates

Bryant Lease West



Small trash piles found on Bryant Lease, near the 2nd & Studebaker intersection

Nature Observations



Native vegetation along trails are dropping seed and starting to bloom

Nature Observations



Field Report Memorandum

To: Mark Stanley, LCWA

From: Marcelo Ceballos, Tidal Influence, LLC

Cc: Eric Zahn, Tidal Influence, Lenny Arkinstall, Salian Garcia

Date: April 11th, 2018

Subject: Land Management Field Report

Sites Inspected: Zedler Marsh, Bryant Lease West, Hellman/Gum Grove, State Lands Parcel, & OTD Parcel

Inspection Date: April 6th, 2018

Note: The locations of critical observations and issues noted in this document are called out on the map on the final page. Photos of certain issues/observations are attached at the end of the report.

OTD Parcel

1. Gates –
 - a. The entrance gate could be upgraded for site security purposes.
Tidal Influence staff has determined that this type of upgrade would not be cost effective at this time.
2. Trails –
 - a. A fallen tree and tree branch have been observed on site.
Tidal influence staff will work to remove this once nesting bird season has concluded in order to protect the site from fire danger in the future. (See Photos)
3. Fences – OK
4. Homeless –
 - a. A vacant homeless encampment was cleared during the month of March through a volunteer clean up event hosted by the LCWA's homeless contractor.
Tidal Influence staff and the LCWA's Homeless contractor will coordinate to post No Trespassing signage to help prevent this type of activity again. (See Photos)
 - b. A substantial amount of trash was removed from the site through the volunteer clean up event hosted by the LCWA's homeless contractor. Attached is a map indicating the locations of the remaining trash pile locations.
We recommend the remaining trash be disposed of by the LCWA's homeless contractor and Tidal Influence staff over the coming months.(See photos)
5. Other –
 - a. An individual called and reported that someone was spraying something blue on the site and other surrounding sites. Little facts/observations were given to go off of but it was found that the same individual who sprayed on the OTD parcel also sprays on DWP property. From the evidence found, it was determined that this spraying was an accident. Steps will be taken to help prevent this happening in the future.

Zedler Marsh

6. Gates – OK
7. Trails –
 - a. Due to recent rains, portions of the trails system became uneven and damaged. Tidal Influence staff led members of the Conservation Corps of Long Beach this past month to relevel these trails for upcoming educational programs. (See Photos)

- b. Excess palm fronds were gathered from around the trails system and collected into a large pile. Tidal Influence Staff led members of the Conservation Corps of Long Beach this month to repurpose this as trail lining. (See Photos)
 - c. Road maintenance was conducted by Signal Hill Petroleum on the dirt roads used on site. This maintenance filled in holes in the roads. A biological monitor was present while this maintenance occurred near any sensitive habitat areas. (See Photos)
8. Fences – OK
9. Homeless –
- a. A homeless encampment is present next to the bike trail entrance of Zedler Marsh. The inhabitant was observed yelling aggressively in the past. This person may pose a danger to staff, pedestrians along the bike path, as well as volunteers/visitor on LCWA property. During the month of March a second inhabitant set up a tent next to the first. A police officer was seen trying to talk/outreach to the inhabitants but no response was observed. During the property patrol the second inhabitant was no longer present. (See Photos)
We recommend working with the LCWA's homeless contractor to remediate this encampment as soon as possible. Tidal Influence staff and the LCWA's Homeless contractor will work to post No Trespassing signage this month to help prevent this activity in the future.
10. Other – Note: We recommend updating the signage at the entrance gate to reduce the amount of unapproved visitors once the property has been acquired by the LCWA.

