

NATURAL AND CULTURAL RESOURCES COMMITTEE

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

Wednesday, May 20, 2015  
**1:30 – 3:30 pm, Board Room \***

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	Alameda Creek Riparian Bird Community Occupancy Analyses	(Rienschke)
(I)	2:00	Livestock Management for Environmental Services	(Defreese)
(I)	2:30	Cultural Services Coordinator Update	(Ortiz)
(D)	2:45	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 TIME 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  
Warren Schultz  
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

### I. Alameda Creek Riparian Bird Community (Riensch)

Alameda Creek comprises one of the largest watersheds in the South San Francisco Bay. It provides refuge to a number of special status species, including an array of Neotropical migrant birds, along the 14 mile stretch that flows through Sunol Regional Wilderness Area.

Stewardship surveyed birds with point counts during each breeding season from 2007 through 2011. Over the five year study, 2,596 bird detections were recorded, including 57 species (7 riparian and 12 oak woodland conservation planning species). Multiple-species hierarchical Bayesian occupancy models were used to assess species occupancy and point richness to identify possible associations with vegetation, landscape characteristics, and stream reach location.

The highest species richness, as well as the highest focal species occupancy and richness, occurred along the upper stream reach section of Alameda Creek where elevation is higher and human activity is much lower. Vegetation factors were less influential on species occupancy than stream reach position. Unfortunately, there is no data that allows for addressing human use effects directly, as the number of visitors to the reaches is correlated with elevation. The results suggest elevation, topography, and human use patterns influence bird species richness and abundance in this riparian system.

### 2. Livestock Management for Environmental Services (Defreese)

Andrée Soares, Owner/President and Brittany 'Cole' Bush, Project manager of Star Creek Land Stewards will provide a visual presentation and short overview of services they have provided to the East Bay Regional Park District and other public land managers as a contractor for the fuel break and environmental stewardship services at the Serpentine Prairie, East Shore State Park and over a half dozen EBRPD parks.

### 3. Cultural Services Coordinator Update (Ortiz)

Cultural Services Coordinator Bev Ortiz will inform the Committee that her proposed five year plan will be presented on Thursday, May 21 to the Board Operations Committee.