5/7/12
Partly Cloudy, High 91°F

Purpose: Purge and sample 5852213 (TXI), 5852314 (Mansville Wisian W1, Wisian W2, 58522 (Edgar), Buchhert

Equipment: Thin tape WL meter, LaMotte turbidity meter, YSI 556 Water Quality Meter (WQM), Submersible pump, dedicated tubing, Mettler Toledo pH meter, Jump Start battery

Crew: Kim Nguyen (KN - URS Austin)
Arthur Potts (AP - Cox Mclain)

0700 Load equipment at URS Austin office
0800 Arrive at LCRA lab to pick up coolers. Buy ice
0837 Sign in at TX1
0850 Calibrate LaMotte turbidity meter

| | Standard | Final |
|---|---|---|
| Turbidity = | 0.0 NTU | = 0.00 NTU |
| | = 10.0 NTU | = 9.70 NTU |

0900 Set up on well 5852213 (TX1 well). Download transduce data. Low flow controller not working. Discovered that the connection with the Jump Start battery was loose.
0941 Pump on at 5852213
1000 Collect CRCP-5852213-0601. Decon pump and WL meter.
1030 Sign off at TX1
1045 Set up on 5852314 well
1052 Pump on at 5852314
1105 Collect CRCP-5852314-0601 Decon WL mete.
1115 Take a break.
1140 AP collects air quality samples from Wisian property
1200 Set up on Wisian Well 1
1210 Pump on at Wisian Well 1
1220 Pump stopped possibly due to overheating



Witnessed & Understood by me, Date 5/7/12 Invented by: Date Recorded by:

Project No. 41010113.102
Book No. 00835 TITLE CRCP-GWM-May 2012

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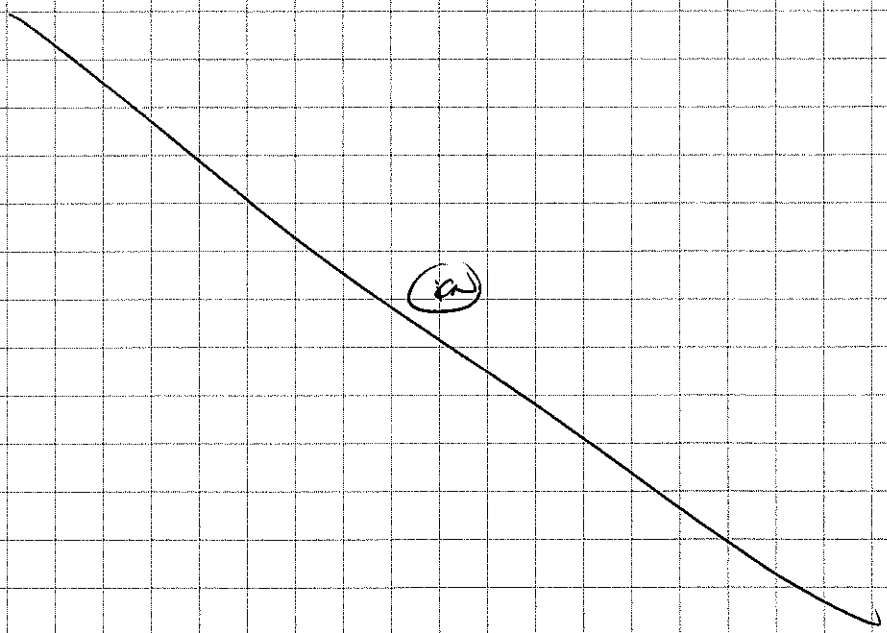
5/7/12 (Cont.)

1240 Collect CRCP-WisianW1-060 Decon pump and WL meter.
1250 Collect CRCP-WisianW1-065 (EB).
1255 Set up on Wisian Well 2.
1307 Pump on at Wisian Well 2.
1325 Collect CRCP-WisianW2-060 Decon WL meter. Rinse pump. Place pump with Wisian Well 2 tubing.
1345 AP collects air filter sample at ATF.
1410 Set up on well 58522 (Edgar)
1417 Pump on at 58522
1435 Collect CRCP-58522-060. Decon WL meter
1450 Set up on Buchhert well.
1500 Pump on at Buchhert well
1515 Collect CRCP-Buchhert-060. Decon WL meter
1520 Load equipment. Drive to LCRA lab.
1550 Drop off samples at LCRA lab.



To Page No. ____

| ssed & Understood by me, | Date | Invented by: | Date |
|---|---|---|---|
| | 5/7/12 | Recorded by: | |

From Page No. ____

5/8/12
Raining, High 81°F
(T-Storm last night)

Purpose: Purge and sample ATF Well 1, NTN Well 2, Holweger well, 221049 (King) well.

