

Los Cerritos Wetlands Authority

Date: February 3, 2017

To: Governing Board Members

From: Mark Stanley, Executive Officer

Subject: Item 8: Status Report on Workplan Implementation including Los Cerritos Wetlands Stewardship Program, Synergy Option Agreement, Real Property Land Owner Communications, and Grant Status Report.

BACKGROUND: In 2006 meeting, the Board adopted the Workplan process set forth below. An updated description of the status of each workplan item is detailed in the following table. In addition, Staff has prioritized the following projects for 2017.

| FEBRUARY 2017 WORKPLAN STATUS UPDATE | | |
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| 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 \$463,983 | 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. |
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| Task | Description | Status |
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| 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 |
| 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 |
| 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/ |
| 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. | Acquiring funds to conduct CEQA analysis to engage an environmental consultant contract. |
| 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 added to the property preserved for purity as public. | Review and Approval of the Final Appraisal for a secondary state review. |
| Los Cerritos Wetlands LLC Los Cerritos Wetlands Restoration and Oil Consolidation Project | Review and provide comments if necessary for the Draft EIR | May 4, 2017 |

| Task | Description | Status |
|--|--|---|
| Capital Projects & Initiatives | | |
| Bryant Retained Parcels | "Bryant" property is located in the City of Long Beach and comprised of 16.54 acres along the frontage of 2 nd Street- Westminster Avenue. | Staff and Legal Counsel are working with Steve Bryant and Kevin Brazil to complete an Appraisal Report for the acquisition of Assessor Parcel Nos 7237-020-053; 054. During closed session staff will discuss the completed Appraisal Reports and next steps. |
| 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, see Item 9. |
| LCWA Mitigation Policy | Staff will require consultant services in order to assist in the development of the mitigation policy and currently the FY16/17 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. |
| Public Access Improvement | Public access for wildlife viewing and enjoyment may involve site improvements. | Please refer to the attached Exhibit B: Los Cerritos Wetlands Stewardship Program updates for a full report. |
| Wetlands Restoration | Restoration and enhancement of existing wetlands function is one of the primary objectives of the LCWA. | 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 walks through December 2017. Please see the attached Los Cerritos Wetlands Stewardship Program updates for a full report. |

| Task | Description | Status |
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| 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. Staff is drafting a letter to the City of LA outlining concerns regarding the installation of the fence and possibly installing a fence that is more sensitive to the habitat. |
| 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/ | The Draft Environmental Impact Report and the public review period was completed on September 19, 2016. Staff continues tracking this planning effort as it progresses. Staff main concern is the final road development to complete Shopkeeper Road. |
| 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 | 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 certain oil facilities currently located on the LCWLLC Field and City-owned property to two off-site properties (LCWA OTD Parcel and Pumpkin Patch site). LCWLLC is currently analyzing various significant impacts such as the completion of Phase I and II, archaeological, biological assessments. |
| 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 |
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| Lease Agreements | | |
| <p>OTD/Edison Parcel Los Angeles County APN 7237-019-809</p> <p>Atkinson Construction Company Lease Agreement</p> <p>Lease Fee = \$2,050 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>Atkinson lease agreement utilizes only a portion of the OTD Parcel for storage of construction material. Atkinson 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 continue 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 |
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| Grants – COMPLETED | | |
| LCWA08001 Wildlife Conservation Board Hellman Acquisition Grant <u>Completed</u> | This grant funded the acquisition of the 100-acre Hellman property located in Seal Beach. Performance Period August 1, 2010 through December 30, 2010 Total Funding \$5,150,000 | The Los Cerritos Wetlands Stewardship Program was expanded to include the Hellman Properties to help fund the management of the properties. Access to the property has been limited to escorted tours. |
| LCWA08002 Coastal Conservancy OTD Parcel Feasibility Study <u>Completed</u> | This grant funded a wetlands restoration feasibility study for the 5.11-acre parcel, referred to as the OTD/Edison Parcel. Performance Period January 1 through June 30, 2010 Total Funding \$30,000 | The OTD/Edison Wetlands Feasibility Study provided the LCWA Board with the necessary information to recommend an action for the OTD Parcel. The OTD Parcel Feasibility Study was completed in June 2010 and recommended short and long term goals, which recommended leasing the OTD parcel as a short-term objective for acquiring additional funding for the LCWA. |
| LCWA08004 San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy Marketplace Marsh/Hellman Acquisition Related Costs <u>Completed</u> | This grant funded acquisition related expenditures such as closing costs for escrow, title report, property surveys and appraisal reports. These expenditures are not included as part of the WCB Grant for purchase of the Hellman Property. Performance Period September 1, 2008 through December 30, 2011 Total Funding \$60,000 | The scope of work was revised on December 2010 to include a wetland delineation report and an appraisal report for the City of Long Beach Marketplace Marsh. The Marketplace Marsh wetland delineation report was completed on May 2011. The appraisal report was revised and submitted for reviewed by DGS and it was determined a Property Survey and subsequently a lot-line adjustment is required before DGS approval of the Appraisal Report |
| LCWA08006 California Coastal Commission Whale Tail Grant <u>Completed</u> | This grant funded the Los Cerritos Wetlands Stewardship Program which includes volunteer events such as habitat conservation and trash clean-ups events while developing public appreciation of coastal wetlands. Performance Period: June 2010 through September 2011 Total Funding \$18,000 | The funding received from the Whale Tail® Grant funded five main components: 1.) adopt-a-wetland program 2.) development of a comprehensive volunteer database 3.) implementation of a weed eradication program for removal of non-native trees, shrubs and annual plant species 4.) conservation of southern tarplant and 5.) trash and debris control. |

