State of California

Memorandum

Date: January 16, 2009

To: Mr. Will Travis
San Francisco Bay Conservation
and Development Commission
50 California Street, Suite 2600
San Francisco, CA 94111

Attention: Robert Batha

Mr. Bruce Wolfe
San Francisco Bay RWQCB
1515 Clay Street, Suite 1400
Oakland, CA 94612

Attention: Andree Greenberg

CHARLES ARMOR ORIGINAL SIGNED BY
COPY ORIGINAL SIGNED BY
CHARLES ARMOR

From : Charles Armor, Regional Manager
Department of Fish and Game – Bay Delta Region, Post Office Box 47, Yountville, California 94599

Subject : Submittal of Start-up Report for San Francisco Bay Regional Water Quality Control Board Permit (RWQCB Order No. R02-2004-0063, amended May 9, 2007) and San Francisco Bay Conservation and Development Commission Permit (Permit # 8-04, Amendment #1 dated January 18, 2008) Requirements; California Department of Fish and Game, Napa-Sonoma Marshes Wildlife Area, Napa Plant Site Restoration Project, Napa County

This memorandum of transmittal and attached summary data satisfy the California Department of Fish and Game's (DFG) required start-up report by the San Francisco Bay Regional Water Quality Control Board Permit (RWQCB Order No. R02-2004-0063, amended May 9, 2007) and the San Francisco Bay Conservation and Development Commission Permit (Permit # 8-04, Amendment #1). The North Unit Breach (NUB), located on the levee dividing Pond 9 and Fagan Slough, was opened to tidal action on October 13, 2008. The information attached contains all data collected during the first 30 days following the breach of the Pond 9 levee. Sample locations are shown on the attached map.

Data included are:

- Data summary tables of pH, salinity, temperature, dissolved oxygen (DO), and turbidity (Tables 1-5 and Figure 1)
- Water quality data (from October 13, 2008 to November 12, 2008), including pH, temperature, DO, and turbidity (See Appendix A)
- Daily turbidity data (from August 29, 2008 to September 16, 2008, where required based on construction activities) (Table 7)
- Daily observations (See Appendix B)

This memorandum first discusses design changes made in response to field conditions, then presents a summary of the data collected, and finally discusses difficulties encountered during the data collection process.

SURNAME FG-455 (REV. 1/92)	Taylor Wyckoff KS			

Design Changes in Response to Field Conditions

The permitted work included in this 45-day start up report includes all work associated with the North Unit (Ponds 9 and 10), including the construction of a channel, the Runway Safety Area, perimeter levee improvements , public access paths, Pond 10 bottom grading, levee lowering, and the NUB. The channel work consisted of the historic channel reconstruction that was once present before Ponds 9 and 10 were leveed off for agricultural purposes at the turn of the century (Figure 2 and 3). The material from the excavation was used to raise the elevation of Pond 10 to provide an opportunity for early vegetation colonization.

Modifications during construction for Ponds 9/10 included:

- The elimination of the portion of the public access gravel path beyond the Runway Safety Area (RSA) and the addition of a fence and gate midway down the south levee of Pond 10. Through discussions between DFG, Ducks Unlimited, and the Napa County Airport (Airport), it was discovered that there was a miscommunication with the Napa County Regional and Open Space District (Open Space District) where the Napa River and Bay Trail alignment plans outline how the trail will be laid around the RSA on DFG property. The restoration designs outline the trail to follow the existing levee alignment; however, Federal Aviation Administration regulations and the Airport will not and cannot allow the general public to have access within the RSA for safety and security reasons. Further discussions are needed with resource agencies to decide what trail alignment is the most environmentally sensitive and feasible. Until this trail environmental process issue is resolved and concerns and needs are met between DFG, the Airport, and the Open Space District, the public access will be limited along this southern levee of Pond 10.
- An existing culvert in the Pond 10 levee next to the railroad crossing was sealed with grout.
- The railroad crossing is now a permanent installation, not temporary (for management purposes only).
- A small "plug" of unexcavated pond bottom was left in the new channel due to the ground water therein (Figures 4 and 5). As part of the restoration project, the main historical slough channel was excavated to allow better tidal exchange in the far reaches of Ponds 9 and 10. The improved tidal exchange is designed to accelerate habitat formation and avoid water quality effects (such as low DO) that could result from inadequate exchange. The reconstructed channel is located below the water table (below the pond bottom). Since the ponds were formerly hay fields, and much of the material in the bottom of the pond consists of peat, the soil is extremely porous and water immediately filled the channel excavation as the channel was being constructed. The construction contractor attempted to dewater the channel; however, the channel refilled so quickly that all attempts failed. The contractor also dug several small test pits and attempted to dewater the test pits; however, the same phenomenon was encountered, indicating that even longer-term dewatering efforts would not be effective. As a best management practice, a "plug" was created just inside the pond at the NUB breach location to minimize any potential impacts from a large plume of salt water entering the watershed in one tidal cycle. This "plug" eroded within a week, just long enough for the channel water to discharge gradually into the system. This plan assured that any potential impacts would not adversely affect the nearby habitat.

Summary of Data Collected

The NUB, located on the levee dividing Pond 9 and the Fagan Slough, was opened to tidal action on October 13, 2008 (Figures 2-6). Tables 1 through 5 summarize the temperature, salinity, pH, turbidity, and DO, respectively. Please refer to Figures 1 for sample locations.

It was evident from water quality samples taken within an hour of the NUB that stratification occurred between the slough water coming into Ponds 9 and 10 and the channel water present before the breach (Figure 8). Salinity data was taken in Pond 10 near the end of the constructed channel. A sample was taken at 6 inches (0.5 feet) and at 36 inches (3 feet). At the shallower depth the salinity was 47.45 parts per thousand (ppt), but at the bottom of the channel, the salinity was 70.74 ppt. The 70.74 ppt is the highest the water quality equipment on site could read. In actuality the reading was higher. Even with this number demonstrating a lower measurement than the true number, this data reveals that a small amount of mixing was occurring while the majority of the high salinity water remained at the bottom of the channel.

All monitored parameters (DO, temperature, pH, salinity, and turbidity) meet the permit requirements in the RWQCB Order No. R02-2004-0063, with the exception of a short term, localized increase in turbidity near the NUB. As shown in Table 4, the water exiting NUB almost always had lower turbidity than the water in Napa River (the background was measured at three locations upstream and downstream of the Napa River). Nonetheless, the samples collected upstream and downstream of the breach, near the edge of NUB, contained elevated levels of turbidity compared to the Napa River background sample. The largest increase in turbidity occurred on October 17, approximately 4 days after the NUB. At this time, while staying within permit exceedence levels, a slight increase in salinity occurred as well. The most probable cause of the salinity and turbidity increase is due to the "plug" that was left in place to allow the channel water to discharge gradually into the system. The data reflects that October 17 is approximately the time the "plug" began to erode and deteriorate as planned. It is worth noting that turbidity at all locations increased during the last monitoring event; this may be a reflection of more seasonal weather conditions. Several inches of rainfall fell over the region during this time period. Runoff will have a significant impact on the restoration water quality readings/data. The combination of sample locations, weather conditions, and tide conditions at the time the data was collected have a dramatic affect on data.

In Attachment C (Self Monitoring Program) of the RWQCB permit, under definition of terms, the definition for monitoring period for purposes of reporting is as follows:

"Monitoring period for purposes of reporting for water quality shall be defined as that period of time beginning on the day the levees are breached, and ending when the water quality objectives have been met for three consecutive months."

While the water quality endpoint cannot be achieved until three months following the NUB, criterion (except for turbidity) was met within 24 hours of the breach (see Appendices A and C). Turbidity data exceedences were minimal (3-7 NTU above Napa River) with the exception of October 17, 2008 where the temporary "plug" began to erode and deteriorate as planned.

Wildlife observations were documented and verbally noted by the contractor during construction. It was apparent that wildlife immediately responded in a positive manner to the new change in their environment. Western sandpipers, snowy egrets, and killdeers began utilizing Ponds 9 and

10 within 24 hours of the breach. Even a harbor seal visited the restoration project in the historic channel within Ponds 9 and 10 less than 48 hours after opening the NUB.

Difficulties Encountered During Data Collection

In the course of collecting data, few difficulties affected the data collection process. The most prominent difficulty during data collection occurred with the first 24 hours of data collection. The Hach sondes collecting salinity (among other parameters) cannot read salinity over 70.74 ppt. While this did not affect permit required data, accuracy of any data collected is essential to its value and meaning. Several samples were collected within a few hours after the breach occurred (Table 7). In hindsight, knowing that the channel water was hyper saline and the limitations of the sonde water quality equipment, it would have been beneficial and worthwhile to retain a refractometer and/or hydrometer tubes on site. This way any localized, short term increases in salinity could be well documented for the benefit of the present and future restoration projects.

If you have questions or concerns relating to this project, contact Karen Taylor, Associate Wildlife Biologist, at (707) 944-5567; or Larry Wyckoff, Senior Wildlife Biologist, at (707) 944-5542.

Attachments

cc: Ms. Bonnie Turner (w/ attachments)
Wildlife Conservation Board
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Ms. Meghan Moda (w/ attachments)
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Resources Legacy Fund Foundation
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Ms. Susanne von Rosenberg (w/ attachments)
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Napa, CA 94558

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Ducks Unlimited
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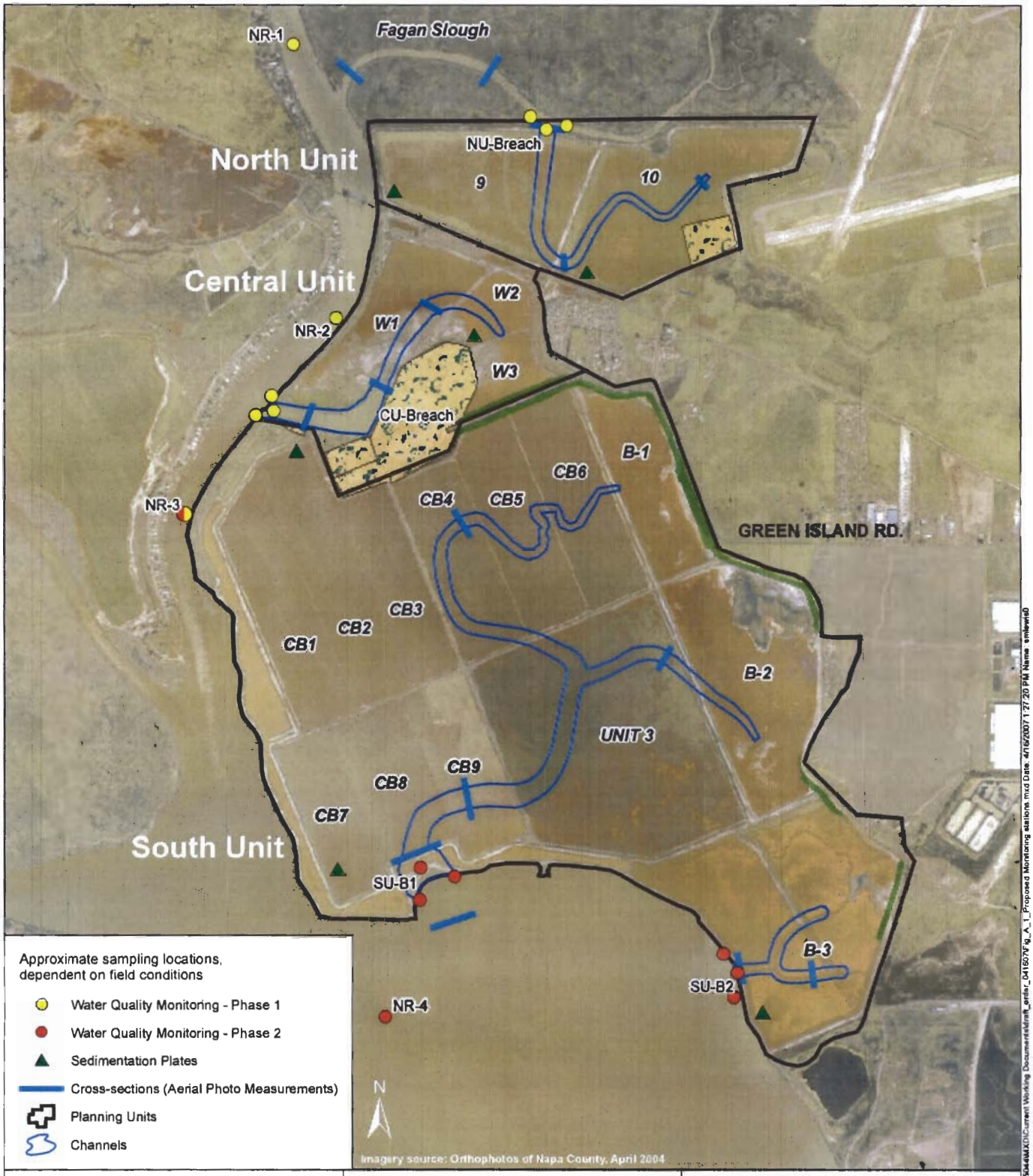
Rancho Cordova, CA 95670

