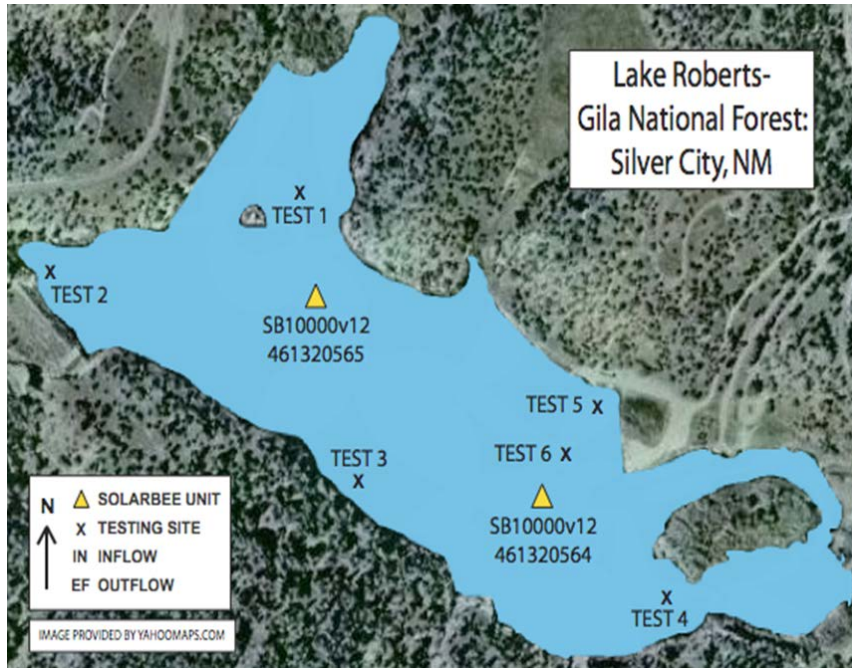


## Appendix E1 – 2010 LRMP Mon

### Most Current Reservoir System Summary & Map

**LOCATION:** Lake Roberts: Silver City, NM

**Objective:** Control blue-green algae blooms, improve dissolved oxygen levels, improve fish habitats and reduce macrophytes (aquatic weeds).



INITIAL PROJECT SUMMARY*	
FRESH WATER RESERVOIR:	Lake Roberts
DEEPEST DEPTH (feet)	30
AVERAGE DEPTH (feet)	NA
SURFACE AREA (acres)	70
ELEVATION (feet):	6,030
ATMOSPHERIC PRESSURE(mmHg):	609.25
VOLUME (million gallons)	NA
OUTFLOW, (gpd)	NA
DETENTION TIME (days)	NA
# of SB	2
CURRENT TYPE of SB	SB10000v12
INSTALL DATE	11/14/06
*SEE OTHER TABS FOR CURRENT PROJECT DATA	

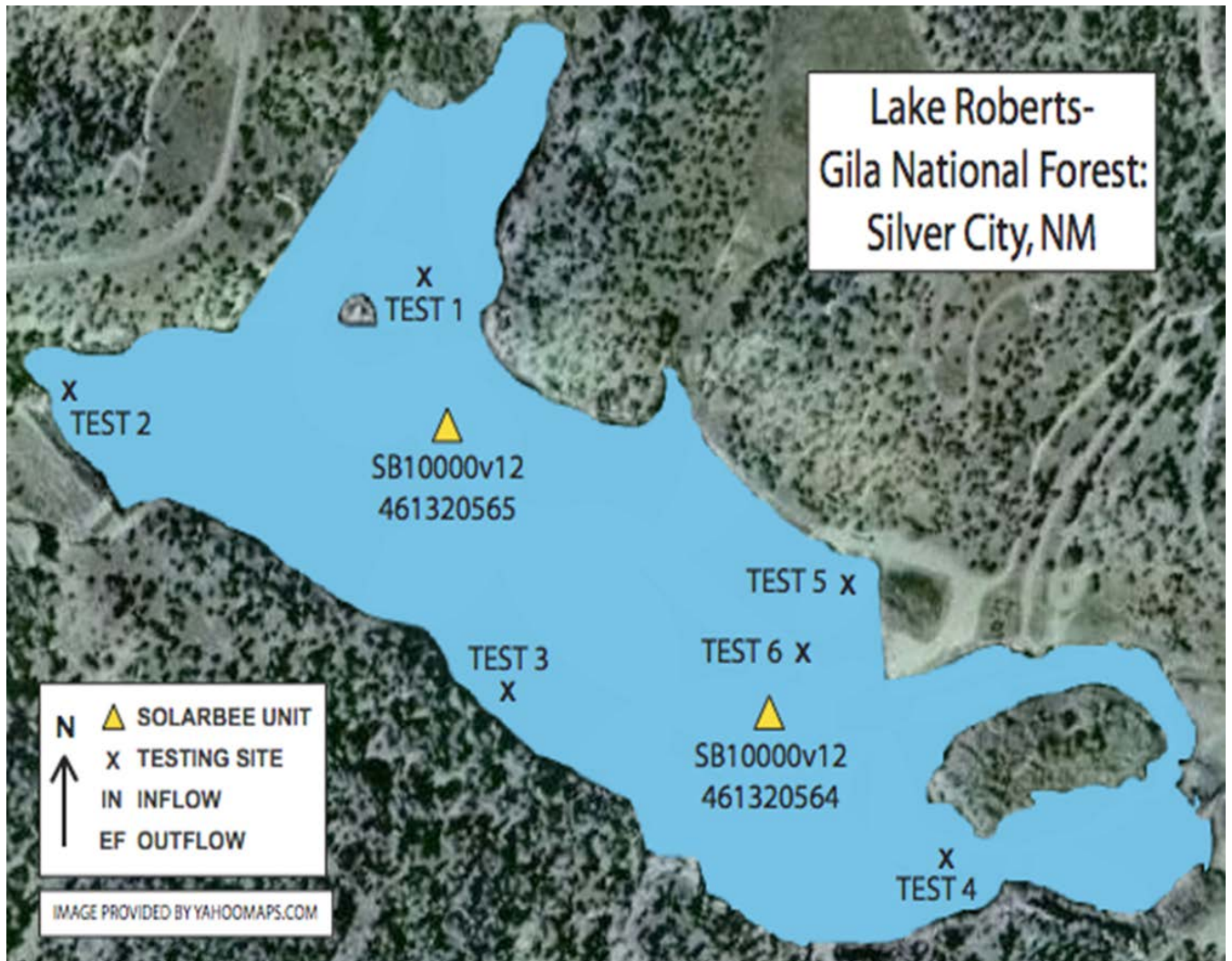
SolarBee Water Quality Testing is intended to provide general indications of water quality and slurry / sludge / sediment profiles at the time of testing. In most cases, there are not enough test points for statistical significance. Please call for help with interpreting this data. This information should not be considered a substitute for larger, more comprehensive system studies that SolarBee, Inc. and other companies can provide at additional cost.