| Task | Description | Status |
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| Grants – COMPLETED | | |
| LCWA08005 USFWS Coastal Program Zedler Marsh Revegetation <u>Completed</u> | This grant is restoring native coastal habitat for the benefit of fish and wildlife at Zedler Marsh located on the east parcel of the LCWA Phase 1 Properties. Performance Period May 1, 2010 through October 1, 2013 Total Funding \$41,400 | This grant provided funding to restore native coastal wetlands within Zedler Marsh and given the success of the restoration, USFWS awarded the LCWA funding for two years. The USFWS grant was completed on October 1, 2013 with much success and over 300 native plants were planted. |
| LCWA08007 San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy Los Cerritos Wetlands Conceptual Restoration Plan <u>Completed</u> | The LCWA obtained funding from the RMC to develop the Los Cerritos Wetlands Conceptual Restoration Plan, which is allowing the LCWA to develop a feasibility study with cost alternative analysis for restoration and enhancement of existing wetlands function. Performance Period July 26, 2010 through June 30, 2013 Total Funding \$450,000 | The LCWA hired Moffatt & Nichol to complete the CRP. Moffatt & Nichol completed the Final CRP and it is posted at http://www.intoloscerritoswetlands.org All funds were expended on June 30, 2014 and the remainder of the CRP is being funded through the Coastal Conservancy Grant. |
| California Native Plant Society South Coast Chapter Los Cerritos Wetlands Land Trust (LCWLT) <u>Complete</u> | LCWLT hired Tidal Influence, LLC to develop the scope of work, budget and timeline for the California Native Plant Society South Coast Chapter, Conze Bequest Grant. CNPS awarded the grant to LCW Land Trust on September 2014 and the work was completed in June 2016. Total Funding \$26,000 | The completed demonstration garden will act as an education tool to teach volunteers about the sensitivity of the native habitat at LCW. |
| Los Cerritos Wetlands Land Trust application for the Southern California Community Wetland Restoration Grant Program <u>Completed</u> | Los Cerritos Wetlands Land Trust in partnership with the LCWA applied for the Community Wetland Restoration Grant Program with the purpose to continue the wetland restoration at Zedler Marsh and help fund the Stewardship Program and expand the program to the Hellman Properties. Total Funding \$25,000 | Los Cerritos Wetlands Land Trust was awarded a grant in the amount of \$25,000 from the Community Wetland Restoration Grant Program 2011. This funding helped to fund the Los Cerritos Wetlands Stewardship Program from June 1, 2011 through December 30, 2012. |

| Task | Description | Status |
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| Grants – ACTIVE | | |
| <p>LCWA08009 Coastal Conservancy Grant</p> <p>Los Cerritos Wetlands Conceptual Restoration Plan</p> <p><u>Active</u></p> | <p>This grant provides additional funding to enable the LCWA to complete and include all properties if access is acquired from adjacent land owners to complete a comprehensive conceptual plan for restoration of the entire Los Cerritos Wetlands complex.</p> <p>Performance Period October 10, 2011 through June 30, 2017</p> <p>Total Funding \$225,000 Funding Remaining: \$44,389</p> | <p>The LCWA hired Moffatt & Nichol to complete the CRP.</p> <p>Moffatt & Nichol completed the Final CRP and it is posted at http://www.intoloscerritoswetlands.org</p> <p>The LCWA extended the CRP Contract with Moffatt and Nichol through January 31, 2017 in order to complete an additional technical report to determine data gaps of a soil contaminants assessment before commencement of the CEQA documents.</p> |
| <p>LCWA14001 Los Angeles County Regional Park and Open Space District for the Fourth Supervisorial District</p> <p>Zedler Marsh Urban Trails</p> <p><u>Active</u></p> | <p>The LCWA applied for the 2013 Competitive Trails Grant Program funds for the purpose of restoring public coastal access opportunities while stabilizing native coastal habitat within the Phase 1 properties specifically within Zedler Marsh.</p> <p>Performance Period March 4, 2014 through December 31, 2016 Total Funding \$105,600 Funding Remaining: \$0</p> | <p>The grant was completed on June 30, 2016 with the final installation of native plants along the improved trail system. In addition, trail interpretive signage were printed and installed and 3 new trail benches were along the trail system. Installed new irrigation for plantings along the trails system. Staff is completing invoicing and other administrative documents to close-out grant.</p> |
| <p>LCWA14002</p> <p>San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy</p> <p>Los Cerritos Wetlands Trails Improvement Project from the Funds</p> <p><u>Active</u></p> | <p>LCWA applied for matching grant funds for the Los Cerritos Wetlands Trails Improvement Project from the San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy which were awarded on June 23, 2014</p> <p>Performance Period March 4, 2014 through June 30, 2017 Total Funding \$98,00 Funding Remaining: \$86,000</p> | <p>The grant has completed the following items:</p> <ul style="list-style-type: none"> -5 public restoration events were completed to conduct restoration work along the trails -Installed irrigation system along trail system -Installed 700 native plants along the trail system -Removed 1500lbs of non-native vegetation along the trails system -Began removing mulch from future decomposed granite trail Installation of 7 interpretive kiosks Installation of decomposed granite trails |