Equipment: Private pumps, thin tape WL meter, YSI 556 WQM, LaMotte turbidity meter, Mettler Toledo pH mete-

Crew: Kim Nguyen (KN - URS Austin)
Arthur Potts (AP - Cox Mclain)

0730 Leave Austin Office for ATF Well 1. Buy Ice.
0845 Set up on ATF Well 1
0851 Pump on ATF Well 1. WL meter not functioning properly. Will replace battery after finished w/ well.
0905 Collect [CRCP-ATF1-060] Decon WL meter.
0925 Gauge NTN Well 1 - DTW = 27.96' BTOC
Set up on NTN Well 2
0935 Pump on at NTN Well 2. WL meter not functioning.
0955 Collect [CRCP-NTNW2-060] [CRCP-NTNW2-061] (DUP)
Decon WL meter.
1000 Replace battery on WL meter.
1010 Set up on Holweger well
1019 Pump on at Holweger well.
1035 Collect [CRCP-Holweger-063] (MS/MSD). Decon WL meter
1050 Set up on 221049 (King)
1055 Pump on 221049
1110 Collect [CRCP-221049-060]. Decon WL meter.
1120 Clean/put up equipment.
1145 Drop off samples at LCRA lab.
1215 Unload equipment at URS office.
1300 Drop off LaMotte turbidity meter at Ashtead.

(KN)

To Page No. ____

| Witnessed & Understood by me, | Date | Invented by: | Date |
|---|---|---|---|
| | 5/8/12 | Recorded by: | |

0800

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 10/19/11
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak
Well Identification: 2210449 well
Initial Water Level (ft, BTOC): 32.63'
Well Diameter: 5 inches
Well Depth (ft, BTOC): Unknown
Screen Interval: Unknown
Well Volume:
Pump/Purging Device: Dedicated pump
Pump Intake Depth: Unknown
Sample Time: 0840
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0826 | - | - | - | - | - | - | - | - | - | - | Pump On |
| 0826 | 32.63 | — | ~~~2.5~~ | 14.59 | 0.342 | 6.97 | 5.3 | 0.03 | 153.9 | — | Purge out of hose |
| 0829 | 32.63 | ~0.83 | ~2.5 | 17.82 | 0.368 | 10.24 | 5.3 | 0.03 | 136.7 | — | |
| 0830 | 32.63 | ~0.83 | — | 18.08 | 0.368 | 10.38 | 5.57 | 0.03 | 133.7 | — | pH values are suspect |
| 0831 | 32.63 | ~0.83 | — | 18.22 | 0.370 | 10.62 | 5.67 | 0.03 | 128.0 | — | |
| 0832 | 32.63 | ~0.83 | — | 18.31 | 0.370 | 12.42 | 5.52 | 0.02 | 124.2 | — | |
| 0833 | 32.63 | ~0.83 | — | 18.32 | 0.370 | 11.58 | 5.21 | 0.02 | 120.8 | — | |
| 0834 | 32.63 | ~0.83 | — | 18.38 | 0.370 | 11.45 | 6.23 | 0.02 | 119.6 | — | |
| 0835 | 32.63 | ~0.83 | — | 18.51 | 0.371 | 11.52 | 6.45 | 0.02 | 118.9 | — | |
| | | | ~7.5 | | | | | | | | |
| 0840 | Collect CRCP-2210449-010 | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
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| | | | | | | | | | | | |
| | | | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 10/19/11

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak

Well Identification: 58522 well (Edgar)

Initial Water Level (ft, BTOC): ~~Not able to measure WL~~ 38.92' BTOC

Well Diameter: 4 inches

Well Depth (ft, BTOC): ~70

Screen Interval:

Well Volume:

Pump/Purging Device: Dedicated pump, hose

Pump Intake Depth: ~~Unknown~~ ~39.50' BTOC

Sample Time: 1150

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1138 | - | - | - | - | - | - | - | - | - | | Spigot ~~Pump~~ On, Spigot is on |
| 1139 | 39.28 | 5 gal/min | — | 22.07 | 0.667 | 9.79 | 0.16 | 0.01 | 144.0 | — | top of the well head, |
| 1140 | — | 5 gal/min | — | 21.90 | 0.667 | 9.80 | — | 0.01 | 138.6 | — | connected to hose |
| 1141 | — | 5 gal/min | — | 21.88 | 0.667 | 9.94 | — | 0.01 | 134.7 | — | clear |
| 1142 | 39.20 | 5 gal/min | — | 21.89 | 0.668 | 10.15 | 0.39 | 0.01 | 130.2 | — | " |
| 1143 | — | 5 gal/min | — | 21.88 | 0.667 | 10.29 | — | 0.01 | 128.8 | — | " |
| 1144 | — | 5 gal/min | — | 21.87 | 0.667 | 10.32 | 0.00 | 0.01 | 126.3 | — | " |
| 1145 | 39.14 | 5 gal/min | — | 21.87 | 0.667 | 10.32 | — | 0.01 | 123.4 | — | " |
| | | | ~35 gal | | | | | | | | |
| 1150 | Collect CRCP-58522-010 | | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 10/18/11
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak
Well Identification: 5852213
Initial Water Level (ft, BTOC): 29.84'
Well Diameter: 5 inches
Well Depth (ft, BTOC): 36.38'
Screen Interval:
Well Volume:
Pump/Purging Device: Twister Tempest Submersible Pump
Pump Intake Depth: ~34' BTOC
Sample Time: 1330
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1250 | - | - | - | - | - | - | - | - | - | | Pump On; Pump stopped. Need to pull pump |
| 1305 ~~1253~~ | — | — | — | — | — | — | — | — | — | | Pump on |
| 1308 ~~1256~~ | 30.00 | 225 | — | 21.17 | 0.574 | 14.37 | 56.4 | 0.01 | -189.6 | — | Sulfur odor |
| 1311 | 30.00 | 225 | ~2.0 | 21.19 | 0.576 | 14.12 | 51.3 | 0.01 | -183.8 | — | |
| 1314 | 30.00 | 260 | — | 21.39 | 0.581 | 14.28 | 51.3 | 0.01 | -195.2 | — | pH values are suspect |
| 1317 | 30.00 | 260 | ~2.5 | 21.40 | 0.582 | 14.08 | 56.3 | 0.01 | -183.0 | — | |
| 1320 | 30.~~28~~ 2 | 260 | ~3.0 | 21.10 | 0.580 | 14.23 | 55.4 | 0.01 | -201.1 | — | |
| 1323 | 30.10 | 275 | — | 20.73 | 0.560 | 14.25 | 49.1 | 0.01 | -203.8 | — | |
| 1326 | 30.14 | 275 | ~3.5 | 20.72 | 0.562 | 14.14 | 41.9 | 0.01 | -199.5 | — | |
| | | | | | | | | | | | |
| 1330 | Collect CRCP-5852213-010 | | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

