







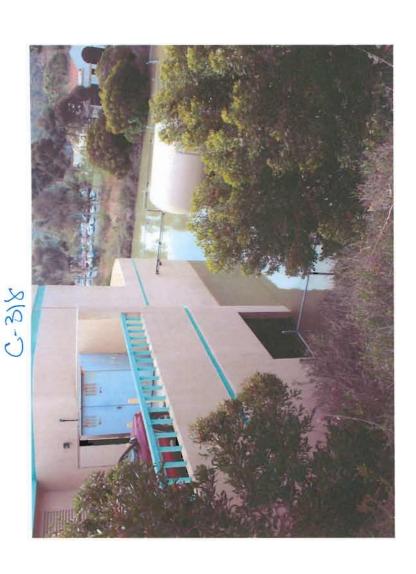


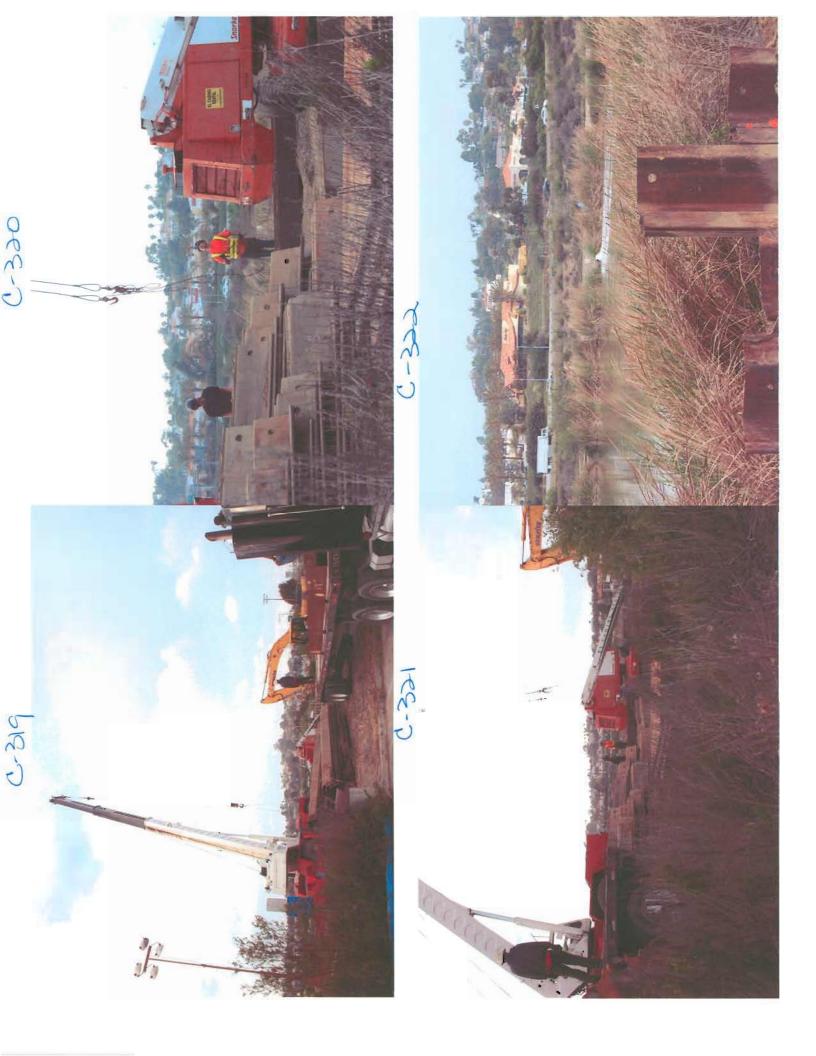




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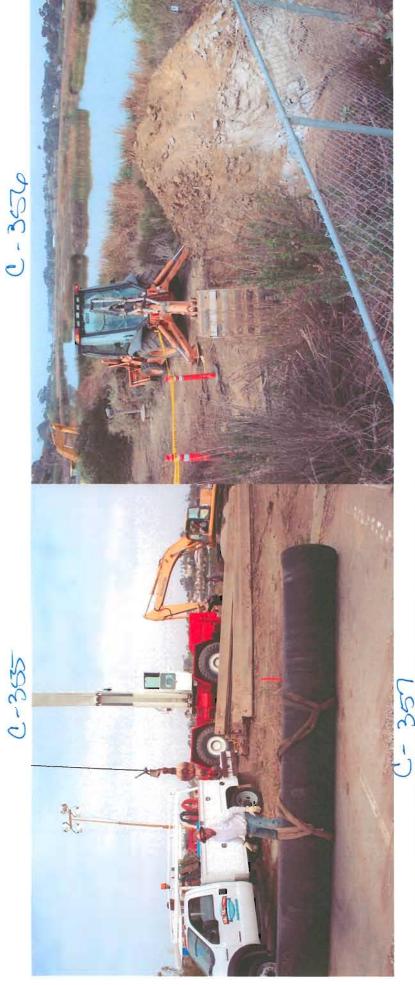