| Grants – ACTIVE | | |
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| Task | Description | Status |
| National Coastal Wetlands Conservation Grant Application Active | The State Coastal Conservancy (SCC) applied on behalf of the LCWA for the NCWC grant. | 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. Currently the LCWA and SCC have been working with USFWS to re-assign the grant funds to the Bryant acquisition. |
| State Coastal Conservancy Proposition 1 Los Cerritos Wetlands Planning and Restoration Project | 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: \$500,000 | The LCWA was successfully awarded the grant funds for the CEQA Planning Document, implementation should commence immediately. |
| 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: \$350,000 | The LCWA was successfully awarded the grant funds for the CEQA Planning Document, implementation should commence immediately. |
| San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy Grant State Coastal Conservancy Proposition 1 Los Cerritos Wetlands Acquisition of the Bryant Properties Active | LCWA is seeking to acquire the frontage and remaining Bryant-Dakin Properties located along 2 nd 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). Performance Period February 1, 2017 through June 30, 2018 Total Funding \$1,000,000 Funding Remaining: \$1,000,000 | The LCWA was successfully awarded the grant funds and negotiations will commence immediately. |

| Consultant Contracts/Management Projects | | |
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| Task | Description | Status |
| <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: \$65,000</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>LCWA16001 Tidal Influence, LLC Property and Grant Management Services</p> <p><u>Active</u></p> | <p>The LCWA authorized a contract to Tidal Influence for grant management services, property management services for all the LCWA properties, coordination of the Stewardship Program and on-call services as necessary.</p> | <p>Please see attached Land Management Reports from August - October 2016. Performance Period March 1, 2016 through March 1, 2017 Total Funding: \$24,000 Remaining Funding: \$14,000</p> |
| <p>LCWA16002 Moffat & Nichol Contract for Hydraulic Modeling on the Synergy Oil and Gas Site</p> <p><u>Completed</u></p> | <p>Moffatt & Nichol was approached by consultants to Synergy to perform hydraulic modeling of their wetland mitigation bank. The contract will allow the LCWA to maintain control and management of any conceptual wetland restoration planning within the Los Cerritos Wetlands complex.</p> <p>Performance Period August 10, 2016 through December 31, 2016</p> <p>Total Funding: \$39,030 Remaining Funding: \$0</p> | <p>Moffatt & Nichol has completed the Hydraulic Study.</p> |
| <p>LCWA10006 Moffat & Nichol Los Cerritos Wetlands Restoration Plan</p> <p><u>Active</u></p> | <p>Los Cerritos Wetlands Conceptual Restoration Plan will allow the LCWA to develop a feasibility study with cost alternative analysis for restoration and enhancement of existing wetlands function.</p> <p>Performance Period August 2010 through January 31, 2017 Total Funding: \$633,370 Remaining Funding: \$0</p> | <p>The LCWA hired Moffatt & Nichol to complete the CRP.</p> <p>Final CRP is posted online at http://www.intoloscerritoswetlands.org</p> <p>The LCWA extended the CRP Contract with Moffatt and Nichol through January 31, 2017 in order to complete an additional technical report to determine data gaps of a soil contaminants assessment before commencement of the CEQA documents.</p> |

Item 8: Workplan Update

| Task | Description | Status |
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| <p>LCWA 13003 Los Cerritos Wetlands Stewards Homeless Liaison Contract Amended</p> <p><u>Active</u></p> | <p>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 farther the appreciation of the wetlands habitat conservation.</p> <p>Performance Period January 1, 2016 through December 30, 2017</p> <p>Total Funding: \$8,700 Remaining Funding: \$8,700</p> | <p>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.</p> |
| <p>Sey Future Enterprises</p> <p><u>Complete</u></p> | <p>Performance Period August 1, 2015 through December 30, 2015</p> <p>Total Funding: \$5,000 Remaining Funding: \$0</p> | <p>Contract to update and incorporate the CRP and LCWA websites into one robust website.</p> |
| <p>LCWA10005 Buss-Shelger and Associates, Inc. Marketplace Marsh Real Estate Appraisal Report</p> <p><u>Complete</u></p> | <p>Buss-Shelger and Associates was hired to complete the real estate appraisal report for the City of Long Beach Marketplace Marsh</p> <p>Performance Period April 4, 2011 through June 30, 2014</p> <p>Total Funding \$10,500 Remaining Funding: \$0</p> | <p>Buss-Shelger and Associates completed the appraisal report and it has been reviewed by Staff.</p> |
| <p>LCWA 10004 AECOM City of Long Beach Marketplace Marsh Wetland Delineation Study</p> <p><u>Complete</u></p> | <p>AECOM was hired to complete the wetland delineation report for the City of Long Beach Marketplace Marsh</p> <p>Performance Period December 9, 2010 through May 30, 2011</p> <p>Total Funding \$16,500 Remaining Funding: \$0</p> | <p>AECOM has completed the wetland delineation report for the City of Long Beach Marketplace Marsh and presented its findings in May 2011.</p> |