State Lands Parcel

11. Gates – OK
12. Trails –
- a. Tidal Influence staff led the Conservation Corps of Long Beach to line the state lands trails with repurposed vegetative materials. (See Photos)
13. Fences –
- a. Non-native vegetation growing along the fence line was cleared by Tidal influence staff. This action will likely have to be repeated in the upcoming months due to additional nonnative vegetative growth. (See Photos)
Tidal Influence Staff will work to keep this fence line clear in the coming months.
14. Homeless – OK

Hellman

15. Gates – OK
16. Trails –
- a. It was observed that a neighbor on Surf Place has cut down a tree that was on and into LCWA property.
Tidal Influence staff will work to repurpose this material once it has dried out and is easier to handle. (See Photos)
 - b. Non native vegetation has been cleared along land tour routes by Tidal Influence staff. All clearance was evaluated and approved by a biologist and the LCWLT to insure this work would not interfere with any sensitive habitat areas.
Tidal Influence staff will monitor this trail in order to keep it clear for stewardship program events/tours in the future. (See Photos)
 - c. Non native vegetation was cleared from stewardship program meeting areas by Tidal Influence staff. All areas were evaluated and approved by a biologist before any work began. (See Photos)
17. Fences –
- a. A number of the fence breaches have been discovered all along the Gum Grove fence line in addition to the fence segments that were monitored earlier in the year. **Tidal Influence staff will coordinate repair of these sections to ensure site security.**(See Photos)
 - b. A dry brush clearance compliance inspection was conducted along the property line by Tidal Influence Staff and was determined to be in compliance with OC Fire Authority safety guidelines. (See Photos)
18. Homeless –
- a. A young individual was seen on a wildlife camera trespassing on site.
Tidal Influence staff and the LCWA's homeless contractor will work to post No Trespassing Signage along the property line to discourage this type of activity in the future.
 - b. Tidal Influence staff met with the vector control entities from Los Angeles County and Orange County to discuss and become acquainted with the practices and priorities of vector control as well as update any needs of all parties. This

meeting has helped to make vector control more effective and efficient as well as make the property manager more aware of the activities taking place on the property. All parties have agreed to meet yearly for annual updates.

Bryant Lease West

19. Gates – All the locks and chains for the gates along the levee have been removed and all gates are open. **We recommend LCWA staff meeting with LA County to determine a new approach to securing this property. We recommend that lock boxes be installed on the gates. Tidal Influence staff and the LCWA's Homeless contractor will work to post No Trespassing signage during the month of March to help discourage trespassing activities.** (See Photos)
20. Trails –
 - a. Dry branches have been observed around the sites trails. These will need to be removed. **Tidal Influence staff will work to coordinate/plan a way to disperse and remove this material from the site over the coming months.**
21. Fences –
 - a. The fence next to the 2nd Street access gate has been breached, making this gate ineffective. **We recommend LCWA staff meeting with LA County to determine a new approach to securing this property.** (See Photos)
22. Homeless –
 - a. All encampments and debris along this portion of the levee were cleared on December 19th, 2017 lead by the LCWA's homeless contractor.
 - b. Encampment #1 appears to have returned and the inhabitant was observed in the encampment on December 22nd and December 29th during the patrol. Individual has been observed walking through the site. **Tidal Influence Staff and the LCWA's Homeless contractor are working to post signage up in order to increase enforcement in this area.** (See Photos)
 - c. A second encampment may have started underneath the levy/Bryant Lease gate entrances. Due to the low amount of materials observed this may not be an encampment and just a storage area. **Tidal Influence staff will continue to observe this possible encampment in the coming months.** (See Photos)
 - d. A few trash piles were observed in the brush near the 2nd Street and Studebaker intersection. (See Photos) **We recommend this trash be cleaned up in the coming months by the LCWA's homeless contractor and Tidal Influence Staff.**