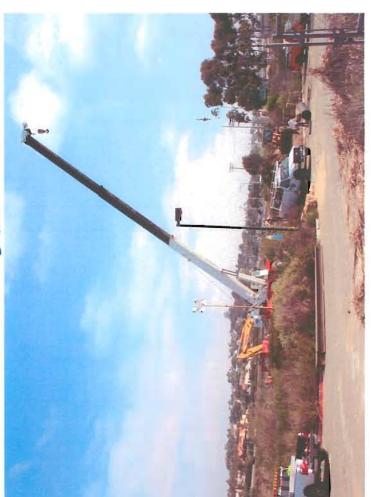




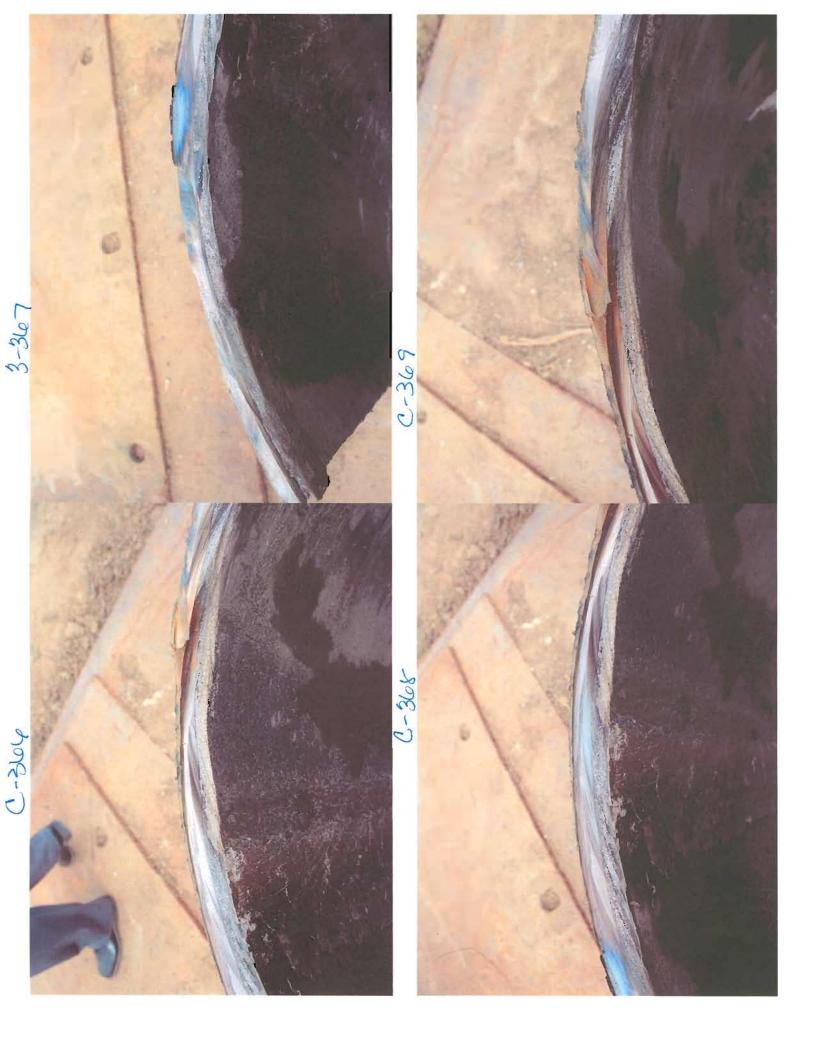


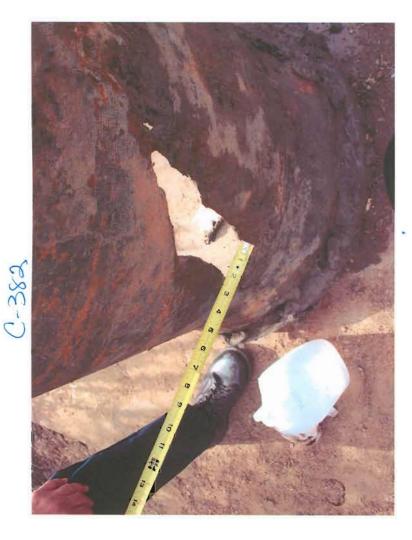




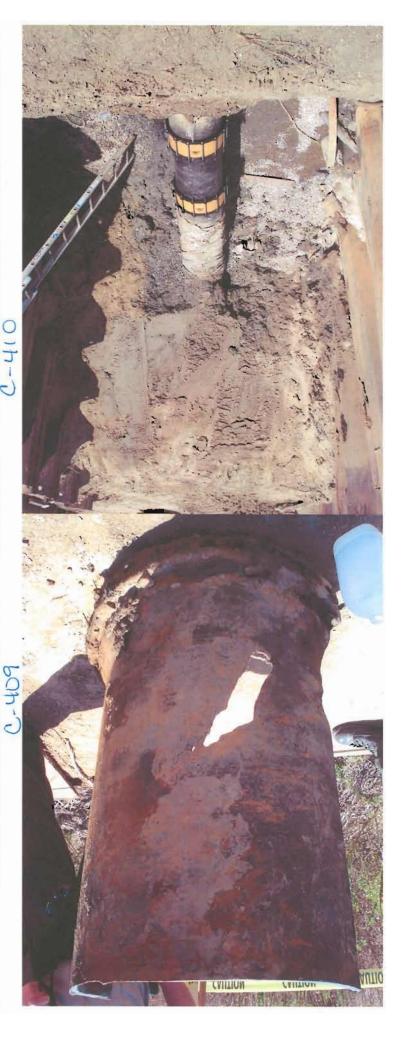












894-0



PHOTO #	DATE	TIME	<u>PHOTOGRAPHER</u>	PHOTO SUMMARY	PHOTO RELEVANCE
E-1	4/2/07	9:00 AM	George Solano, Waste Water Supervisor	Flow rate of spill site	Document spill event
E-2	4/2/07		George Solano, Waste Water Supervisor	Spill site	Documentation of spill site
E-3	4/2/07	10-11:00 AM	George Solano, Waste Water Supervisor	Pump station slowing down flow into 24" line to reduce flow into lagoon by flooding into station	
E-4	4/2/07	10-11:00 AM	George Solano, Waste Water Supervisor	Pump station slowing down flow into 24" line to reduce flow into lagoon by flooding into station	·
E-5	4/2/07	10-11:00 AM	George Solano, Waste Water Supervisor	Pump station slowing down flow into 24" line to reduce flow into lagoon by flooding into station	Document spill event
E-6	4/2/07	11:00 AM	George Solano, Waste Water Supervisor	Mutual aid response. Vactor trucks from Vista, Carlsbad, Leucadia, preparing to assist with pump-out at pump station	Document spill event
E-7	4/2/07	11:00 AM	George Solano, Waste Water Supervisor	Mutual aid response. Vactor trucks from Vista, Carlsbad, Leucadia, preparing to assist with pump-out at pump station	Document spill event
E-8	4/2/07	11:00 AM	George Solano, Waste Water Supervisor	Mutual aid response. Vactor trucks from Vista, Carlsbad, Leucadia, preparing to assist with pump-out at pump station	Document spill event
E-9	4/2/07	11:00 AM	George Solano, Waste Water Supervisor	Mutual aid response. Vactor trucks from Vista, Carlsbad, Leucadia, preparing to assist with pump-out at pump station	Document spill event
E-10	4/2/07	11:00 AM	George Solano, Waste Water Supervisor	Photo showing pump operations at pump station. Mitigation of sewage from going into lagoon	Document spill event
E-11	4/2/07	PM	George Solano, Waste Water Supervisor	Carlsbad officials with press	Informing the media and public
E-12	4/2/07	PM	George Solano, Waste Water Supervisor	Carlsbad officials with press	Informing the media and public
E-13	4/2/07	PM	George Solano, Waste Water Supervisor	Carlsbad officials with press	Informing the media and public
E-14	4/2/07	PM	George Solano, Waste Water Supervisor	Carlsbad officials with press	Informing the media and public
E-15	4/2/07	Mid-day	George Solano, Waste Water Supervisor	Mutual aid response by Vista, Carlsbad, Leucadia	Shows City's 24/7 response to incident
E-16	4/2/07	Mid-day	George Solano, Waste Water Supervisor	Mutual aid response by Vista, Carlsbad, Leucadia	Shows City's 24/7 response to incident
E-17	4/2/07	Mid-day	George Solano, Waste Water Supervisor	Mutual aid response by Vista, Carlsbad, Leucadia	Shows City's 24/7 response to incident
E-18	4/2/07	Mid-day	George Solano, Waste Water Supervisor	Mutual aid response by Vista, Carlsbad, Leucadia	Shows City's 24/7 response to incident
E-19	4/2/07	PM	George Solano, Waste Water Supervisor	Photo of spill site	Documentation of spill rate
E-20	4/2/07	12:00 PM	George Solano, Waste Water Supervisor	Photo of contractors shoring panels	Documenting arrival of safety shoring for excavation work
E-21	4/2/07	12:00 PM	George Solano, Waste Water Supervisor	Photo of contractors shoring panels	Documenting arrival of safety shoring for excavation work

PHOTO #	DATE	TIME	<u>PHOTOGRAPHER</u>	PHOTO SUMMARY	PHOTO RELEVANCE
E-22	4/2/07	12:00 PM	George Solano, Waste Water	Photo of contractors shoring panels	Documenting arrival of safety shoring for
			Supervisor		excavation work
E-23	4/2/07	12:00 PM	George Solano, Waste Water	Photo of contractors shoring panels	Documenting arrival of safety shoring for
			Supervisor		excavation work
E-24	4/2/07	12:00 PM	George Solano, Waste Water	Photo of contractors shoring panels	Documenting arrival of safety shoring for
			Supervisor		excavation work
E-25	4/2/07	12:00 PM	George Solano, Waste Water	Photo of contractors shoring panels	Documenting arrival of safety shoring for
E 00	4/0/07	40.00 BM	Supervisor		excavation work
E-26	4/2/07	12:00 PM	George Solano, Waste Water	Photo of contractors shoring panels	Documenting arrival of safety shoring for
E-27	4/0/07	12:00 PM	Supervisor George Solano, Waste Water	Dhata af agustus ataus ahaying namala	excavation work
E-21	4/2/07	12:00 PW	Supervisor	Photo of contractors shoring panels	Documenting arrival of safety shoring for excavation work
E-28	4/2/07	1:00 PM	George Solano, Waste Water	Shoring sheet piles; preparing to be installed	Documentation of efforts to shore
			Supervisor		excavation to safely dig to pipe
E-29	4/2/07	1:00 PM	George Solano, Waste Water	Shoring sheet piles; preparing to be installed	Documentation of efforts to shore
			Supervisor		excavation to safely dig to pipe
E-30	4/2/07	1:00 PM	George Solano, Waste Water	Sheet pile shoring being installed	Documentation of shoring being installed
			Supervisor		before excavation to pipe can begin
E-31	4/2/07	1:00 PM	George Solano, Waste Water	Sheet pile shoring being installed	Documentation of shoring being installed
			Supervisor	3	before excavation to pipe can begin
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E-32	4/2/07	1:00 PM	George Solano, Waste Water	Sheet pile shoring being installed	Documentation of shoring being installed
			Supervisor		before excavation to pipe can begin
E-33	4/2/07	1:00 PM	George Solano, Waste Water	Sheet pile shoring being installed	Documentation of shoring being installed
			Supervisor		before excavation to pipe can begin
E-34	4/2/07	1:00 PM	George Solano, Waste Water	Sheet pile shoring being installed	Documentation of shoring being installed
			Supervisor		before excavation to pipe can begin
E-35	4/2/07	1:00 PM	George Solano, Waste Water	Sheet pile shoring being installed	Documentation of shoring being installed
2 00	1,2,01	1.0011	Supervisor	One of pile of ording being inclained	before excavation to pipe can begin
					p.po can bog
E-36	4/2/07	1:00 PM	George Solano, Waste Water	Sheet pile shoring being installed	Documentation of shoring being installed
			Supervisor		before excavation to pipe can begin
			'		
E-37	4/2/07	1:00 PM	George Solano, Waste Water	Sheet pile shoring being installed	Documentation of shoring being installed
			Supervisor		before excavation to pipe can begin
E-38	4/2/07	1:00 PM	George Solano, Waste Water	Sheet pile shoring being installed	Documentation of shoring being installed
			Supervisor		before excavation to pipe can begin
E-20	4/2/07	1:00 DM	Goorge Solane Waste Water	Shoot pile shoring being installed	II) ocumentation of charing boing inetalled
E-39	4/2/07	1:00 PM	George Solano, Waste Water	Sheet pile shoring being installed	Documentation of shoring being installed
E-39	4/2/07	1:00 PM	George Solano, Waste Water Supervisor	Sheet pile shoring being installed	before excavation to pipe can begin
			Supervisor		before excavation to pipe can begin
E-39 E-40	4/2/07	1:00 PM 2:00 PM	Supervisor  George Solano, Waste Water	Sheet pile shoring being installed  Photo showing size of sheet piles	before excavation to pipe can begin  Documenting size of sheets and process
			Supervisor		before excavation to pipe can begin

