

NATURAL AND CULTURAL RESOURCES COMMITTEE

EAST BAY REGIONAL PARK DISTRICT  
2950 Peralta Oaks Court  
Oakland, CA

Wednesday, August 19, 2015

12:30 – 2:30 pm,

**Richard C. Trudeau Training Center \***  
**11500 Skyline Boulevard, Oakland**

The following agenda items are listed for Committee consideration. In accordance with the Board Operating Guidelines, no official action of the Board will be taken at this meeting; rather, the Committee's purpose shall be to review the listed items and to consider developing recommendations to the Board of Directors.

---

AGENDA

---

STATUS	TIME	ITEM	STAFF
(I)	1:30	Brief Overview of District Comments on SFPUC Little Yosemite Fish Passage Project	(Graul)
(I)	1:40	Blue-Green Algae Update in District Lakes	(MacLean)
(I)	2:10	California Least Tern Reproductive Success and California Gull Predator Management	(Rienschke)
(I)	2:40	Cultural Services Coordinator Update	(Ortiz)
(D)	2:55	Future Agenda Items	(Graul)
(D)	3:00	Public Comment	(Lane)
(R)		Recommendation for Future Board Consideration	
(I)		Information	
(D)		Discussion	

Board Natural and Cultural Resources Committee Members:  
Beverly Lane (Chair), Diane Burgis, Whitney Dotson, John Sutter (Alternate)  
Bob Nisbet, Staff Coordinator

**\*PLEASE NOTE LOCATION CHANGE**

Staff

Yolande Barial  
Chris Barton  
Doug Bell  
Steve Bobzien  
Julie Bondurant  
Raphael Breines  
Casey Brierley  
Diane Burgis  
Susan Chambers  
Dave Collins  
Dan Cunning  
Denise Defreese  
Robert E. Doyle  
Dave Drueckhammer  
Ron Gartland  
Matt Graul  
Kara Hass  
Michelle Julene  
Anne Kassebaum  
Hal MacLean  
Jeff Manley  
Mary Mattingly  
Paul Miller  
Mike Nolan  
Bob Nisbet  
Jim O'Connor  
Beverly Ortiz  
Meg Peterson  
Lane Powell

Mark Ragatz  
Dave Riensche  
Robin Secrist  
Jessica Sheppard  
Doug Siden  
Elmer Sorto  
Dania Stoneham  
Joe Sullivan  
Connie Swisher  
Kevin Takei  
Larry Tong  
Denise Valentine  
Carol Victor  
Dennis Waespi

Public

Judi Bank  
Bruce Beyaert  
Afton Crooks  
Rich Guarienti  
Robert Hines  
David Julian  
Ralph Kanz  
Jakki Kehl  
Norman LaForce  
Glen Lewis  
William McClung  
Peter Rauch  
Robert Wills

## AGENDA SUMMARY

1. Brief Overview of District Comments Regarding the SFPUC's Little Yosemite Fish Passage Project (Graul)

Chief of Stewardship, Matt Graul will provide a brief overview of the District's comments regarding the SFPUC's proposed Little Yosemite Fish Passage Project.

2. Blue-Green Algae update in District Lakes (MacLean)

Water Management Supervisor, Hal MacLean, will update the Committee on the status cyanobacteria/blue-green algae blooms in the District's lakes. Over the past year, the District has had a number of cyanobacteria blooms that contain a toxic component. The presence of this toxin has closed Lake Temescal and Quarry Lakes to swimming. It is currently unknown why cyanobacteria produce toxins. There are several potential strategies to combat cyanobacteria blooms, though all treatments will require a significant investment of District financial resources and none are guaranteed to work. The Water Management and IPM Departments are working together to develop an effective strategy for managing and treating these blooms in the District's lakes. Hal will discuss the challenges for developing control methods and give updates on the ongoing efforts to develop treatments to combat this formidable foe.

3. California Least Tern Reproductive Success and California Gull Predator Management (Rienschke)

Gull predation is known to be an important source of egg and chick mortality for many waterbirds and can impact recovery efforts for special status species. From 2005 to 2014, the nesting success of a newly established California least tern (*Sternula antillarum brownii*) colony at Hayward Regional Shoreline in San Francisco Bay and the effects of implementing a California Gull (*Larus californicus*) predator control program was studied. No gull management was undertaken prior to 2007. The effectiveness of gull management and removal by monitoring tern hatching and fledgling success annually was evaluated. California Gulls were the most abundant aerial predators (96%). Recorded were 4,788 predatory gull-tern interactions and the presumptive take of 47 tern eggs and 21 chicks. Although there was no significant change in gull predatory behavior statistically, gull management efforts resulted in significantly improved tern breeding success (numbers of nests, eggs, chicks, and fledglings). From 2007 to 2014, this colony produced a total of 543 successful nests and 653 fledglings, an average nesting density of 196 nests per ha, and an average of 1.05 fledglings per breeding pair. The District's California Least Tern Colony is the second-largest colony north of Ventura County. Based on a California Department of Fish & Wildlife Annual Reports, the District's colony ranks in the top six sites in state, each annually producing 90 or more fledglings, and contributing to nearly 70% of California's annual Least Tern production!

4. Cultural Services Coordinator Update (Ortiz)

Cultural Services Coordinator, Beverly Ortiz will provide a brief informational update of projects undertaken since the previous committee meeting.