Nature Observations

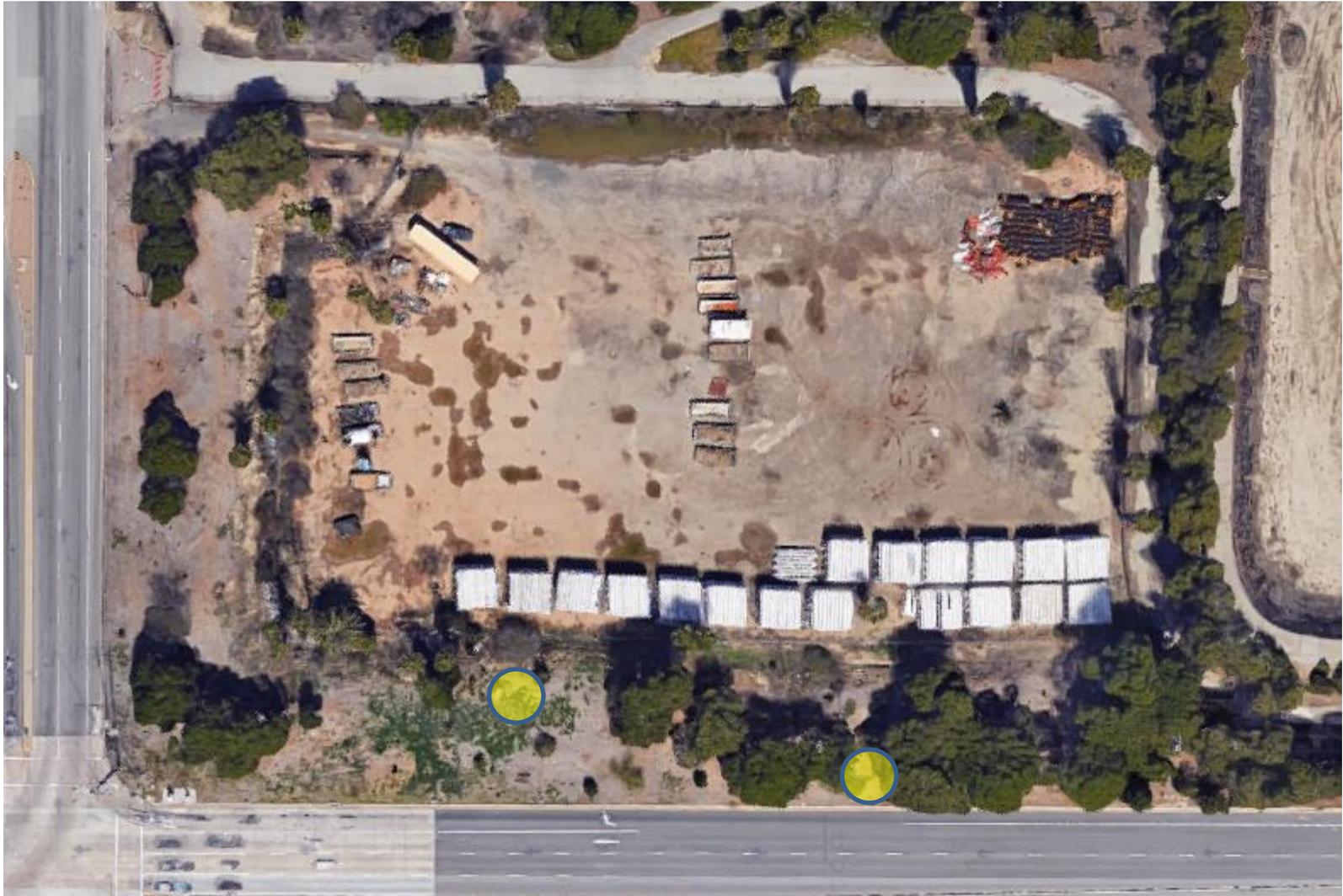
23. Flora
 - a) Native floras have started to bloom again with rain received in the winter months. (See Photos)
24. Fauna
 - a) Coyote activity has increase over the past few months. A number of birds and reptiles were observed during February's patrol. (See Photos)

Map

The photos of the issues and observations detailed above are labeled by number. The number on the map below indicates the location of these issues and observations.