GPS locations are recorded for all test stations and unit positions. Depending on conditions, there can be a positioning discrepancy of +/-30 feet at any given time.

DATE	SERVICE & TESTING SUMMARY
09-29-09	<p>Service: (2) SB10000v12</p> <p>Crew: Dave Summerfield / Mike Rausch</p> <p>Crew on location to check on units. Crew inspected and performed general maintenance on both units. Water quality testing was performed at designated sites. Secchi ranged from 4.33 - 6.50 ft. DO ranged from 1.45 - 7.34 mg/L, pH ranged from 7.79 - 8.16</p>
12-11-08	<p>Service: (2) SB10000v12</p> <p>Crew: Gene Repnow / Dan Fraiser</p> <p>Crew performed general maintenance on both machines. Water quality testing performed at designated sites. Secchi 2 ft. DO ranged from 8.93- 7.63 mg/L. pH ranged from 8.05- 7.77.</p>
02-06-	<p>SERVICE: (2) SB10000v12</p> <p>CREW: Dave Winegar / Jon Davidson / Tim Byrne</p> <p>Crew on location in response to customer reporting vandalized PV panel. Crew found bullet holes in one PV panel and in the controller box on SB594. Replaced PV panel on SB594. Performed general maintenance on both machines. Water quality testing performed at designated sites. DO ranged from 10.50 - 12.16 mg/L. pH ranged from 8.37 - 8.60. Secchi depth averaged 1.71 ft.</p>
11-14-	<p>INSTALLATION: (2) SB10000v12 (Serial #: 461320564, 461320565)</p> <p>SB crew performed testing at newly designated sites.</p> <p>DO ranges from 7.54-8.50(mg/L). pH ranges from 7.91-8.17</p>

## Historical Maps of Reservoir System and SolarBee Unit Layout

**LOCATION:** Lake Roberts: Silver City, NM



## Equipment Specifications & Unit History

**LOCATION: Lake Roberts: Silver City, NM**

<b>Unit Serial #:</b>	<b>461320564</b>	<b>461320565</b>
SB MACHINE:		
GENERAL LOCATION:	Southeast Unit	Northwest Unit
UNIT NAME:		
MODEL #:	SB10000v12	SB10000v12
INSTALLATION DATE:	11/14/06	11/14/06
PV MODULES:		
TYPE:	3@80W	3@80W
TILT ANGLE:	3@45	3@45
LOCATION:	On Unit	On Unit
ELECTRONIC CONTROLLER:		
TYPE:	A-Series	A-Series
MODBUS ID:	2	1
BRAINBOARD ID:	01227	01292
RUNTIME PROGRAMMING:	FW2v03	FW2v03
SCHEDULED REVERSES:	R1	R1
MOTOR:		
TYPE:	14" Brushless	14" Brushless
SERIAL #:		
FLUID INTAKE ASSEMBLY:		
TYPE:	HP-36"	HP-36"
SPECIAL FEATURES:		
TOTAL HOSE LENGTH(ft.):	10	10
HOSE SECTIONS(#/Type):	1 @ 10	1 @ 10
INTAKE HOSE ADJUSTMENT:	3 Chain System	3 Chain System
FLOAT ARM ASSEMBLY:		
TURNBUCKLE:	1"	1"
FLOATS:	ACE Standard	ACE Standard
FLOAT CABLES:	Yes	Yes
ANCHORING:		
TYPE:	Mooring Blocks	Mooring Blocks
if tethered, length of cable used (ft.):		
if shore power, length of wire used (ft.):		
ACCESSORIES:		
24 HOUR SHORE POWER KIT:		
CHEMICAL INJECTION KIT:		
SALT WATER KIT:		
MARKER KIT:	X	X
BEACON:	Amber 30	Amber 30
BIRD DETERRENT:	Spikes	Spikes
LEGS:		

Unit Serial #:	461320564	461320565
OTHER:		
<u>Unit Work Summary:</u>	<p>09-29-09: Add Bird spikes. Performed general maintenance.</p> <p>12-11-08: Sealed bullet hole in control box with lexel.</p> <p>02-08-08: Replaced PV panel.</p> <p>1-14-06: Installed unit.</p>	<p>09-29-09: Add Bird spikes. Performed general maintenance.</p> <p>12-11-08: Sealed bullet hole in control box with lexel.</p> <p>02-08-08: Replaced PV panel.</p> <p>1-14-06: Installed unit.</p>

