ATTACHMENT F

FIELD LOGS – CONSTANT-RATE PUMPING TEST

DAILY FIELD REPORT

Job. No. 131558

PROJECT: DOYLE DRIVE REPLACEMENT PROJECT

Page 1 of

Report sequence No.

LOCATION: SAN FRANCISCO, CALIFORNIA

Date 11-18-08 | Day of Week Tuesday

PUMPING SUBCONTRACTOR: GREGG DRILLING

Job Engineer | HRS Charged

ARUP REPRESENTATIVE(S): Allie Srebro / Terrence Carroll

Assistants | HRS Charged

WEATHER: 7:00 AM - Cool, hazy, ~50° F

Time	Description of Activities
6:00	Allie Srebro and Terrence Carroll left Berkeley
6:45	Allie and Terrence arrived on-site. Bill Scott from Baseline already present
7:00	Allie instructed Mike Stephens from Traffic Management to set up the areas coned off in front of Dance Studio and on Gorgas Ave. along Doyle Drive. Terrence began setting up standpipes and transducers.
~~8~~ 7:35	Traffic Management finished set up, left extra cones and left the site
7:55	Frank Gregoras of ARUP arrived on-site.
8:05	Far West Sanitation arrived on-site w/ portable toilet.
9:00	Continuing setting up monitoring wells
9:15	Gregg Drilling arrives on-site with pump.
10:00	Gregg not set up yet so all transducers are changed to an 11:00 AM start time.
11:35	All transducers were reset and all intial readings taken. The pump was set up and started at 11:01 with a 30 sec. transition after that. Since starting the rate has been fairly constant at 21 gal/min.
12:00	Gregg Drilling left the site and discharge started at approximately 11:50

ARUP

DAILY FIELD REPORT

Job. No. 131558	
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Report sequence No.	
Date 11-18-08	Day of Week Tuesday
Job Engineer	HRS Charged
Assistants	HRS Charged

Time	Description of Activities
12:40	Redgy Ramirez from Baseline arrived on-site.
1:15	Bill went to read several wells to monitor the effects of pumping as well as tidal influences.
1:30	Frank and Terrence left site.
1:45	Colin Tully with ARUP arrived on-site.
2:30	Bill and Allie left site.

ARUP

DAILY FIELD REPORT

PROJECT: DOYLE DRIVE REPLACEMENT PROJECT	Job. No. 131558	
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LOCATION: SAN FRANCISCO, CALIFORNIA	Report sequence No.	
PUMPING SUBCONTRACTOR: GREGG DRILLING	Date 11/18/08	Day of Week Tuesday
ARUP REPRESENTATIVE(S): Colm Tully	Job Engineer	HRS Charged
WEATHER: Cold ~50°	Assistants	HRS Charged

Time	Description of Activities
2.00	Bill Scott & Allie Saebro changed shifts with Redgy Ramirez (Baseline) & Colm Tully
2.30	Returned to van after walking around the site with Bill Allie & Redgy
3.30	Woman from Building next to main pump complained about flooding within building.
3.50	Maintenance Guy inquired if we were affecting the flooding within the Building.
4.00	Redgy & Colm left van to do first round of testing
5.45	Redgy spoke with Bill about progress and told him about the flooding issue.
6.30	Redgy & Colm returned to van.
	Note - Most wells were consistant with expected readings apart from unusual readings from some shallow wells.
	- DSB-RMB-PZ-S & RW17-AEB-PZ-S.
	Note - The four important wells were at similar level to measure taken this morning.
7.00	Redgy checked filter & confirmed that discharge rate remains constant at approx 20.11 gallons/minute.
8.00	Left Van to do second round of testing

ARUP

DAILY FIELD REPORT

PROJECT: DOYLE DRIVE REPLACEMENT PROJECT	Job. No. 131558	
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LOCATION: SAN FRANCISCO, CALIFORNIA	Report sequence No.	
PUMPING SUBCONTRACTOR: GREGG DRILLING	Date 11/18/08	Day of Week Tuesday
ARUP REPRESENTATIVE(S): Colm Tully	Job Engineer	HRS Charged
WEATHER:	Assistants	HRS Charged

Time	Description of Activities
8.05	We inspected the tidal gague and noticed movement between 6" & 18".
9.10	Man complained about the height of the hose protection ramp after he crossed over it in his car. He requested a business card.
9.20	Completed second round of testing. No major fluctuations in levels compared with first round of testing.
9.40	Walked around site with Patrick and Adam
10.50	Changed shift.