OTD Parcel



Trash Pile Locations

 = Trash Area Cleared

 = New/Current Trash Pile

OTD Parcel



Last remaining trash piles on OTD Site

OTD Parcel



OTD Parcel was cleared of excessive dry brush and large amounts of trash were cleaned up through a public volunteer event hosted by the LCWA's homeless contractor

OTD Parcel



Homeless Encampment found on perimeter of property, hidden by brush and larger vegetation. This location was assessed to be vacant and the materials were cleaned up during the volunteer event hosted by the LCWA's homeless contractor

OTD Parcel



Branches hanging from tree



Fallen tree is drying up

Zedler



The encampment East of Zedler Marsh had an additional tent and inhabitant during the month of March.

Zedler



The Conservation Corps of Long Beach assisted with trail maintenance, asphalt removal, plantings, and propagation around the Zedler Marsh Trails.

Zedler



Road maintenance was conducted around Zedler Marsh and the Bryant lease property with a biological monitor present in sensitive areas

State Lands



State lands fence line non-native vegetation was cleared but will likely need to be cleared again further into the growing season

State Lands



The Conservation Corps of Long Beach assisted to repurpose excess palm fronds into trail borders along the stewardship tour route.

Hellman



A neighbor has cut a tree from the back fence line on and into LCWA property

Hellman



Non native vegetation has been cleared from the trails used for stewardship programs

Hellman



Dry Brush remains at an adequate distance from neighboring houses in accordance with the Orange County Fire Authority Guidelines.

Hellman



The Hellman stewardship event parking area and gathering area were cleared of non native vegetation.

Hellman



The “No Trespassing” signs were ordered, printed, and picked up this month with posting to happen this next month.



A young trespasser was observed on a wildlife camera the day before the property patrol was conducted.

Hellman



Two fence lines segments bent and warped down giving easy access to property from Gum Grove Park, hay bales present during patrol

Hellman



Several points along Gum Grove Fence line are damaged/breached



Bryant Lease West



Gates still open during
November Patrol, with open
access to property



Fence line next to 2nd Street bridge breached

Bryant Lease West



Dry brush observed on Bryant Lease West site

Clearance effort will have to be planned/coordinated

Bryant Lease West

Encampment #1



Encampment was cleared on December 19th, 2017, but inhabitant immediately returned and set up new encampment

(Clockwise progression over time)



Bryant Lease West

Encampment #2



Possible encampment found underneath the levy gates

Bryant Lease West



Small trash piles found on Bryant Lease, near the 2nd & Studebaker intersection

Nature Observations



Nature Observations



Native vegetation along trails are dropping seed and starting to bloom

LOS CERRITOS WETLANDS STEWARDSHIP PROGRAM SUMMARY REPORT JANUARY 23RD, 2018 – APRIL 11TH, 2018

Los Cerritos Wetlands Authority

Nature Walks

Turtle Trek, Raptor Ramble, Heron Hike

Los Cerritos Wetlands Land Trust funded nature walks continue to receive attention from neighboring communities and beyond with approximately 56 attendees between the months of February and April (Figure 1). The Turtle Trek, Raptor Ramble, and Heron Hike not only attract a steady number of first-time visitors but also maintain a healthy list of return guests. The annual shifts in vegetation combined with the everyday diversity in animal activity truly make these tours a unique experience every single time. Each walk begins at the north side of 1st Street and Pacific Coast Highway in Seal Beach at 8:00am every 1st Saturday of the month. Members of the public are welcome to join in on the 3 different tours around the wetlands. For more information about each tour, please contact ejlambe@verizon.net.