Ms. Nicole Athearn (w/ attachments)
San Francisco Bay Estuary Field Station
S Geological Survey
505 Azuar Drive
Vallejo, CA 94592

ec: Wyckoff, Huffman, Taylor KT/kg

APPENDIX A

Salinity Reduction Breach Monitoring Data
(Tables and Summary Charts)



PURPOSE: WETLAND RESTORATION

DATUM: NAVD88

ADJACENT PROPERTY OWNERS: SEE TABLE 6

PLAN VIEW

0 500 1,000 2,000 3,000

FEET

1 inch equals 1,750 feet

CALIFORNIA DEPARTMENT OF FISH AND GAME

FIGURE 1
MONITORING STATIONS

IN: CITY OF AMERICAN CANYON
AT: 2983 GREEN ISLAND RD.
COUNTY OF: NAPA STATE: CA

APPLICATION BY: CALIFORNIA DEPARTMENT OF FISH AND GAME

DATE: 12/01/08

URS Corporation L:\Projects\Napa_Plant_Site_26815\mxd\MXD\Current Working Documents\Monitoring stations.mxd Date: 4/16/2007 1:27:20 PM Name: smiwest0

Figure 2. This aerial view clearly displays the reconstructed historic channel before the NUB was breached. Photo Courtesy The Dutra Group, September 2008.

Figure 3. Completing construction of the NUB as Ponds 9 and 10 were opened to tidal action. Photo Courtesy of Ducks Unlimited, October 13, 2008.

Figure 4. This photo was taken from the future NUB location. It was not feasible to pump out the water in the channel before breaching on October 13, 2008. K. Taylor, September 3, 2008

Figure 5. This photo was taken from the NUB location. The break in the channel is the constructed "berm" minimizing potential impacts and spreading the large plume of salt water entering the watershed over several tidal cycles. Photo Courtesy of Ducks Unlimited, October 13, 2008.

Figure 6. Levee lowering continues once the NUB was completed. One and one half tidal cycles have occurred when this photo was taken. K. Taylor, October 14, 2008

Figure 7. Wildlife immediately responded positively to the new change in their environment. Western sandpipers, snowy egrets, and even a harbor seal visited the restoration project within Ponds 9 and 10 in the first several days of opening the NUB. K. Taylor, November 6, 2008

Figure 8. Initial Stratification - North Unit Breach

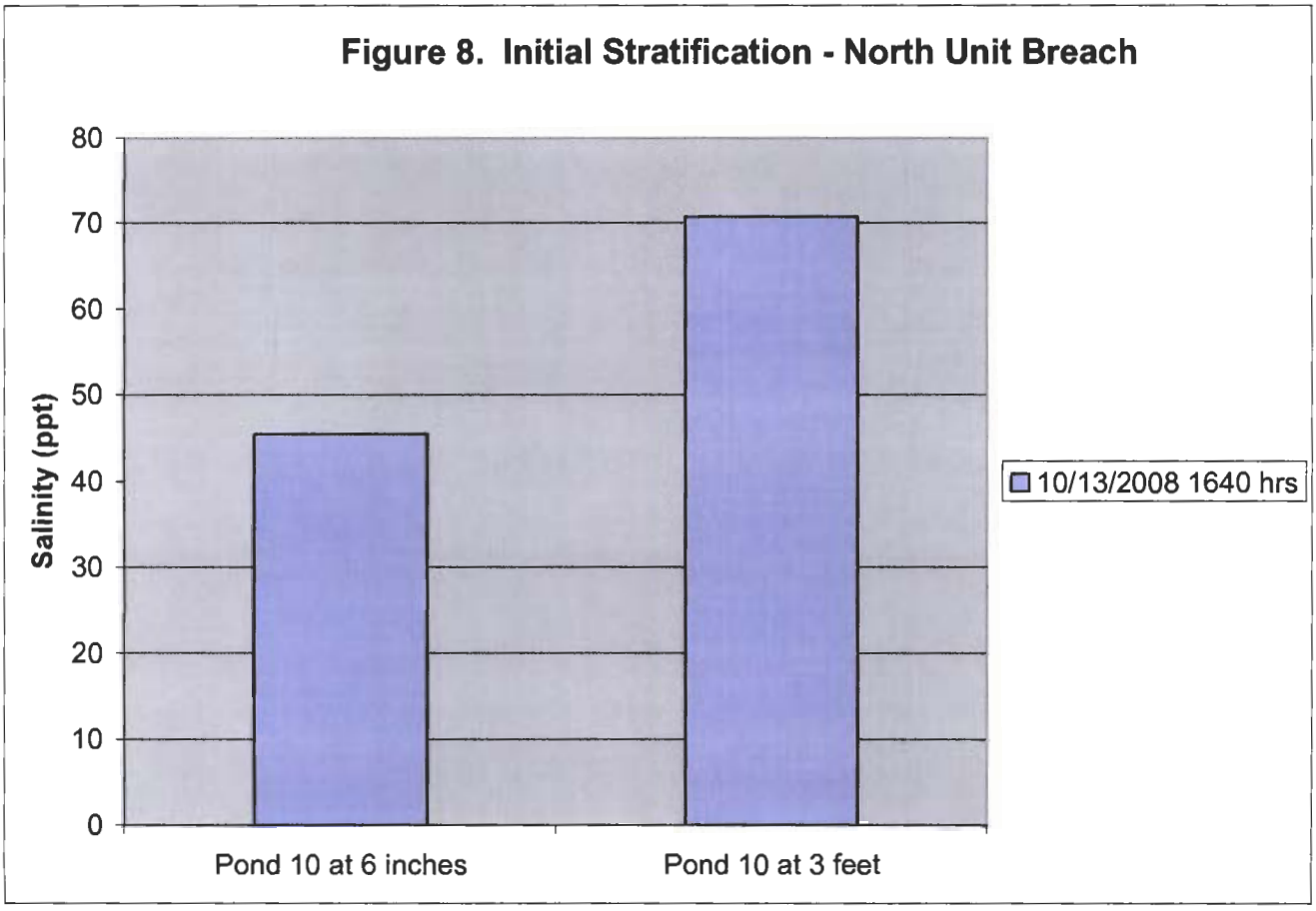


Table 1. Surface Temperature for the Napa River

Date	North Unit Breach (NUB) °F / °C	Napa River (Extreme difference from NUB)* °F / °C	Difference °F (shall not be >5° F)	
13-Oct-08	60.8 / 16	60.4 / 15.8	0.4	Before Breach
14-Oct-08	62.7 / 17.07	60.9 / 16.03	1.8	AFTER Breach
15-Oct-08	62.9 / 17.18	62.7 / 17.07	0.2	
16-Oct-08	65.1 / 18.4	64.22 / 17.9	0.88	
17-Oct-08	61.7 / 16.5	63.6 / 17.56	1.9	
18-Oct-08	62.1 / 16.7	64.0 / 17.77	1.9	
21-Oct-08	63.7 / 17.63	62.4 / 16.9	1.3	
29-Oct-08	63.2 / 17.33	62.6 / 16.98	0.6	
5-Nov-08	57.0 / 13.9	57.65 / 14.25	0.65	
12-Nov-08	59.5 / 15.5	58.7 / 14.86	0.8	

Note: Per RWQCB permit: The temperature of any cold or warm freshwater habitat shall not be increased by more than 5 degrees Fahrenheit above natural receiving water temperature unless a qualified biologist can demonstrate that such alteration in temperature does not adversely affect beneficial uses.

*Napa River temperature is taken from whichever the three locations was the most extreme from the NUB.

Table 2. Salinity (ppt)

	13-Oct-08	14-Oct-08	15-Oct-08	16-Oct-08	17-Oct-08	18-Oct-08	21-Oct-08	29-Oct-08	5-Nov-08	12-Nov-08
NUB	22.9	22.9	22.36	23.22	30.7	26.2	25.8	23.5	22.4	20.8
NUB-DS-150	22.9	22.66	22.5	22.5	27.16	26	24.6	23.1	22.19	20.6
NUB-US-150	22.8	23.75	22.41	22.8	30.76	26.4	27	22.9	22.8	20.8
NR-1	22.7	21.8	21.8	22.5	26.04	25	25.2	22.95	21.9	20.6
NR-2	21.89	21.78	21.8	22.3	25.6	25.17	24.9	22.8	22	20.6
CUB	21.80	21.60	21.68	22.20	25.27	23.70	24.00	22.82	21.80	20.60
CUB-DS-150	21.8	21.8	21.7	22.3	25.27	24.9	24.9	22.74	22.1	20.6
CUB-US-150	21.8	21.72	21.7	22.24	25.2	24.8	24.7	22.75	22	20.6
NR-3	21.74	21.72	21.6	22.27	25.05	24.8	24.6	22.7	22.09	20.6
	Before	AFTER Breach								

Note: Per RWQCB permit: Salinity of effluent shall not exceed monthly average of 50 g/L and daily maximum of 100 g/L (assumption: breach during high flow event will achieve a 10:1 dilution ratio for the discharge).