ARUP

DAILY FIELD REPORT

PROJECT: DOYLE DRIVE REPLACEMENT PROJECT	Job. No. 131558	
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LOCATION: SAN FRANCISCO, CALIFORNIA	Report sequence No.	
DRILLING SUBCONTRACTOR: Gregg Drilling	Date 11/18/08	Day of Week Tuesday
ARUP REPRESENTATIVE(S): Adam Finkin	Job Engineer	HRS Charged
WEATHER: ~~11:00pm~~ 23:00 - Cool, Fog. ~50°F	Assistants	HRS Charged

Time	Description of Activities
9:30pm	Adam Finkin arrive to site
9:40pm	Walk site with Colm Tully and Redgy
10:15pm	Colm & Redgy give Adam & Patrick a tour of site
	- Drove to each well - Discussed how to take measurements
11:05pm	Colm & Redgy leave site
12:00am	Adam & Patrick ~~began~~ begin first round of measurements
2:00am	Adam & Patrick return from measurements
	No problems encountered. We had to go back to open well
	231GW11 with wrench.
	Solinst water level meter was used on all wells except for
	DSB-RW13-PZ-S and RW19-A1-P2-D where Slope Indicator
	was used.
2:20am	Solinst Levelogger appeared to stop taking real-time measurements
	at 10:57pm 11/18. We restarted at 2:20 am 11/19 and levels
	seemed to be OK.
2:43am	Discharge rate out of holding tank is 14-15 gal/min
	We are going to shut off discharge and change filter
4:00am	Discharge rate has increased to 17 gal/min after changing
	of filter bag.

ARUP

DAILY FIELD REPORT

Job. No. 131558	
Page 2	of 2
Report sequence No.	
Date 11/18/08	Day of Week Wed
Job Engineer	HRS Charged
Assistants	HRS Charged

Time	Description of Activities
	Adam Finkin
4:10am	Adam & Patrick head out on round two of water level readings
5:00am	Adam & Patrick return from ~~the~~ water level readings - No problems - Discharge rate is now 16 Gal/min
5:50am	Bill Scott from Baseline showed up
6:00am	Adam & Patrick leave site

ARUP

DAILY FIELD REPORT

Job. No. 131558

PROJECT: DOYLE DRIVE REPLACEMENT PROJECT | Page 1 of 2

LOCATION: SAN FRANCISCO, CALIFORNIA | Report sequence No.

PUMPING SUBCONTRACTOR: GREGG DRILLING | Date 11-19-08 | Day of Week Wednesday

ARUP REPRESENTATIVE(S): Allie Srebro | Job Engineer | HRS Charged

WEATHER: 9:00 AM - Chilly, overcast, ~55°F | Assistants | HRS Charged

Time	Description of Activities
6:00	Allie Srebro arrives on-site. Bill Scott of Baseline already present.
7:15	Bill noticed surveyors on-site.
7:30	Bill moved the trailer so the surveyors could work. They said they will be back on Friday
8:00	Allie and Bill began first round of well readings
9:00	Allie and Bill finish first round of well readings
10:00	Bill continued to organize paperwork
11:00	Dave stopped by.
11:30	Allie and Bill began second round of well readings as well as downloading data from transducers.
11:45	Bill discovered Barologger had fallen into well where it had been.
12:10	Bill retrieved Barologger using hook - Bill also started another at 12:00. [Barologger Reading: 2.98261 @ 12:20]
13:15	Bill and Allie went to check tidal station at Building 991: Gulf of the Farallones Nat'l Marine Sanctuary Admin. Offices and Pier. The logger appears to go dry at very low tides.

ARUP

DAILY FIELD REPORT

Job. No. 131558	
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Report sequence No.	
Date 11-19-08	Day of Week Wednesday
Job Engineer	HRS Charged
Assistants	HRS Charged

Time	Description of Activities
13:30	Redgy at work site when Allie and Bill returned from downloading data and taking water level readings
13:55	Colm Tully (ARUP) arrived on-site.
14:00	Allie and Bill left the site.

ARUP

DAILY FIELD REPORT

PROJECT: DOYLE DRIVE REPLACEMENT PROJECT	Job. No. 131558	
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LOCATION: SAN FRANCISCO, CALIFORNIA	Report sequence No.	
PUMPING SUBCONTRACTOR: GREGG DRILLING	Date 11/19/08	Day of Week Wednesday
ARUP REPRESENTATIVE(S): Colm Tully	Job Engineer	HRS Charged
WEATHER:	Assistants	HRS Charged

Time	Description of Activities
13.50	Arrived on-site - Redgy already present.
14.00	Changed shifts with Ailli + Bill.
16.00	Went to do first round of testing
17.00	Returned to Base — No issues to report
17.10	Discharge Rate - 17.5 Gallons / minute
18.00	Redgy noticed pump rate had dropped to 20.3 G/min
	Checked pipe for kinks and then increased rate
	manually.
20.00	Went to do second reading — No issues again
20.45	Flow rate droped to 20.3 G/min.
	Discharge rate was 15 G/min
22.00	Changed shifts with Patrick + Adam.