| Task | Description | Status |
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| <p>LCWA10003 Los Angeles County Department of Public Works</p> <p><u>Complete</u></p> | <p>LA County Public Works has proposed to abandon observation well 35T'24 located on the east parcel adjacent to Zedler Marsh.</p> <p>The LCWA and LA County Public Works staff worked cooperatively to obtain a Coastal Development Permit for the proposed well abandonment.</p> | <p>The well was removed at the surface February 7, 2011. In March 2012, the LCWSP successfully completed installed 68 plants.</p> <p>Staff will continue monitoring and reporting results to the Coastal Commission through 2015.</p> |
| <p>Memorandum of Understanding/Agreements</p> | | |
| <p>Long Beach Conservation Corp</p> | <p>Conservation Corps of Long Beach (CCLB) a nonprofit charitable 501 (c)(3) organization governed by a volunteer Board of Directors and one of the fourteen certified local conservation corps in the state of California contacted the LCWA for the purpose of developing a partnership and applying and receiving grant funds for the Zedler Marsh Trail Improvements Project.</p> <p>August 4, 2016 through December 30, 2021</p> | <p>The CCLB applied for and received a grant in the total amount of \$55,000 from the Proposition 40 California Clean Water, Clean Air, Safe Neighborhood Parks, and Coastal Protection Bond Act of 2002 for the Zedler Marsh Trail Improvement Project. The Proposition 40 Grant funds will be administered and implemented through CCLB and they will have the authority to construct, operate and maintain the project in accordance with the Grant Agreement provisions for a period of five years.</p> |
| <p>LCWA08008 Signal Hill Petroleum, Inc. Coastal Development Permit for Vegetation Removal</p> <p>LCWA Phase 1 Properties</p> <p><u>Active</u></p> | <p>Signal Hill Petroleum, Inc. conducts the following activities (1) removing vegetation, debris and soil from the stormwater 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.</p> <p>Performance Period March 1, 2016 through December 30, 2017</p> <p>Total Funding: \$20,000 Remaining Funding: \$20,000</p> | <p>Tidal Influence was contracted to manage MOA.</p> <p>Signal Hill Petroleum, Inc. annually provides \$10,000 to offset their impacts from proposed work. The LCWA is implementing the 2017 work plan as approved by the Coastal Commission in March 2016.</p> |

| Task | Description | Status |
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| <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: \$8,000</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 completed the Baseline Restoration Monitoring Report to Southern California Edison for the purpose of presenting the baseline conditions of the 0.16 acre restoration site at Zedler Marsh.</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 March 1, 2016 through March 1, 2018.</p> | <p>Please see the attached Los Cerritos Wetlands Stewardship Program Summary Report. For more information, please visit http://www.aquariumofpacific.org/give/membership/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 March 1, 2016 through March 1, 2018.</p> | <p>Please see the attached Los Cerritos Wetlands Stewardship Program Summary Report.</p> |
| <p>Memorandum of Agreement with the El Dorado Audubon</p> <p><u>Active</u></p> | <p>El Dorado Audubon is working with the LCWA to develop bird walks at LCWA Phase 2 properties.</p> <p>Performance Period March 1, 2016 through March 1, 2018.</p> | <p>Please see the attached El Dorado Audubon Society for a summary of the Los Cerritos Wetlands Nature/Bird Walks. For more information, please visit http://eldoradoaudubon.org/</p> |
| <p>Sea and Sage Monthly Bird Walks</p> | <p>Darrell Wilson leads monthly bird walks on the Hellman Properties.</p> | <p>Please see attached photos and reports on bird counts.</p> |

LOS CERRITOS WETLANDS AUTHORITY

PROGRAM UPDATES

Report November 2016 – January 2017

Currently the Los Cerritos Wetlands Authority owns approximately 172 acres of land composed of 67 acres located south of the intersection of Studebaker Road and Westminster Avenue, 100 acres in Seal Beach at Hellman Ranch, and 5 acres located on the northeast corner of Studebaker Road and Second Street. The purpose of this report is to update the Board on grant-funded work, the status of active agreements with other organizations, property management activities, and ongoing public and educational programs. In addition, this report provides an update on Tidal Influence, LLC Contract for Property and Grant Management Services which includes grant management services, Zedler Marsh Restoration, Coastal Commission MOA, CNPS Grant through the LCW Land Trust, and the Los Cerritos Wetlands Trails Improvement Project. Additionally, Tidal Influence provides services for facilitating and implementing the Los Cerritos Wetlands Stewardship Program (LCWSP) and periodically patrols the LCWA Properties to ensure vandalizing is prevented and the lands are properly managed.

The LCWSP since its inception on September 2009 has hosted over 400 public events. Land tours and habitat restoration events occur every first Saturday of each month, hosted by the Aquarium of the Pacific and Los Cerritos Wetlands Land Trust. Additionally, weekly Plant Propagation Party occurred every Friday which were hosted by Tidal Influence, LLC and during which dedicated volunteers met and propagated wetlands plants for future plantings at Zedler Marsh. Grants received from the LCW Land Trust, Los Angeles County Supervisors Board and the RMC provide funding for the LCWSP through December 2017, please see the attached flyer for upcoming public events.

In total the LCWSP has attracted over 4,700 volunteers whom collectively have provided over 10,200 hours of volunteer labor; in addition, these in-kind services value approximately \$432,000 (according to the independent sector) and have removed more than 50,000 pounds of trash and planted over 6,000 native plants.

MEMORANDUM OF AGREEMENTS:

1. The Aquarium of the Pacific continues their once a month citizen science project to monitor a population of green sea turtles living in the San Gabriel River in Long Beach. The Aquarium has partnered with representatives from the National Oceanic and Atmospheric Administration's Fisheries Service, LCWA Tidal Influence, and California State University, Long Beach for this project.
http://www.aquariumofpacific.org/news/story/citizen_science_project_seeks_volunteers
2. The Los Cerritos Wetlands Land Trust will provide the LCWA with stewardship services including activities such as organizing and engaging the community, providing tours of the property owned by the LCWA, informing groups and individuals about the value of the Los Cerritos Wetlands ecosystem, and participating in cleanups and other restoration measures involving the public. The first Saturday of each month, Los Cerritos Wetlands Land Trust leads nature walks throughout the wetlands. <http://lcwlandtrust.org>.