NUB North Unit Breach
NUB-US-150 North Unit Breach, 150 feet upstream
NUB-DS-150 North Unit Breach, 150 feet downstream
NR-1 Napa River, location 1
NR-2 Napa River, location 2
CUB Central Unit Breach
CUB-US-150 Central Unit Breach, 150 feet upstream
CUB-DS-150 Central Unit Breach,150 feet downstream
NR-3 Napa River, location 3

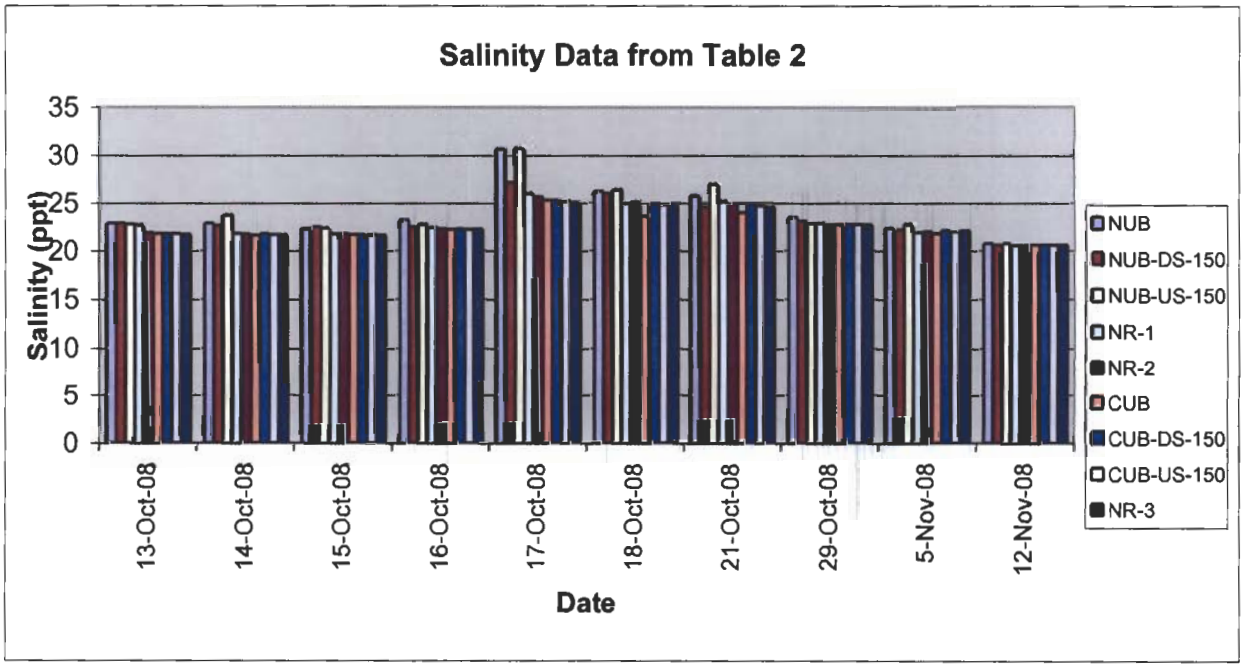


Table 3. pH (units) at Effluent.

	13-Oct-08	14-Oct-08	15-Oct-08	16-Oct-08	17-Oct-08	18-Oct-08	21-Oct-08	29-Oct-08	5-Nov-08	12-Nov-08
NUB	8.30	8.10	8.20	7.81	7.30	7.56	7.35	8.20	7.98	7.94
NUB-DS-150	8.23	8.18	8.13	7.9	7.3	7.3	7.63	8.21	7.94	7.9
NUB-US-150	8.37	8.06	8.1	7.9	7.33	7.66	7.55	8.24	7.90	7.95
NR-1	8.47	8.27	8.14	7.9	7.6	7.6	7.7	8.24	7.90	7.92
NR-2	8.5	8.26	8.15	7.9	7.66	7.6	7.7	8.27	8.00	7.97
CUB	8.37	8.27	8.19	7.97	7.69	7.7	7.9	8.29	8.00	7.95
CUB-DS-150	8.32	8.26	8.17	7.9	7.68	7.6	7.7	8.27	8.00	7.97
CUB-US-150	8.33	8.27	8.18	7.9	7.68	7.6	7.7	8.26	8.00	7.95
NR-3	8.96	8.26	8.07	7.95	7.7	7.6	7.8	8.27	8.00	7.95
	Before	AFTER Breach								

Note: Per RWQCB permit: pH at the effluent shall not exceed 8.5 nor be less than 6.5 in pH units.

NUB North Unit Breach
NUB-US-150 North Unit Breach, 150 feet upstream
NUB-DS-150 North Unit Breach, 150 feet downstream
NR-1 Napa River, location 1
NR-2 Napa River, location 2
CUB Central Unit Breach
CUB-US-150 Central Unit Breach, 150 feet upstream
CUB-DS-150 Central Unit Breach,150 feet downstream
NR-3 Napa River, location 3

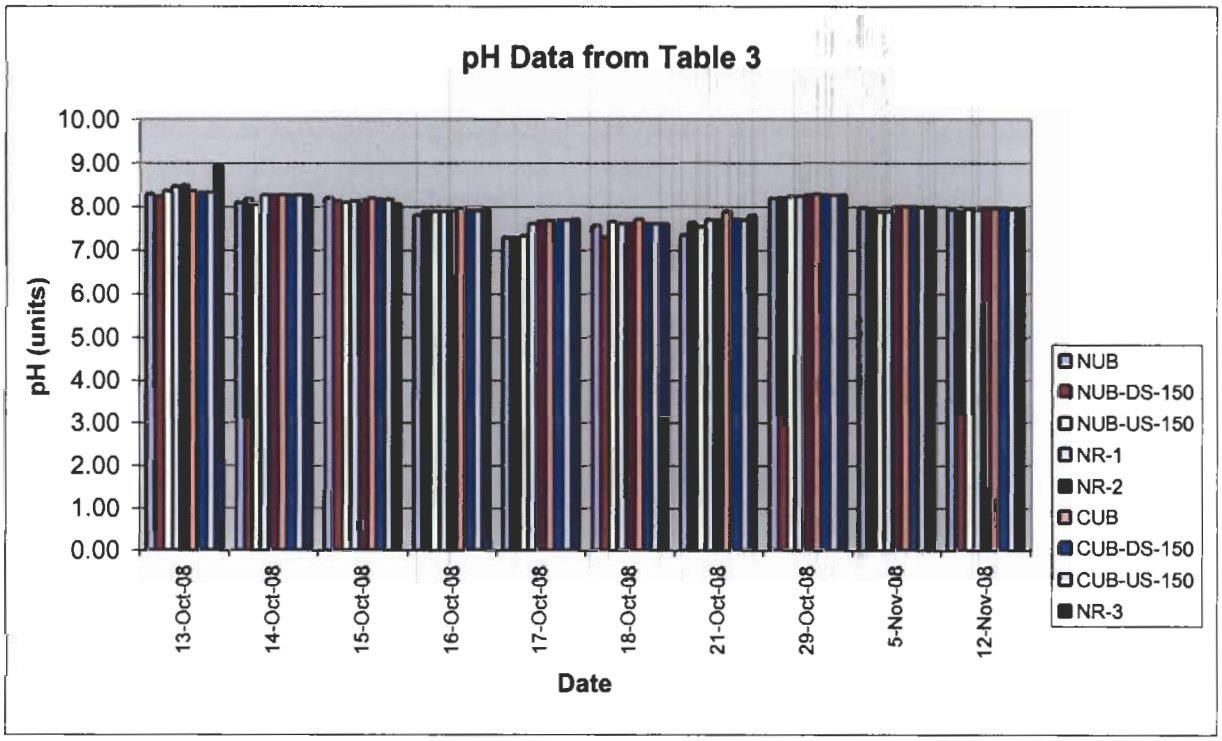


Table 4. Average Turbidity at Receiving Waters (in NTU)

	13-Oct-08	14-Oct-08	15-Oct-08	16-Oct-08	17-Oct-08	18-Oct-08	21-Oct-08	29-Oct-08	5-Nov-08	12-Nov-08
NUB	9.4	15	24.6	13.37	73.47	17.93	15.37	9.57	7.97	13.3
NUB-DS-150	11.43	14.87	16.33	11.37	8.05	11.57	7.57	8.63	6.5	12.9
NUB-US-150	9.43	13.93	13.67	9.94	77.93	21.63	19.83	8.5	16.07	14.3
NR-1	15.07	9.93	8.83	9.3	11.07	14.27	10.53	7.57	7.04	22.87
NR-2	12.63	17.8	10.63	9.17	12.97	14.33	11.23	7.4	8	15.3
CUB	14.7	8.6	10.6	8	14.23	9.67	8.07	8.1	6.17	9.63
CUB-DS-150	11.87	26.33	10.07	8.83	10.67	15.8	10.83	7.37	11.27	17.47
CUB-US-150	12.13	10.43	10.03	8.2	13.23	15.33	12.53	7.73	8.9	18.13
NR-3	12.37	8.77	7.83	8.2	14.13	15.6	13.37	7.87	9.5	17.53
	Before	AFTER Breach								

Note: Per RWQCB permit: Turbidity shall not increase by more than the following for more than 24 hours, to the extent practical:

Receiving Waters Background	Incremental Increase
<50 NTU	5 NTU maximum
≥ 50 NTU	10% of background, maximum

NUB	North Unit Breach
NUB-US-150	North Unit Breach, 150 feet upstream
NUB-DS-150	North Unit Breach, 150 feet downstream
NR-1	Napa River, location 1
NR-2	Napa River, location 2
CUB	Central Unit Breach
CUB-US-150	Central Unit Breach, 150 feet upstream
CUB-DS-150	Central Unit Breach,150 feet downstream
NR-3	Napa River, location 3