PHOTO #	DATE	TIME	<u>PHOTOGRAPHER</u>	PHOTO SUMMARY	PHOTO RELEVANCE
E-42	4/2/07	3:00 PM	George Solano, Waste Water Supervisor	Photo showing Carlsbad crews exposing 24" main up stream of break	Documenting dig effort
E-43	4/2/07	7:00 PM	George Solano, Waste Water Supervisor	Piles in place	Document time required to install piles
E-44	4/2/07	7:00 PM	George Solano, Waste Water Supervisor	Piles in place	Document time required to install piles
E-45	4/2/07	7-Midnight	George Solano, Waste Water Supervisor	Excavator moving into begin excavation	Documents time between shore; Installed and excavation begins
E-46	4/2/07	7-Midnight	George Solano, Waste Water Supervisor	Excavator removing sewage from spillsite. White compression coupling in photo	Documentation showing 2" water line above 24" sewer line.
E-47	4/2/07	9-Midnight	George Solano, Waste Water Supervisor	City of Vista, 6" trail pump being moved into position	Document City's 24/7 response effort
E-48	4/2/07	PM	George Solano, Waste Water Supervisor	Excavator exposed in a 2" water line approx. 4' above 24" forcemain. Compression repair coupling was also noted in previous photo	Documentation showing 2" water line above 24" sewer line.
E-49	4/3/07	1:00 AM	George Solano, Waste Water Supervisor	City of Vista Crews	Documenting City's 24/7 response efforts
E-50	4/3/07	1:00 AM	George Solano, Waste Water Supervisor	Excavator digging to locate pipe (24" FM). 2" water line next to bucket	Documenting City's 24/7 response efforts
E-51	4/3/07	2:00 AM	George Solano, Waste Water Supervisor	Contractor hand digging to locate 24" F.M.	Documentation of time crews entered excavation site
E-52	4/3/07	2:00 AM	George Solano, Waste Water Supervisor	Contractor hand digging to locate 24" F.M.	Documentation of time crews entered excavation site
E-53	4/3/07	2:00 AM	George Solano, Waste Water Supervisor	Contractor hand digging to locate 24" F.M.	Documentation of time crews entered excavation site
E-54	4/3/07	1:00-3:00 AM	George Solano, Waste Water Supervisor	Crews exposed pipe	Document crews locating and exposing 24" forcemain
E-55	4/3/07	1:00-3:00 AM	George Solano, Waste Water Supervisor	Crews exposed pipe	Document crews locating and exposing 24" forcemain
E-56	4/3/07	1:00-3:00 AM	George Solano, Waste Water Supervisor	Crews exposed pipe	Document crews locating and exposing 24" forcemain
E-57	4/3/07	1:00-3:00 AM	George Solano, Waste Water Supervisor	Crews exposed pipe	Document crews locating and exposing 24" forcemain
E-58	4/3/07	1:00-3:00 AM	George Solano, Waste Water Supervisor	Crews exposed pipe	Document crews locating and exposing 24" forcemain
E-59	4/3/07	4:00-6:00 AM	George Solano, Waste Water Supervisor	Contractor crews begin cutting pipe	Document crews begin cutting pipe to remove damaged section
E-60	4/3/07	4:00-6:00 AM	George Solano, Waste Water Supervisor	Contractor crews begin cutting pipe	Document crews begin cutting pipe to remove damaged section
E-61	4/3/07	4:00-6:00 AM	George Solano, Waste Water Supervisor	Contractor crews begin cutting pipe	Document crews begin cutting pipe to remove damaged section
E-62	4/3/07	4:00-6:00 AM	George Solano, Waste Water Supervisor	Contractor crews begin cutting pipe	Document crews begin cutting pipe to remove damaged section

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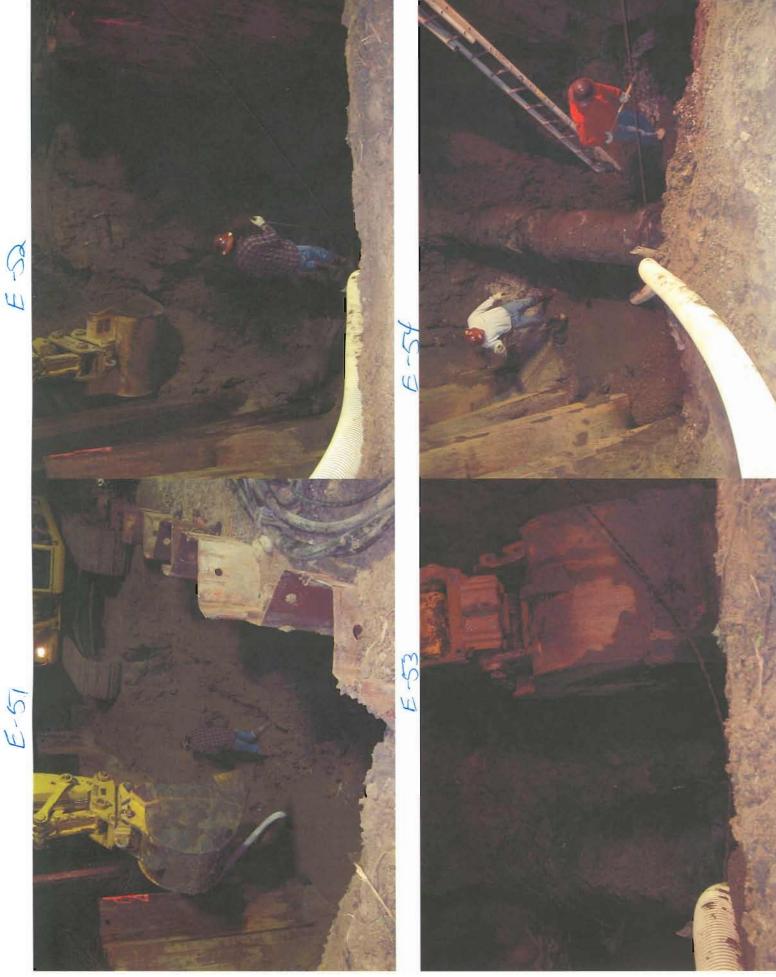