ARUP

DAILY FIELD REPORT

Job. No. 131558	
PROJECT: DOYLE DRIVE REPLACEMENT PROJECT	Page 1 of 1
LOCATION: SAN FRANCISCO, CALIFORNIA	Report sequence No.
DRILLING SUBCONTRACTOR:	Date 11/20/08 Day of Week Thur
ARUP REPRESENTATIVE(S): Adam Finkin	Job Engineer HRS Charged
WEATHER: 00:30 Cool, Fog, ~50°F	Assistants HRS Charged

Time	Description of Activities
00:20	Adam and Patrick head out for first round of water
	level readings
1:25	Adam & Patrick return from first round of measurements with
	no problems
2:25	The pump began to drawn at 19.66 Gal/min
	Patrick opened pump up to [redacted] rate = 20.15 Gal/min
3:20	Pump rate [redacted] = 19.81 Gal/min
	Adjust [redacted] pump rate = 20.65 Gal/min
4:20	Patrick and Adam head out for second round of measurements
5:03	Patrick and Adam return from second round of measurements
	Pump rate = 20.02 Gal/min
	Discharge rate = 16.61
	Discharge rate [redacted] Adjusted to = 19.24
5:50	Bill Scott arrived at site
	-Shift change

ARUP

DAILY FIELD REPORT

Job. No. 131558

PROJECT: DOYLE DRIVE REPLACEMENT PROJECT

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Report sequence No.

LOCATION: SAN FRANCISCO, CALIFORNIA

PUMPING SUBCONTRACTOR: GREGG DRILLING

Date 11-20-08 | Day of Week Thursday

ARUP REPRESENTATIVE(S): Allie Srebro

Job Engineer | HRS Charged

WEATHER: 8:00 AM - Cloudy, foggy, misty rain, ~50°F
12:00 PM - Partly sunny, ~62°F

Assistants | HRS Charged

Time	Description of Activities
6:00	Allie Srebro (ARUP) arrived on-site. Bill Scott (Baseline) already present.
7:00	Pump flow rate was at 19.54 gpm and Bill adjusted it to 21.15 gpm. Discharge rate was at 19.10 gpm.
8:30	Bill and Allie started first round of well readings
9:30	First round of readings was finished
11:30	Bill continues to monitor pump flow rate. The rate is not holding steady and will slowly drop if left on its own so Bill has been adjusting it up approximately every hour.
12:00	Bill and Allie started second round of well readings.
12:30	Second round of readings was finished
13:30	Redgy (Baseline) arrived on-site.
13:50	Colm Tully (ARUP) arrived on-site.
14:00	Allie and Bill leave the site.

ARUP

DAILY FIELD REPORT

Job. No. 131558

PROJECT: DOYLE DRIVE REPLACEMENT PROJECT

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Report sequence No.

LOCATION: SAN FRANCISCO, CALIFORNIA

Date 11/20/08 | Day of Week Thurs.

PUMPING SUBCONTRACTOR: GREGG DRILLING

Job Engineer | HRS Charged

ARUP REPRESENTATIVE(S): Colm Tully

Assistants | HRS Charged

WEATHER:

Time	14.00 Sunny 70° 18.00 Mild 50° **Description of Activities**
14.00	Redgy (Baseline) & Colm changed shifts with Bill (Baseline) & Allie
16.05	Left to do first round of testing.
16.50	Returned – No issues.
18.00	Redgy has been checking the pump & discharge flow rates on an hourly basis. Pump rate has remained constant at 21 GPM despite some fluctuations earlier in the day. Discharge rate is approx. 15.5 GPM
20.00	Left to do the second round of testing.
8.30	Returned – No issues
8.50	Checked flow rate – SAME – 21 GPM.
22.00	PATRICK ARRIVED ON SITE.

ARUP

DAILY FIELD REPORT

Job. No. 131558

PROJECT: DOYLE DRIVE REPLACEMENT PROJECT

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Report sequence No.

LOCATION: SAN FRANCISCO, CALIFORNIA

DRILLING SUBCONTRACTOR:

Date 11/21/08 | Day of Week

Job Engineer | HRS Charged

ARUP REPRESENTATIVE(S): Adam Finkh

Assistants | HRS Charged

WEATHER: 00:24 Clear, Cold, ~40°F

Time	Description of Activities
00:24	Adam and Patrick head out for first round of measurements
1:15	Adam and Patrick return from first round of measurements
	- checked 24 wells
4:15	Adam at Patrick head out for second round of measurements
5:00	" " return " " "
	- Pump rate = 20.75 Gal/min
	Discharge rate = 16.61 Gal/min
	checked 18 wells
5:45	Bill Scott arrives
	- Shift Change

ARUP

DAILY FIELD REPORT

Job. No. 131558	
PROJECT: DOYLE DRIVE REPLACEMENT PROJECT	Page 1 of 2
LOCATION: SAN FRANCISCO, CALIFORNIA	Report sequence No.
PUMPING SUBCONTRACTOR: GREGG DRILLING	Date 11-21-08 / Day of Week Friday
ARUP REPRESENTATIVE(S): Allie Srebro	Job Engineer / HRS Charged
WEATHER: 8:00AM - Cold, damp, sunny, ~45°F	Assistants / HRS Charged

Time	Description of Activities
6:00	Allie Srebro arrived on-site (ARUP). Bill Scott (Baseline) was already present.
7:45	The surveyors begin making measurements in the area around PW-1A. Bill moved the RV so they could work. Also, FarWEST Sanitation arrived to remove portable toilet. They were gone within 10 minutes.
8:30	Bill and Allie depart for first round of well readings.
9:15	First round of readings are done with no problems encountered.
9:50	Frank Gregorius, Terrence Carroll, and Colm Tully (ARUP) arrive on-site.
10:03	Pumping was stopped
10:10	Another round of readings on the non-transducer wells was begun.
10:40	Jen (Presidio) stopped by.
10:50	Ed (Caltrans) stopped by and Terrence and Colm finished round of testing with no problems.