**Location / Unit Data****LOCATION: Lake Roberts: Silver City, NM**

<b>DATE:</b>	<b>11/14/06</b>	<b>02/08/08</b>	<b>12/11/08</b>	<b>09/29/09</b>
<b>CONTACT:</b>				
FIRST CONTACT PERSON:	Jerry Monzingo	Charlie Ortiez	Charlie Ortiez	Charlie Ortiez
PHONE:	505-388-8221	575-536-2250	575-536-2250	575-536-2250
CELL:				
SECOND CONTACT PERSON:	Art Telles			
PHONE:	505-388-8201			
CELL:				
<b>CLIMATE / WEATHER:</b>				
TYPE:	Trop/ SubtropDesert	Trop/ SubtropDesert	Trop/Subtrop Desert	Trop/Subtrop Desert
CONDITIONS:	Partly Cloudy	Sunny	Sunny	Clear
WIND SPEED(mph):	15-20	2	5-10	0-2
AIR TEMPERATURE(Deg F):	NA	60	54	84
SOLAR IRRADIATION:	850	986	915	911
TIME:	10:23	9:57	15:45	10:10
<b>RESERVOIR OBSERVATIONS:</b>				
FLOATING DEBRIS:	None	Moss	Reeds & Grass	None
TYPE OF AQUATIC LIFE:	Fish	Fish Birds	Fish Ducks	Fish Birds
ALGAE, % COVERAGE	0%	0%	0%	0%
DUCKWEED, % COVERAGE	0%	0%	0%	0%
CHEMICALLY TREATED:	NA	NA	No	No
ODOR(0 to 10):	0	1	1	1
SURFACE TENSION:	7	8	9	10
OWNER MAINTENANCE EFFORT(0 to 10):	NA	2	5	2
WATER COLOR:	Clear Brown/Green	Green / Brown	Brownish Green	Green
<b>AERATION EQUIPMENT:</b>				
TYPE:	None	None	None	None
<b>SB MACHINE:</b>				
GENERAL LOCATION:	Southeast Unit	Southeast Unit	Southeast Unit	Southeast Unit
UNIT NAME:				
MODEL #:	SB10000v12	SB10000v12	SB10000v12	SB10000v12
SERIAL #:	461320564	461320564	461320564	461320564
RUNTIME PROGRAMMING:			FW2v03	FW2v03
SCHEDULED REVERSE:			R1	R1
GPS LOCATION:	33.02914 -108.15836	33.02914 -108.15836	33.02914 -108.15836	33.02914 -108.15836

<b>DATE:</b>	<b>11/14/06</b>	<b>02/08/08</b>	<b>12/11/08</b>	<b>09/29/09</b>
<b>MACHINE MONITORING DATA:</b>				
BATTERY VOLTAGE (PV's UNPLUGGED):	NA	12.3	12.2	11.7
BATTERY VOLTAGE (PV's PLUGGED IN):	NA	13.3	13.4	11.8
MOTOR CURRENT (PV's UNPLUGGED):	NA	2.78	3.22	0.71
OBSERVED RPM:	60	60	57	24
UNIT STATUS AT ARRIVAL:	NA	Healthy System	GPS Comm Error	Low Battery Voltage
UNIT STATUS AT DEPARTURE:	Healthy System	Healthy System	Healthy System	Healthy System
WAS NEW FIRMWARE UPLOADED?:	Initial Installation	No	Yes	No
DISTRIBUTION DISH ADJUSTMENT ARRIVAL(in.):	NA	2.50	2.50	2.50
DISTRIBUTION DISH ADJUSTMENT LEAVING(in.):	2.50	2.50	2.50	2.50
FLUID INTAKE PLUGGING (%):	NA	NA	0%	0%
TOP OF WEIGHT BEARING SEDIMENT(ft.):	9.83	8.50	9.00	11.08
FLUID INTAKE DEPTH ARRIVAL(ft.):	NA	9.00	6.00	5.92
FLUID INTAKE DEPTH DEPARTURE(ft.):	9.00	6.00	6.00	5.92
IMPELLER PLUGGING (%):	NA	0%	0%	0%
OTHER OBSERVATIONS:				
SECCHI DEPTH(ft.):	2.08	1.83	2.00	6.25
OTHER:				
<b>SB MACHINE:</b>				
GENERAL LOCATION:	Northwest Unit	Northwest Unit	Northwest Unit	Northwest Unit
UNIT NAME:				
MODEL #:	SB10000v12	SB10000v12	SB10000v12	SB10000v12
SERIAL #:	461320565	461320565	461320565	461320565
RUNTIME PROGRAMMING:			FW2v03	FW2v03
SCHEDULED REVERSE:			R1	R1
GPS LOCATION:	33.03089 -108.16096	33.03089 -108.16096	33.03089 -108.16096	33.03089 -108.16096
<b>MACHINE MONITORING DATA:</b>				
BATTERY VOLTAGE (PV's UNPLUGGED):	NA	12.7	12.1	11.7
BATTERY VOLTAGE (PV's PLUGGED IN):	NA	15.0	14.9	11.9

<b>DATE:</b>	<b>11/14/06</b>	<b>02/08/08</b>	<b>12/11/08</b>	<b>09/29/09</b>
MOTOR CURRENT (PV's UNPLUGGED):	NA	2.40	2.91	1.55
OBSERVED RPM:	60	60	54	48
UNIT STATUS AT ARRIVAL:	NA	Healthy System	GPS Comm Error	Low Battery Voltage
UNIT STATUS AT DEPARTURE:	Healthy System	Healthy System	Healthy System	Healthy System
WAS NEW FIRMWARE UPLOADED?:	Initial Installation	No	Yes	No
DISTRIBUTION DISH ADJUSTMENT ARRIVAL(in.):	NA	2.50	2.50	2.50
DISTRIBUTION DISH ADJUSTMENT LEAVING(in.):	2.50	2.50	2.50	2.50
FLUID INTAKE PLUGGING (%):	NA	NA	0%	0%
TOP OF WEIGHT BEARING SEDIMENT(ft.):	19.50	19.67	19.33	19.00
FLUID INTAKE DEPTH ARRIVAL(ft.):	NA	9.00	6.00	5.83
FLUID INTAKE DEPTH DEPARTURE(ft.):	9.00	6.00	6.00	5.83
IMPELLER PLUGGING (%):	NA	0%	0%	0%
OTHER OBSERVATIONS:				
SECCHI DEPTH(ft.):	2.25	1.83	2.00	6.33
OTHER:				
<b>SERVICE CREW:</b>				
TEAM NAMES:	Lanoie Wieland Bob Bauer	Dave Winegar Jon Davidson Tim Byrne	Gene Repnaw Dan Fraiser	Dave Summerfield Mike Rausch
<b>TIME ON LOCATION:</b>				
DATE:	11/13/2006	02/08/08	12/11/08	09/29/09
TIME IN / TIME OUT:	8:00 / 16:30	9:00 / 16:00	14:30 / 16:00	9:00 / 12:00
DATE:	11/14/2006		12/12/08	09/29/09
TIME IN / TIME OUT:	9:00 / 11:00		7:00 / 9:00	12:30 / 14:30
DATE:	11/14/2006			
TIME IN / TIME OUT:	16:30 / 17:30			
TOTAL HOURS ON LOCATION:	11.5	7	3.5	5