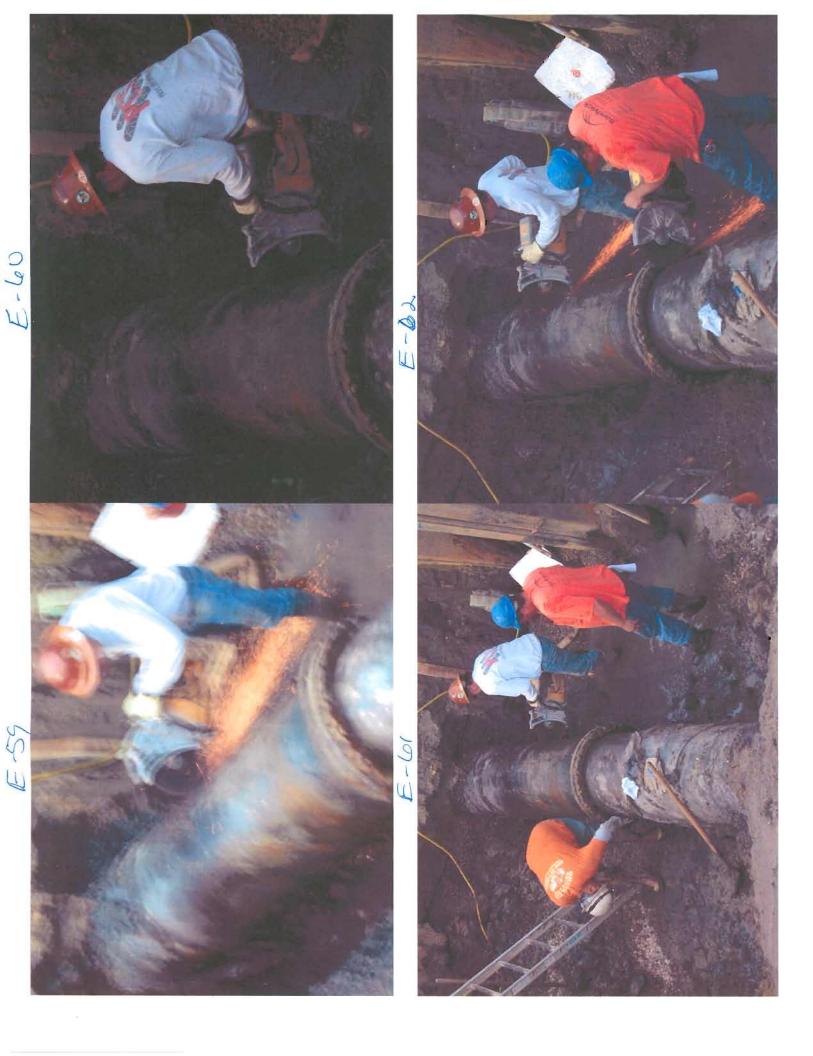


PHOTO #	DATE	TIME	<u>PHOTOGRAPHER</u>	PHOTO SUMMARY	PHOTO RELEVANCE
V-1	4/3/07	10:30 AM	Rick Dudley, Asst City Manager	Repair effort in progress	Quick action to contain spill
V-2	4/3/07	10:30 AM	Rick Dudley, Asst City Manager	Repair effort in progress	Quick action to contain spill
				Vista City Attorney Darold Pieper views the	
V-3	4/3/07		Rick Dudley, Asst City Manager	failed portion of pipe	Quick action to contain spill
				Vista City Attorney Darold Pieper views the	
V-4	4/3/07		Rick Dudley, Asst City Manager	failed portion of pipe	Quick action to contain spill
V-5	4/3/07	10:35 AM	Rick Dudley, Asst City Manager	Failed portion of pipe	Document failed pipe
V-6	4/3/07	10:35 AM	Rick Dudley, Asst City Manager	Failed portion of pipe	Document failed pipe
V-7	4/3/07	10:35 AM	Rick Dudley, Asst City Manager	Failed portion of pipe	Document failed pipe
V-8	4/3/07	10:35 AM	Rick Dudley, Asst City Manager	Close-up of failed portion of pipe	Document failed pipe
V-9	4/3/07	10:35 AM	Rick Dudley, Asst City Manager	Close-up of failed portion of pipe	Document failed pipe
V-10	4/3/07	10:35 AM	Rick Dudley, Asst City Manager	Close-up of failed portion of pipe	Document failed pipe
V-11	4/3/07	10:35 AM	Rick Dudley, Asst City Manager	Close-up of failed portion of pipe	Document failed pipe
V-12	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-13	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-14	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-15	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-16	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-17	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-18	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-19	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-20	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-21	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-22	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-23	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-24	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-25	4/3/07	10:40 AM	Rick Dudley, Asst City Manager	Repair work taking place on pipe	Quick action to contain spill
V-26	4/3/07	10:45 AM	Rick Dudley, Asst City Manager	Old pylon in excavation site	Quick action to contain spill
V-27	4/3/07	10:50 AM	Rick Dudley, Asst City Manager	Aerator installation	Quick action to contain spill
V-28	4/3/07	10:50 AM	Rick Dudley, Asst City Manager	Aerator in action	Quick action to contain spill
V-29	4/3/07	10:50 AM	Rick Dudley, Asst City Manager	Aerator in action	Quick action to contain spill
V-30	4/3/07	10:50 AM	Rick Dudley, Asst City Manager	Aerator in action	Quick action to contain spill
V-31	4/3/07	10:50 AM	Rick Dudley, Asst City Manager	Aerator in action	Quick action to contain spill
V-32	4/3/07	10:50 AM	Rick Dudley, Asst City Manager	Aerator in action	Quick action to contain spill
V-33	4/3/07	10:55 AM	Rick Dudley, Asst City Manager	Environmental surveying taking place	Quick action to contain spill
V-34	4/3/07	10:55 AM	Rick Dudley, Asst City Manager	Environmental surveying taking place	Quick action to contain spill
V-35	4/3/07	11:00 AM	Rick Dudley, Asst City Manager	Buena Vista lagoon	Quick action to contain spill
V-36	4/3/07	11:00 AM	Rick Dudley, Asst City Manager	Buena Vista lagoon	Quick action to contain spill
V-37	4/3/07	11:00 AM	Rick Dudley, Asst City Manager	Buena Vista lagoon	Quick action to contain spill
V-38	4/3/07	11:00 AM	Rick Dudley, Asst City Manager	Environmental surveying continues	Quick action to contain spill



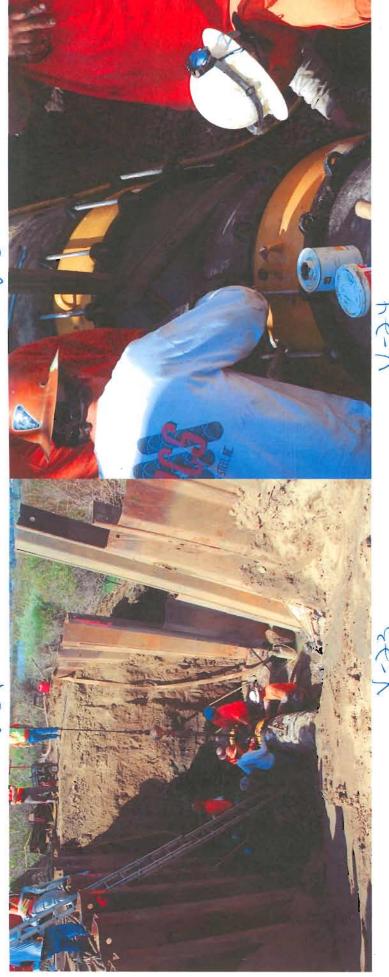








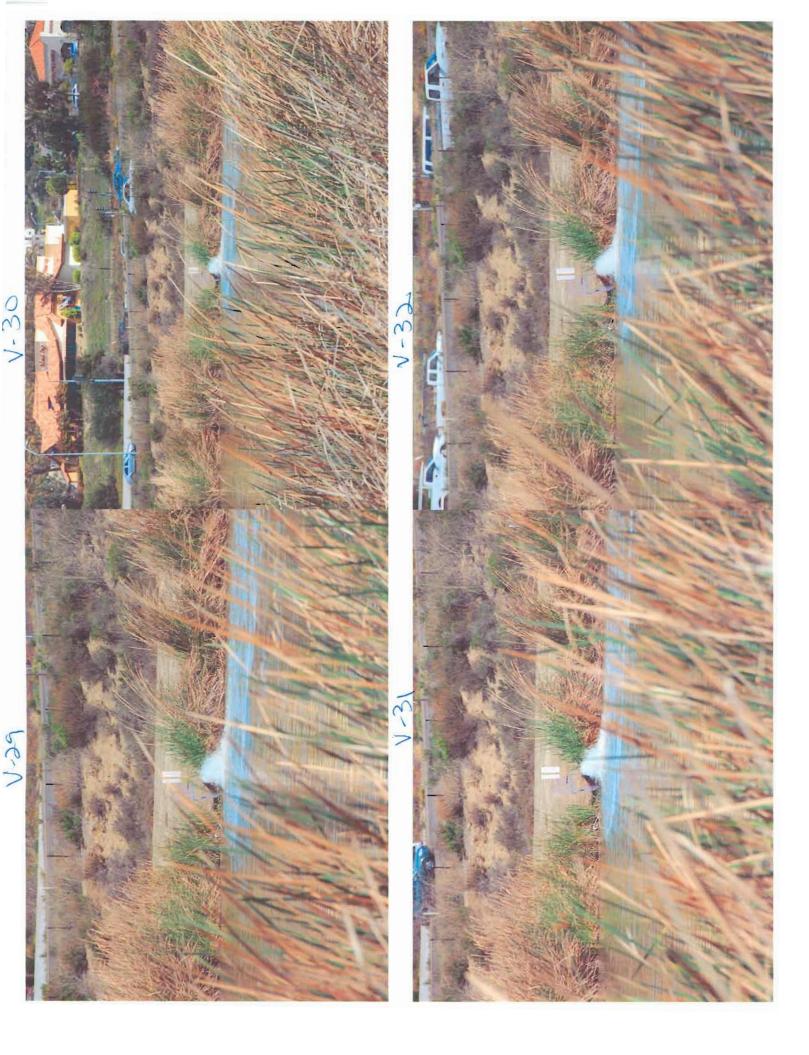


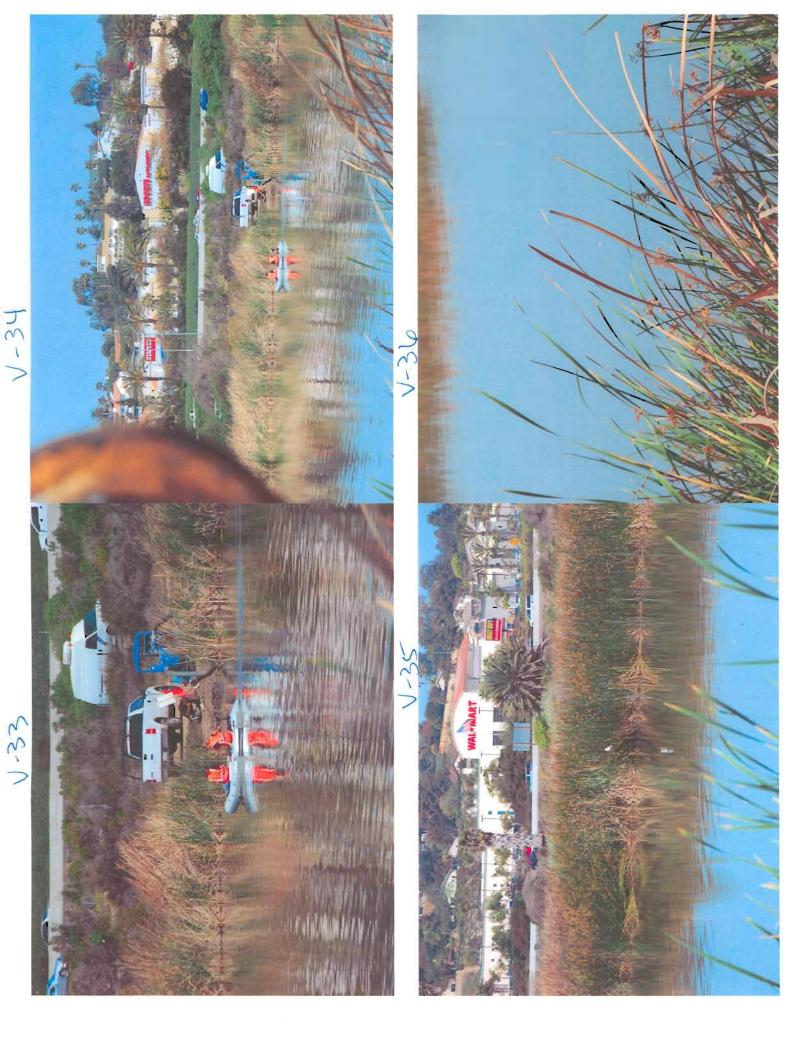


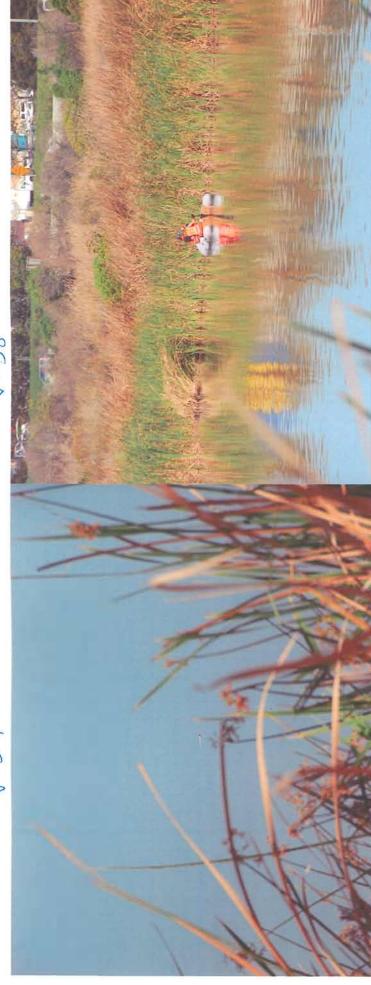


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## Buena Vista Spill Photos Encina Wastewater