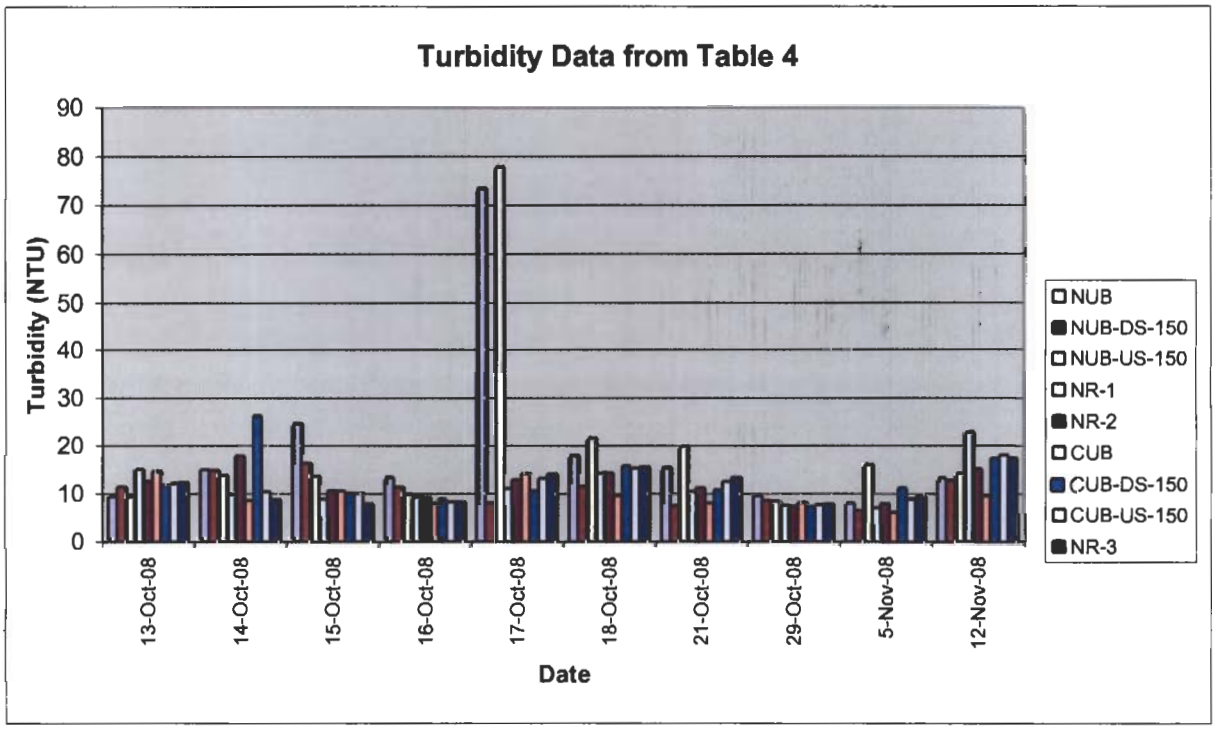


Table 5. Dissolved Oxygen (DO) Data (in mg/L) near Salinity Reduction Breach

	13-Oct-08	14-Oct-08	15-Oct-08	16-Oct-08	17-Oct-08	18-Oct-08	21-Oct-08	29-Oct-08	5-Nov-08	12-Nov-08
NUB	8.91	8.66	8.35	6.86	5.60	6.04	7.06	8.45	8.13	8.84
NUB-US-150	8.76	8.77	8.32	6.96	5.26	5.51	6.80	8.36	7.04	8.28
NUB-DS-150	9.26	8.48	8.44	6.93	5.57	6.01	6.88	8.28	7.98	8.60
NR-1	8.97	8.98	8.54	6.97	6.01	5.65	6.25	8.25	6.96	7.97
NR-2	9.07	8.90	8.52	7.06	5.98	5.78	6.74	8.34	7.45	8.08
CUB	9.17	9.05	8.61	7.13	6.06	6.17	7.40	8.35	7.45	8.29
CUB-US-150	9.08	8.89	8.46	7.02	6.08	5.8	6.59	8.31	7.55	8.23
CUB-DS-150	9.35	8.91	8.49	7.04	5.95	5.83	6.75	8.3	7.74	8.15
NR-3	9.18	8.9	8.53	7.1	6.03	5.9	6.81	8.24	7.36	8.13
	Before	AFTER Breach								

Note: Pers RWQCB permit: DO must exceed standards.
DO cannot register below 5.0 mg/L within 1 foot of water surface.

NUB	North Unit Breach
NUB-US-150	North Unit Breach, 150 feet upstream
NUB-DS-150	North Unit Breach, 150 feet downstream
NR-1	Napa River, location 1
NR-2	Napa River, location 2
CUB	Central Unit Breach
CUB-US-150	Central Unit Breach, 150 feet upstream
CUB-DS-150	Central Unit Breach,150 feet downstream
NR-3	Napa River, location 3

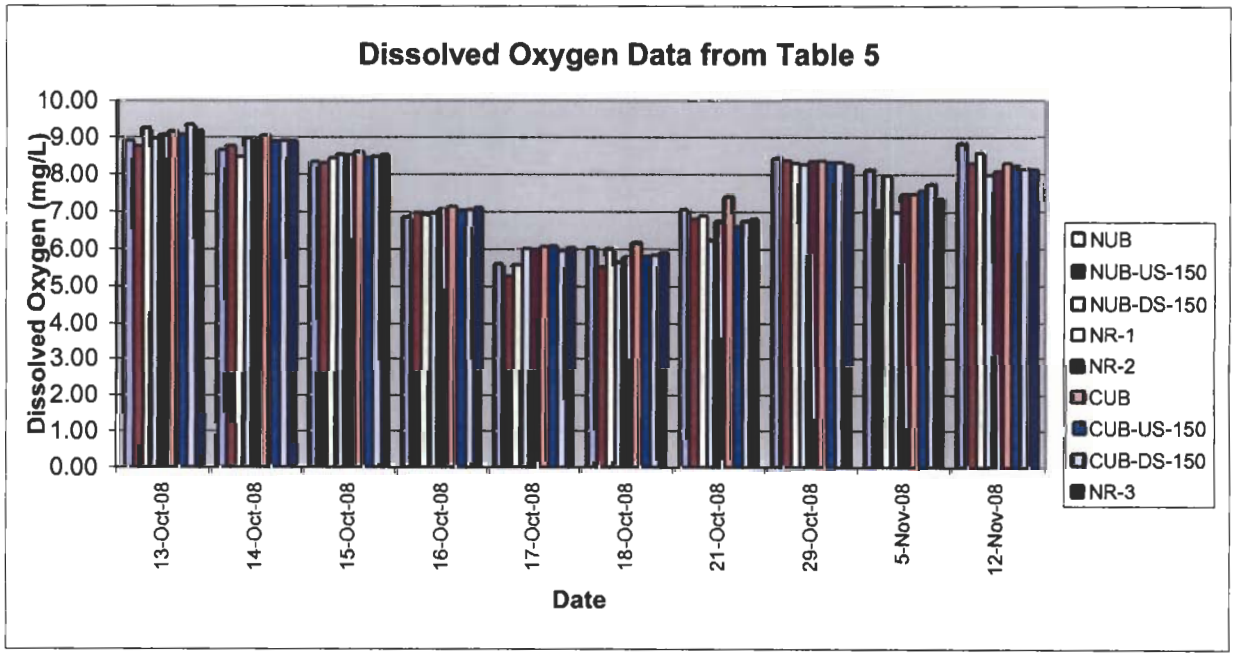
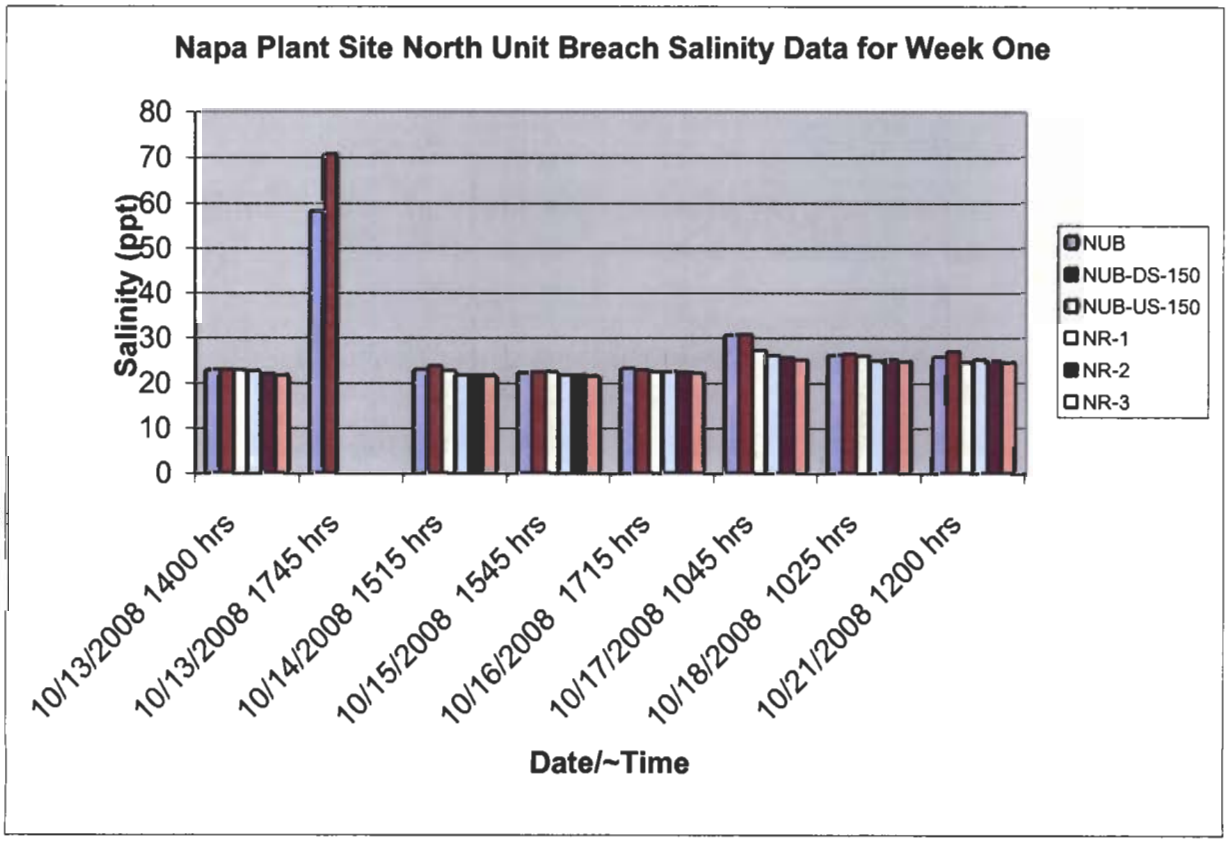


Table 6. North Unit Breach Salinity Data for Week One

Date	NUB	NUB-DS-150	NUB-US-150	NR-1	NR-2	NR-3	
10/13/2008 1400 hrs	22.9	22.9	22.8	22.7	21.89	21.74	Before Breach
10/13/2008 1745 hrs	58.21	70.74					After Breach
10/14/2008 1515 hrs	22.9	23.75	22.66	21.8	21.78	21.72	
10/15/2008 1545 hrs	22.36	22.41	22.5	21.8	21.8	21.6	
10/16/2008 1715 hrs	23.22	22.8	22.5	22.5	22.3	22.27	
10/17/2008 1045 hrs	30.7	30.76	27.16	26.04	25.6	25.05	
10/18/2008 1025 hrs	26.2	26.4	26	25	25.17	24.8	
10/21/2008 1200 hrs	25.8	27	24.6	25.2	24.9	24.6	



DUCKS UNLIMITED

Table 7. Contractor Daily Turbidity Data

Napa Plant Site Monitoring

3074 Gold Canal Drive • Rancho Cordova, California 95670-6116 • (916) 852-2000 • Fax (916) 852-2200

Turbidity	Phase 1- Ponds 9, 10, W1, W2 & W3 (US-CA-446-3)						
Date/Time	150' Upstream of Work Area	150' Downstream of Work Area	Adjacent to Work Area	Avg Background	Work Area above Avg Background	In Spec? (See Below)	Comments
8/29/2008 2:00 PM	11.4	12.6	16.6	12.00	4.60	Yes	
9/2/2008 2:00 PM	15.1	13.1	14.7	14.10	0.60	Yes	
9/3/2008 3:00 PM	11	13.1	12.7	12.05	0.65	Yes	
9/4/2008 3:00 PM	20.2	17.2	18.9	18.70	0.20	Yes	
9/5/2008 3:00 PM	12.7	11.2	13.2	11.95	1.25	Yes	
9/8/2008 2:00 PM	11.8	13.8	14.2	12.8	1.4	Yes	
9/9/2008 2:00 PM	11.9	17.9	14.9	14.9	0	Yes	
9/11/2008 2:00 PM	Machine Won't Calibrate: Troubleshooting		No visible turbidity plume in slough				
9/12/2008 12:00 AM	Sent Machine in for repairs		No visible turbidity plume in slough				
9/152008 12:00:00 AM	Machine being repaired		No visible turbidity plume in slough				
9/16/2008 3:30 PM	52.3	65.5	66	58.9	7.1	Yes	