Habitat Restoration Events

Volunteer restoration events in Los Cerritos Wetlands are consistently hosting larger and larger groups of helpful participants with events averaging up to 54 people. Such turnouts allowed the Stewardship Program to successfully install 516 native plants around Zedler Marsh while also removing 360 lbs. of nonnative vegetation (Figure 2). The Stewardship Program's college intern-supported Crew Days resulted in the removal of 1253 lbs. of threatening nonnative vegetation and these newly cleared areas can now be utilized by native flora like the special status species southern tarplant. **Restoration events & Crew Days between Mid-January and Mid-April produced 644 hours of volunteer work, contributing \$15,546.16 in in-kind services.** To request a restoration or education event for your group or organization, please contact iwanttohelp@tidalinfluence.com.

Special Events

The Stewardship Program proudly hosted several Camp Fire groups from the Long Beach area this past quarter. Dozens of young boys and girls helped event leaders with putting native plants in the ground and water emerging seedlings surrounding Zedler Marsh (Figure 3). The California Coastal Conservancy funded Explore the Coast program has also been reignited in Los Cerritos Wetlands bringing children from underserved elementary schools throughout the Long Beach area (Figure 4). Students that attend are not only provided with their first experience in Los Cerritos Wetlands but also with some of their first experiences in the natural world. Complete with a writing and math exercise, the Explore the Coast program offers even more to children than just an incredible outdoor experience. This program will continue through May before the final trips are held in the end of Fall. Between Camp Fire kids and Explore the Coast students, over two hundred young adventurers have been given the opportunity to grow their value for Los Cerritos Wetlands.



FIGURE 1. HERON HIKE (TOP), TURTLE TREK (MIDDLE), RAPTOR RAMBLE (BOTTOM)



FIGURE 2. RESTORATION EVENTS BETWEEN FEBRUARY AND APRIL



FIGURE 3. CAMPFIRE EVENT



FIGURE 4. EXPLORE THE COAST PROGRAM

El Dorado Audubon Society

Los Cerritos Wetlands Authority Nature/Bird Walks

Report for May 3, 2018

El Dorado Audubon has been leading nature/bird walks for the Los Cerritos Wetlands Authority since 2009. As a local chapter of the National Audubon Society, El Dorado Audubon's mission is conservation of native birds and their habitats and education of members and the community. Los Cerritos Wetlands is an Audubon Important Bird Area. Our walks encompass the importance of wetlands and Los Cerritos in particular. We recognize the connectivity of the wetlands with the San Gabriel River, Seal Beach National Wildlife Refuge, El Dorado Nature Center and other Orange Coast Wetlands. We continue to draw community members from throughout Southern California and visitors from Minnesota, Nevada, Oregon, Texas, and Wisconsin.

Guest speakers on our walks covered a variety of topics: Bays and Estuaries of Southern California, Birds of the Pacific Flyway, sea turtles, butterflies, native and non-native wildflowers.

Los Cerritos Wetlands, Hellman lowlands

January -- American Wigeon, White-faced Ibis, Least Sandpiper, Killdeer, and Northern Harrier with clear skies and warm weather for a total of 27 avian species.

February – Northern Shoveler, American Wigeon, Northern Pintail, Green-winged Teal, Northern Harrier, American Avocet, Black-bellied Plover and Least Sandpiper, Western Meadowlark, Red-winged Blackbird for a total of 36 avian species

March – Say's Pheobe, Osprey, raptors, herons, egrets for a total of 37 avian species

April – It was an warm, dry day; many seasonal ponds/wetlands are dried up. Rough-winged Swallow, Barn Swallow, Hooded Oriole for a total of 24 avian species.