ARUP

DAILY FIELD REPORT

Job. No. 131558

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Report sequence No.

Date 11-21-08 | Day of Week Friday

Job Engineer | HRS Charged

Assistants | HRS Charged

Time	Description of Activities
12:00	Second round of well readings after pumping stopped was started. Also, all transducers were disassembled and the data was downloaded.
13:30	All wells have been closed.
14:25	One pipe wrench, One 220 plug, power box and cord, cones, posts, hoses (7), 12 hose ramp panels plus connectors were left surrounded by fencing to be picked up at a later date by Gregg. Also, one 55 gallon drum and submersible pump.
18:35	Everyone left the site.

ARUP

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: ~~1065-P2-4A~~ 1065-P2-4A **Transducer ID:** 1065-P2-4A **Date:** 11/18/2008

TOC Elevation (rim): 14.19 * ~~NAVD88 (ft)~~ **Transducer SN:** 1037337 **Logger:** WS

Casing Diameter (inside): ~~2.33~~ ~~(inches)~~ 1.68 Inches **Barologger ID:** Bar SN: 1035468

Screen Interval: 6.0 - 11.0 (ft) **Bore Diameter:** 8.0 (in) (inches)

~~**Total Depth From TOC:**~~ (measured)

~~**Depth To Groundwater Below TOC:**~~ (ft) **Time:** (PST)

Depth To Groundwater Below Rim: 6.21 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: (ft) Length from Rim: NONE (ft)

Initial Water Level Reading: 6.21 (ft) **Date:** 11/14/08

Initial Transducer Reading: 7.5488 ft Time: 8:12 (PST)

Initial Barologger Reading: 2.96938 ft

Transducer Depth Below ~~TOC~~ Rim: 10.79 (ft)

Download Datalogger File: YES NO **File Name:**

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** 10:00am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments: ~~* datum unknown~~ * datum unknown

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: 231GW06 **Transducer ID:** 231GW06 **Date:** 11-18-08

TOC Elevation (rim): 13.86 ~~NAVD88~~ unknown (ft) **Transducer SN:** 1037345 **Logger:** WKS

Casing Diameter (inside): ~~4.0~~ 4-inch outside (~~inches~~) 0.33(ft) **Barologger ID:** Bar SN: 1035468

Screen Interval: 13.3 – 23.3 (ft) **Bore Diameter:** 11.0 (inches)

~~**Total Depth From TOC:**~~ _____ (measured)

~~**Depth To Groundwater Below TOC:**~~ _____ (ft) **Time:** _____ (PST)

Depth To Groundwater Below Rim: 5.13 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: _____ (ft) Length from Rim: NONE (ft)

Initial Water Level Reading: 5.13 (ft) **Date:** 11-14-08

Initial Transducer Reading: 20.30690 ft Time: 8:30 (PST)

Initial Barologger Reading: 2.96938 ft

Transducer Depth Below ~~TOC~~ Rim: 22.47 (ft)

Download Datalogger File: YES NO **File Name:** _____

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** 11:00AM minutes

Changed Data Logging Frequency: YES NO **Start Time:** 11:00Am (PST) **Start Date:** 11-18-08

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: 231-GW-11 **Transducer ID:** 23GW11 **Date:** 11/18/2008

TOC Elevation (rim): 11.11 ~~NAVD88~~ Unknown (ft) **Transducer SN:** 1034730 **Logger:** WTS

Casing Diameter (inside): 0.33 ~~(inches)~~ ft **Barologger ID:** Bar SN: 1035468

Screen Interval: 4.5-9.5 (ft) **Bore Diameter:** 10.0 (inches) Filter: unknown

~~Total Depth From~~ TOC: _____ (measured)

~~Depth To Groundwater Below TOC~~: _____ (ft) **Time:** _____ (PST)

Depth To Groundwater Below Rim: 2.58 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: _____ (ft) Length from Rim: NONE (ft)

Initial Water Level Reading: 2.58 (ft) Rim **Date:** 11-18-08

Initial Transducer Reading: 9.20071 ft Time: 8:20 (PST)

Initial Barologger Reading: 3.00903 ft

Transducer Depth Below ~~TOC~~ Rim: 8.77 (ft)

Download Datalogger File: YES NO **File Name:** _____

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** ~~10:00~~ 11:00am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

4- outside

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: 2316W22 **Transducer ID:** 2316W22 **Date:** 11-18-08

TOC Elevation (rim): 15.88 unknown NAVD88 (ft) **Transducer SN:** 1037339 **Logger:** WKS

Casing Diameter (inside): ~~(inches)~~ 0.33(ft) **Barologger ID:** Bar SN: 1035468

Screen Interval: 3.7-9.7 (ft) **Bore Diameter:** 10.0 (inches)

~~**Total Depth From TOC:**~~ (measured)

~~**Depth To Groundwater Below TOC:**~~ (ft) **Time:** (PST)