**Testing Data**

<b>DATE:</b>		<b>11/14/06</b>	<b>02/08/08</b>	<b>12/12/08</b>	<b>09/29/09</b>
<b>CLIMATE / WEATHER:</b>					
	TYPE:	Trop/ Subtrop Desert	Trop/ Subtrop Desert	Trop/ Subtrop Desert	Trop/ Subtrop Desert
	CONDITIONS:	Partly Cloudy	Sunny	Sunny	Clear
	WIND SPEED(mph):	15-20	2	0-5	0-2
	AIR TEMPERATURE (Deg F):	NA	60	20	84
<b>TESTING CREW:</b>					
	TEAM NAMES:	Lanoie Wieland Bob Bauer	Dave Winegar Jon Davidson Tim Byrne	Gene Repnov Dan Fraiser	Dave Summerfield Mike Rausch
<b>TEST POINT #1</b>					
		33.03247 -108.16137	33.03247 -108.16137	33.03247 -108.16137	33.03247 -108.16137
	START TIME:	9:05	11:44	8:06	10:03
	FINISH TIME:	9:22	12:09	8:15	10:13
<b>TEST POINT #1</b>					
	SECCHI DEPTH(ft.):	2.25	1.75	2.00	6.17
	TOP OF SLURRY(ft.):	NA	NA	NA	NA
	TOP OF WEIGHT BEARING SEDIMENT(ft.):	NA	16.25	16.00	15.17
	BOTTOM OF RESERVOIR(ft.):	16.08	NA	NA	NA
	WATER COLOR:	Clear Brown	Green Brown	Brownish Green	Green
	SLURRY COLOR:	NA	NA	NA	NA
	SEDIMENT COLOR:	NA	NA	NA	NA
<b>TEST POINT #1</b>					
	TEMPERATURE (Deg C):				
DEPTH (ft):	0	10.08	5.08	5.65	18.23
(0.30 m)	1	10.08	4.82	5.70	18.25
(0.61 m)	2	10.07	5.06	5.70	18.23
(0.91 m)	3	10.02	4.73	5.71	18.24
(1.22 m)	4	10.07	4.55	5.70	18.22
(1.52 m)	5	10.05	4.51	5.71	18.15
(1.83 m)	6	10.03	4.50	5.70	18.13
(2.13 m)	7	9.96	4.50	5.69	18.11
(2.44 m)	8	9.94	4.48	5.70	18.10

DATE:		11/14/06	02/08/08	12/12/08	09/29/09
(2.74 m)	9	9.94	4.48	5.69	18.06
(3.05 m)	10	9.92	4.46	5.69	18.00
(3.35 m)	11	9.91	4.41	5.69	17.95
(3.66 m)	12	9.89	4.41	5.69	17.93
(3.96 m)	13	9.89	4.51	5.69	17.90
(4.27 m)	14	9.86	4.55	5.69	
(4.57 m)	15	9.71	4.60	5.70	
(4.88 m)	16				
(5.18 m)	17				
(5.49 m)	18				
(5.79 m)	19				
(6.10 m)	20				
TEST POINT #1					
SPECIFIC CONDUCTANCE (mS/cm)					
DEPTH (ft):	0	0.302	0.264	0.314	0.259
(0.30 m)	1	0.303	0.264	0.314	0.259
(0.61 m)	2	0.302	0.264	0.314	0.259
(0.91 m)	3	0.302	0.264	0.314	0.259
(1.22 m)	4	0.302	0.264	0.314	0.259
(1.52 m)	5	0.302	0.264	0.314	0.259
(1.83 m)	6	0.302	0.265	0.314	0.260
(2.13 m)	7	0.302	0.264	0.314	0.260
(2.44 m)	8	0.302	0.265	0.314	0.260
(2.74 m)	9	0.302	0.265	0.314	0.260
(3.05 m)	10	0.302	0.264	0.314	0.260
(3.35 m)	11	0.302	0.265	0.314	0.260
(3.66 m)	12	0.302	0.265	0.314	0.260
(3.96 m)	13	0.302	0.265	0.314	0.262
(4.27 m)	14	0.303	0.266	0.314	
(4.57 m)	15	0.304	0.268	0.314	
(4.88 m)	16				
(5.18 m)	17				
(5.49 m)	18				
(5.79 m)	19				
(6.10 m)	20				
TEST POINT #1					
DISSOLVED OXYGEN (mg/l)					
DEPTH (ft):	0	8.30	11.95	8.82	6.92
(0.30 m)	1	8.17	11.97	8.77	6.91
(0.61 m)	2	8.13	11.90	8.75	6.92
(0.91 m)	3	8.08	11.91	8.74	6.91
(1.22 m)	4	8.06	11.89	8.73	6.90
(1.52 m)	5	8.06	11.82	8.73	6.87
(1.83 m)	6	8.03	11.78	8.73	6.83
(2.13 m)	7	7.98	11.74	8.73	6.77