January 13, 2018

Los Cerritos Wetlands Hellman property, Orange, California, US

Comments: Clear, 68 to 70 degrees, wind 3 mph

27 species (+5 other taxa)

Canada Goose 400
Northern Shoveler 2
American Wigeon 41
Mallard 4
duck sp. 25
Double-crested Cormorant 2
Great Blue Heron 1
Great Egret 2
Snowy Egret 14
White-faced Ibis 4
Northern Harrier 1
American Coot 2
Killdeer 11
Least Sandpiper 4
Greater Yellowlegs 2
shorebird sp. 6
gull sp. 15
tern sp. 2
Mourning Dove 2
Allen's Hummingbird 2
hummingbird sp. 3
Belted Kingfisher 1
American Kestrel 2
Black Phoebe 2
Say's Phoebe 3
Cassin's Kingbird 3
American Crow 1
Northern Mockingbird 2
Common Yellowthroat 3
Yellow-rumped Warbler (Audubon's) 2
White-crowned Sparrow 1
House Finch 7

Los Cerritos Wetlands Hellman property, Orange, California, US

February 20, 2018

Comments: Overcast, 55 to 60 degrees, wind 9 mph

36 species (+1 other taxa)

Snow Goose 12

Canada Goose 7

Northern Shoveler 12

American Wigeon 55

Mallard 9

Northern Pintail 13

Green-winged Teal 3

Double-crested Cormorant 13

Great Blue Heron 3

Great Egret 1

Snowy Egret 5

Reddish Egret 1

Green Heron 1

Northern Harrier 1

Red-shouldered Hawk 1

Red-tailed Hawk 2

American Coot 31

American Avocet 4

Black-bellied Plover 3

Least Sandpiper 6

Greater Yellowlegs 1

gull sp. 22, Rock Pigeon (Feral Pigeon) 3

Mourning Dove 15

Allen's Hummingbird 3

Belted Kingfisher 1

American Kestrel 2

Say's Phoebe 5

Common Raven 2

Northern Mockingbird 1

Common Yellowthroat 2

White-crowned Sparrow 45

Savannah Sparrow (Belding's) 1

Song Sparrow 1

Western Meadowlark 11

Red-winged Blackbird 6

House Finch 15

March 10, 2018

Los Cerritos Wetlands Hellman property, Orange, California, US

37 species (+4 other taxa)

American Wigeon 12

Mallard 7

Double-crested Cormorant 7

Great Blue Heron 7

Great Egret 3

Snowy Egret 14

Osprey 1

Northern Harrier 1

Cooper's Hawk 1

Red-tailed Hawk 2

hawk sp. 1

Killdeer 5

Western Sandpiper 5

Greater Yellowlegs 1

Willet 3

shorebird sp. 15

gull sp. 25

Forster's Tern 2

Mourning Dove 35

White-throated Swift 2

Allen's Hummingbird 7

hummingbird sp. 3

Belted Kingfisher 2

American Kestrel 2

Black Phoebe 3

Say's Phoebe 2

Cassin's Kingbird 4

American Crow 12

House Wren 5

Northern Mockingbird 2

Common Yellowthroat 3

Yellow-rumped Warbler (Audubon's) 8

White-crowned Sparrow 37

Savannah Sparrow (Belding's) 2

Song Sparrow 3

Lincoln's Sparrow 2

Western Meadowlark 5
Hooded Oriole 2
House Finch 35
Lesser Goldfinch 4
American Goldfinch 2

Los Cerritos Wetlands Hellman property, Orange, California, US

Apr 14, 2018

24 species (+2 other taxa)

Mallard 3
Great Blue Heron 1
Snowy Egret 6
Cooper's Hawk 1
Killdeer 1
gull sp. 2
Forster's Tern 2
Mourning Dove 4
Anna's Hummingbird 1
Allen's Hummingbird 11
Black Phoebe 2
Cassin's Kingbird 4
American Crow 5
Northern Rough-winged Swallow 4
Barn Swallow 2
Northern Mockingbird 1
European Starling 2
Common Yellowthroat 6
Yellow-rumped Warbler 2
White-crowned Sparrow 7
Savannah Sparrow 3
Savannah Sparrow (Belding's) 2
Song Sparrow 4
Hooded Oriole 3
House Finch 3
Lesser Goldfinch 3