Currently the Los Cerritos Wetlands Land Trust applied for several grants in order to support the Stewardship Program and fortunately the California Native Plant Society grant was awarded and it is currently awaiting Coastal Development Permits from the Staff to implement the grant. The AOP and the LCWA Land Trust are great contributors to the Los Cerritos Wetlands Authority and have helped to fund the Stewardship Program through several years since the MOAs were signed in 2013. In addition, these non-profit partners have helped the LCWA achieve its mission of restoring Los Cerritos Wetlands by expanding the LCWSP beyond the Los Cerritos Wetlands.

As a team, we will continue to remove trash, perform ecological surveys, propagate plants, and implement the habitat enhancement plan at Zedler Marsh.

3. El Dorado Audubon has provided has been leading monthly bird walks on the second Saturday of the month for the Los Cerritos Wetlands Authority since 2009. Los Cerritos Wetlands is an Audubon Important Bird Area and 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. Please see the attached report for a summary of bird counts and visit <http://eldoradoaudubon.org> for more information.
4. Coastal Commission MOA. Tidal Influence recently completed the 2014-2015 Workplan which included a restoration team providing continually caring care for the habitats previously restored, focusing on the areas planted in the 2012-2013 season, which covered approximately 4 acres of 2 different habitat types. During the wet season (Oct-Dec), LCWSP installed approximately 1,050 native plants in alkali meadow and coastal sage scrub habitats, taking measures to protect plants against herbivores. The LCWA is has developed the 2016-2017 workplan, budget, timeline and tasklist and it was approved by the Coastal Commission with implementation to commence winter 2017.
5. Southern California Edison Company Memorandum of Agreement. 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. Tidal Influence was contracted to manage MOA. Staff completed the Habitat Mitigation and Monitoring Plan which allowed for procurement and installation of 425 salt marsh plants. In addition, Tidal Influence completed the Baseline Restoration Monitoring Report to Southern California Edison for the purpose of presenting the baseline conditions of the 0.16 acre restoration site at Zedler Marsh.

PROPERTY MANAGEMENT

Homeless Remediation

The Los Cerritos Wetlands Stewards have worked cooperatively with homeless advocates from the City of Long Beach since 2001, but additional assistance to permanently remove these encampments was necessary; therefore, the LCWA requested assistance from the City of Long Beach. The LCWA has hired Los Cerritos Wetlands Stewards to provide homeless remediation services. Los Cerritos Wetlands Stewards continue to coordinate efforts with the City of Long Beach and City of Seal Beach to relocate and remove homeless populations within Los Cerritos Wetlands including the State Lands Commission Parcel and Marketplace Marsh. Lenny Arkinstall has successfully removed several homeless encampments within the LCWA Phase 1 properties and these homeless encampments have not returned.

1. Los Cerritos Wetlands Stewards continues to monitor the LCWA properties and the City of Long Beach Marketplace Marsh, twice weekly for homeless encampments and provides assistance to the homeless population if accepted.
2. Additionally, the Los Cerritos Wetlands Stewards was given permission to call the police and place trespassing orders if the homeless population is recurring and are being difficult.
3. David Ingalsbe from the Mental Health of Los Angeles Village was assigned to help coordinate efforts to safely remove homeless encampments throughout the LCWA properties, and adjoining properties.

LCWA Phase 1 Parcels/Zedler Marsh Native Plant Nursery

1. Tidal Influence has maintained a presence on the LCWA properties, and coordinated public access with oil operations and other activities taking place on the land. Tidal Influence as part of their contract have performed routine site visits and reported or redirected all non-beneficial uses.

2. Tidal Influence continues to manage, develop and implement new volunteer projects to continue to maintain the integrity and sustain Zedler Marsh Native Plant Nursery.
3. Coordinated the trimming of OTD parcel trees along Studebaker and 2nd Street to comply with the City Of Long Beach Public Works request.
4. Coordinated with SHPI staff to retire unused roads on west parcel. Implemented road delineation by driving in six foot tall metal posts along road edges after dig alert was performed. Informed program partners of SHPI oil operation maintenance.

LCWA Phase 2/Hellman Properties

1. Los Cerritos Wetlands Stewardship Program has continued to utilize this site as a temporary meeting place for volunteers to park and review the rules before safely entering into Zedler Marsh and other LCWA Properties.

PUBLIC EVENTS AND EDUCATION PROGRAMS

1. Please see the attached Calendar of Events for upcoming land tours for the Los Cerritos Wetlands Stewardship Program. Additionally upcoming public events are also posted on the LCWA website lcwetlands.org; intoloscerrtiowetlands.org and facebook page at [Save Los Cerritos](#).
2. Our partnership with Signal Hill Petroleum Inc. continues to grow as they have provided us with three disposal bins, covered the cost of debris disposal, promoted outreach, and provided portable restrooms for our events. Signal Hill Petroleum's staff is working with us to determine the best way to reduce the impacts of oil operation vehicle access by better delineating access roads.
3. Gate installations were completed at State Lands Commission parcel to allow for safe passage from the Hellman Property and onto the San Gabriel River bike trail.

**El Dorado Audubon Society
California Chapter of The National Audubon Society
Los Cerritos Wetlands
LCWA Nature/Bird Walks
January to December 2016**

Summary

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 both Los Angeles and Orange County, Laguna Canyon, Riverside, San Gabriel Valley, Las Vegas and Bakersfield.