1425

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 10/18/11
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak
Well Identification: 5852314 well
Initial Water Level (ft, BTOC): 41.10' (Pump turned off, Allowed to equilibrate)
Well Diameter: (inches)
Well Depth (ft, BTOC): ~50
Screen Interval:
Well Volume:
Pump/Purging Device: Dedicated pump
Pump Intake Depth: N/A
Sample Time: 1455
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1450 | - | (Pump capacity. | - | - | - | - | - | - | - | — | Pump On |
| 1450 | 48.30 | 390 gal/min | 2 | 20.29 | 0.716 | 11.34 | — | 0.03 | -11.6 | — | 170,210 gal (initial) |
| 1451 | — | 5 gal/min | 5 | 20.67 | 0.716 | 10.44 | — | 0.03 | 70.2 | — | 173,550 gal (final) |
| 1452 | — | 5 gal/min | — | 20.65 | 0.711 | 10.25 | — | 0.03 | 82.9 | — | Turbidity values |
| 1453 | — | 5 gal/min | — | 20.63 | 0.714 | 10.12 | — | 0.03 | 86.9 | — | are negative. Need to recalibrate. |
| 1454 | — | 5 gal/min | — | 20.60 | 0.713 | 10.06 | — | 0.02 | 88.6 | — | Water very clear. |
| 1455 | 48.56 | 5 gal/min | — | 20.59 | 0.713 | 10.09 | 0.95 | 0.02 | 84.9 | — | |
| | | from spigot | | | | | | | | | Total purged = 3,340 gal |
| 1455 | Collect | CRCP-5852314-010 | | | | | | | | | moved to tank |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 10/19/11

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak

Well Identification: ATF Well 1

Initial Water Level (ft, BTOC): 28.92' BTOC

Well Diameter: 16 inches

Well Depth (ft, BTOC): 50.58' BTOC

Screen Interval:

Well Volume:

Pump/Purging Device: 1

Pump Intake Depth:

Sample Time: 1355

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | gal/min Purge Rate (mL/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1346 | - | - | - | - | - | - | - | - | - | | Spigot ~~Pump~~ On; Take a little time to |
| 1347 | — | ~300-400 | — | 21.36 | 0.799 | 10.49 | — | 0.02 | 115.1 | — | build back pressure for water |
| 1349 | — | ~300-400 | — | 21.41 | 0.800 | 10.34 | — | 0.01 | 110.1 | — | Clear |
| 1350 | — | ~300-400 | — | 21.48 | 0.801 | 10.41 | — | 0.01 | 107.2 | — | " |
| 1351 | — | ~300-400 | — | 21.45 | 0.802 | 10.39 | 0.00 | 0.01 | 104.5 | — | " |
| 1352 | 44.78 | ~300-400 | — | 21.47 | 0.803 | 10.42 | — | 0.01 | 102.5 | — | " |
| 1353 | — | ~300-400 | — | 21.47 | 0.802 | 10.43 | 1.11 | 0.01 | 102.0 | — | " |
| | | | | | | | | | | | |
| 1355 | Collect CRCP-ATF1-010 | | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