PHOTO #	DATE	TIME	PHOTOGRAPHER	PHOTO SUMMARY	PHOTO RELEVANCE
EW-1	4/2/07	9:30 AM	John Fetu, EWA	BV Pump Station Wetwell Flood Electrical Conduit	Documentation of spill site
EW-2	4/2/07	9:30 AM	John Fetu, EWA	Flooded BV Pump Station Wet Well	Documentation of spill site
EW-3	4/2/07	9:30 AM	John Fetu, EWA	Vactor Truck Diversion Pumping BVPS	Quick Response to spill event
EW-4	4/2/07	9:32 AM	John Fetu, EWA	Atlas Pumping Flooded BVPS Containment area.	Quick Response to spill event
EW-5	4/2/07	9:46 AM	John Fetu, EWA	Verification of Time	Document spill event
EW-6	4/2/07	9:57 AM	John Fetu, EWA	Motor Room Floor, BVPS, Seal Water Reservoir	Document spill event
EW-7	4/2/07	9:57 AM	John Fetu, EWA	Motor Room Floor, BVPS, Seal Water and Conduits	Document spill event
EW-8	4/2/07	10:00 AM	John Fetu, EWA	Flooded Motor Room Floor, BVPS	Document spill event
EW-9	4/2/07	9:58 AM	John Fetu, EWA	BVPS Dry Well, Pump Discharge Force Main	Document spill event
EW-10	4/2/07	10:00 AM	John Fetu, EWA	BVPS Dry Well, Pipe Penetraction Leakage	Document spill event
EW-11	4/2/07	10:00 AM	John Fetu, EWA	BVPS Dry Well Force Main	Document spill event
EW-12	4/2/07	10:05 AM	John Fetu, EWA	BVPS Ceiling in Dry Well With leaking Conduit Penetrations	Document spill event
EW-13	4/2/07	10:00 AM	John Fetu, EWA	BVPS Storm Door Seal Leaking	Document spill event
EW-14	4/2/07	10:05 AM	John Fetu, EWA	BVPS Sand Bags at Storm Door (leaking)	Document spill event
EW-15	4/2/07	10:26 AM	John Fetu, EWA	BVPS Wet Well Flooded	Document spill event
EW-16	4/2/07	10:26 AM	John Fetu, EWA	Float & Instrumentation at BVPS Wet Well (Flooded!)	Document spill event
EW-17	4/2/07	9:30 AM	John Fetu, EWA	BVPS Float & Instrumentation at Wet Well	Document spill event
EW-18	4/2/07	11:25 AM	John Fetu, EWA	VPS Flooded Wet Well (Top of Stairs with Handrail)	Document spill event
EW-19	4/3/07	3:00 PM	John Fetu, EWA	Removed Pipe Section	Document spill event
EW-20	4/3/07	3:00 PM	John Fetu, EWA	Removed Damaged Pipe	Document spill event
EW-21	4/3/07	3:00 PM	John Fetu, EWA	Damaged Pipe	Document spill event
EW-22	4/3/07	3:00 PM	John Fetu, EWA	Damaged Pipe	Document spill event
EW-23	4/3/07	3:00 PM	John Fetu, EWA	Damaged Pipe	Document spill event
EW-24	4/3/07	3:00 PM	John Fetu, EWA	Repaired Force Main	Documentation of repair
EW-25	4/3/07	12:00 PM	John Fetu, EWA	Contractor Working at Repair Site	Documentation of repair
EW-26	4/3/07	12:00 PM	John Fetu, EWA	BVPS Force Main at Jefferson St. Bridge	Document spill event
EW-27	4/3/07	12:00 PM	John Fetu, EWA	Excavating Force Main at Jefferson St. Bridge	Documentation of repair
EW-28	4/3/07	12:00 PM	John Fetu, EWA	Contractor at Repair Site, Shoring	Documentation of repair
EW-29	4/3/07	12:00 PM	John Fetu, EWA	Contractor Repairing Damaged Pipe	Documentation of repair
EW-30	4/3/07	12:00 PM	John Fetu, EWA	Contractor on site making Force Main repairs	Documentation of repair
EW-31	4/3/07	9:45 AM	Bruce Dale, Asst Operations Superintendent	South Gate, BVPS Containment Basin	Document spill event
EW-32	4/3/07	9:45 AM	Bruce Dale, Asst Operations Superintendent	Roof Top View, South Gate BVPS Containment Basin	Document spill event
EW-33	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	South East Fenceline, BVPS, Creek Levee	Document spill event
EW-34	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	Roof Top East View, BVPS Containment, Pump Back OPS	Quick Response to spill event
EW-35	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	BVPS Influent Manhole Raw Sewage Upwelling at Containment Basin	Document spill event

## Buena Vista Spill Photos Encina Wastewater

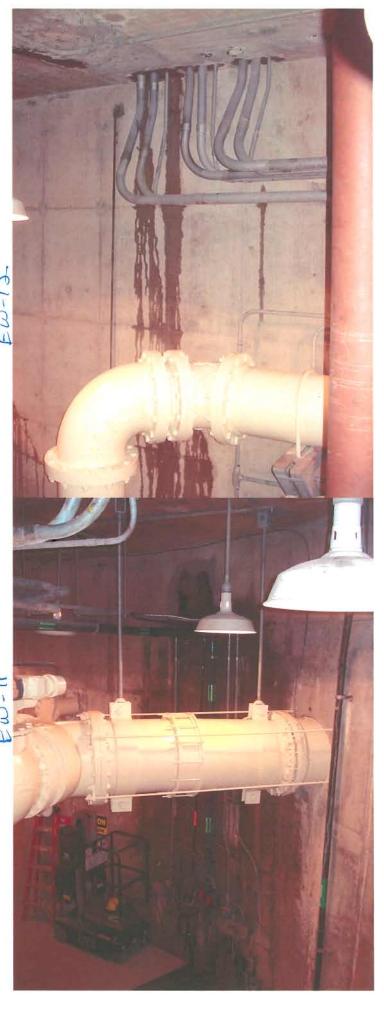
PHOTO#		<u>TIME</u>	<u>PHOTOGRAPHER</u>	PHOTO SUMMARY	PHOTO RELEVANCE
EW-36	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	East Fenceline, BVPS, Atlas Pump Back Ops	Document spill event
EW-37	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	Southeast View, BVPS Containment Basin, Containment level approaching levee breach	Document spill event
EW-38	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	South View BVPS Containment Basin (blurred)	Document spill event
EW-39	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	Pump back operation lined up on Jefferson St.	Quick Response to spill event
EW-40	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	BVPS "Surge Tank", West View, Flooded	Document spill event
EW-41	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	BVP Potable Water Air Gap Tank in Flooded Containment Basin	Document spill event
EW-42	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	West View, East Side BVPS, Storm Drain With Atlas Pump Back Ops	Quick Response to spill event
EW-43	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	East Side BVPS Pump Back Ops at Storm Drain Overflow.	Quick Response to spill event
EW-44	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	West View BVPS Containment Basin, Flooded	Document spill event
EW-45	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	East View, Flooded, BVPS Containment Basin	Document spill event
EW-46	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	North View Flooded BVPS Containment Basin	Document spill event
EW-47	4/3/07	10:00 AM	Bruce Dale, Asst Operations Superintendent	South View Levee Breech Area BVPS	Document spill event
EW-48	4/3/07	10:10 AM	Bruce Dale, Asst Operations Superintendent	Levee Breech Area, BVPS	Document spill event
EW-49	4/3/07	10:15 AM	Bruce Dale, Asst Operations Superintendent	Sewage Oveflow into Storm drain at BVPS	Document spill event
EW-50	4/3/07	10:15 AM	Bruce Dale, Asst Operations Superintendent	Air Reservoir at BVPS - Flooded	Document spill event
EW-51	4/3/07	10:20 AM	Bruce Dale, Asst Operations Superintendent	South View BVPS Storm Door, Flooding & Spilling over the Levee.	Document spill event
EW-52	4/3/07	10:20 AM	Bruce Dale, Asst Operations Superintendent	Southeast View BVPS storm door, Flooded & Spilling	Document spill event
EW-53	4/3/07	10:20 AM	Bruce Dale, Asst Operations Superintendent	Southwest View BVPS, Flooded & Spilling	Document spill event
EW-54	4/3/07	10:20 AM	Bruce Dale, Asst Operations Superintendent	West View Flooded BVPS containment basin	Document spill event
EW-55	4/3/07	10:20 AM	Bruce Dale, Asst Operations Superintendent	South West View Flooded BVPS Containment & Levee	Document spill event