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.

Volunteer Hours

January through December 2016: 974

Hours at \$22.00/hour: \$21,428

Highlights by Month – October through December 2016

October

Birders and nature lovers observed 21 avian species. Highlights included a flock of Snowy Egrets, Canada Goose and White-crowned Sparrows.

November

Birders and nature lovers observed 35 avian species. Highlights included Northern Pintail, Least Sandpiper, and Western Sandpiper.

December

Participants observed 32 avian species including Northern Pintail, herons, egrets and shorebirds and songbirds.

Los Cerritos Wetlands Hellman property, Orange, California, US

Oct 8, 2016 8:00 AM - 10:00 AM

Comments: Cloudy, 75 degrees, wind 3 mph

19 species (+2 other taxa)

Canada Goose 25

Double-crested Cormorant 5

Great Blue Heron 1

Great Egret 5

Snowy Egret 19

Red-tailed Hawk 1

Killdeer 1

Least Sandpiper 4

Greater Yellowlegs 1

Willet 1

gull sp. 15

Mourning Dove 53

Belted Kingfisher 2

Black Phoebe 2

Say's Phoebe 1



Great Blue Heron in Flight

Copyright Bob Morrison, December 10, 2016

American Crow 15
House Wren 1
Northern Mockingbird 2
Common Yellowthroat 2
White-crowned Sparrow 17
Acanthis/Spinus sp. 12
View this checklist online at <http://ebird.org/ebird/view/checklist/S32212734>
This report was generated automatically by eBird v3 (<http://ebird.org>)

Los Cerritos Wetlands Hellman property, Orange, California, US
Nov 12, 2016 8:00 AM - 10:00 AM

Comments: Cloudy, Temperature 65 to 70 degrees, wind 7 mph
35 species (+4 other taxa)

Northern Pintail 12
Great Blue Heron 2
Great Egret 2
Snowy Egret 1
Turkey Vulture 1
Osprey 2
White-tailed Kite 1
Northern Harrier 1
Cooper's Hawk 1
Black-bellied Plover 1
Killdeer 4
Least Sandpiper 7
Western Sandpiper 5
Short-billed/Long-billed Dowitcher 14
Greater Yellowlegs 1
Willet 4
Western Gull 3
California Gull 1
gull sp. 27
Mourning Dove 7
Anna's Hummingbird 2
Allen's Hummingbird 3
hummingbird sp. 1
Belted Kingfisher 1
Black Phoebe 2
Say's Phoebe 2
Cassin's Kingbird 2
American Crow 3
Northern Rough-winged Swallow 1
Bushtit 3
House Wren (Northern) 2
European Starling 40
Common Yellowthroat 3
White-crowned Sparrow 13
Savannah Sparrow 4
Savannah Sparrow (Belding's) 3
Song Sparrow 1
Western Meadowlark 3
House Finch 5

View this checklist online at <http://ebird.org/ebird/view/checklist/S33788043>
This report was generated automatically by eBird v3 (<http://ebird.org>)



**Los Cerritos Wetlands Hellman property, Orange, California, US
Dec 17, 2016 2:30 PM - 4:30 PM**

Protocol: Traveling

1.0 mile(s)

Comments: Clear, Temperature 60-65 degrees, Wind 3 mph

31 species (+1 other taxa)

Canada Goose 18

Gadwall 3

Mallard 11

Northern Pintail 20

Ruddy Duck 2

Western Grebe 2

Double-crested Cormorant 31

Great Blue Heron 5

Great Egret 2

Snowy Egret 2

Black-crowned Night-Heron 2

Turkey Vulture 1

Osprey 1

Red-tailed Hawk 2

American Coot 4

American Avocet 2

Long-billed Dowitcher 5

Greater Yellowlegs 1

Willet 1

Heermann's Gull 1

Ring-billed Gull 1

Western Gull 2

gull sp. 65

Mourning Dove 7

American Kestrel 2

Black Phoebe 1

Say's Phoebe 4

American Crow 1

European Starling 80

Yellow-rumped Warbler (Audubon's) 3

White-crowned Sparrow 48

Song Sparrow 1



Northern Harrier

Copyright Kim Moore, January 26, 2017

Los Cerritos Wetlands Hellman property, Orange, California, US

Jan 14, 2017 8:00 AM - 10:00 AM

Protocol: Traveling

2.0 mile(s)

Comments: Cloudy, Temperature 65 to 70 degrees, wind 3 mph, recent late December 2016 and January 2017 rains, most since 2010/2011

43 species (+8 other taxa)