0930

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 10/19/11
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak
Well Identification: Buchheit Well
Initial Water Level (ft, BTOC): 26.15' (Pump off)
Well Diameter: ~~inches~~ ~~Unknown~~ (KN) 4 inches
Well Depth (ft, BTOC):
Screen Interval:
Well Volume:
Pump/Purging Device: Dedicated pump
Pump Intake Depth: Unknown
Sample Time: 1000
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0941 | - | - | - | - | - | - | - | - | - | — | Spigot ~~Pump~~ On |
| 0943 | — | 2700 | — | 19.89 | 0.505 | 8.54 | 0.00 | 0.03 | 139.1 | — | Clear |
| 0944 | — | — | — | 20.77 | 0.465 | 9.47 | — | 0.02 | 133.3 | — | " |
| 0945 | — | — | — | 20.69 | 0.458 | 9.70 | — | 0.02 | 129.4 | — | " |
| 0946 | — | ~3 gal/min | — | 20.51 | 0.353 | 10.10 | — | 0.02 | 128.3 | — | " |
| 0947 | — | ~3 gal/min | — | 22.09 | 0.400 | 10.08 | — | 0.02 | 123.9 | — | Pump kicked on, Clear |
| 0948 | — | ~3 gal/min | — | 22.00 | 0.401 | 10.32 | — | 0.02 | 118.5 | — | Clear |
| 0949 | 26.48 | ~3 gal/min | — | 22.01 | 0.464 | 10.88 | — | 0.02 | 114.2 | — | " |
| 0950 | — | ~3 gal/min | — | 21.99 | 0.490 | 10.76 | 0.22 | 0.02 | 111.4 | — | " |
| 0951 | 26.48 | ~3 gal/min | — | 22.04 | 0.489 | 11.57 | — | 0.02 | 107.3 | — | " |
| 0952 | 26.45 | ~3 gal/min | — | 22.05 | 0.481 | 11.67 | — | 0.02 | 105.3 | — | " |
| 0953 | — | ~3 gal/min | — | 22.06 | 0465 | 11.81 | — | 0.02 | 103.5 | — | " |
| 0954 | — | ~3 gal/min | — | 22.06 | 0.465 | 11.89 | — | 0.02 | 101.0 | — | " |
| 0955 | — | ~3 gal/min | — | 22.07 | 0.457 | 11.86 | 0.14 | 0.02 | 100.2 | — | " |
| | | (KN) ~~>30 gal~~ | >30 gal | | | | | | | | |
| 1000 | Collect [CRCP-Buchheit-010] | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: **Travis County - Colorado River Corridor Plan**

Date: 10/18/11

Location: **Austin, TX**

Field Personnel: **Kim Nguyen, Arthur Potts, Kevin Pasternak**

Well Identification: Glass Well

Initial Water Level (ft, BTOC): 47.01'

Well Diameter: 30 inches

Well Depth (ft, BTOC): 47.40' (from top of the concrete lid)

Screen Interval:

Well Volume:

Pump/Purging Device: Bailer

Pump Intake Depth: N/A

Sample Time: 1120

Analyses/Notes: **Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)**

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1110 | - | - | - | - | - | - | - | - | - | | Start bailing ~~Pump On~~ |
| 1115 | — | — | <0.1 | 19.17 | 0.445 | 8.18 | 300 | 0.03 | 139.0 | — | Very little water in well. Had to bail multiple times to get enough volume for reading. |
| 1120 | Collect GRCP-Glass-010 | | | | | | | | | | Collect sample after 1st reading |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 10/19/11
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak
Well Identification: Holweger well
Initial Water Level (ft, BTOC): 32.82' BTOC
Well Diameter: 5 inches
Well Depth (ft, BTOC): 39.75' BTOC
Screen Interval:
Well Volume:
Pump/Purging Device: Dedicated pump
Pump Intake Depth:
Sample Time: 1450
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1448 | - | - | - | - | - | - | - | - | - | | Spigot ~~Pump~~ On, No hose |
| 1450 | 32.86 | 10 gal/min | — | 21.56 | 0.533 | 10.80 | 0.27 | 0.05 | 90.3 | — | Pump cycling on and off |
| 1451 | 33.00 | 10 gal/min | — | 21.36 | 0.531 | 10.84 | 0.62 | 0.02 | 85.7 | — | |
| 1452 | 32.91 | 10 gal/min | — | 21.31 | 0.530 | 10.89 | 0.74 | 0.02 | 83.0 | — | |
| 1453 | 32.98 | 10 gal/min | — | 21.05 | 0.530 | 10.90 | 1.55 | 0.02 | 82.2 | — | |
| | | | ~50 gal | | | | | | | | |
| 1455 | Collect CRCP-Holweger-013 | | | | | (MS/MSD) | | | | | |
| | * Note * Well next to Holweger well (hand dug) is dry. TD = 29.34' BTOC | | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.66 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

1205 59442 1243
10225 1257
783

* Need small diameter WL meter to measure WL

30' 7.5"
36' 1 7/8"

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Location: Austin, TX

Well Identification: NTN Well 2, NTN well 1 (gauge only)

Well Diameter: 18 inches

Screen Interval:

Pump/Purging Device: Dedicated pump

Sample Time: 1255

Date: 10/19/11

Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak

Initial Water Level (ft, BTOC): 30.63' BTOC (at NTN well by office) NTN Well 1

Well Depth (ft, BTOC): 36.16' BTOC (at NTN well by office) NTN Well 1

Well Volume:

Pump Intake Depth:

Not Sure if grounded top of pump

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1247 | - | - | - | - | - | - | - | - | - | | Pump On |
| 1249 | — | ~~100~~ 56 | — | 21.48 | 0.796 | 10.56 | 0.45 | 0.01 | 120.4 | — | Clear |
| 1250 | — | ~56 | — | 20.65 | 0.784 | 10.47 | 1.06 | 0.01 | 119.5 | — | " |
| 1251 | — | ~56 | — | 20.68 | 0.791 | 10.52 | 1.69 | 0.01 | 116.9 | — | " |
| 1252 | 36.94 | ~56 | — | 20.90 | 0.793 | 10.46 | 1.65 | 0.01 | 119.3 | — | " |
| 1253 | 37.94 | ~56 | — | — | — | — | — | — | — | — | " |
| 1256 | 37.94 | ~56 | 504 | — | — | — | — | — | — | — | " |
| 1255 | Collect CRCP-NTNW2-010 and CRCP-NTNW2-0101 | | | | | | | | | | Discharge directly |
| | * Water levels collected from PVC pipe by wellhead/pump | | | | | | | | | | from outfall. Pump |
| 1426 | 33.82 | Pump was not on at the time of WL reading. | | | | | | | | | rate changes with level |
| | | | | | | | | | | | of water in pond. |
| | | | | | | | | | | | If need to start pump, |
| | | | | | | | | | | | lower the "float" and |
| | | | | | | | | | | | pump will start |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: **Travis County - Colorado River Corridor Plan**
Date: 10/18/11

