

ESTUARINE CONNECTIVITY SYMPOSIUM

University of California Davis

Conference Center

Tuesday February 18th 2020

8:00 **REGISTRATION AND COFFEE**

8:30-8:40 **WELCOME**

LOUISE CONRAD, Delta Science Program Deputy Executive Officer, Delta Stewardship Council

8:40-9:55 **SESSION 1: WHAT IS CONNECTIVITY AND WHY IS IT IMPORTANT?**

MODERATOR: **ANNIKA KEELEY**

8:40-9:05 **MATHIAS KONDOLF**, University of California Berkeley

Hydrologic connectivity: An overview

9:05-9:30 **JUSTIN YEAKEL**, University of California Merced

Rescue, extinction, and species interactions on complex landscapes

9:30-9:55 **PATRICK HUBER**, University of California Davis

Terrestrial connectivity: An overview from across California

9:55-10:10 *Break (15 min)*

10:10-11:50 **SESSION 2: CONNECTIVITY CONCEPTS**

MODERATOR: **DAN CONSTABLE**

10:10-10:30 **MARISSA BASKETT**, University of California Davis

Genetic and demographic effects of connectivity in variable environments

10:30-10:50 **ALEXANDER FREMIER AND AMANDA STAHL**, Washington State University

Bridges and barriers to re-building ecological resilience through coordinated riverine conservation

10:50-11:10 **DENISE COLOMBANO**, University of California Davis

Mount to marsh: A watershed view of fish habitats along the estuarine-terrestrial gradient

11:10-11:30 **ROBIN STEWART**, United States Geological Service

Connecting selenium loads, exposures and effects in the endemic, demersal Sacramento Splittail

11:30-11:50 **JON AMBROSE**, National Oceanic and Atmospheric Administration

Connectivity for salmon above the dams

11:50-1:15 **LUNCH** (1 h 25 min)

1:15-1:30 **LETITIA GRENIER**, San Francisco Estuary Institute

A holistic look at change in Delta Landscape Connectivity over time: Past, present and future

1:30-2:50 SESSION 3: CASE STUDIES IN THE DELTA: TERRESTRIAL CONNECTIVITY

MODERATOR: **MELANIE GOGOL-PROKURAT**, California Department of Fish and Wildlife

1:30-1:40 ANGELA LAWS, Xerces Society

Habitat connectivity for pollinators in the Sacramento-San Joaquin Delta

1:40-1:50 TOM DILTS, University of Nevada Reno

Connectivity assessment for pollinating insects in the Sacramento Valley

1:50-2:00 JOHN GALLO, Conservation Biology Institute

Mapping terrestrial habitat connectivity priority areas in the Delta

2:00-2:10 BLAKE BARBAREE, Point Blue Conservation Science

Human and environmental influences on connectivity and bird movements in the Sacramento-San Joaquin Delta

2:10-2:20 VALERIE COOK, California Department of Fish and Wildlife

TBD

2:20-2:50 PANEL DISCUSSION

2:50-3:10 BREAK (20 min)

SESSION 4: Case Studies in the Delta: Aquatic connectivity

MODERATOR: **PASCALE GOERTLER**

3:10-3:20 ANNA STURROCK, University of California Davis

Tracking fish and their food across a heterogeneous riverscape: How well does the Delta support juvenile salmon during droughts and floods?

3:20-3:30 CYRIL MICHEL, National Oceanic and Atmospheric Administration

Fish predation on a landscape scale

3:30-3:40 JON BURAU, United States Geological Service

Examples of tidally driven connectivity between landscape features in Suisun Bay and the Sacramento-San Joaquin River Delta.

3:40-3:50 JOHN DURAND, University of California Davis

Unexpected hotspots of biological productivity along aquatic-terrestrial interfaces in the Delta and Suisun Marsh

3:50-4:20 PANEL DISCUSSION

4:20-4:30 SUMMARY AND ADJOURN