## Buena Vista Spill Photos Encina Wastewater

PHOTO #	DATE	<u>TIME</u>	<u>PHOTOGRAPHER</u>	PHOTO SUMMARY	PHOTO RELEVANCE
EW-56	4/3/07	10:20 AM	Bruce Dale, Asst Operations Superintendent	South View BVPS Containment Basin	Document spill event
EW-57	4/3/07	10:20 AM	Bruce Dale, Asst Operations Superintendent	South View, Flooded BVPS Containment Basin	Document spill event
EW-58	4/3/07	10:30 AM	Bruce Dale, Asst Operations Superintendent	Southeast View, Flooded BVPS Storm Door.	Document spill event
EW-59	4/3/07	10:30 AM	Bruce Dale, Asst Operations Superintendent	East View Flooded BVPS Storm Door	Document spill event
EW-60	4/3/07	10:50 AM	Bruce Dale, Asst Operations Superintendent	BVPS South Gate, Flooded	Document spill event
EW-61	4/4/07	7:00 AM	Bruce Dale, Asst Operations Superintendent	BVPS Lagoon/Channel Pump Back Mitigation Effort two pumps and hoses run to BVPS influent wet well	Quick Response to spill event
EW-62	4/4/07	7:00 AM	Bruce Dale, Asst Operations Superintendent	BVPS Lagoon / Channel Pump back mitigation effort 2 pump discharge lines to BVPS influent wet well manhole. East View fence line with rags and debris.	Quick Response to spill event
EW-63	4/4/07	7:15 AM	Bruce Dale, Asst Operations Superintendent	BVPS, Roof Top view of fence line with rags	Document spill event
EW-64	4/4/07	7:30 AM	Bruce Dale, Asst Operations Superintendent	BVPS, Southwest view, containment basin drain clean-up	Quick Response to spill event

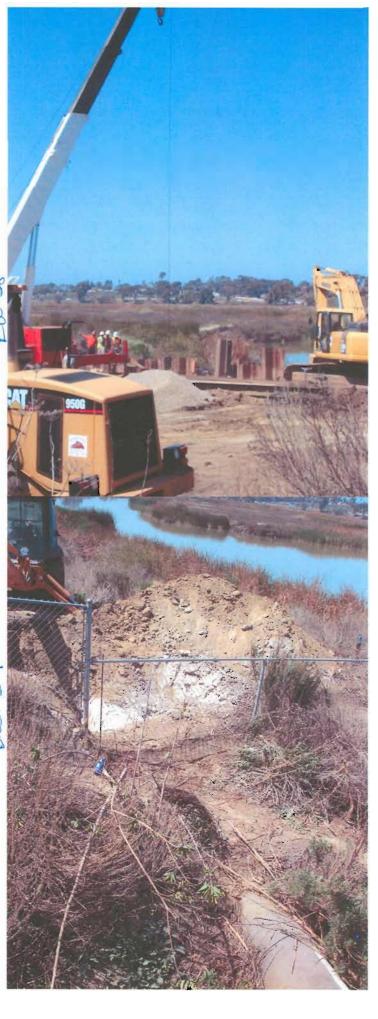






Fw-I7

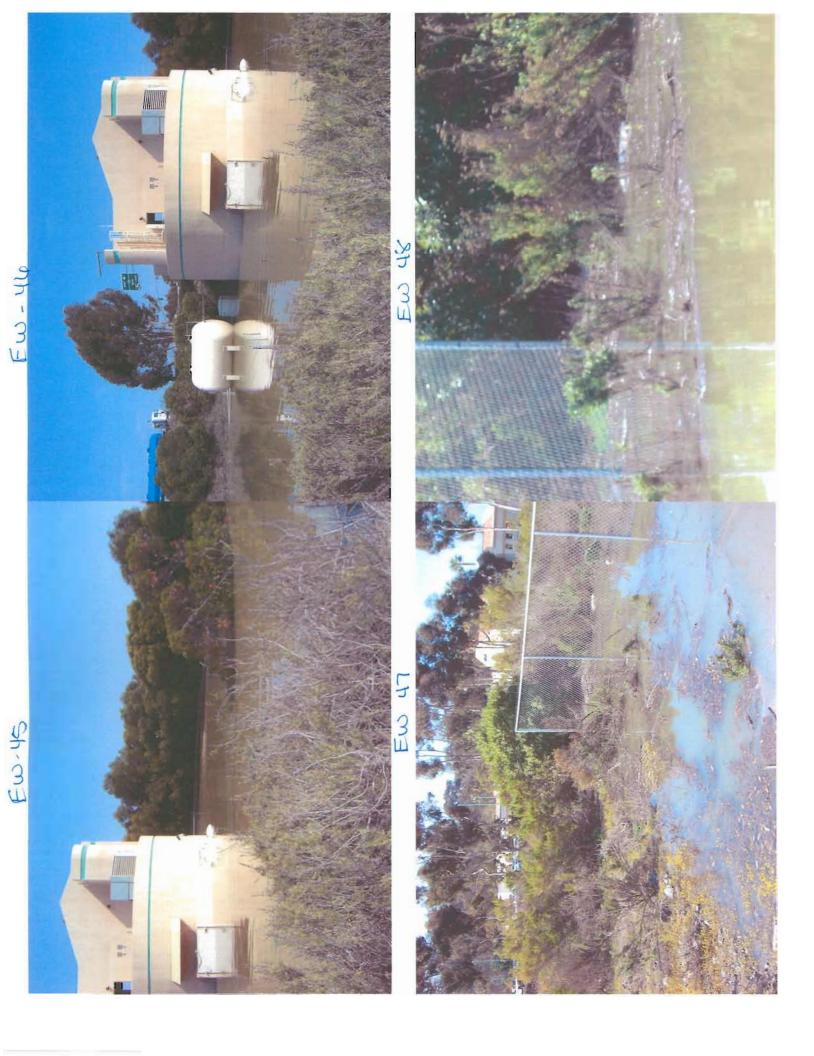
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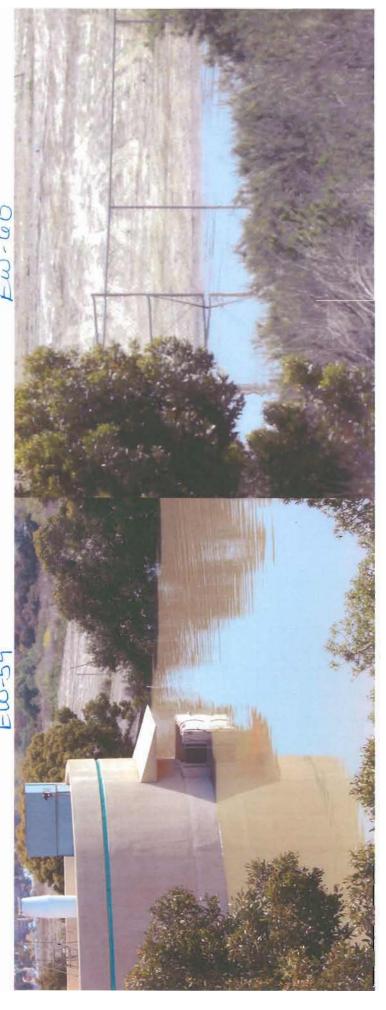
Ew-25

Ew 30

PE-W39







## Summary of Buena Vista Lagoon Annotated Photographs Taken by Weston Solutions

Due to the high volume of pictures that were captured by Weston Solutions personnel, only a fraction of the total pictures were annotated and placed into Microsoft word documents. All pictures, however, both annotated and non-annotated, are provided on a CD ROM from each day that Weston Solutions performed monitoring. For each annotated picture, the picture ID consists of the numeric date followed by a dashed line and the picture number. For example, the 5<sup>th</sup> picture annotated on April 3, 2007 would have the photo ID of "43-5". Sediment samples taken on April 4 and 5 are indicated by an S after the date in the photo ID. Within each annotation, the photo ID is followed by the date, time, photographer, photo description, and direction the camera was pointed when the picture was taken. In some instances, the view, or camera direction was not provided if the camera was directed downward at the water or if the camera angle could not be determined due to a lack of landmarks.



**W43-1: Date:** April 3, 2007 **Time:** 10:59am. **Photographer:** N. Woodward **Description:** Crane and backhoe performing maintenance on broken pipe

View: Southeast



W43-2: Date: April 3, 2007 Time: 11:00am. Photographer: E. Goldstein Description: Various species of dead fish collected from East Basin



W43-3: Date: April 3, 2007 Time: 11:05am. Photographer: N. Woodward

**Description:** Aeration pump used to increase DO in East Basin

View: Northeast



W43-4: Date: April 3, 2007 Time: 11:26am. Photographer: N. Woodward

**Description:** East Basin waterline **View:** South



W43-5: Date: April 3, 2007 Time: 11:32am. Photographer: N. Woodward Description: East Basin waterline View: North



W43-6: Date: April 3, 2007 Time: 11:54am. Photographer: E. Goldstein

**Description:** Aeration pump used to increase DO in East Basin

View: Northeast



W43-7: Date: April 3, 2007 Time: 11:54am. Photographer: N. Woodward Description: Foam on water surface of East Basin View: East



W43-8: Date: April 3, 2007 Time: 11:54am. Photographer: N. Woodward Description: Jefferson Street Bridge View: East



W43-9: Date: April 3, 2007 Time: 11:54am. Photographer: N. Woodward

**Description:** Media around East Basin **View:** East northeast



W43-10: Date: April 3, 2007 Time: 12:06pm. Photographer: N. Woodward

**Description:** Aeration pump used to increase DO in East Basin

**View:** Northeast



**W43-11: Date:** April 3, 2007 **Time:** 12:07pm. **Photographer:** N. Woodward **Description:** Catfish at the surface in East Basin



W43-12: Date: April 3, 2007 Time: 12:14pm. Photographer: N. Woodward Description: Dead green sunfish collected in East Basin