Location: **Austin, TX**
Field Personnel: **Kim Nguyen, Arthur Potts, Kevin Pasternak**

Well Identification: Wisian W1
Initial Water Level (ft, BTOC): 50.39'

Well Diameter: 8 **inches**
Well Depth (ft, BTOC): 65.22'

Screen Interval:
Well Volume:

Pump/Purging Device: Twister Tempest submersible pump
Pump Intake Depth: ~58' BTOC

Sample Time: 1010
Analyses/Notes: **Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)**

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0954 | - | - | - | - | - | - | - | - | - | | Pump On |
| 0957 | 50.39 | 1300 | — | 21.84 | 0.441 | 6.17 | 5.51 | 0.02 | 55.9 | — | |
| 1000 | 50.39 | 1300 | ~2.5 | 21.85 | 0.441 | 6.13 | 3.82 | 0.02 | 53.1 | — | |
| 1003 | 50.39 | 1300 | ~3.0 | 21.81 | 0.441 | 6.28 | 3.06 | 0.02 | 53.2 | — | |
| 1006 | 50.39 | 1300 | ~4.5 | 21.75 | 0.440 | 6.18 | 2.91 | 0.02 | 54.1 | — | |
| | | | | | | | | | | | |
| 1010 | Collect CRCP-Wisian W1-010 | | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 11/30/11

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak

Well Identification: 221049 (Sarah King Well)

Initial Water Level (ft, BTOC): 32.94

Well Diameter: 5 inches

Well Depth (ft, BTOC):

Screen Interval:

Well Volume:

Pump/Purging Device: Private pump

Pump Intake Depth:

Sample Time: 0815

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | (gal/min) Purge Rate ~~(ml/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 756 | - | - | - | - | - | - | - | - | - | | Pump On |
| 758 | 32.96 | 5 gal/min | 10 | 10.07 | 0.589 | 5.92 | 4.92 | 0.23 | 156.2 | — | Clear |
| 800 | 32.94 | | 20 gal | 11.55 | 0.611 | 6.60 | 5.77 | 0.21 | 138.8 | — | " |
| 802 | 32.94 | | 30 gal | 13.26 | 0.639 | 6.92 | 6.49 | 0.20 | 130.0 | — | " |
| 804 | 32.92 | | ~~30~~ 40 gal | 14.49 | 0.659 | 7.18 | 8.80 | 0.18 | 123.6 | — | " |
| 806 | 3292 | | 50 gal | 15.62 | 0.678 | 7.38 | 9.20 | 0.15 | 117.3 | — | " |
| 808 | 32.94 | | 60 gal | 16.70 | 0.696 | 7.53 | — | 0.12 | 112.0 | — | " |
| 809 | 32.92 | | 65 gal | 17.09 | 0.703 | 7.57 | — | 0.11 | 110.6 | — | " |
| 810 | 32.92 | | 70 gal | 17.61 | 0.709 | 7.61 | 10.52 | 0.09 | 107.7 | — | " |
| | | | | | | | | | | | |
| 815 | Collect CRCP-221049-020 | | | | | | | | | | |

32.85'
11.25'
11.25'
11"
11"
11.25"
11"
11"

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 11/29/11

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak

Well Identification: 58522 (Edgar well)

Initial Water Level (ft, BTOC): 39.40

Well Diameter: inches

Well Depth (ft, BTOC): ~70

Screen Interval:

Well Volume:

Pump/Purging Device: Dedicated private pump

Pump Intake Depth:

Sample Time: 1510

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1456 | - | - | - | - | - | - | - | - | - | | Pump On |
| 1458 | 39.40 | 0.9 | – | 20.65 | 1.239 | 6.73 | 4.42 | 0.04 | 84.3 | – | Clear |
| 1500 | 39.40 | ↓ | – | 21.02 | 1.248 | 7.39 | 2.49 | 0.04 | 53.8 | – | " |
| 1502 | 39.40 | | – | 21.12 | 1.251 | 7.52 | 0.59 | 0.04 | 46.0 | – | " |
| 1504 | 39.40 | | – | 21.23 | 1.254 | 7.71 | – | 0.04 | 37.6 | – | " |
| 1506 | 39.40 | | – | 21.19 | 1.253 | 7.75 | 0.52 | 0.05 | 34.2 | – | " |
| 1508 | 39.40 | | ~10.8 | 21.22 | 1.253 | 7.76 | 0.15 | 0.05 | 31.2 | – | " |
| | | | | | | | | | | | |
| 1510 | Collect | CRCP-58522-020 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 11/29/11

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak

Well Identification: 5852213

Initial Water Level (ft, BTOC): 29.66

Well Diameter: 5 inches

Well Depth (ft, BTOC): 36.38

Screen Interval:

Well Volume: 6.72' x 1.02 = 6.9 gal

Pump/Purging Device: Submersible pump

Pump Intake Depth: ~3' above bottom

Sample Time: 1010

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | (L) Volume Purged ~~(gal)~~ | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0950 | - | - | - | - | - | - | - | - | - | | Pump On |
| 0953 | 29.85 | 650 | — | 19.42 | 0.956 | 7.05 | 14.5 | 0.08 | -239.8 | — | pH=6.47 ; Sulfur odor |
| 0956 | 29.96 | 680 | — | 19.82 | 0.970 | 7.14 | 12.1 | 0.06 | -240.3 | — | |
| 0959 | 29.96 | 720 | — | 19.85 | 0.972 | 7.21 | 11.0 | 0.06 | -236.7 | — | |
| 1002 | 29.86 | 300 | — | 19.40 | 0.959 | 7.26 | 9.94 | 0.06 | -231.6 | — | |
| 1005 | 29.85 | 300 | ~9L | 19.31 | 0.956 | 7.22 | 9.55 | 0.06 | -223.3 | — | |
| 1008 | 29.84 | 300 | ~10L | 19.70 | 0.964 | 7.25 | 9.13 | 0.06 | -213.8 | — | |
| | | | | | | | | | | | |
| 1010 | Collect | CRCA-5852213-020 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 11/30/11

Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak

Well Identification: 5852314
Initial Water Level (ft, BTOC): 40.80

Well Diameter: inches
Well Depth (ft, BTOC): 60.00

Screen Interval:
Well Volume:

Pump/Purging Device: Private pump
Pump Intake Depth: Unknown

Sample Time:
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | gpm Purge Rate ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1023 | - | - | - | - | - | - | - | - | - | — | Pump On |
| 1025 | 47.02 | 380 | — | 20.71 | 1.393 | 7.94 | 4.58 | 0.17 | 88.7 | — | Clear |
| 1027 | 47.22 | ↓ | — | 20.82 | 1.390 | 8.02 | 2.23 | 0.11 | 74.5 | — | " |
| 1029 | 47.36 | | — | 20.83 | 1.390 | 8.14 | 1.56 | 0.08 | 69.4 | — | " |
| 1031 | 47.44 | | — | 20.84 | 1.390 | 8.18 | 1.37 | 0.05 | 66.7 | — | " |
| 1033 | 47.54 | ↓ | 3800 | 20.86 | 1.391 | 8.24 | 1.31 | 0.03 | 65.1 | — | " |
| | | | | | | | | | | | |
| 1035 | Collect | CRCP-5852314-020 | | | | | 1 | | | | |
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| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 11/29/11
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak
Well Identification: ATF Well 1
Initial Water Level (ft, BTOC): 28.48
Well Diameter: inches
Well Depth (ft, BTOC):
Screen Interval:
Well Volume:
Pump/Purging Device: Dedicated private pump
Pump Intake Depth:
Sample Time: 1325
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate ~~(mL/min)~~ gal/min | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1312 | - | - | - | - | - | - | - | - | - | | Pump On |
| 1314 | 44.46 | ~2 gal/min | — | 21.04 | 1.618 | 7.35 | — | 0.13 | -25.9 | — | Clear |
| 1315 | 44.48 | ↓ | — | 21.23 | 1.620 | 7.99 | 0.05 | 0.12 | -32.4 | — | " |
| 1316 | 44.48 | | — | 21.20 | 1.607 | 7.99 | 1.76 | 0.11 | -30.0 | — | " |
| 1318 | 44.50 | | — | 21.20 | 1.607 | 7.97 | 0.61 | 0.10 | -29.3 | — | " |
| 1319 | 44.50 | | — | 21.24 | 1.609 | 7.91 | — | 0.09 | -26.5 | — | " |
| 1320 | 44.51 | ↓ | ~16 gal | 21.24 | 1.611 | 7.89 | 0.31 | 0.07 | -24.9 | — | " |
| | | | | | | | | | | | |
| 1325 | Collect CRCP-ATF1-020 | | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 11/30/11

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak

Well Identification: Buchheit well

Initial Water Level (ft, BTOC): 26.21 (used thin WL meter)

Well Diameter: 4 inches

Well Depth (ft, BTOC): 30.75

Screen Interval:

Well Volume: 4.54' x 0.65 = 2.95 gal

Pump/Purging Device: Private pump

Pump Intake Depth: Unknown

Sample Time: 1410

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | gpm Purge Rate ~~(ml/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1354 | - | - | - | - | - | - | - | - | - | — | Pump On |
| 1356 | NM | 2.0 | 4 | 18.38 | 0.924 | 6.53 | 0.09 | 0.03 | 112.0 | — | Clear |
| 1358 | NM | 4 gpm | — | 20.29 | 0.988 | 7.20 | 0.40 | 0.03 | 94.0 | — | " |
| 1400 | NM | ↓ | — | 21.81 | 0.998 | 7.66 | 0.34 | 0.03 | 87.2 | — | " |
| 1402 | NM | | — | 21.91 | 1.005 | 7.82 | 0.25 | 0.03 | 78.0 | — | " |
| 1404 | NM | | — | 21.69 | 0.999 | 7.99 | 0.73 | 0.03 | 70.8 | — | " |
| 1405 | NM | | — | 21.47 | 0.992 | 7.90 | 1.31 | 0.03 | 68.3 | — | " |
| 1406 | NM | | — | 21.34 | 0.990 | 7.93 | 0.48 | 0.03 | 67.9 | — | " |
| 1407 | NM | ↓ | 48 | 21.28 | 0.987 | 7.97 | 0.32 | 0.03 | 67.6 | — | " |
| | | | | | | | | | | | |
| 1410 | Collect | CRCP-Buchheit-020 | | | | | | | | | |
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| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.45 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 11/29/11