DATE:		11/14/06	02/08/08	12/12/08	09/29/09
(2.44 m)	8	7.92	11.70	8.73	6.69
(2.74 m)	9	7.89	11.64	8.73	6.54
(3.05 m)	10	7.88	11.67	8.73	6.60
(3.35 m)	11	7.87	11.69	8.72	5.73
(3.66 m)	12	7.87	11.64	8.73	5.29
(3.96 m)	13	7.81	11.39	8.73	4.60
(4.27 m)	14	7.74	11.17	8.72	
(4.57 m)	15	7.54	10.91	8.71	
(4.88 m)	16				
(5.18 m)	17				
(5.49 m)	18				
(5.79 m)	19				
(6.10 m)	20				
TEST POINT #1					
pH					
DEPTH (ft):	0	8.17	8.58	7.94	8.15
(0.30 m)	1	8.14	8.57	7.94	8.16
(0.61 m)	2	8.12	8.40	7.94	8.10
(0.91 m)	3	8.11	8.57	7.94	8.16
(1.22 m)	4	8.12	8.55	7.94	8.16
(1.52 m)	5	8.10	8.55	7.94	8.16
(1.83 m)	6	8.11	8.55	7.94	8.16
(2.13 m)	7	8.10	8.54	7.94	8.15
(2.44 m)	8	8.09	8.54	7.94	8.15
(2.74 m)	9	8.09	8.54	7.94	8.13
(3.05 m)	10	8.09	8.54	7.94	8.11
(3.35 m)	11	8.09	8.54	7.93	8.08
(3.66 m)	12	8.08	8.54	7.93	8.06
(3.96 m)	13	8.08	8.52	7.94	8.00
(4.27 m)	14	8.07	8.51	7.93	
(4.57 m)	15	8.05	8.47	7.93	
(4.88 m)	16				
(5.18 m)	17				
(5.49 m)	18				
(5.79 m)	19				
(6.10 m)	20				
TEST POINT #2					
GPS LOCATION:		33.03160	33.03160	33.03160	33.03160
		-108.16464	-108.16464	-108.16464	-108.16464
START TIME:		9:27	10:57	8:20	10:24
FINISH TIME:		9:42	11:39	8:34	10:40
TEST POINT #2					
SECCHI DEPTH(ft.):		2.25	1.67	2.00	5.75
TOP OF SLURRY (ft.):		NA	NA	NA	NA
TOP OF		NA	22.75	22.00	22.00

DATE:		11/14/06	02/08/08	12/12/08	09/29/09
SEDIMENT(ft.):					
BOTTOM OF RESERVOIR(ft.):		22.08	22.75	NA	NA
WATER COLOR:		Clear Green/ Brown	Green Brown	Brownish Green	Green
SLURRY COLOR:		NA	NA	NA	NA
SEDIMENT COLOR:		NA	NA	NA	NA
<b>TEST POINT #2</b>					
TEMPERATURE (degrees C):					
DEPTH (ft):	0	10.07	5.05	5.54	18.49
(0.30 m)	1	10.09	4.92	5.55	18.42
(0.61 m)	2	10.07	4.81	5.56	18.34
(0.91 m)	3	10.05	4.72	5.57	18.21
(1.22 m)	4	10.05	4.64	5.58	18.17
(1.52 m)	5	10.05	4.59	5.57	18.15
(1.83 m)	6	10.04	4.49	5.58	18.13
(2.13 m)	7	10.05	4.46	5.58	18.11
(2.44 m)	8	10.04	4.46	5.58	18.11
(2.74 m)	9	10.03	4.45	5.59	18.05
(3.05 m)	10	10.03	4.45	5.59	17.94
(3.35 m)	11	10.03	4.43	5.59	17.91
(3.66 m)	12	10.04	4.43	5.59	17.88
(3.96 m)	13	10.03	4.41	5.58	17.85
(4.27 m)	14	10.03	4.42	5.57	17.83
(4.57 m)	15	10.02	4.42	5.58	17.79
(4.88 m)	16	10.01	4.39	5.58	17.77
(5.18 m)	17	10.01	4.37	5.57	17.69
(5.49 m)	18	9.99	4.37	5.57	17.67
(5.79 m)	19	9.97	4.37	5.52	17.65
(6.10 m)	20	9.96	4.37	5.55	17.66
(6.40 m)	21	9.95	4.37	5.48	
(6.71 m)	22		4.44		
(7.01 m)	23				
(7.32 m)	24				
(7.62 m)	25				
<b>TEST POINT #2</b>					
SPECIFIC CONDUCTANCE (mS/cm)					
DEPTH (ft):	0	0.302	0.264	0.314	0.259
(0.30 m)	1	0.302	0.265	0.314	0.259
(0.61 m)	2	0.302	0.265	0.314	0.260
(0.91 m)	3	0.302	0.265	0.314	0.259
(1.22 m)	4	0.302	0.265	0.314	0.259
(1.52 m)	5	0.302	0.265	0.314	0.259

DATE:		11/14/06	02/08/08	12/12/08	09/29/09
(1.83 m)	6	0.302	0.266	0.314	0.259
(2.13 m)	7	0.302	0.266	0.314	0.259
(2.44 m)	8	0.302	0.266	0.314	0.259
(2.74 m)	9	0.302	0.266	0.314	0.259
(3.05 m)	10	0.302	0.266	0.314	0.260
(3.35 m)	11	0.302	0.266	0.314	0.260
(3.66 m)	12	0.302	0.266	0.314	0.260
(3.96 m)	13	0.302	0.266	0.314	0.260
(4.27 m)	14	0.302	0.266	0.314	0.261
(4.57 m)	15	0.302	0.266	0.314	0.261
(4.88 m)	16	0.302	0.266	0.314	0.262
(5.18 m)	17	0.302	0.266	0.314	0.263
(5.49 m)	18	0.302	0.266	0.314	0.264
(5.79 m)	19	0.302	0.266	0.314	0.264
(6.10 m)	20	0.302	0.266	0.314	0.265
(6.40 m)	21	0.302	0.266	0.314	
(6.71 m)	22		0.266		
(7.01 m)	23				
(7.32 m)	24				
(7.62 m)	25				
<b>TEST POINT #2</b>					
DISSOLVED OXYGEN (mg/l)					
DEPTH (ft):	0	8.16	11.65	8.70	6.76
(0.30 m)	1	8.16	11.85	8.68	6.76
(0.61 m)	2	8.15	11.92	8.67	6.75
(0.91 m)	3	8.15	11.91	8.64	6.75
(1.22 m)	4	8.14	11.90	8.64	6.79
(1.52 m)	5	8.14	11.84	8.65	6.79
(1.83 m)	6	8.12	11.74	8.64	6.90
(2.13 m)	7	8.05	11.67	8.63	6.93
(2.44 m)	8	8.03	11.67	8.61	6.92
(2.74 m)	9	8.06	11.67	8.61	6.79
(3.05 m)	10	8.08	11.61	8.61	6.45
(3.35 m)	11	8.07	11.64	8.61	6.12
(3.66 m)	12	8.06	11.61	8.59	5.74
(3.96 m)	13	8.09	11.59	8.55	5.04
(4.27 m)	14	8.07	11.63	8.55	4.61
(4.57 m)	15	8.09	11.59	8.55	3.94
(4.88 m)	16	8.04	11.55	8.55	3.16
(5.18 m)	17	8.04	11.55	8.54	2.31
(5.49 m)	18	8.02	11.55	8.53	2.12
(5.79 m)	19	8.01	11.55	8.54	2.00
(6.10 m)	20	8.07	11.50	8.55	1.45
(6.40 m)	21	8.02	11.54	8.56	
(6.71 m)	22		10.50		
(7.01 m)	23				
(7.32 m)	24				