Depth To Groundwater Below Rim: 7.66 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: (ft) Length from Rim: NONE (ft)

Initial Water Level Reading: 7.66 (ft) **Date:** 11-14-08

Initial Transducer Reading: 5.22831 ft Time: 8:35 (PST)

Initial Barologger Reading: 2.96938 ft

Transducer Depth Below ~~TOC~~ Rim: 9.92 (ft)

Download Datalogger File: YES NO **File Name:**

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** 11:00 AM minutes

Changed Data Logging Frequency: YES NO **Start Time:** 11:00 AM (PST) **Start Date:** 11-18-08

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

4-inch outside

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: 231GW21 **Transducer ID:** 231GW21 **Date:** 11-18-08

TOC Elevation (rim): 13.50 Unknown NAVD88 (ft) **Transducer SN:** 1037349 **Logger:** WKS

Casing Diameter (inside): ~~4~~ (inches) 0.33 ft **Barologger ID:** Bar SN: 1035468

Screen Interval: 4.8-8.8 (ft) **Bore Diameter:** 10.5 (inches)

~~**Total Depth From TOC:**~~ _____ (measured)

~~**Depth To Groundwater Below TOC:**~~ _____ (ft) **Time:** _____ (PST)

Depth To Groundwater Below Rim: 6.19 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: _____ (ft) Length from Rim: NONE (ft)

Initial Water Level Reading: 6.19 (ft) below rim **Date:** 11-14-08

Initial Transducer Reading: 5.99280 (ft) Time: 8:28 (PST)

Initial Barologger Reading: 2.96938 (ft)

Transducer Depth Below ~~TOC~~ Rim: ~~12.1828~~ (ft) 9.21

Download Datalogger File: YES NO **File Name:** _____

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** 10 AM minutes

Changed Data Logging Frequency: YES NO **Start Time:** 11:00 Am (PST) **Start Date:** 11-18-08

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: DNB-R7A-P2-D **Transducer ID:** ~~Same Piezo ID~~ DNB-R7A-P2-D **Date:** 11/18/2008

TOC Elevation (rim): 11.862 NAVD88 (ft) **Transducer SN:** 1037335 **Logger:** WFS

Casing Diameter (inside): 2 (inches) **Barologger ID:** Bar SN: 1035468

Screen Interval: 25.0 to 35.0 (ft) **Bore Diameter:** 5.0 (inches) Filter: Unknown

~~**Total Depth From TOC:**~~ _____ (measured)

~~**Depth To Groundwater Below TOC:**~~ _____ (ft) **Time:** _____ (PST)

Depth To Groundwater Below Rim: 1.47 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: _____ (ft) Length from Rim: NONE (ft)

Initial Water Level Reading: 1.47 (ft) **Date:** 11-18-08

Initial Transducer Reading: 35.9704 ft Time: 7:36 (PST)

Initial Barologger Reading: 2.99474 ft

Transducer Depth Below TOC: 34.45 (ft) RM

Download Datalogger File: YES NO **File Name:** _____

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** 10:00am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: DNB-R7A-P2-S **Transducer ID:** DNB-R7A-P2-S **Date:** 11/18/2008

TOC Elevation (rim): 11.895 NAVD88 (ft) **Transducer SN:** 1037346 **Logger:** CWB

Casing Diameter (inside): ~~2~~ 1.68 (inches) **Barologger ID:** Bar SN: 1035468

Screen Interval: 5.0 to 10.0 (ft) **Bore Diameter:** 5.0 (inches) Filter: unknown

~~**Total Depth From TOC:**~~ _____ (measured)

~~**Depth To Groundwater Below TOC:**~~ _____ (ft) **Time:** _____ (PST)

Depth To Groundwater Below Rim: 3.78 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: _____ (ft) Length from Rim: NONE (ft)

Initial Water Level Reading: 3.78 (ft) Rim **Date:** 11-18-08

Initial Transducer Reading: 8.5918 ft Time: 7:36 (PST)

Initial Barologger Reading: 2.99474 ft

Transducer Depth Below TOC: 9.36 (ft) Rim

Download Datalogger File: YES NO **File Name:** _____

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** 10:00am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: EMB-RIA-P2-D **Transducer ID:** Samas Piezo **Date:** 11/18/2008

TOC Elevation (rim): 11.441 NAVD88 (ft) **Transducer SN:** 1037357 **Logger:** Gds

Casing Diameter (inside): 1.68 (inches) **Barologger ID:** Bar SN: 1035468

Screen Interval: 19.5-29.5 (ft) **Bore Diameter:** 5.0 (inches) Filter: 18.0-29.5

~~**Total Depth From TOC:**~~ _____ (measured)

~~**Depth To Groundwater Below TOC:**~~ _____ (ft) **Time:** _____ (PST)

Depth To Groundwater Below Rim: 0.96 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: _____ (ft) Length from Rim: NONE (ft)

Initial Water Level Reading: 0.98 (ft) Rim **Date:** 11-18-08

Initial Transducer Reading: 30.5421 ft Time: 6:38 (PST)

Initial Barologger Reading: 2.98842 ft

Transducer Depth Below ~~TOC~~ Rim: 28.53 (ft)