W43-13: Date: April 3, 2007 Time: 12:22pm. Photographer: N. Woodward

**Description:** Algae clumps on water surface in East Basin

View: North



**W43-14: Date:** April 3, 2007 **Time:** 12:22pm. **Photographer:** N. Woodward **Description:** Crane and backhoe performing maintenance on broken pipe

View: Southeast



W43-15: Date: April 3, 2007 Time: 12:56pm. Photographer: N. Woodward Description: Water surface in East Basin showing algal mats View: Northeast



W43-16: Date: April 3, 2007 Time: 12:56pm. Photographer: N. Woodward Description: East Basin waterline View: West



W43-17: Date: April 3, 2007 Time: 12:56pm. Photographer: N. Woodward Description: Dislodged benthic algal clumps in East Basin View: Southeast



**W43-18: Date:** April 3, 2007 **Time:** 12:57pm. **Photographer:** N. Woodward **Description:** Dislodged benthic algal clumps on water surface in East Basin



W43-19: Date: April 3, 2007 Time: 13:26pm. Photographer: N. Woodward Description: Reeds in East Basin View: West



**W43-20: Date:** April 3, 2007 **Time:** 14:55pm. **Photographer:** N. Woodward **Description:** Water siphon from aeration pump in East Basin **View:** South



**W43-21: Date:** April 3, 2007 **Time:** 15:32pm. **Photographer:** N. Woodward **Description:** Water and reeds near Coast Hwy Middle Basin **View:** Northwest



W43-22: Date: April 3, 2007 Time: 16:08pm. Photographer: N. Woodward Description: Reeds and water in Middle Basin View: Southeast



**W43-23: Date:** April 3, 2007 **Time:** 16:33pm. **Photographer:** N. Woodward **Description:** Foam on water-Middle Basin **View:** South



W43-24: Date: April 3, 2007 Time: 16:34pm. Photographer: N. Woodward Description: Reeds and water in Middle Basin View: Northeast



W43-25: Date: April 3, 2007 Time: 16:48pm. Photographer: N. Woodward Description: Reeds and water in Middle Basin View: undetermined



**W43-26: Date:** April 3, 2007 **Time:** 16:57pm. **Photographer:** N. Woodward **Description:** Reeds and water in Middle Basin **View**: North



W43-27: Date: April 3, 2007 Time: 16:58pm. Photographer: N. Woodward Description: Reeds and water in Middle Basin View: South



W43-28: Date: April 3, 2007 Time: 17:09pm. Photographer: N. Woodward Description: Reeds in Middle Basin View: West



**W43-29: Date:** April 3, 2007 **Time:** 17:32pm. **Photographer:** E. Goldstein **Description:** Inflatable boat used for lagoon monitoring, Middle Basin

View: East



W43-30: Date: April 3, 2007 Time: 17:33pm. Photographer: N. Woodward

**Description:** Bagged dead fish collected from East Basin



**W43-31: Date:** April 3, 2007 **Time:** 17:33pm. **Photographer:** N. Woodward **Description:** Dead fish collected from East Basin



**W44-1 Date:** April 4, 2007 **Time:** 7:21am. **Photographer:** A. Glassco **Description:** Foam on water, East Basin @ Jefferson Bridge **View:** Southeast



**W44-2 Date:** April 4, 2007 **Time:** 7:21am. **Photographer:** A. Glassco **Description:** Foam on water, East Basin near Jefferson Bridge **View:** North



W44-3 Date: April 4, 2007 Time: 7:21am. Photographer: A. Glassco Description: Foam on water, East Basin near Jefferson Bridge View: West



**W44-4 Date:** April 4, 2007 **Time:** 7:35am. **Photographer:** A. Glassco **Description:** Dead fish near reeds in East Basin **View:** North



**W44-5 Date:** April 4, 2007 **Time:** 7:36am. **Photographer:** A. Glassco **Description:** East Basin water **View:** South



W44-6 Date: April 4, 2007 Time: 7:36am. Photographer: A. Glassco Description: East Basin channel View: West



**W44-7 Date:** April 4, 2007 **Time:** 8:10am. **Photographer:** A. Glassco **Description:** East Basin reeds and water **View:** South



W44-8 Date: April 4, 2007 Time: 8:10am. Photographer: A. Glassco

**Description:** East Basin water and reeds **View:** North



**W44-9 Date:** April 4, 2007 **Time:** 8:18am. **Photographer:** A. Glassco **Description:** East Basin water and reeds **View:** South



W44-10 Date: April 4, 2007 Time: 8:18am. Photographer: A. Glassco

**Description:** East Basin water and reeds **View:** North



**W44-11 Date:** April 4, 2007 **Time:** 8:32am. **Photographer:** A. Glassco **Description:** D. Owen (Weston Solutions, Inc.) conducting water quality monitoring in East Basin **View:** North



**W44-12 Date:** April 4, 2007 **Time:** 8:32am. **Photographer:** A. Glassco **Description:** Water and reeds in Middle East Basin **View:** East



**W44-13 Date:** April 4, 2007 **Time:** 8:32am. **Photographer:** A. Glassco **Description:** Water and reeds in west East Basin **View:** Northeast



**W44-14 Date:** April 4, 2007 **Time:** 8:32am. **Photographer:** A. Glassco **Description:** Water and reeds in west East Basin **View:** Southeast



**W44-15 Date:** April 4, 2007 **Time:** 8:40am. **Photographer:** A. Glassco **Description:** Cloudy water in west East Basin **View:** Undetermined



W44-16 Date: April 4, 2007 Time: 9:30am. Photographer: A. Glassco Description: Aeration pump near Jefferson Street in East Basin View: Northeast



**W44-17 Date:** April 4, 2007 **Time:** 9:30am. **Photographer:** A. Glassco **Description:** East Basin waters **View:** North



**W44-18 Date:** April 4, 2007 **Time:** 9:30am. **Photographer:** A. Glassco **Description:** East Basin waters near Jefferson **View:** East



**W44-19 Date:** April 4, 2007 **Time:** 10:32am. **Photographer:** A. Glassco **Description:** Dead fish collection in East Basin **View:** North



**W44-20 Date:** April 4, 2007 **Time:** 10:33am. **Photographer:** A. Glassco **Description:** Foam on water in East Basin **View:** North



**W44-21 Date:** April 4, 2007 **Time:** 10:33am. **Photographer:** A. Glassco **Description:** Close-up view of foam on water in East Basin



**W44-22 Date:** April 4, 2007 **Time:** 12:40pm. **Photographer:** A. Glassco **Description:** Close-up view of benthic algal mats in East Basin



**W44-23 Date:** April 4, 2007 **Time:** 14:09pm. **Photographer:** A. Glassco **Description:** East Basin water **View:** South



**W44-24 Date:** April 4, 2007 **Time:** 14:24pm. **Photographer:** A. Glassco **Description:** East Basin aeration near Jefferson **View:** Southeast



W44-25 Date: April 4, 2007 Time: 14:43pm. Photographer: A. Glassco Description: Algal mats on East Basin surface water View: South



**W44-26 Date:** April 4, 2007 **Time:** 14:49pm. **Photographer:** A. Glassco **Description:** Algal mats on East Basin surface water **View:** South



W44-27 Date: April 4, 2007 Time: 14:57pm. Photographer: A. Glassco **Description:** East Basin channel **View:** Northeast



W44-28 Date: April 4, 2007 Time: 15:22pm. Photographer: A. Glassco Description: East Basin channel View: South



**W44-29 Date:** April 4, 2007 **Time:** 15:42pm. **Photographer:** A. Glassco **Description:** West end of East Basin **View:** East



W44-30 Date: April 4, 2007 Time: 7:05am. Photographer: N. Woodward Description: Middle Basin Bridge at Coast Hwy View: West



W44-31 Date: April 4, 2007 Time: 7:05am. Photographer: N. Woodward **Description:** Middle Basin near Bridge at Coast Hwy View: North



W44-32 Date: April 4, 2007 Time: 7:35am. Photographer: N. Woodward Description: Middle Basin waters View: South



W44-33 Date: April 4, 2007 Time: 8:22am. Photographer: N. Woodward Description: Middle Basin waters View: Northwest



W44-34 Date: April 4, 2007 Time: 8:45am. Photographer: N. Woodward

Description: Middle Basin waters View: Northeast



**W44-35 Date:** April 4, 2007 **Time:** 8:52am. **Photographer:** N. Woodward **Description:** Middle Basin reeds and water **View:** South



W44-36 Date: April 4, 2007 Time: 13:28pm. Photographer: N. Woodward

Description: Middle Basin reeds and water near Coast Hwy Bridge

View: Northwest



W44-37 Date: April 4, 2007 Time: 14:18pm. Photographer: N. Woodward Description: Middle Basin reeds and water View: South



**W44-38 Date:** April 4, 2007 **Time:** 14:56pm. **Photographer:** N. Woodward **Description:** Middle Basin reeds and water **View:** South



**W44S-1 Date:** April 4, 2007 **Time:** 15:55pm. **Photographer:** D. McCoy **Description:** Deployment of Eckman grab sampler for benthic sampling, East Basin



**W44S-2 Date:** April 4, 2007 **Time:** 15:55pm. **Photographer:** D. McCoy **Description:** Sediment sample from Eckman grab sampler, East Basin



W44S-3 Date: April 4, 2007 Time: 15:55pm. Photographer: D. McCoy

Description: East Basin water View: North



W44S-4 Date: April 4, 2007 Time: 15:55pm. Photographer: D. McCoy

**Description:** Aeration pump in East Basin View: North



**W44S-5 Date:** April 4, 2007 **Time:** 17:32pm. **Photographer:** D. McCoy **Description:** Homogenated West Basin sediment from Eckman grab sampler