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(7.62 m) 25					
<b>TEST POINT #2</b>					
pH					
DEPTH (ft.):	0	8.11	8.60	7.94	8.08
(0.30 m)	1	8.11	8.55	7.93	8.08
(0.61 m)	2	8.11	8.55	7.93	8.09
(0.91 m)	3	8.10	8.54	7.93	8.09
(1.22 m)	4	8.10	8.55	7.93	8.09
(1.52 m)	5	8.11	8.55	7.93	8.09
(1.83 m)	6	8.10	8.56	7.93	8.10
(2.13 m)	7	8.10	8.56	7.93	8.09
(2.44 m)	8	8.09	8.56	7.93	8.11
(2.74 m)	9	8.10	8.56	7.92	8.10
(3.05 m)	10	8.09	8.57	7.92	8.08
(3.35 m)	11	8.09	8.57	7.92	8.06
(3.66 m)	12	8.10	8.57	7.92	8.03
(3.96 m)	13	8.10	8.56	7.92	7.99
(4.27 m)	14	8.09	8.56	7.91	7.97
(4.57 m)	15	8.09	8.55	7.92	7.93
(4.88 m)	16	8.09	8.55	7.91	7.88
(5.18 m)	17	8.09	8.55	7.92	7.84
(5.49 m)	18	8.09	8.55	7.92	7.82
(5.79 m)	19	8.09	8.54	7.92	7.81
(6.10 m)	20	8.08	8.53	7.92	7.79
(6.40 m)	21	8.09	8.54	7.92	
(6.71 m)	22		8.47		
(7.01 m)	23				
(7.32 m)	24				
(7.62 m)	25				
<b>TEST POINT #3</b>					
GPS LOCATION:		33.02943	33.02943	33.02943	33.02943
		-108.1608	-108.1608	-108.1608	-108.1608
START TIME:		9:58	12:15	7:49	10:45
FINISH TIME:		10:13	12:50	8:02	11:03
<b>TEST POINT #3</b>					
SECCHI DEPTH(ft.):		2.83	1.75	2.00	6.50
TOP OF SLURRY (ft.):		NA	NA	NA	NA
TOP OF SEDIMENT(ft.):		NA	18.25	18.17	19.08
BOTTOM OF RESERVOIR(ft.):		19.00	NA	Na	NA
WATER COLOR:		Clear Brown/ Green	Green / Brown	Brownish Green	Green
SLURRY COLOR:		NA	NA	NA	NA

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SEDIMENT COLOR:		NA	NA	NA	NA
TEST POINT #3					
TEMPERATURE (degrees C):					
DEPTH (ft):	0	9.94	5.17	5.60	18.53
(0.30 m)	1	9.95	5.18	5.61	18.48
(0.61 m)	2	9.93	5.03	5.64	18.49
(0.91 m)	3	9.94	4.99	5.64	18.35
(1.22 m)	4	9.93	4.96	5.65	18.23
(1.52 m)	5	9.91	5.00	5.65	18.18
(1.83 m)	6	9.91	4.94	5.65	18.15
(2.13 m)	7	9.91	4.89	5.65	18.07
(2.44 m)	8	9.90	4.93	5.66	18.00
(2.74 m)	9	9.91	4.91	5.67	17.95
(3.05 m)	10	9.93	4.90	5.68	17.91
(3.35 m)	11	9.91	4.92	5.68	17.90
(3.66 m)	12	9.88	4.91	5.67	17.86
(3.96 m)	13	9.88	4.91	5.66	17.83
(4.27 m)	14	9.88	4.87	5.67	17.78
(4.57 m)	15	9.88	4.90	5.67	17.75
(4.88 m)	16	9.90	4.83	5.66	17.68
(5.18 m)	17	9.88	4.83	5.66	17.60
(5.49 m)	18	9.88			
(5.79 m)	19				
(6.10 m)	20				
TEST POINT #3					
SPECIFIC CONDUCTANCE (mS/cm)					
DEPTH (ft):	0	0.303	0.265	0.315	0.259
(0.30 m)	1	0.303	0.265	0.314	0.259
(0.61 m)	2	0.303	0.265	0.314	0.259
(0.91 m)	3	0.303	0.266	0.314	0.259
(1.22 m)	4	0.303	0.266	0.314	0.259
(1.52 m)	5	0.303	0.266	0.314	0.259
(1.83 m)	6	0.303	0.266	0.314	0.259
(2.13 m)	7	0.303	0.266	0.314	0.259
(2.44 m)	8	0.303	0.266	0.314	0.260
(2.74 m)	9	0.303	0.266	0.314	0.260
(3.05 m)	10	0.303	0.267	0.314	0.260
(3.35 m)	11	0.303	0.266	0.314	0.260
(3.66 m)	12	0.303	0.267	0.314	0.260
(3.96 m)	13	0.303	0.206	0.314	0.260
(4.27 m)	14	0.303	0.267	0.314	0.260
(4.57 m)	15	0.303	0.267	0.314	0.261
(4.88 m)	16	0.303	0.267	0.314	0.263