Download Datalogger File: YES NO **File Name:** _____

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** ~~10~~ 11:00am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION Same

Piezometer ID: EMB-RIA-P2-S **Transducer ID:** ~~1032338~~ Doyle Drive Temp **Date:** 11/18/2008

TOC Elevation (rim): 11.431 NAVD88 (ft) **Transducer SN:** 1032338 **Logger:** WLS

Casing Diameter (inside): 1.68 (inches) **Barologger ID:** Bar SN: 1035418

Screen Interval: 5.0-10.0 (ft) **Bore Diameter:** 5.0 (inches) Filter: 4.0-10.0

~~**Total Depth From TOC:**~~ _____ (measured)

~~**Depth To Groundwater Below TOC:**~~ _____ (ft) **Time:** _____ (PST)

Depth To Groundwater Below Rim: 3.72 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: _____ (ft) Length from Rim: NONE (ft)

Initial Water Level Reading: 3.72 (ft) Rim **Date:** 11-18-08

Initial Transducer Reading: 8.9855 ft Time: 6:38 (PST)

Initial Barologger Reading: 2.98542 ft

Transducer Depth Below ~~TOC~~ Rim: 9.72 (ft)

Download Datalogger File: YES NO **File Name:** NO

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** ~~10~~ 11:00am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: EMB-R1-P2-D **Transducer ID:** EMB-R1-D **Date:** 11/18/2008

TOC Elevation (rim): 11.741 NAVD88 (ft) **Transducer SN:** 1037343 **Logger:** WLS

Casing Diameter (inside): 1.68 (inches) **Barologger ID:** Bar SN: 1035468

Screen Interval: 50.0 - 60.0 (ft) **Bore Diameter:** 5.0 (inches) Filter: unknown

~~Total Depth From TOC~~: _____ (measured)

~~Depth To Groundwater Below TOC~~: _____ (ft) **Time:** _____ (PST)

Depth To Groundwater Below Rim: ~~Flat~~ -0.42 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: _____ (ft) Length from Rim: 1.19 (ft)

Initial Water Level Reading: 1.61 (ft) Top of Temp Casing **Date:** 11-18-08

Initial Transducer Reading: 50.5457 ft Time: 9:18 (PST)

Initial Barologger Reading: 3.04037 ft

Transducer Depth Below ~~TOC~~ Rim: 47.09 (ft)

Download Datalogger File: YES NO **File Name:** _____

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** 10:00am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: ESB-R2-P2-D **Transducer ID:** ESB-R2-P2-D SAME **Date:** 11/18/2008

~~TOC~~ Elevation (rim): 11.094 NAVD88 (ft) **Transducer SN:** 1037603 **Logger:** WES ARUP

Casing Diameter (inside): 1.68 (inches) **Barologger ID:** Bar SN: 1035468

Screen Interval: 35.0 - 50.0 (ft) **Bore Diameter:** 5.0 (inches) Filter: 31.5 to 50.0

~~Total Depth From TOC~~: (measured)

~~Depth To Groundwater Below TOC~~: (ft) **Time:** (PST)

Depth To Groundwater Below Rim: - 0.55 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: (ft) Length from Rim: 1.71 (ft)

Initial Water Level Reading: 1.16 (ft) casing Top (Temp) **Date:** 11-18-08

Initial Transducer Reading: 51.1474 ft Time: 7:36 (PST)

Initial Barologger Reading: 3.01879 ft

Transducer Depth Below ~~TOC~~ Rim: 47.58 (ft)

Download Datalogger File: YES NO **File Name:**

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** ~~10:00~~ 11:00 am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: ESB-R2 P2-I **Transducer ID:** ESB-R2-P2-I **Date:** 11/18/2008

TOC Elevation (rim): 11.107 NAVD88 (ft) **Transducer SN:** ~~1037363~~ 1037342 **Logger:** WLES

Casing Diameter (inside): 1.68 (inches) **Barologger ID:** Bar SN: 1035468

Screen Interval: 25.0 to 35.0 (ft) **Bore Diameter:** 5.0 (inches) Filter 20.0 - 35.0

~~**Total Depth From TOC:**~~ _____ (measured)

~~**Depth To Groundwater Below TOC:**~~ _____ (ft) **Time:** _____ (PST)

Depth To Groundwater Below Rim: Mean -0.04 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: _____ (ft) Length from Rim: 1.01 (ft)

Initial Water Level Reading: 0.97 (ft) Top of casing (Temp) **Date:** 11-18-08

Initial Transducer Reading: 36.7426 ft Time: 7:48 (PST)

Initial Barologger Reading: 3.0063 ft

Transducer Depth Below ~~TOC~~ Rim: 33.70 (ft)

Download Datalogger File: YES NO **File Name:** _____

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** ~~10~~ 11:00am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: ESB-R2-P2-S **Transducer ID:** ESB-R2-P2-S **Date:** 11/18/2008

TOC Elevation (rim): 10.974 NAVD88 (ft) **Transducer SN:** 1037329 **Logger:**

Casing Diameter (inside): 1.68 (inches) **Barologger ID:** Bar SN: 1035468

Screen Interval: ~~ESB-10.0~~ 3.0' (ft) 8.0 **Bore Diameter:** 5.0 (inches) Filter 2.0 - 8.0