Canada Goose 7

American Wigeon 59

Mallard 12

Northern Pintail 24

Green-winged Teal 12

teal sp. 25

duck sp. 10

Double-crested Cormorant 12

Great Blue Heron 2

Great Egret 2

- Snowy Egret 3
 - Osprey 1
 - Northern Harrier 1
 - Cooper's Hawk 1
 - Red-tailed Hawk 2
 - American Coot 5
 - Black-bellied Plover 1
 - Killdeer 6
 - Western Sandpiper 1
 - peep sp. 15
 - Spotted Sandpiper 1
 - Willet 16
 - shorebird sp. 8
 - Ring-billed Gull 1
 - Western Gull 17
 - gull sp. 32
 - Rock Pigeon (Feral Pigeon) 1
 - Eurasian Collared-Dove 1
 - Mourning Dove 7
 - Anna's Hummingbird 2
 - Allen's Hummingbird 2
 - Belted Kingfisher 1
 - American Kestrel 2
 - Black Phoebe 3
 - Say's Phoebe 6
 - Cassin's Kingbird 2
 - American Crow 5
 - Tree Swallow 1
 - swallow sp. 1
 - Northern Mockingbird 2
 - Common Yellowthroat 2
 - Yellow-rumped Warbler (Audubon's) 3
 - White-crowned Sparrow 28
 - Savannah Sparrow 9
 - Savannah Sparrow (Belding's) 6
 - Song Sparrow 7
 - sparrow sp. 23
 - Red-winged Blackbird 2
 - House Finch 2
 - Lesser Goldfinch 18
 - House Sparrow 8
- View this checklist online at <http://ebird.org/ebird/view/checklist/S33672426>
This report was generated automatically by eBird v3 (<http://ebird.org>)



**Exhibit A:
Land Management Reports**



1340 E. Florida St.
Long Beach, Ca 90802
Info@Tidalinfluence.com

Field Report

To: Luz Quinnell, LCWA

From: Eric Zahn, Tidal Influence, LLC

Cc: Mark Stanley, LCWA; Eric Zahn, Alene Spindel, & Tia Blair, Tidal Influence

Date: November 30th, 2016

Subject: Land Management Field Report

Sites Inspected: Zedler Marsh, Bryant Lease West, Hellman/Gum Grove, State Lands Parcel, & OTD Parcel
Inspection Date: 11.25.2016

Note: The locations of critical observations and issues noted in this document are called out on the map on the final page.

OTD Parcel

1. Gates –
 - a. The LCWA lock was replaced on the gate. We informed both lessees to leave this lock in place.
 - b. The entrance gate needs barbed wire installed on it. A small gap between two posts needs to be closed. **We recommend hiring a fence contractor. The DNS washout employee who is onsite informed me that he can provide a quote to perform the repairs**
2. Trails – OK
3. Fences – Barbed wire needs to be replaced on the portion of the fence line that is nearest the entrance gate. A break in the fence was observed. **We recommend hiring a fence contractor.**
4. Homeless – Two abandoned encampments were observed, one that has been present since June 2016. **We recommend these encampment is immendiatly remediated.** All trash and debris needs to be dicarded.
5. Other – Graffiti is still visible from Studebaker Rd. **We recommend that Atkinson Construction should be contacted to have it removed.**



New Encampment

Zedler Marsh

6. Gates – The lock on the gate at Callaway marsh was replaced.
7. Trails – The new trail system construction is completed!
8. Fences – OK
9. Other –
 - a. 1 coyote cam is still active in this area
 - b. Signal Hill Petroleum completed cleaning out their spill prevention basins and repairing roads with the sediment. This work was all in accordance with an existing CDP.
 - c. Well 32 is actively being worked on by SHP. It is being transferred from a production well to a water injection well.



SHPI Basin Clearing

State Lands Parcel

10. Gates – OK
11. Trails – OK –

12. Fences – Vegetation is growing out of control along the driveway fence line. **We recommend that this vegetation be cleared in order to assure security of the site.**
13. Homeless – OK



Hellman

14. Gates – OK
15. Trails – OK -
16. Fences –OK
17. Homeless – OK
18. Other – 3 coyote cams are still active on this property.