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(5.18 m)	17	0.303	0.268	0.314	0.263
(5.49 m)	18	0.303			
(5.79 m)	19				
(6.10 m)	20				
<b>TEST POINT #3</b>					
DISSOLVED OXYGEN (mg/l)					
DEPTH (ft):	0	8.30	11.65	8.56	7.01
(0.30 m)	1	8.29	11.73	8.51	7.02
(0.61 m)	2	8.29	11.74	8.49	7.02
(0.91 m)	3	8.27	11.72	8.48	7.01
(1.22 m)	4	8.28	11.73	8.47	6.99
(1.52 m)	5	8.27	11.72	8.45	6.95
(1.83 m)	6	8.26	11.70	8.45	6.94
(2.13 m)	7	8.25	11.72	8.46	6.70
(2.44 m)	8	8.25	11.64	8.45	6.51
(2.74 m)	9	8.25	11.69	8.44	6.53
(3.05 m)	10	8.25	11.67	8.42	6.55
(3.35 m)	11	8.24	11.66	8.43	6.58
(3.66 m)	12	8.21	11.67	8.43	6.59
(3.96 m)	13	8.22	11.65	8.41	6.56
(4.27 m)	14	8.21	11.60	8.40	6.51
(4.57 m)	15	8.22	11.63	8.40	6.07
(4.88 m)	16	8.22	11.54	8.38	4.90
(5.18 m)	17	8.20	11.45	8.38	6.12
(5.49 m)	18	8.21			
(5.79 m)	19				
(6.10 m)	20				
<b>TEST POINT #3</b>					
pH					
DEPTH (ft):	0	8.12	8.57	7.91	8.08
(0.30 m)	1	8.12	8.56	7.92	8.08
(0.61 m)	2	8.11	8.54	7.92	8.09
(0.91 m)	3	8.12	8.55	7.91	8.09
(1.22 m)	4	8.11	8.54	7.92	8.11
(1.52 m)	5	8.12	8.54	7.90	8.10
(1.83 m)	6	8.12	8.52	7.91	8.11
(2.13 m)	7	8.11	8.52	7.91	8.09
(2.44 m)	8	8.12	8.51	7.91	8.08
(2.74 m)	9	8.11	8.51	7.91	8.07
(3.05 m)	10	8.11	8.51	7.91	8.07
(3.35 m)	11	8.11	8.51	7.90	8.07
(3.66 m)	12	8.11	8.51	7.90	8.07
(3.96 m)	13	8.11	8.51	7.91	8.06
(4.27 m)	14	8.11	8.50	7.90	8.05
(4.57 m)	15	8.10	8.50	7.91	8.02
(4.88 m)	16	8.10	8.49	7.91	7.95
(5.18 m)	17	8.10	8.48	7.90	7.98



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(5.49 m)	18	8.10			
(5.79 m)	19				
(6.10 m)	20				
<b>TEST POINT #4</b>					
GPS LOCATION:		33.02818	33.02818	33.02818	33.02818
		-108.15639	-108.15639	-108.15639	-108.15639
START TIME:		10:38	13:29	8:38	11:24
FINISH TIME:		10:45	13:45	7:43	11:30
<b>TEST POINT #4</b>					
SECCHI DEPTH(ft.):		2.25	1.67	2.00	4.33
TOP OF SLURRY (ft.):		NA	NA	4.50	NA
TOP OF SEDIMENT(ft.):		NA	6.50	5.00	4.92
BOTTOM OF RESERVOIR(ft.):		6.17	NA	6.00	6.83
WATER COLOR:		Clear Brown/Green	Green / Brown	Brownish Green	Green
SLURRY COLOR:		NA	NA	Brown	NA
SEDIMENT COLOR:		NA	NA	Brown	Brown
<b>TEST POINT #4</b>					
TEMPERATURE (degrees C):					
DEPTH (ft):	0	9.81	7.24	6.01	18.43
(0.30 m)	1	9.82	7.26	6.10	18.30
(0.61 m)	2	9.83	7.01	6.16	18.16
(0.91 m)	3	9.85	6.09	6.19	17.88
(1.22 m)	4	9.81	5.94	6.20	
(1.52 m)	5	9.77	5.86		
(1.83 m)	6				
(2.13 m)	7				
(2.44 m)	8				
<b>TEST POINT #4</b>					
SPECIFIC CONDUCTANCE (mS/cm)					
DEPTH (ft):	0	0.311	0.280	0.313	0.261
(0.30 m)	1	0.311	0.280	0.315	0.260
(0.61 m)	2	0.310	0.279	0.316	0.260
(0.91 m)	3	0.309	0.271	0.316	0.261
(1.22 m)	4	0.310	0.270	0.316	
(1.52 m)	5	0.314	0.271		
(1.83 m)	6		0.271		
(2.13 m)	7				
(2.44 m)	8				

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<b>TEST POINT #4</b>					
DISSOLVED OXYGEN (mg/l)					
DEPTH (ft):	0	7.91	10.91	8.35	6.97
(0.30 m)	1	7.93	10.83	7.90	7.30
(0.61 m)	2	7.94	10.92	7.71	7.10
(0.91 m)	3	7.99	11.58	7.65	7.25
(1.22 m)	4	7.96	11.67	7.63	
(1.52 m)	5	7.92	11.72		
(1.83 m)	6		11.76		
(2.13 m)	7				
(2.44 m)	8				
<b>TEST POINT #4</b>					
pH					
DEPTH (ft):	0	7.93	8.39	7.85	8.11
(0.30 m)	1	7.92	8.37	7.82	8.11
(0.61 m)	2	7.93	8.37	7.79	8.12
(0.91 m)	3	7.94	8.42	7.78	8.11
(1.22 m)	4	7.94	8.46	7.77	
(1.52 m)	5	7.91	8.48		
(1.83 m)	6		8.49		
(2.13 m)	7				
(2.44 m)	8				
<b>TEST POINT #5</b>					
GPS LOCATION:		33.03014 -108.15744	33.03014 -108.15744	33.03014 -108.15744	33.03014 -108.15744
START TIME:		10:47	13:11	7:14	11:06
FINISH TIME:		10:55	13:25	7:19	11:12
<b>TEST POINT #5</b>					
SECCHI DEPTH(ft.):		2.08	1.67	2.00	5.50
TOP OF SLURRY (ft.):		NA	NA	5.00	NA
TOP OF SEDIMENT(ft.):		NA	5.92	5.00	5.00
BOTTOM OF RESERVOIR(ft.):		5.33	NA	5.66	5.50
WATER COLOR:		Brown/Green	Green / Brown	Brownish Green	Green
SLURRY COLOR:		NA	NA	Brown	Brown
SEDIMENT COLOR:		NA	NA	Brown	Brown
<b>TEST POINT #5</b>					
TEMPERATURE (degrees C):					
DEPTH (ft):	0	10.18	5.67	5.49	18.32
(0.30 m)	1	10.19	5.68	5.53	18.40
(0.61 m)	2	10.21	5.60	5.55	18.08