~~**Total Depth From TOC:**~~ (measured)

~~**Depth To Groundwater Below TOC:**~~ (ft) **Time:** 7:07 (PST)

Depth To Groundwater Below Rim: 2.97 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim North Side

Temparary Casing Extention: Length from TOC: NA (ft) Length from Rim: NONE (ft)

Initial Water Level Reading: 2.97 (ft) Top of Rim **Date:** 11-14-08

Initial Transducer Reading: 7.88236 (ft) Time: 7:03 (PST)

Initial Barologger Reading: 2.97117 (ft)

Transducer Depth Below ~~TOC~~ Rim: (ft)

Download Datalogger File: YES NO **File Name:**

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** 10:00am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: HGB1-17 **Transducer ID:** Same **Date:** 11/18/2008

TOC Elevation (rim): 12.907 NAVD88 (ft) **Transducer SN:** 1037376 **Logger:** LWL

Casing Diameter (inside): 2 (inches) **Barologger ID:** Bar SN: 1035468

Screen Interval: 12.9 to 17.9 (ft) **Bore Diameter:** 3.9 (inches)

~~**Total Depth From TOC:**~~ _____ (measured)

~~**Depth To Groundwater Below TOC:**~~ _____ (ft) **Time:** _____ (PST)

Depth To Groundwater Below Rim: 7.80 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: _____ (ft) Length from Rim: NONE (ft)

Initial Water Level Reading: 7.80 (ft) **Date:** 11-18-08

Initial Transducer Reading: 11.4164 ft Time: 9:03 (PST)

Initial Barologger Reading: 2.994174 ft

Transducer Depth Below ~~TOC~~ Rim: 16.22 (ft)

Download Datalogger File: YES NO **File Name:** _____

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** 10:00am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: HGB1-43 **Transducer ID:** Some **Date:** 11/18/2008

TOC Elevation (rim): 12.89 NAVD88 (ft) **Transducer SN:** 1037330 **Logger:**

Casing Diameter (inside): 2 (inches) **Barologger ID:** Bar SN: 1025968

Screen Interval: 38 to 43 (ft) **Bore Diameter:** 3.0 (inches) Filter: 35.3 - 48

~~Total Depth From~~ TOC: (measured)

~~Depth To Groundwater Below~~ TOC: (ft) **Time:** (PST)

Depth To Groundwater Below Rim: 1.17 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: (ft) Length from Rim: NONE (ft)

Initial Water Level Reading: 1.17 (ft) **Date:** 11-18-08

Initial Transducer Reading: 44.1413 ft Time: 8:03 (PST)

Initial Barologger Reading: 2.99474 ft

Transducer Depth Below ~~TOC~~ Rim: 42.32 (ft)

Download Datalogger File: YES NO **File Name:**

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** ~~10~~ 11:00am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: RW18-A1-P2-D Transducer ID: RW18-A1-P2-D Date: 11/18/2008

~~TOC~~ Elevation (rim): 10.350 NAVD88 (ft) Transducer SN: 1037348 Logger: WLS

Casing Diameter (inside): 1.68 (inches) Barologger ID: Bar SN: 1035468

Screen Interval: 20.0 - 30.0 (ft) Bore Diameter: 5.0 (inches)

~~Total Depth From TOC:~~ _____ (measured)

~~Depth To Groundwater Below TOC:~~ _____ (ft) Time: _____ (PST)

(A) Depth To Groundwater Below Rim: -1.55 (ft) Water Level Meter Used: Solinst

TOC Reference Point Description: Top of Rim North Side

Temparary Casing Extention: Length from TOC: _____ (ft) (B) Length from Rim: 3.45 (ft)

(D) Initial Water Level Reading: 1.90 (ft) Top of casing (Temp) Date: 11-18-08

(C) Initial Transducer Reading: 33.4803 ft Time: 7:58 (PST)

(C') Initial Barologger Reading: 3.00403 ft

(E) Transducer Depth Below ~~TOC~~ Rim: 28.92 (ft) = (C - C') + D

Download Datalogger File: YES NO File Name: _____

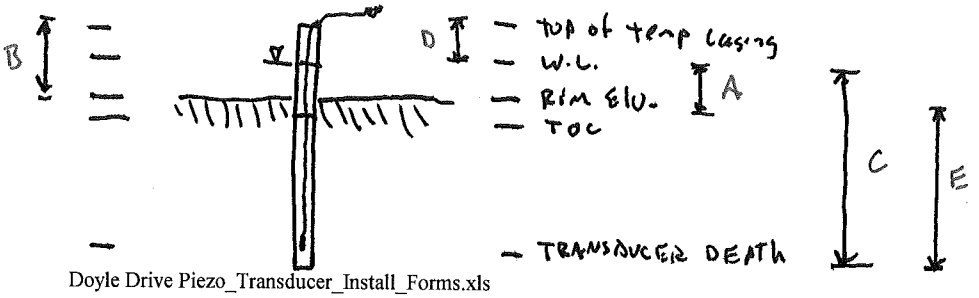
Reset Datalogger Memory: YES NO Time Interval Set To Record Every: Logarithmic