**W45S-1 Date:** April 5, 2007 **Time:** 11:16am. **Photographer:** B. Isham **Description:** West Basin sediment in Eckman grab sampler



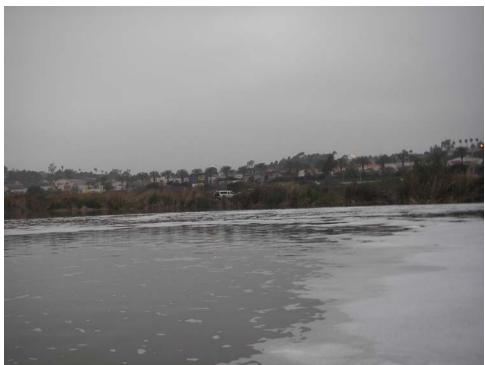
W45-1: Date: April 5, 2007 Time: 7:10am. Photographer: D. Owen Description: East Basin aeration View: East



W45-2: Date: April 5, 2007 Time: 7:25am. Photographer: D. Owen Description: Foam in East Basin at Jefferson Bridge View: East



**W45-3: Date:** April 5, 2007 **Time:** 7:25am. **Photographer:** D. Owen **Description:** Foam in East Basin south of Jefferson Bridge **View:** South



W45-4: Date: April 5, 2007 Time: 7:25am. Photographer: D. Owen

**Description:** Aeration foam in East Basin **View:** Southwest



**W45-5: Date:** April 5, 2007 **Time:** 7:42am. **Photographer:** D. Owen **Description:** Muskovy duck in East Basin **View:** Southwest



W45-6: Date: April 5, 2007 Time: 7:51am. Photographer: D. Owen Description: Surface water in East Basin View: Northwest



**W45-7: Date:** April 5, 2007 **Time:** 7:51am. **Photographer:** D. Owen **Description:** Surface water in East Basin **View:** Southwest



W45-8: Date: April 5, 2007 Time: 8:11am. Photographer: D. Owen Description: Surface water and reeds in East Basin View: West



W45-9: Date: April 5, 2007 Time: 8:11am. Photographer: D. Owen **Description:** Algal mats in East Basin along reeds



**W45-10: Date:** April 5, 2007 **Time:** 8:33am. **Photographer:** C. Hartman **Description:** East Basin water and reeds **View:** South



**W45-11: Date:** April 5, 2007 **Time:** 9:16am. **Photographer:** C. Hartman **Description:** East Basin water quality measurements using YSI **View:** East



W45-12: Date: April 5, 2007 Time: 13:48pm. Photographer: T. Wells Description: East Basin foam at Jefferson Bridge View: East



W45-13: Date: April 5, 2007 Time: 13:48pm. Photographer: T. Wells Description: East Basin foam south of Jefferson Bridge View: Northeast



W45-14: Date: April 5, 2007 Time: 13:48pm. Photographer: T. Wells Description: Recording field observations East Basin View: West



W45-15: Date: April 5, 2007 Time: 14:13pm. Photographer: T. Wells Description: East Basin algal mats View: Northwest



W45-16: Date: April 5, 2007 Time: 14:28pm. Photographer: T. Wells Description: Great Blue Heron- East Basin View: West



W45-17: Date: April 5, 2007 Time: 14:28pm. Photographer: T. Wells Description: West end of East Basin View: West



**W45-18: Date:** April 5, 2007 **Time:** 14:46pm. **Photographer:** N. Woodward **Description:** Dead fish collected from East Basin



W45-19: Date: April 5, 2007 Time: 15:34pm. Photographer: T. Wells Description: Wakes caused by fish in East Basin



W45-20: Date: April 5, 2007 Time: 6:55am. Photographer: N. Spear Description: Middle Basin water View: Southeast



**W45-21: Date:** April 5, 2007 **Time:** 6:55am. **Photographer:** N. Spear **Description:** Common tern in Middle Basin **View:** Southeast



**W45-22: Date:** April 5, 2007 **Time:** 7:54am. **Photographer:** N. Spear **Description:** Middle Basin waterline **View:** Northeast



**W45-23: Date:** April 5, 2007 **Time:** 7:54am. **Photographer:** N. Spear **Description:** Middle Basin water and reeds **View:** North



W45-24: Date: April 5, 2007 Time: 9:28am. Photographer: N. Woodward Description: Westernmost portion of Middle Basin View: West



W45-25: Date: April 5, 2007 Time: 9:28am. Photographer: N. Woodward Description: Coast highway bridge at west end of Middle Basin View: West



W45-26: Date: April 5, 2007 Time: 14:02pm. Photographer: N. Woodward Description: Great Blue Heron- Middle Basin View: Northeast



**W46-1 Date:** April 6, 2007 **Time:** 6:47am. **Photographer:** C. Hartman **Description:** Aeration at Jefferson Bridge, East Basin **View:** Northeast



**W46-2 Date:** April 6 2007 **Time:** 6:54am. **Photographer:** C. Hartman **Description:** Foam in East Basin **View:** Southeast



**W46-3 Date:** April 6, 2007 **Time:** 7:12am. **Photographer:** C. Hartman **Description:** East Basin aeration **View:** Southwest



W46-4 Date: April 6, 2007 Time: 9:02am. Photographer: C. Hartman Description: Dead fish in East Basin along reeds View: Undetermined



**W46-5 Date:** April 6, 2007 **Time:** 9:50am. **Photographer:** C. Hartman **Description:** Surface water and foam in East Basin **View:** Southeast



W46-6 Date: April 6, 2007 Time: 9:50am. Photographer: C. Hartman Description: East Basin surface water, foam, and tractor View: Southeast



**W46-7 Date:** April 6, 2007 **Time:** 9:50am. **Photographer:** C. Hartman **Description:** East Basin aerator west of Jefferson Bridge **View:** East



**W46-8 Date:** April 6, 2007 **Time:** 9:50am. **Photographer:** C. Hartman **Description:** East Basin aerator and foam **View:** Northeast



**W46-9 Date:** April 6, 2007 **Time:** 10:19am. **Photographer:** C. Hartman **Description:** Foam and dead fish east of Jefferson Bridge, East Basin

View: East



**W46-10 Date:** April 6, 2007 **Time:** 10:21am. **Photographer:** C. Hartman **Description:** East Basin foam, dead fish, and algae east of Jefferson Bridge



W46-11 Date: April 6, 2007 Time: 10:22am. Photographer: C. Hartman Description: Foam east of Jefferson Bridge, East Basin View: West



**W46-12 Date:** April 6, 2007 **Time:** 10:22am. **Photographer:** C. Hartman **Description:** Aerator in East Basin upstream from Jefferson Bridge

View: North



**W46-13 Date:** April 6, 2007 **Time:** 11:05am. **Photographer:** C. Hartman **Description:** East Basin aerator **View:** North



**W46-14 Date:** April 6, 2007 **Time:** 7:03am. **Photographer:** A. Glassco **Description:** Moscovy duck eating in Middle Basin



**W46-15 Date:** April 6, 2007 **Time:** 7:48am. **Photographer:** N. Spears **Description:** Surface water and reeds in Middle Basin



W46-16 Date: April 6, 2007 Time: 8:11am. Photographer: A. Glassco Description: Surface water in Middle Basin View: South



**W46-17 Date:** April 6, 2007 **Time:** 10:53am. **Photographer:** N. Spears **Description:** Dead California gull in the Middle Basin



W46-18 Date: April 6, 2007 Time: 11:12am. Photographer: A. Glassco

**Description:** Bird egg in the Middle Basin



**W47-1: Date:** April 7, 2007 **Time:** 6:56am. **Photographer:** D. Owen **Description:** Aeration foam, data recording East Basin **View:** East



**W47-2: Date:** April 7, 2007 **Time:** 7:35am. **Photographer:** D. Owen **Description:** Aeration hose, foam, algae along south shore of East Basin **View:** South



**W47-3: Date:** April 7, 2007 **Time:** 8:30am. **Photographer:** D. Owen **Description:** Great egrets standing in East Basin **View:** North



**W47-4: Date:** April 7, 2007 **Time:** 17:27pm. **Photographer:** T. Wells **Description:** Counting, measuring, and identifying dead fish at Weston Solutions



**W47-5: Date:** April 7, 2007 **Time:** 17:27pm. **Photographer:** T. Wells **Description:** Counting, measuring, and identifying dead fish at Weston Solutions



**W47-6: Date:** April 7, 2007 **Time:** 17:27pm. **Photographer:** T. Wells **Description:** Sorted dead goldfish



**W47-7: Date:** April 7, 2007 **Time:** 17:27pm. **Photographer:** T. Wells **Description:** Dead bird taxonomy and processing



**W47-8: Date:** April 7, 2007 **Time:** 17:28pm. **Photographer:** T. Wells **Description:** Measuring and classifying dead fish



**W47-9: Date:** April 7, 2007 **Time:** 17:28pm. **Photographer:** T. Wells **Description:** Measuring and classifying dead gadwall



**W47-10: Date:** April 7, 2007 **Time:** 17:30pm. **Photographer:** T. Wells **Description:** Processing of coolers containing dead fish and birds at Weston Solutions



**W47-11: Date:** April 7, 2007 **Time:** 7:55am. **Photographer:** C. Hartman **Description:** Dead coot, Middle Basin



**W47-12: Date:** April 7, 2007 **Time:** 8:04am. **Photographer:** C. Hartman **Description:** Middle Basin backwater and reeds **View:** East