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(0.91 m)	3	10.18	5.48	5.60	17.91
(1.22 m)	4	10.18	5.37	5.55	
(1.52 m)	5		5.35		
(1.83 m)	6				
(2.13 m)	7				
(2.44 m)	8				
<b>TEST POINT #5</b>					
SPECIFIC CONDUCTANCE (mS/cm)					
DEPTH (ft):	0	0.302	0.265	0.317	0.261
(0.30 m)	1	0.302	0.265	0.316	0.262
(0.61 m)	2	0.302	0.265	0.316	0.262
(0.91 m)	3	0.302	0.265	0.316	0.262
(1.22 m)	4	0.302	0.265	0.316	
(1.52 m)	5		0.265		
(1.83 m)	6				
(2.13 m)	7				
(2.44 m)	8				
<b>TEST POINT #5</b>					
DISSOLVED OXYGEN (mg/l)					
DEPTH (ft):	0	8.43	12.06	8.93	5.92
(0.30 m)	1	8.39	12.07	8.63	5.89
(0.61 m)	2	8.36	12.09	8.50	5.90
(0.91 m)	3	8.35	12.12	8.42	5.88
(1.22 m)	4	8.39	12.19	8.47	
(1.52 m)	5		12.16		
(1.83 m)	6				
(2.13 m)	7				
(2.44 m)	8				
<b>TEST POINT #5</b>					
pH					
DEPTH (ft):	0	8.12	8.58	8.05	7.99
(0.30 m)	1	8.13	8.59	8.05	7.99
(0.61 m)	2	8.13	8.58	8.03	7.99
(0.91 m)	3	8.13	8.58	8.01	7.97
(1.22 m)	4	8.14	8.59	8.01	
(1.52 m)	5		8.59		
(1.83 m)	6				
(2.13 m)	7				
(2.44 m)	8				
<b>TEST POINT #6</b>					
GPS LOCATION:		33.02962 -108.15781	33.02962 -108.15781	33.02962 -108.15781	33.02962 -108.15781
START TIME:		10:58	12:56	7:26	11:14
FINISH TIME:		11:05	13:09	7:32	11:20

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<b>TEST POINT #6</b>					
SECCHI DEPTH(ft.):		2.08	1.75	2.00	4.17
TOP OF SLURRY (ft.):		NA	6.58	6.66	NA
TOP OF SEDIMENT(ft.):		NA	6.92	6.66	6.00
BOTTOM OF RESERVOIR(ft.):		6.67	7.50	7.00	6.75
WATER COLOR:		Light Brown	Green	Brownish Green	Green
SLURRY COLOR:		NA	Brown	Brown	NA
SEDIMENT COLOR:		NA	Brown	Brown	Brown
<b>TEST POINT #6</b>					
TEMPERATURE (degrees C):					
DEPTH (ft):	0	10.17	5.50	5.46	18.50
(0.30 m)	1	10.17	5.49	5.60	18.31
(0.61 m)	2	10.17	5.47	5.61	18.32
(0.91 m)	3	10.17	5.36	5.67	17.81
(1.22 m)	4	10.18	5.34	5.69	17.61
(1.52 m)	5	10.18	5.28	5.69	
(1.83 m)	6	10.18	5.13		
(2.13 m)	7				
(2.44 m)	8				
<b>TEST POINT #6</b>					
SPECIFIC CONDUCTANCE (mS/cm)					
DEPTH (ft):	0	0.302	0.265	0.315	0.262
(0.30 m)	1	0.302	0.265	0.315	0.262
(0.61 m)	2	0.302	0.265	0.315	0.261
(0.91 m)	3	0.302	0.265	0.315	0.266
(1.22 m)	4	0.302	0.265	0.315	0.267
(1.52 m)	5	0.302	0.265	0.315	
(1.83 m)	6	0.302	0.267	0.315	
(2.13 m)	7				
(2.44 m)	8				
<b>TEST POINT #6</b>					
DISSOLVED OXYGEN (mg/l)					
DEPTH (ft):	0	8.50	12.00	8.89	6.01
(0.30 m)	1	8.30	12.00	8.49	6.10
(0.61 m)	2	8.24	12.03	8.31	6.18
(0.91 m)	3	8.22	12.01	8.28	7.06
(1.22 m)	4	8.22	12.03	8.29	7.34
(1.52 m)	5	8.22	12.01	8.27	

DATE:		11/14/06	02/08/08	12/12/08	09/29/09
(1.83 m)	6	8.23	11.85	8.27	
(2.13 m)	7				
(2.44 m)	8				
TEST POINT #6					
pH					
DEPTH (ft):	0	8.12	8.55	7.98	7.99
(0.30 m)	1	8.12	8.56	7.97	8.00
(0.61 m)	2	8.11	8.57	7.96	8.01
(0.91 m)	3	8.11	8.56	7.93	8.02
(1.22 m)	4	8.11	8.56	7.93	8.02
(1.52 m)	5	8.11	8.57	7.92	
(1.83 m)	6	8.11	8.55	7.92	
(2.13 m)	7				
(2.44 m)	8				
TEST POINT #7					
TEST POINT #8					