

**M & T / Llano Seco Fish Screen Facility  
Short-Term/Long-Term Protection Project**

Technical Review and Recommendation Workshop

**March 17 – 19, 2004**  
Llano Seco Ranch Headquarters  
Chico, CA

**A G E N D A**

**Wednesday  
March 17, 2004**

- 10:30 a.m. Meet at Oxford Suites, 2035 Buisness Lane, Chico, CA 95928\*  
Caravan to **Scotty's Landing**, 12609 River Road, Chico, CA\*\*
- 12:00 noon Working Lunch  
**Introductions**  
**Review and Discuss Summary of Orientation and Information Workshop**  
  
Site visit along river if necessary
- 4:00 p.m. Caravan back to Oxford Suites
- 6:00 p.m. No Host Dinner  
Italian Cottage, Chico, CA

**Thursday  
March 18, 2004**

- 8:00 a.m. Meet at **Llano Seco Ranch Headquarters**, 8369 Hugh Baber Lane, Chico, CA\*\*\*
- 8:30 a.m.  
9:00 a.m. Workshop Facilitator – Olen Zirkle, Mgr., Conservation Programs, Ducks Unlimited, Inc.
- Introductions**
- Review of Steering Committee Charge**
- Fundamental Questions to be Addressed**
- Goals and Objectives**
- Working Hypotheses and Investigative Approaches - Hypothesis Testing**
- Purpose of the Steering Committee**
- 9:00 a.m.  
12:00 noon **Presentation of Preliminary Technical Review**
- Technical Review – River Meander and Sediment Deposition**  
Geologic and Geomorphic Setting - Michael Harvey, Principal  
Geomorphologist, Mussetter Engineering, Inc.  
Meander Bend and Gravel Bar Migration near River Mile 192.75 of the  
Sacramento River - Eric Larsen, Research Scientist Geology

River Realignment and Bank Protection - Michael Harvey, Principal Geomorphologist, Mussetter Engineering, Inc.  
Bed-Load Transport in Sacramento River Near the M&T Pumping Plant – Robert Mussetter, Mussetter Engineering, Inc. and Yantao Cui, Research Scientist Hydrology/Geomorphology  
Summary - Michael Harvey, Principal Geomorphologist, Mussetter Engineering, Inc.

**Technical Memorandum**

Introduction: Neil Schild, Montgomery Watson Harza

**Scenario #1 – Installation of Additional “Tee” Fish Screen approx. 500 ft West of the Existing Diversion**

Neil Schild, MWH Americas

**Scenario #2 – Ground Water Extracted from Production Wells**

John Skowronek, Sr. Engineer, MWH Americas

**Scenario #3 - Ground Water Extracted from Ranney Wells**

Neil Schild, MWH Americas

**Scenario #4 – Installation of Rock Groins Similar to the Cal-Trans Project at Butte City**

Michael Harvey, Principal Geomorphologist, Mussetter Engineering, Inc.

**Fish Screen Criteria – Standards and Range of Flexibility**

Paul Ward, Assoc. Fishery Biologist, Region 2, Calif. Dept. of Fish & Game

Howard Brown, Fishery Biologist, Nat’l Atmospheric & Oceanic Admin.

Dennis Dorratcauge, Principal Engineer, MWH Americas

12:00 non

1:00 p.m.

Lunch

1:00 p.m.

5:00 p.m.

**Test the Technical Reviews with the Hypothesis and Conceptual Model.**

**Identify Uncertainties and Risks**

**Identify Fatal Flaws**

5:00 p.m.

**Adjourn**

6:00 p.m.

Hosted Dinner

Outback Steakhouse

**Friday**

**March 19, 2004**

8:00 a.m.

8:30 a.m.

Meet at **Llano Seco Ranch Headquarters**

**Opening Remarks – Introductions**

9:00 a.m.

**Prioritize Major Findings, Conclusions and Recommendations**

## Next Steps

11:00 a.m.  
11:30 a.m.      **Set date and agenda to reconvene Steering Committee (conference call).  
Adjourn**

11:30 a.m.  
12:00 noon      Lunch

### \*Oxford Suites

Driving northbound on Hwy 99. Exit East 20<sup>th</sup> Street  
Turn right on East 20<sup>th</sup>  
Take first immediate right  
Proceed an 8<sup>th</sup> of a mile  
Hotel located on left.  
Driving southbound on Hwy 99. Exit East 20<sup>th</sup> Street  
Street at light turn left  
Cross overpass  
Take fist immediately right to Frontage Road to Northbound 99  
Proceed an 8<sup>th</sup> of a mile  
Hotel located on left.

### \*\*Scotty's Landing

From Sacramento International Airport:  
From the car rental facility at the airport, proceed south on Airport Blvd. to the intersection of Interstate 5.  
Proceed west (right) on I-5 to Woodland then continue north on I-5 to the intersection of I-5 and State Highway 32 (Orland, CA).  
Proceed east on Highway 32, crossing the Sacramento River.  
Right (south) on River Road (right after the bridge rail).  
Scotty's is located at 12609 River Road.

### \*\*\*Llano Seco Ranch Headquarters

From Sacramento:  
Proceed north on I-5 to Bayless Blue Gum Exit  
Right to County Rd Old Highway 99, then left to County Rd. 39. (1/8 mile)  
Proceed on Rd. 39 to the intersection with Highway 45.  
Left on Highway 45 (north) to the town of Ord.  
Right on Rd 32 (north edge of town of Ord) across the Sacramento River approximately 3-4 miles to the Llano Ranch entrance.  
Right into the ranch (Tree-lined drive with large trees on both sides of the road) approximately 1 mile to the ranch headquarters. Meeting place is the large building on the left of the headquarters' compound.