Turbidity taken off bank on 9/16 Cut nearly finished, high turbidity at shoreline due to wave action

Turbidity of the waters of the State, at any place more than 100 feet from the Project Boundary or point of discharge, shall not increase by more than the following for more than 24 hours, to the extent practical

Receiving Waters Background	Incremental Increase
If < 50 NTU	5 NTU maximum
If >= 50 NTU	10% of background, maximum

Date:	**10/13/2008**
Weather:	**Clear, Warm**
Observers:	**R. Kuehn**

Comparison Points

Napa Plant Site Restoration- PHASE 1

	Locations										
	1	2	3	4	5	6	7	8	9	O	OO
Variables	NUB	NUB-US-150	NUB-DS-150	NR-1	NR-2	CUB	CUB-US-150	CUB-DS-150	NR-3	P9	P10
Time	2:00										
Depth	0.4	0.24	0.2	0.41	0.35	0.52	0.5	0.52	0.32		
Turbidity 1 (NTU)	10.1	11.1	8.9	14.2	14.0	15.6	12.0	12.5	12.9		
Turbidity 2 (NTU)	9.8	11.7	9.0	15.4	11.2	14.3	12.1	12.0	12.3		
Turbidity 3 (NTU)	8.3	11.5	10.4	15.6	12.7	14.2	11.5	11.9	11.9		
Average (NTU)	9.40	11.43	9.43	15.07	12.63	14.70	11.87	12.13	12.37		
LDO (mg/L)	8.91	8.76	9.26	8.97	9.07	9.17	9.08	9.35	9.18		
LDO (% sat)	102.8	101.6	100.7	102.3	103.7	104.8	103.6	103.4	104.2		
Salinity (ppt)	22.9	22.9	22.8	22.7	21.89	21.80	21.8	21.8	21.74		
Sp. Cond. (mS/cm)	36.20	36.20	36.1	35.5	34.81	34.7	34.64	34.7	34.58		
pH	8.30	8.23	8.37	8.47	8.5	8.37	8.32	8.33	8.96		
Temperature (°C)	16	15.9	15.6	15.18	15.27	15.01	15.24	15.18	15.37		
Comments:	Pre Breach			ShipWreck East bank	Channel Marker	Not Breached			PipeLine Xing		

1	NUB	North Unit Breach	O	Pond 9
2	NUB-US-150	North Unit Breach, 150 feet upstream	OO	Pond 10
3	NUB-DS-150	North Unit Breach, 150 feet downstream		
4	NR-1	Napa River, location 1		
5	NR-2	Napa River, location 2		
6	CUB	Central Unit Breach		
7	CUB-US-150	Central Unit Breach,150 feet upstream		
8	CUB-DS-150	Central Unit Breach, 150 feet downstream		
9	NR-3	Napa River, location 3		

Date: 10/14/2008
Weather: Clear, Warm
Observers: R. Kuehn

Comparison Points

Napa Plant Site Restoration- PHASE 1

	Locations										
	1	2	3	4	5	6	7	8	9	O	OO
Variables	NUB	NUB-US-150	NUB-DS-150	NR-1	NR-2	CUB	CUB-US-150	CUB-DS-150	NR-3	P9	P10
Time	3:18	3:23	3:40		3:56	4:30	4:15	4:20	4:02	3:10	3:15
Depth	0.6	0.57	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.3
Turbidity 1 (NTU)	15.4	13.6	13.8	10.1	17.8	8.1	26.6	10.3	8.5	16.3	
Turbidity 2 (NTU)	14.7	15.3	14.1	9.7	18.8	8.9	26.4	10.9	8.8	16.5	
Turbidity 3 (NTU)	14.9	15.7	13.9	10.0	16.8	8.8	26.0	10.1	9.0	17.6	
Average (NTU)	15.00	14.87	13.93	9.93	17.80	8.60	26.33	10.43	8.77	16.80	
LDO (mg/L)	8.66	8.77	8.48	8.98	8.90	9.05	8.89	8.91	8.9	8.53	8.82
LDO (% sat)	103.3	102.5	102.2	104.8	103.3	105.9	102.9	103.6	104.5	101.6	104.1
Salinity (ppt)	22.9	22.66	23.75	21.8	21.78	21.60	21.8	21.72	21.72	24.2	22.9
Sp. Cond. (mS/cm)	36.30	35.90	37.42	34.7	34.64	34.4	34.66	34.57	34.5	38.1	36.6
pH	8.10	8.18	8.06	8.27	8.26	8.27	8.26	8.27	8.26	8.05	8
Temperature (°C)	17.07	16.4	17.19	16.30	16.03	16.60	16.06	16.26	16.4	16.7	16.6
Comments:				ShipWreck East bank	Channel Marker	Not Breached			PipeLine Xing		

1	NUB	North Unit Breach	O	Pond 9
2	NUB-US-150	North Unit Breach, 150 feet upstream	OO	Pond 10
3	NUB-DS-150	North Unit Breach, 150 feet downstream		
4	NR-1	Napa River, location 1		
5	NR-2	Napa River, location 2		
6	CUB	Central Unit Breach		
7	CUB-US-150	Central Unit Breach,150 feet upstream		
8	CUB-DS-150	Central Unit Breach, 150 feet downstream		
9	NR-3	Napa River, location 3		

Date: 10/15/2008
Weather: Clear, Sunny
Observers: R. Kuehn

Comparison Points

Napa Plant Site Restoration- PHASE 1

	Locations										
	1	2	3	4	5	6	7	8	9	O	OO
Variables	NUB	NUB-US-150	NUB-DS-150	NR-1	NR-2	CUB	CUB-US-150	CUB-DS-150	NR-3	P9	P10
Time	15:36	15:41	16:13	16.21	16:30	16:55	16:36	16:41	16:46	15:02	14:55
Depth	0.9	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.6	0.6
Turbidity 1 (NTU)	22.2	16.0	13.4	8.8	10.5	10.2	9.8	9.4	7.4		27.6
Turbidity 2 (NTU)	25.7	17.3	14.1	8.8	10.9	10.7	10.2	9.9	8.0		28.9
Turbidity 3 (NTU)	25.9	15.7	13.5	8.9	10.5	10.9	10.2	10.8	8.1		29.8
Average (NTU)	24.60	16.33	13.67	8.83	10.63	10.60	10.07	10.03	7.83		28.77
LDO (mg/L)	8.35	8.32	8.44	8.54	8.52	8.61	8.46	8.49	8.53	7.9	7.42
LDO (% sat)	100.1	99.0	101.2	101.2	100.6	102.7	100.7	100.7	101.5	96.5	91.2
Salinity (ppt)	22.36	22.5	22.41	21.8	21.8	21.68	21.7	21.7	21.6	24.3	24.9
Sp. Cond. (mS/cm)	34.94	35.6	35.5	34.75	34.7	34.5	34.6	34.5	34.44	38.3	39.2
pH	8.20	8.13	8.1	8.14	8.15	8.19	8.17	8.18	8.07	7.98	7.8
Temperature (°C)	17.18	17.12	17.5	17.14	17.07	17.45	17	17.24	17.3	18.11	17.3
Comments:				ShipWreck East bank	Channel Marker	Not Breached			PipeLine Xing		

1	NUB	North Unit Breach
2	NUB-US-150	North Unit Breach, 150 feet upstream
3	NUB-DS-150	North Unit Breach, 150 feet downstream
4	NR-1	Napa River, location 1
5	NR-2	Napa River, location 2
6	CUB	Central Unit Breach
7	CUB-US-150	Central Unit Breach,150 feet upstream
8	CUB-DS-150	Central Unit Breach, 150 feet downstream
9	NR-3	Napa River, location 3

O	Pond 9
OO	Pond 10

Date:	**10/16/2008**
Weather:	**Clear**
Observers:	**R. Kuehn**

Comparison Points

Napa Plant Site Restoration- PHASE 1

	Locations										
	1	2	3	4	5	6	7	8	9	O	OO
Variables	NUB	NUB-US-150	NUB-DS-150	NR-1	NR-2	CUB	CUB-US-150	CUB-DS-150	NR-3	P9	P10
Time	16:25	16:36	16:42	16:52	16:59	17:18	17:05	17:09	17:12	16:16	16:07
Depth	0.7	0.7	0.67	0.64	0.63	0.6	0.7	0.7	0.7	0.7	0.8
Turbidity 1 (NTU)	14.0	12.2	9.9	8.4	8.9	7.8	9.3	8.2	8.2	15.2	14.4
Turbidity 2 (NTU)	13.2	11.5	10.2	9.8	9.5	8.1	8.8	8.0	8.0	14.9	16.7
Turbidity 3 (NTU)	12.9	10.4	9.7	9.7	9.1	8.1	8.4	8.4	8.4	16.0	17.3
Average (NTU)	13.37	11.37	9.94	9.30	9.17	8.00	8.83	8.20	8.20	15.37	16.13
LDO (mg/L)	6.86	6.96	6.93	6.97	7.06	7.13	7.02	7.04	7.1	6.95	6.32
LDO (% sat)	82.4	82.6	82.6	82.7	83.7	84.9	83.2	83.6	84.2	83	77.9
Salinity (ppt)	23.22	22.5	22.8	22.5	22.3	22.20	22.3	22.24	22.27	23	25.04
Sp. Cond. (mS/cm)	36.68	35.70	36.1	35.7	35.4	35.3	35.3	35.3	35.25	36.4	38.9
pH	7.81	7.9	7.9	7.9	7.9	7.97	7.9	7.9	7.95	7.86	7.69
Temperature (°C)	18.4	18.01	18.23	17.90	17.90	18.20	18	18.1	18.1	18.11	19
Comments:				ShipWreck East bank	Channel Marker	Not Breached			PipeLine Xing		

1	NUB	North Unit Breach		O	Pond 9
2	NUB-US-150	North Unit Breach, 150 feet upstream		OO	Pond 10
3	NUB-DS-150	North Unit Breach, 150 feet downstream			
4	NR-1	Napa River, location 1			
5	NR-2	Napa River, location 2			
6	CUB	Central Unit Breach			
7	CUB-US-150	Central Unit Breach,150 feet upstream			
8	CUB-DS-150	Central Unit Breach, 150 feet downstream			
9	NR-3	Napa River, location 3			

Date: 10/17/2008
Weather: Clear
Observers: R. Kuehn

Comparison Points

Napa Plant Site Restoration- PHASE 1

	Locations										
	1	2	3	4	5	6	7	8	9	O	OO
Variables	NUB	NUB-US-150	NUB-DS-150	NR-1	NR-2	CUB	CUB-US-150	CUB-DS-150	NR-3	P9	P10
Time	10:25	10:21	10:28	10:35	10:43	10:58	10:47	10:51	10:54		
Depth	0.4	0.5	0.5	0.55	0.55	0.5	0.56	0.56	0.56		
Turbidity 1 (NTU)	76.0	8.2	77.7	10.7	12.9	13.9	10.7	13.8	14.4		
Turbidity 2 (NTU)	72.9	8.2	80.9	11.7	12.8	14.6	10.7	13.2	14.3		
Turbidity 3 (NTU)	71.5	7.8	75.2	10.8	13.2	14.2	10.6	12.7	13.7		
Average (NTU)	73.47	8.05	77.93	11.07	12.97	14.23	10.67	13.23	14.13		
LDO (mg/L)	5.60	5.26	5.57	6.01	5.98	6.06	6.08	5.95	6.03		
LDO (% sat)	67.8	62.2	67.5	72.4	71.4	72.1	72.7	71.2	71.8		
Salinity (ppt)	30.7	27.16	30.76	26.04	25.6	25.27	25.27	25.2	25.05		
Sp. Cond. (mS/cm)	46.80	42.20	47.16	40.67	40	39.5	39.61	39.53	39.26		
pH	7.30	7.3	7.33	7.6	7.66	7.69	7.68	7.68	7.7		
Temperature (°C)	16.5	16.56	16.56	17.56	17.43	17.46	17.51	17.4	17.41		
Comments:				ShipWreck East bank	Channel Marker	Not Breached			PipeLine Xing		