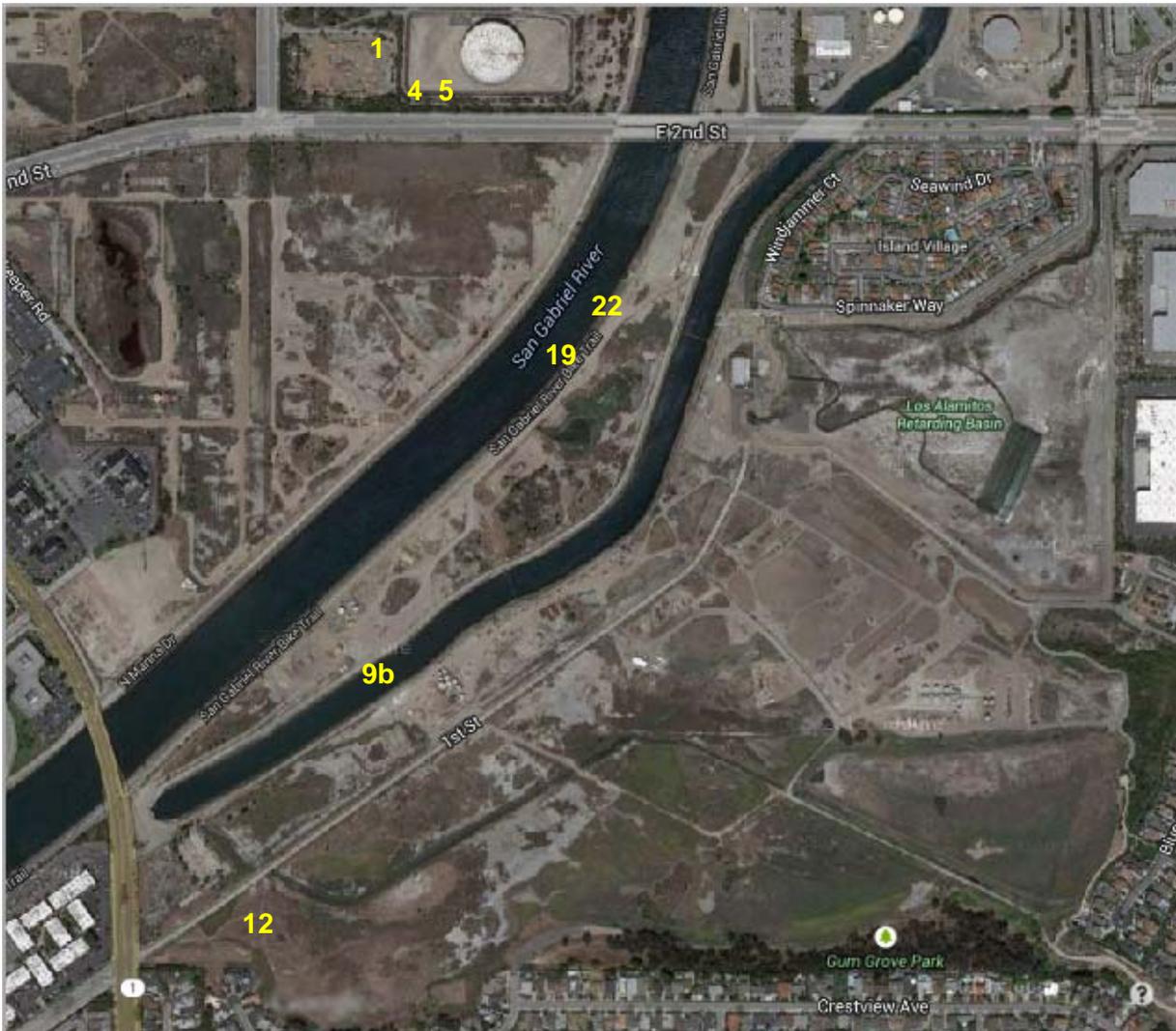
Bryant Lease West

19. Gates – Gates along levee were locked for about 1 week. Now all the locks and chains have been removed and all gates are now open. **We recommend LCWA staff meeting LA County to determine a new approach to securing this property. We recommend that lock boxes are installed on the gates.**
20. Trails – OK
21. Fences – OK
22. Homeless – Two encampments were removed however 4 encampments (3 abandoned and 1 active) still exist on this property, 3 of which have been reported since June 2016. **We recommend that these encampments are immendiately remediated.** All trash and debris needs to be dicarded.
23. Other – 1 coyote cam is still active in this area



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. This includes all issues except for homeless encampments which are detailed in the attached homeless report.



**Exhibit B:
Los Cerritos Wetlands Stewardship Program Summary Report
November 2016 – January 2017**

LOS CERRITOS WETLANDS STEWARDSHIP PROGRAM SUMMARY REPORT NOVEMBER 1, 2016 – JANUARY 25, 2017

Los Cerritos Wetlands Authority

Nature Walks

Turtle Trek, Raptor Ramble, Heron Hike

Nature walks supported by the Los Cerritos Wetlands Land Trust continue to be a significant draw for the community. People from all over the California coast line participated in nature walks from November - January. In the last 3 nature walks, approximately 75 community members have enjoyed hiking through the wild and urban terrain of Los Cerritos Wetlands, catching rare glimpses of its wildlife and natural beauty (Figure 1). Each walk begins at 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.

Restoration Events

Community volunteers participated in special restoration events at Zedler Marsh in Los Cerritos Wetlands between November and January of this year (Figure 2). During these months, 115 community volunteers contributed 230 volunteer hours, planted 245 native plants and collected and spread native seeds around the Zedler Marsh Trail restoration areas. The Stewardship Program also supported college intern Crew Days on every Friday of each month through the month of November. Crew Days accomplished many goals for the Stewardship Program, Los Alamitos Pump Station restoration project, the developing Zedler Marsh Trails Project and the Zedler Marsh native plant growspace. Crew Day college students contributed 84 hours during November to propagate 1,100 native plants in the growspace facility, removed 500 lbs of nonnative vegetation, and enhanced mulch trails in Zedler Marsh trail system. **Restoration events and Crew Days contributed \$7,303.60 of in-kind services between November and January.** To volunteer for an event, meet at 1st street and Pacific Coast Highway in Seal Beach at 10:30am on the 1st Saturday of the month. To request a restoration or education event for your group or organization, please contact iwanttohelp@tidalinfluence.com.

Special Events

Four special events were hosted from November - January. Stewardship Program Coordinators hosted three Long Beach City College classes of Marine Biology and Wildlife Biology students for service-learning trips to Zedler Marsh (Figure 3 & 4). 98 students participated to plant 185 native plants along the Zedler Marsh Trails to enhance upland habitats. The Stewardship Program also hosted a planting training day with Conservation Corps of Long Beach who installed 65 plants along the Zedler Marsh Trails. **Special events contributed 242 volunteer hours, planted a total of 250 plants and contributed a value of \$5,667.64 in in-kind services.** Thank you to all Los Cerritos Wetlands Stewardship Program partners, supporters and volunteers. The continued community support pushes this growing conservation effort forward!



FIGURE 1. LAND TOURS IN LOS CERRITOS WETLANDS...COME RAIN OR SHINE THIS SEASON!



FIGURE 2. HABITAT RESTORATION EVENTS NOVEMBER - JANUARY



FIGURE 3. LBCC STUDENTS AND STAFF PARTICIPATE IN SERVICE LEARNING ACTIVITIES AT ZEDLER MARSH



FIGURE 4. LBCC STUDENTS AND CONSERVATION CORPSMEMBERS INSTALLING VEGETATION AT ZEDLER MARSH TRAILS