Changed Data Logging Frequency: YES NO Start Time: ~~10:00~~ 11:00am (PST) Start Date: 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:



DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: PW-1A **Transducer ID:** PW-1A **Date:** 11/18/2008

TOC Elevation (rim): 11.502 NAVD88 (ft) **Transducer SN:** 1037341 **Logger:** WE

Casing Diameter (inside): _____ (inches) **Barologger ID:** Bar SN: 1035468

Screen Interval: 25.0 - 60.0 (ft) **Bore Diameter:** 12 (inches) Filter: 23.0 - 60.0

~~**Total Depth From TOC:**~~ _____ (measured)

~~**Depth To Groundwater Below TOC:**~~ _____ (ft) **Time:** _____ (PST)

Depth To Groundwater Below Rim: - 0.40 (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: NA (ft) Length from Rim: 2.54 (ft)

Initial Water Level Reading: 2.94 (ft) TOC Top Temp Casing **Date:** 11-18-08

Initial Transducer Reading: 59.8995 ft Time: 6:30 (PST)

Initial Barologger Reading: 2.988342 ft

Transducer Depth Below ~~TOC~~ Rim: 57.31 (ft)

Download Datalogger File: YES NO **File Name:** _____

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** 10:00am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

Piezometer ID: RW18-A1A-P2-S **Transducer ID:** RW18-A1A-PZ-S **Date:** 11/18/2008

TOC Elevation (rim): 10.326 NAVD88 (ft) **Transducer SN:** 1037333 **Logger:** W/KS / RR

Casing Diameter (inside): 1.68 (inches) **Barologger ID:** Bar SN: 1035468

Screen Interval: 4.0 - 9.0 (ft) 3.5-9.0 Fixed **Bore Diameter:** 5.0 (inches)

~~**Total Depth From TOC:**~~ (measured)

~~**Depth To Groundwater Below TOC:**~~ (ft) **Time:** (PST)

Depth To Groundwater Below Rim: [illegible] (ft) **Water Level Meter Used:** Solinst

TOC Reference Point Description: Top of Rim North Side

Temparary Casing Extention: Length from TOC: NA (ft) Length from Rim: NONE (ft)

Initial Water Level Reading: 2.51 (ft) below rim **Date:** 11-14-08

Initial Transducer Reading: 8.95481 (ft) Time: 7:46 (PST)

Initial Barologger Reading: 2.96938 (ft)

Transducer Depth Below ~~TOC~~ Rim: ~~11.4648~~ (ft) 8.50

Download Datalogger File: YES NO **File Name:**

Reset Datalogger Memory: YES NO **Time Interval Set To Record Every:** Logarithmic

Changed Data Logging Frequency: YES NO **Start Time:** ~~10~~ 11:00am (PST) **Start Date:** 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments:

DOYLE DRIVE PIEZOMETER GROUNDWATER LEVEL MOINITORING, SAN FRANCISCO, CA

PIEZOMETER AND TRANSDUCER DATALOGGER INFORMATION

TIDE STATION

~~Piezometer~~ ID: Tide Station Transducer ID: TIDE Station Date: 11/18/2008

~~TOC~~ Elevation (rim): _____ NAVD88 (ft) Transducer SN: 1034718 Logger: _____

Casing Diameter (inside): _____ (inches) Barologger ID: _____ SN: _____

Screen Interval: _____ (ft) Bore Diameter: _____ (inches)

Total Depth From TOC: _____ (measured)

Depth To Groundwater Below TOC: _____ (ft) Time: _____ (PST)

Depth To Groundwater Below Rim: _____ (ft) Water Level Meter Used: Solinst

TOC Reference Point Description: Top of Rim

Temparary Casing Extention: Length from TOC: _____ (ft) Length from Rim: _____ (ft)

Initial Water Level Reading: _____ (ft) Date: _____

Initial Transducer Reading: _____ Time: _____ (PST)

Initial Barologger Reading: _____

Transducer Depth Below ~~TOC~~ Rim: _____ (ft)

Download Datalogger File: YES NO File Name: _____

Reset Datalogger Memory: YES NO Time Interval Set To Record Every: ~~Logarithmic~~ 10 min

Changed Data Logging Frequency: YES NO Start Time: ~~10:00~~ 9:00 am (PST) Start Date: 11/18/2008

CONDITION OF PIEZOMETER & TRANSDUCER

	Good or Unchanged	Needs Attention	Photo Taken	Comments
Transducer:	YES NO	YES NO	YES NO	
Transducer Suspending Cable:	YES NO	YES NO	YES NO	
Well Head Protection:	YES NO	YES NO	YES NO	
Well Cap:	YES NO	YES NO	YES NO	

Comments: * TIDE OF 3.1 ft above mean Sea level? (Data from GPS) at 09:00 Am.

TIDE STATION LOCATED AT PIER NEAR Bldg 991: "Gulf of Farellons National Marine Sanctuary Admin office

* Transducer sits above water during Low Low Tide.