1	NUB	North Unit Breach
2	NUB-US-150	North Unit Breach, 150 feet upstream
3	NUB-DS-150	North Unit Breach, 150 feet downstream
4	NR-1	Napa River, location 1
5	NR-2	Napa River, location 2
6	CUB	Central Unit Breach
7	CUB-US-150	Central Unit Breach,150 feet upstream
8	CUB-DS-150	Central Unit Breach, 150 feet downstream
9	NR-3	Napa River, location 3

O	Pond 9
OO	Pond 10

Date: 10/18/2008
Weather: Clear, Windy
Observers: R. Kuehn

Comparison Points

Napa Plant Site Restoration- PHASE 1

	Locations										
	1	2	3	4	5	6	7	8	9	O	OO
Variables	NUB	NUB-US-150	NUB-DS-150	NR-1	NR-2	CUB	CUB-US-150	CUB-DS-150	NR-3	P9	P10
Time	9:47	9:41	9:51	10:00	10:09	10:25	10:13	10:17	10:21		
Depth	.0.4	0.6	0.3	0.6	0.5	0.7	0.55	0.7	0.07		
Turbidity 1 (NTU)	17.7	11.4	22.1	13.6	14.2	9.2	15.6	15.2	15.7		
Turbidity 2 (NTU)	18.2	11.7	20.9	14.3	14.8	9.6	15.6	15.0	16.0		
Turbidity 3 (NTU)	17.9	11.6	21.9	14.9	14.0	10.2	16.2	15.8	15.1		
Average (NTU)	17.93	11.57	21.63	14.27	14.33	9.67	15.80	15.33	15.60		
LDO (mg/L)	6.04	5.51	6.01	5.65	5.78	6.17	5.8	5.83	5.9		
LDO (% sat)	71.8	66.0	71.5	67.6	69.5	73.1	70	70	70.9		
Salinity (ppt)	26.2	26	26.4	25	25.17	23.70	24.9	24.8	24.8		
Sp. Cond. (mS/cm)	41.30	41.20	41.17	39.2	39.45	37.45	39.1	38.9	38.9		
pH	7.56	7.3	7.66	7.6	7.6	7.7	7.6	7.6	7.6		
Temperature (°C)	16.7	17	17	17.50	17.77	17.60	17.7	17.7	17.7		
Comments:				ShipWreck East bank	Channel Marker	Not Breached			PipeLine Xing		

1	NUB	North Unit Breach	O	Pond 9
2	NUB-US-150	North Unit Breach, 150 feet upstream	OO	Pond 10
3	NUB-DS-150	North Unit Breach, 150 feet downstream		
4	NR-1	Napa River, location 1		
5	NR-2	Napa River, location 2		
6	CUB	Central Unit Breach		
7	CUB-US-150	Central Unit Breach,150 feet upstream		
8	CUB-DS-150	Central Unit Breach, 150 feet downstream		
9	NR-3	Napa River, location 3		

Date: 10/21/2008
Weather: Clear
Observers: R. Kuehn

Comparison Points

Napa Plant Site Restoration- PHASE 1

	Locations										
	1	2	3	4	5	6	7	8	9	O	OO
Variables	NUB	NUB-US-150	NUB-DS-150	NR-1	NR-2	CUB	CUB-US-150	CUB-DS-150	NR-3	P9	P10
Time	12:46	12:49	12:52	12:59	13:07	13:23	13:11	13:14	13:18		
Depth	0.66	0.3	0.6	0.6	0.1	0.6	0.66	0.66	0.66		
Turbidity 1 (NTU)	14.5	7.2	19.4	10.5	10.9	8.1	10.3	13.0	12.3		
Turbidity 2 (NTU)	15.5	7.6	19.7	10.3	11.2	7.8	11.3	12.1	13.8		
Turbidity 3 (NTU)	16.1	7.9	20.4	10.8	11.6	8.3	10.9	12.5	14.0		
Average (NTU)	15.37	7.57	19.83	10.53	11.23	8.07	10.83	12.53	13.37		
LDO (mg/L)	7.06	6.80	6.88	6.25	6.74	7.40	6.59	6.75	6.81		
LDO (% sat)	83.7	80.0	82.6	73.8	79.3	85.7	77	78.6	79.7		
Salinity (ppt)	25.8	24.6	27	25.2	24.9	24.00	24.9	24.7	24.6		
Sp. Cond. (mS/cm)	40.40	38.90	41.8	39.3	39.1	37.8	39	38.8	38.6		
pH	7.35	7.63	7.55	7.7	7.7	7.9	7.7	7.7	7.8		
Temperature (°C)	17.63	16.9	17.3	17.00	17.00	17.40	16.8	16.7	16.9		
Comments:				ShipWreck East bank	Channel Marker	Not Breached			PipeLine Xing		

1	NUB	North Unit Breach	O	Pond 9
2	NUB-US-150	North Unit Breach, 150 feet upstream	OO	Pond 10
3	NUB-DS-150	North Unit Breach, 150 feet downstream		
4	NR-1	Napa River, location 1		
5	NR-2	Napa River, location 2		
6	CUB	Central Unit Breach		
7	CUB-US-150	Central Unit Breach,150 feet upstream		
8	CUB-DS-150	Central Unit Breach, 150 feet downstream		
9	NR-3	Napa River, location 3		

Date:	**10/29/2008**
Weather:	**Clear, Sunny**
Observers:	**R. Kuehn**

Comparison Points

Napa Plant Site Restoration- PHASE 1

	Locations										
	1	2	3	4	5	6	7	8	9	O	OO
Variables	NUB	NUB-US-150	NUB-DS-150	NR-1	NR-2	CUB	CUB-US-150	CUB-DS-150	NR-3	P9	P10
Time	15:16	15:11	15:25	15:34	15:50	16:06	15:53	15:55	16:01	14:52	15:01
Depth	0.68	0.4	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6
Turbidity 1 (NTU)	9.2	8.6	8.8	7.8	7.5	8.2	7.0	7.8	7.9	9.3	9.4
Turbidity 2 (NTU)	9.9	8.5	8.3	7.4	7.3	7.9	7.3	8.2	7.8	9.0	9.5
Turbidity 3 (NTU)	9.6	8.8	8.4	7.5	7.4	8.2	7.8	7.2	7.9	9.1	9.0
Average (NTU)	9.57	8.63	8.50	7.57	7.40	8.10	7.37	7.73	7.87	9.13	9.30
LDO (mg/L)	8.45	8.36	8.28	8.25	8.34	8.35	8.31	8.3	8.24	8.5	8.4
LDO (% sat)	99.9	97.7	96.7	96	97.4	97.5	96.8	95.6	96.1	101	100
Salinity (ppt)	23.5	23.1	22.9	22.95	22.8	22.82	22.74	22.75	22.7	24.12	25
Sp. Cond. (mS/cm)	37.20	36.50	36.4	36.36	36.15	36.14	36	36	35.97	37.97	39.17
pH	8.20	8.21	8.24	8.24	8.27	8.29	8.27	8.26	8.27	7.84	7.9
Temperature (°C)	17.33	17.02	17	16.93	16.98	17.03	17	16.96	16.98	17.4	17.4
Comments:				ShipWreck East bank	Channel Marker	Not Breached			PipeLine Xing		

1	NUB	North Unit Breach
2	NUB-US-150	North Unit Breach, 150 feet upstream
3	NUB-DS-150	North Unit Breach, 150 feet downstream
4	NR-1	Napa River, location 1
5	NR-2	Napa River, location 2
6	CUB	Central Unit Breach
7	CUB-US-150	Central Unit Breach,150 feet upstream
8	CUB-DS-150	Central Unit Breach, 150 feet downstream
9	NR-3	Napa River, location 3

O	Pond 9
OO	Pond 10

Date: 11/5/2008
Weather: Overcast, Cool
Observers: R. Kuehn

Comparison Points

Napa Plant Site Restoration- PHASE 1

	Locations										
	1	2	3	4	5	6	7	8	9	O	OO
Variables	NUB	NUB-US-150	NUB-DS-150	NR-1	NR-2	CUB	CUB-US-150	CUB-DS-150	NR-3	P9	P10
Time	11:41	11:39	11:45	11:51	11:58	12:15	12:04	12:06	12:10		
Depth	0.6	0.77	0.7	0.7	0.7	0.5	0.7	0.7	0.7		
Turbidity 1 (NTU)	7.6	6.2	16.2	7.6	7.8	6.1	10.8	9.2	9.5		
Turbidity 2 (NTU)	8.0	6.8	16.0	7.2	8.2	6.0	12.4	8.3	9.4		
Turbidity 3 (NTU)	8.3	6.5	16.0	7.4	8.0	6.4	10.6	9.2	9.6		
Average (NTU)	7.97	6.50	16.07	7.40	8.00	6.17	11.27	8.90	9.50		
LDO (mg/L)	8.13	7.04	7.98	6.96	7.45	7.45	7.55	7.74	7.36		
LDO (% sat)	89.3	77.2	87.1	76.5	80.9	81.1	82.5	84.5	80.7		
Salinity (ppt)	22.4	22.19	22.8	21.9	22	21.80	22.1	22	22.09		
Sp. Cond. (mS/cm)	35.55	35.23	36.1	34.8	34.9	34.7	35.1	35	35.1		
pH	7.98	7.94	7.9	7.9	8	8	8	8	8		
Temperature (°C)	13.9	14.08	13.9	14.25	14.12	14.15	14	14.1	14.1		
Comments:				ShipWreck East bank	Channel Marker	Not Breached			PipeLine Xing		

1	NUB	North Unit Breach		O	Pond 9
2	NUB-US-150	North Unit Breach, 150 feet upstream		OO	Pond 10
3	NUB-DS-150	North Unit Breach, 150 feet downstream			
4	NR-1	Napa River, location 1			
5	NR-2	Napa River, location 2			
6	CUB	Central Unit Breach			
7	CUB-US-150	Central Unit Breach,150 feet upstream			
8	CUB-DS-150	Central Unit Breach, 150 feet downstream			
9	NR-3	Napa River, location 3			

Date: 11/12/2008
Weather: Clear, Sunny
Observers: R. Kuehn

Comparison Points

Napa Plant Site Restoration- PHASE 1

	Locations										
	1	2	3	4	5	6	7	8	9	O	OO
Variables	NUB	NUB-US-150	NUB-DS-150	NR-1	NR-2	CUB	CUB-US-150	CUB-DS-150	NR-3	P9	P10
Time	15:11	15:14	15.17	15:26	15:32	15:48	15:37	15:39	15:42	14:51	15:03
Depth	0.7	0.7	0.3	0.8	0.8	0.7	0.7	0.7	0.7	0.77	0.8
Turbidity 1 (NTU)	12.7	12.8	15.2	24.0	15.5	9.3	17.5	17.7	16.2	12.9	13.2
Turbidity 2 (NTU)	13.4	12.5	13.8	23.3	15.4	10.0	18.8	18.5	18.9	12.9	13.0
Turbidity 3 (NTU)	13.8	13.4	13.9	21.3	15.0	9.6	16.1	18.2	17.5	12.5	13.5
Average (NTU)	13.30	12.90	14.30	22.87	15.30	9.63	17.47	18.13	17.53	12.77	13.23
LDO (mg/L)	8.84	8.28	8.60	7.97	8.08	8.29	8.23	8.15	8.13	8.25	8.96
LDO (% sat)	98	90.0	97	87.3	88.5	91.5	89.5	88.6	88.9	91.3	98.8
Salinity (ppt)	20.8	20.6	20.8	20.6	20.6	20.60	20.6	20.6	20.6	20.9	21.4
Sp. Cond. (mS/cm)	33.20	32.90	33.31	33.1	33	33.05	32.95	32.9	32.96	33.4	34
pH	7.94	7.9	7.95	7.92	7.97	7.95	7.97	7.95	7.95	7.78	7.75
Temperature (°C)	15.5	15.11	15.64	14.90	14.86	15.40	14.87	14.85	14.9	15.3	15.06
Comments:				ShipWreck East bank	Channel Marker	Not Breached			PipeLine Xing		

1	NUB	North Unit Breach	O	Pond 9
2	NUB-US-150	North Unit Breach, 150 feet upstream	OO	Pond 10
3	NUB-DS-150	North Unit Breach, 150 feet downstream		
4	NR-1	Napa River, location 1		
5	NR-2	Napa River, location 2		
6	CUB	Central Unit Breach		
7	CUB-US-150	Central Unit Breach,150 feet upstream		
8	CUB-DS-150	Central Unit Breach, 150 feet downstream		
9	NR-3	Napa River, location 3		

APPENDIX B

Contractor Daily Observations

ATTACHMENT NO. 1
SECTION 01300. SUBMITTALS

DUCKS UNLIMITED

3074 Gold Canal Drive • Rancho Cordova, California, 95670-6116 • (916) 852-2000 • Fax: (916) 852-2200

DUCKS, UNLIMITED, INC.
Napa Plant Site Restoration,
Phase 1- Ponds 9, 10, W1, W2 & W3 (US-CA-446-3)

To: Ducks Unlimited, attn: Steve Carroll	Date Submitted: 9/23/08	Submittal No: 26
From: Dutra Construction John Nelson	☒ New Submittal ☐ Re-Submittal	☐ For Review ☒ Informational Only
Submittal Item:		
Spec. Section & Paragraph:	Supplier/Subcontractor: Dutra Construction	

Contractor to Select One of the Following:

☒ We have verified that the equipment and material contained in this submittal meet all requirements shown or specified in the Contract Documents without exception.

☐ We have verified the equipment and material contained in this submittal meet all requirements shown or specified in the Contract Documents, except for the variances identified and explained on an attached sheet which forms part of this submittal.

Submittal Content And Review Status

Item	Copies	Description	Ducks Unlimited Review: Incomplete Submittal - Submit Specified Item	Favorable Review	Favorable Review with Changes	Revise And Resubmit	Rejected - Resubmit
1.	1	Napa-Sonoma Marshes Wildlife Area [Weeks of 6/23/08 to 9/20/08]					
2.							
3.							
4.							
5.							
6.							
7.							
8.							

Ducks Unlimited Remarks:

NOTE: Corrections or comments made relative to submittals during this review do not relieve the Contractor from compliance with the requirements of the Plans and Specifications. This review is only to confirm general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. The Contractor is responsible for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating its work with that of other trades, and performing its work in a safe and satisfactory manner.

Contractor Signature: Date: 9/23/08

Contractor Name & Title: John M. Nelson, Project Engineer

Ducks Unlimited Signature (Received): Date:

Distributed To: ○ DFG ○ Other: Date:

Ducks Unlimited Signature (Returned): Date:

WEEK OF: 6/22/08 THRU 6/28/08

Napa-Sonoma Marshes Wildlife Area

Napa River Salt Marsh Restoration Project (PONDS W1,W2,W3,9.&10)

Date and Background Information	Sunday SUPT.: MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation: NONE		Monday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Tuesday SUPT:MIKE RUBKE Time: Temp: 80 Wind (Spd/Dir): Precipitation:NONE		Wednesday SUPT:MIKE RUBKE Time: Temp: 80 Wind (Spd/Dir): Precipitation:NONE		Thursday SUPT:MIKE RUBKE Time: Temp: 80 Wind (Spd/Dir): Precipitation:NONE		Friday SUPT:MIKE RUBKE Time: Temp: 80 Wind (Spd/Dir): Precipitation:NONE		Saturday SUPT:MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation:NONE	
	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)
Any pollutants present? (Solids, oil, grease vegetation)				NO		NO		NO		NO		NO		
Any discharge from construction operations present?				NO		NO		NO		NO		NO		
Any present? (list species in comments if known)														
BIRDS:				NO		NO		NO		NO		NO		
OTHER WILDLIFE:				SOME*		SOME*		SOME*		SOME*		SOME*		
FISHERMEN:				NO		NO		NO		NO		NO		
Observation of any potential sources of pollution into Napa River or adjoining sloughs?				NONE		NONE		NONE		NONE		NONE		
Any turbidity readings taken?				N/A		N/A		N/A		N/A		N/A		
TIME:														
GPS LOCATION:														
TURBIDITY (NTU):														

ADDITIONAL COMMENTS: (Include date with any information/data listed) *ON EACH OF THE 5 DAYS LISTED WE OBSERVED SOME BLACKBIRDS, RABBITS,& DUCKS

WEEK OF: 6/29/08 THRU 7/5/08

Napa-Sonoma Marshes Wildlife Area

Napa River Salt Marsh Restoration Project (PONDS W1,W2,W3,9.&10)

NO WORK NO WORK

Date and Background Information	Sunday SUPT.: MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation: NONE		Monday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Tuesday SUPT:MIKE RUBKE Time: Temp: 80 Wind (Spd/Dir): Precipitation:NONE		Wednesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Thursday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Friday SUPT:MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation:NONE		Saturday SUPT:MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation:NONE	
	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)
Any pollutants present? (Solids, oil, grease vegetation)				NO		NO		NO		NO				
Any discharge from construction operations present?				NO		NO		NO		NO				
Any present? (list species in comments if known)														
BIRDS:				NO		NO		NO		NO				
OTHER WILDLIFE:				SOME*		SOME*		SOME*		SOME*				
FISHERMEN:				NO		NO		NO		NO				
Observation of any potential sources of pollution into Napa River or adjoining sloughs?				NO		NO		NO		NO				
Any turbidity readings taken?				N/A		N/A		N/A		N/A				
TIME:														
GPS LOCATION:														
TURBIDITY (NTU):														

ADDITIONAL COMMENTS: (Include date with any information/data listed) *ON EACH OF THE 4 DAYS LISTED WE OBSERVED SOME BLACKBIRDS, RABBITS,AND ON THURS. A SMALL SNAKE AT POND W1 SOUTH END NEAR THE BARGE CANAL.

WEEK OF: 7/6/08 THRU 7/12/08

Napa-Sonoma Marshes Wildlife Area

Napa River Salt Marsh Restoration Project (PONDS W1,W2,W3,9.&10)

Date and Background Information	Sunday SUPT.: MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation: NONE		Monday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Tuesday SUPT:MIKE RUBKE Time: Temp: 80 Wind (Spd/Dir): Precipitation:NONE		Wednesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Thursday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Friday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Saturday SUPT:MIKE RUBKE Time: Temp.: Wind (Spd/Dir): Precipitation:NONE	
	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)
Any pollutants present? (Solids, oil, grease vegetation)				NO		NO		NO		NO		NO		
Any discharge from construction operations present?				NO		NO		NO		NO		NO		
Any present? (list species in comments if known)														
BIRDS:				NO		NO		NO		NO		NO		
OTHER WILDLIFE:				SOME*		SOME*		SOME*		SOME*		SOME*		
FISHERMEN:				NO		NO		NO		NO		NO		
Observation of any potential sources of pollution into Napa River or adjoining sloughs?				NONE		NONE		NONE		NONE		NONE		
Any turbidity readings taken?				N/A		N/A		N/A		N/A		N/A		
TIME:														
GPS LOCATION:														
TURBIDITY (NTU):														

ADDITIONAL COMMENTS: (Include date with any information/data listed) *ON EACH OF THE 5 DAYS LISTED WE OBSERVED SOME BLACKBIRDS, RABBITS, & DUCKS.

WEEK OF: 7/13/08 THRU 7/19/08

Napa-Sonoma Marshes Wildlife Area

Napa River Salt Marsh Restoration Project (PONDS W1,W2,W3,9.&10)

Date and Background Information	Sunday SUPT.: MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation: NONE		Monday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Tuesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Wednesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Thursday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Friday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Saturday SUPT:MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation:NONE	
	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)
Any pollutants present? (Solids, oil, grease vegetation)				NO		NO		NO		NO		NO		
Any discharge from construction operations present?				NO		NO		NO		NO		NO		
Any present? (list species in comments if known)														
BIRDS:				NO		NO		NO		NO		NO		
OTHER WILDLIFE				SOME*		SOME*		NO		NO		NO		
FISHERMEN:				NO		NO		NO		NO		NO		
Observation of any potential sources of pollution into Napa River or adjoining sloughs?				NONE		NONE		NONE		NONE		NONE		
Any turbidity readings taken?				N/A		N/A		N/A		N/A		N/A		
TIME:														
GPS LOCATION:														
TURBIDITY (NTU)														

ADDITIONAL COMMENTS: (Include date with any information/data listed) *DID NOT OBSERVE ANY WILDLIFE OTHER THAN THE USUAL RABBITS, RED TAIL HAWKS, & A FEW BIRDS.

WEEK OF: 7/20/08 THRU 7/26/08

Napa-Sonoma Marshes Wildlife Area

Napa River Salt Marsh Restoration Project (PONDS W1,W2,W3,9.&10)

Date and Background Information	Sunday SUPT.: MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation: NONE		Monday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Tuesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Wednesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Thursday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Friday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Saturday SUPT:MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation:NONE	
	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)
Any pollutants present? (Solids, oil, grease vegetation)				NO		NO		NO		NO		NO		
Any discharge from construction operations present?				NO		NO		NO		NO		NO		
Any present? (list species in comments if known)														
BIRDS:				NO		NO		NO		NO		NO		
OTHER WILDLIFE:				SOME*		SOME*		NO		SOME*		NO		
FISHERMEN:				NO		NO		NO		NO		NO		
Observation of any potential sources of pollution into Napa River or adjoining sloughs?				NONE		NONE		NONE		NONE		NONE		
Any turbidity readings taken?				N/A		N/A		N/A		N/A		N/A		
TIME:														
GPS LOCATION:														
TURBIDITY (NTU):														

ADDITIONAL COMMENTS: (Include date with any information/data listed) *DID NOT OBSERVE ANY WILDLIFE OTHER THAN THE USUAL RABBITS, RED TAIL HAWKS, & A FEW BIRDS.

WEEK OF: 7/27/08 THRU 8/2/08

Napa-Sonoma Marshes Wildlife Area

Napa River Salt Marsh Restoration Project (PONDS W1,W2,W3,9.&10)

Date and Background Information	Sunday SUPT.: MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation: NONE		Monday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Tuesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Wednesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Thursday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Friday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Saturday SUPT:MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation:NONE	
	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)
Any pollutants present? (Solids, oil, grease vegetation)				NO		NO		NO		NO		NO		
Any discharge from construction operations present?				NO		NO		NO		NO		NO		
Any present? (list species in comments if known)														
BIRDS:				NO		NO		NO		NO		NO		
OTHER WILDLIFE				SOME*		NO		NO		SOME*		SOME*		
FISHERMEN:				NO		NO		NO		NO		NO		
Observation of any potential sources of pollution into Napa River or adjoining sloughs?				NONE		NONE		NONE		NONE		NONE		
Any turbidity readings taken?				N/A		N/A		N/A		N/A		N/A		
TIME:														
GPS LOCATION:														
TURBIDITY (NTU)														

ADDITIONAL COMMENTS: (Include date with any information/data listed) *DID NOT OBSERVE ANY WILDLIFE OTHER THAN THE USUAL RABBITS, RED TAIL HAWKS, & A FEW BIRDS.

WEEK OF: 8/3/08 THRU 8/9/08

Napa-Sonoma Marshes Wildlife Area

Napa River Salt Marsh Restoration Project (PONDS W1,W2,W3,9.&10)

Date and Background Information	Sunday SUPT.: MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation: NONE		Monday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Tuesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Wednesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Thursday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Friday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Saturday SUPT:MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation:NONE	
	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)
Any pollutants present? (Solids, oil, grease vegetation)				NO		NO		NO		NO		NO		
Any discharge from construction operations present?				NO		NO		NO		NO		NO		
Any present? (list species in comments if known)														
BIRDS:				NO		NO		NO		NO		NO		
OTHER WILDLIFE:				NO		SOME*		SOME*		NO		SOME*		
FISHERMEN:				NO		NO		NO		NO		NO		
Observation of any potential sources of pollution into Napa River or adjoining sloughs?				NONE		NONE		NONE		NONE		NONE		
Any turbidity readings taken?				N/A		N/A		N/A		N/A		N/A		
TIME:														
GPS LOCATION:														
TURBIDITY (NTU):														

ADDITIONAL COMMENTS: (Include date with any information/data listed) *DID NOT OBSERVE ANY WILDLIFE OTHER THAN THE USUAL RABBITS, RED TAIL HAWKS, & A FEW BIRDS.

WEEK OF: 8/10/08 THRU 8/16/08

Napa-Sonoma Marshes Wildlife Area

Napa River Salt Marsh Restoration Project (PONDS W1,W2,W3,9.&10)

Date and Background Information	Sunday SUPT.: MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation: NONE		Monday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Tuesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Wednesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Thursday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Friday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Saturday SUPT:MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation:NONE	
	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)
Any pollutants present? (Solids, oil, grease vegetation)				NO		NO		NO		NO		NO		
Any discharge from construction operations present?				NO		NO		NO		NO		NO		
Any present? (list species in comments if known)														
BIRDS:				NO		NO		NO		NO		NO		
OTHER WILDLIFE:				SOME*		SOME*		NO		NO		NO		
FISHERMEN:				NO		NO		NO		NO		NO		
Observation of any potential sources of pollution into Napa River or adjoining sloughs?				NONE		NONE		NONE		NONE		NONE		
Any turbidity readings taken?				N/A		N/A		N/A		N/A		N/A		
TIME:														
GPS LOCATION:														
TURBIDITY (NTU):														

ADDITIONAL COMMENTS: (Include date with any information/data listed) *DID NOT OBSERVE ANY WILDLIFE OTHER THAN THE USUAL RABBITS, RED TAIL HAWKS, & A FEW BIRDS.

WEEK OF: 8/17/08 THRU 8/23/08

Napa-Sonoma Marshes Wildlife Area

Napa River Salt Marsh Restoration Project (PONDS W1,W2,W3,9.&10)

Date and Background Information	Sunday SUPT.: MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation: NONE		Monday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Tuesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Wednesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Thursday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Friday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Saturday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE	
	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)
Any pollutants present? (Solids, oil, grease vegetation)				NO		NO		NO		NO		NO		NO
Any discharge from construction operations present?				NO		NO		NO		NO		NO		NO
Any present? (list species in comments if known)														
BIRDS:				NO		NO		NO		NO		NO		NO
OTHER WILDLIFE:				NO		NO		NO		SOME*		SOME*		NO
FISHERMEN:				NO		NO		NO		NO		NO		NO
Observation of any potential sources of pollution into Napa River or adjoining sloughs?				NONE		NONE		NONE		NONE		NONE		NONE
Any turbidity readings taken?				N/A		N/A		N/A		N/A		N/A		N/A
TIME:														
GPS LOCATION:														
TURBIDITY (NTU):														

ADDITIONAL COMMENTS: (Include date with any information/data listed) *DID NOT OBSERVE ANY WILDLIFE OTHER THAN THE USUAL RABBITS, RED TAIL HAWKS, & A FEW BIRDS.

WEEK OF: 8/24/08 THRU 8/30/08

Napa-Sonoma Marshes Wildlife Area

Napa River Salt Marsh Restoration Project (PONDS W1,W2,W3,9.&10)

Date and Background Information	Sunday SUPT.: MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation: NONE		Monday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Tuesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Wednesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Thursday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Friday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Saturday SUPT:MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation:NONE	
	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)
Any pollutants present? (Solids, oil, grease vegetation)				NO		NO		NO		NO		NO		
Any discharge from construction operations present?				NO		NO		NO		NO		NO		
Any present? (list species in comments if known)														
BIRDS:				NO		NO		NO		NO		NO		
OTHER WILDLIFE:				SOME*		SOME*		SOME*		SOME*		SOME*		
FISHERMEN:				NO		NO		NO		NO		NO		
Observation of any potential sources of pollution into Napa River or adjoining sloughs?				NONE		NONE		NONE		NONE		NONE		
Any turbidity readings taken?				N/A		N/A		N/A		N/A		N/A		
TIME:												2:00 PM		
GPS LOCATION:												N/A		
TURBIDITY (NTU):												11.4		

ADDITIONAL COMMENTS: (Include date with any information/data listed) *DID NOT OBSERVE ANY WILDLIFE OTHER THAN THE USUAL RABBITS, RED TAIL HAWKS, & A FEW BIRDS

WEEK OF: 8/31/08 THRU 9/06/08

Napa-Sonoma Marshes Wildlife Area

Napa River Salt Marsh Restoration Project (PONDS W1,W2,W3,9.&10)

Date and Background Information	Sunday SUPT.: MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation: NONE		Monday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Tuesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Wednesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Thursday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Friday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Saturday SUPT:MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation:NONE	
	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)
Any pollutants present? (Solids, oil, grease vegetation)				NO		NO		NO		NO		NO		NO
Any discharge from construction operations present?				NO		NO		NO		NO		NO		NO
Any present? (list species in comments if known)														
BIRDS:				NO		NO		NO		NO		NO		NO
OTHER WILDLIFE:				SOME*		SOME*		SOME*		SOME*		SOME*		SOME*
FISHERMEN:				NO		NO		NO		NO		NO		NO
Observation of any potential sources of pollution into Napa River or adjoining sloughs?				NONE		NONE		NONE		NONE		NONE		NONE
Any turbidity readings taken?				N/A		N/A		N/A		N/A		N/A		N/A
TIME:						2:00 PM		3:00 PM		3:00 PM		3:00 PM		
GPS LOCATION:					N/A		N/A		N/A		N/A			
TURBIDITY (NTU):					15.1		11.0		20.2		12.7			

ADDITIONAL COMMENTS: (Include date with any information/data listed) *DID NOT OBSERVE ANY WILDLIFE OTHER THAN THE USUAL RABBITS, RED TAIL HAWKS, & A FEW BIRDS.

WEEK OF: 9/07/08 THRU 9/13/08

Napa-Sonoma Marshes Wildlife Area

Napa River Salt Marsh Restoration Project (PONDS W1,W2,W3,9.&10)

Date and Background Information	Sunday SUPT.: MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation: NONE		Monday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Tuesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Wednesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Thursday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Friday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Saturday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE	
	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)
Any pollutants present? (Solids, oil, grease vegetation)				NO		NO		NO		NO		NO		NO
Any discharge from construction operations present?				NO		NO		NO		NO		NO		NO
Any present? (list species in comments if known)														
BIRDS:				NO		NO		NO		NO		NO		NO
OTHER WILDLIFE:				SOME*		SOME*		SOME*		SOME*		SOME*		SOME*
FISHERMEN:				NO		NO		NO		NO		NO		NO
Observation of any potential sources of pollution into Napa River or adjoining sloughs?				NONE		NONE		NONE		NONE		NONE		NONE
Any turbidty readings taken?				N/A		N/A		N/A		N/A		N/A		N/A
TIME:				2:00 PM		2:00 PM								
GPS LOCATION:			N/A		N/A									
TURBIDITY (NTU):			11.8		11.9									

ADDITIONAL COMMENTS: (Include date with any information/data listed) *DID NOT OBSERVE ANY WILDLIFE OTHER THAN THE USUAL RABBITS, RED TAIL HAWKS, & A FEW BIRDS.

WEEK OF: 9/14/08 THRU 9/20/08

Napa-Sonoma Marshes Wildlife Area

Napa River Salt Marsh Restoration Project (PONDS W1,W2,W3,9.&10)

Date and Background Information	Sunday SUPT.: MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation: NONE		Monday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Tuesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Wednesday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Thursday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Friday SUPT:MIKE RUBKE Time: Temp: 75 Wind (Spd/Dir): Precipitation:NONE		Saturday SUPT:MIKE RUBKE Time: Temp: Wind (Spd/Dir): Precipitation:NONE	
	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)	Receiving Water (Y/N)	Ponds (Y/N)
Any pollutants present? (Solids, oil, grease vegetation)				NO		NO		NO		NO		NO		
Any discharge from construction operations present?				NO		NO		NO		NO		NO		
Any present? (list species in comments if known)														
BIRDS:				NO		NO		NO		NO		NO		
OTHER WILDLIFE:				SOME*		SOME*		NO		NO		NO		
FISHERMEN:				NO		NO		NO		NO		NO		
Observation of any potential sources of pollution into Napa River or adjoining sloughs?				NONE		NONE		NONE		NONE		NONE		
Any turbidity readings taken?				N/A		N/A		N/A		N/A		N/A		
TIME:						3:30 PM								
GPS LOCATION:					N/A									
TURBIDITY (NTU):					52.3									

ADDITIONAL COMMENTS: (include date with any information/data listed) *DID NOT OBSERVE ANY WILDLIFE OTHER THAN THE USUAL RABBITS, RED TAIL HAWKS, & A FEW BIRDS.