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak

Well Identification: Glass Well

Initial Water Level (ft, BTOC): 47.28 (from top concrete lid)

Well Diameter: 30 inches

Well Depth (ft, BTOC): 47.50

Screen Interval:

Well Volume:

Pump/Purging Device:

Pump Intake Depth: None

Sample Time:

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | - | - | - | - | - | - | - | - | - | | Pump On |
| | | Too little well volume to collect sample. | | | | | | | | | |
| | | No sample collected. | | | | | | | | | |
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| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 11/30/11
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak
Well Identification: Holweger well
Initial Water Level (ft, BTOC): 32.60
Well Diameter: 5 inches
Well Depth (ft, BTOC): 39.75
Screen Interval: Unknown
Well Volume: 7.15' x 1.02 = 7.3 gal
Pump/Purging Device: Private pump
Pump Intake Depth: Unknown
Sample Time: 1210
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gpm) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1149 | - | - | - | - | - | - | - | - | - | | Pump On |
| 1151 | 32.64 | 3.0 | — | 18.04 | 0.907 | 7.82 | 0.34 | 0.15 | 36.6 | — | Clear |
| 1153 | 32.64 | " | — | 20.39 | 0.943 | 7.94 | <10 | 0.15 | 38.3 | — | Negative turbidity. Very clear |
| 1155 | 32.63 | " | — | 21.11 | 0.967 | 7.97 | <10 | 0.11 | 37.7 | — | water. <10 NTU |
| 1157 | 32.64 | " | — | 21.30 | 0.974 | 8.00 | <10 | 0.07 | 36.8 | — | " |
| 1159 | 32.66 | " | — | 21.33 | 0.978 | 8.03 | <10 | 0.05 | 36.6 | — | " |
| 1201 ~~1202~~ | 32.64 | ↓ | 36 | 21.32 | 0.982 | 8.01 | <10 | 0.04 | 38.5 | — | " |
| | | | | | | | | | | | |
| 1210 | Collect CRCP-Holweger-023 | | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

85747068

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 11/30/11

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak

Well Identification: NTN well 2

Initial Water Level (ft, BTOC): 31.80 (gauged at NTN well 2)

Well Diameter: 18 inches

Well Depth (ft, BTOC):

Screen Interval:

Well Volume:

Pump/Purging Device: Private well

Pump Intake Depth: Unknown

Sample Time: 0930

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 906 | - | - | - | - | - | - | - | - | - | — | Pump On |
| 908 | 36.92 | ~40 | — | 18.94 | 1.520 | 6.62 | 3.32 | 0.04 | 100.7 | — | |
| 910 | 36.90 | ↓ | — | 18.85 | 1.517 | 6.70 | 7.80 | 0.05 | 101.6 | — | |
| 912 | 36.90 | | — | 19.37 | 1.526 | 7.28 | 3.39 | 0.05 | 97.4 | — | |
| 914 | 36.92 | | — | 20.04 | 1.549 | 7.55 | 8.50 | 0.05 | 95.8 | — | |
| 916 | 36.92 | | — | 20.24 | 1.550 | 7.84 | 6.72 | 0.05 | 92.1 | — | |
| 918 | 36.92 | | — | 20.36 | 1.541 | 8.03 | 7.31 | 0.05 | 90.4 | — | |
| 920 | 36.92 | | — | 20.45 | 1.554 | 8.26 | 8.23 | 0.05 | 87.9 | — | pH = 6.77 (using Mettler Toledo pH meter) |
| 922 | 36.92 | | — | 20.63 | 1.559 | 8.33 | 6.21 | 0.05 | 85.4 | — | = 6.81 |
| 924 | 36.92 | | ~600 | 20.69 | 1.558 | 8.32 | 6.26 | 0.05 | 84.1 | — | = 6.85 |
| | | | | | | | | | | | |
| 930 | Collect | CRCP-NTNW2-020 | | | | | | | | | |
| | | CRCP-NTNW2-021 | | | | | | | | | (DUP) |
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| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 11/29/11

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak

Well Identification: Wisian Well 1

Initial Water Level (ft, BTOC): 50.56

Well Diameter: 8 inches

Well Depth (ft, BTOC): 65.10

Screen Interval:

Well Volume: 14.54' x 2.61 = 37.9 gal

Pump/Purging Device: Submersible pump

Pump Intake Depth: Unknown

Sample Time: 1200

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | (L) Volume Purged ~~(gal)~~ | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1139 | - | - | - | - | - | - | - | - | - | — | Pump On |
| 1142 | 50.56 | 210 | — | 21.72 | 0.852 | 7.57 | 10.96 | 0.05 | -15.8 | — | Clear |
| 1145 | 50.56 | 210 | — | 22.19 | 0.859 | 7.99 | 5.95 | 0.05 | -25.0 | — | " |
| 1148 | 50.56 | 240 | — | 22.26 | 0.861 | 8.14 | 3.7 | 0.05 | -28.1 | — | " |
| 1151 | 50.56 | 245 | 6.5L | 22.27 | 0.863 | 8.27 | 4.15 | 0.05 | -32.1 | — | " pH=6.79 |
| 1154 | 50.56 | 300 | 9L | 22.32 | 0.863 | 8.37 | 1.65 | 0.05 | -35.0 | — | " pH=6.84 |
| 1157 | 50.56 | 300 | 10.5L | 22.32 | 0.860 | 8.38 | 0.55 | 0.05 | -35.7 | — | pH=6.84 |
| | | | | | | | | | | | |
| 1200 | Collect CRCP-Wisian W1-020 | | | | | | | | | | |
| 1210 | Collect CRCP-Wisian W1-025 | | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 11/29/11

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts, Kevin Pasternak

Well Identification: Wisian Well 2

Initial Water Level (ft, BTOC): 45.50

Well Diameter: 6 inches

Well Depth (ft, BTOC): 62.18

Screen Interval:

Well Volume: 16.68' x 1.47 = 24.5 gal

Pump/Purging Device: Submersible pump

Pump Intake Depth: ~50' from top of casing (marked on tubing w/ black marker)

Sample Time: 1420

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | (L) Volume Purged ~~(gal)~~ | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORPI (mV) | TDS (mg/L) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1402 | - | - | - | - | - | - | - | - | - | — | Pump On |
| 1405 | 45.50 | 160 | — | 21.80 | 1.031 | 7.88 | 5.58 | 0.06 | 12.5 | — | Clear |
| 1408 | 45.50 | 230 | ~3.5 | 22.07 | 1.041 | 7.93 | 7.22 | 0.04 | 3.6 | — | " |
| 1411 | 45.50 | 240 | ~5.0 | 22.21 | 1.046 | 7.95 | 6.57 | 0.04 | -0.5 | — | " |
| 1414 | 45.50 | 250 | ~7.0 | 22.34 | 1.056 | 7.93 | 2.54 | 0.03 | -4.6 | — | " |
| 1417 | 45.50 | 290 | ~8.5 | 22.27 | 1.058 | 7.93 | 2.61 | 0.03 | -6.0 | — | " |
| | | | | | | | | | | | |
| 1420 | Collect | CRCP-WisianW2-020 | | | | | | | | | |
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| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 1/5/12

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts

Well Identification: 58522 (Edgar)

Initial Water Level (ft, BTOC): 39.34

Well Diameter: 4 inches

Well Depth (ft, BTOC): 56.36

Screen Interval: Unknown

Well Volume: 17.02' x 0.65 = 11.06 gal

Pump/Purging Device: Private pump

Pump Intake Depth: Unknown

Sample Time: 1250

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft-BTOC) | Purge Rate ~~(mL/min)~~ (gal/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments: Using dedicated garden hose connected to spigot |
|---|---|---|---|---|---|---|---|---|---|---|
| 1231 | - | - | - | - | - | - | - | - | - | Pump On |
| 1233 | 39.36 | 1.25 | - | 21.55 | 1.243 | 7.27 | 0.49 | 0.04 | 64.3 | pH on Toledo = 6.88 |
| 1235 | 39.36 | 1.25 | - | 21.57 | 1.244 | 7.55 | 0.41 | 0.04 | 57.4 | " " " = 6.76 |
| 1237 | 39.36 | 1.25 | - | 21.58 | 1.244 | 7.69 | 0.20 | 0.03 | 52.9 | " " " = 6.72 |
| 1239 | 39.36 | 1.25 | - | 21.57 | 1.244 | 7.72 | 0.11 | 0.03 | 51.8 | " " " = 6.66 |
| 1241 | 39.36 | 1.25 | 12.5 | 21.57 | 1.244 | 7.73 | 0.00 | 0.03 | 50.5 | " " " = 6.65 |
| 1243 | 39.36 | 1.25 | 15.0 | 21.58 | 1.244 | 7.74 | 0.06 | 0.03 | 48.9 | " " " = 6.64 |
| | | | | | | | | | | |
| 1250 | Collect | CRCP-58522-0301 | | | | | | | | |
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| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 1/5/12
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts
Well Identification: 221049 (Sarah King)
Initial Water Level (ft, BTOC): 32.79
Well Diameter: 5 inches
Well Depth (ft, BTOC): 43.98
Screen Interval: Unknown
Well Volume: 11.19' x 1.02 = 11.41 gal
Pump/Purging Device: Private pump
Pump Intake Depth: Unknown
Sample Time: 830
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| | Time | Water Level (ft BTOC) | Purge Rate (mL/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 811 | - | - | - | - | - | - | - | - | - | Pump On |
| 10" | 813 | 32.83 | 10 | 20 | 13.06 | 0.620 | 5.73 | 7.66 | 0.10 | 97.5 | |
| 10" | 815 | 32.83 | 10 | 40 | 14.80 | 0.650 | 6.31 | 8.15 | 0.07 | 90.9 | |
| 10" | 817 | 32.83 | 10 | 60 | 16.17 | 0.672 | 6.74 | 8.25 | 0.06 | 84.7 | pH on Toledo = 6.74 |
| | 819 | 32.83 | 10 | 80 | 17.68 | 0.697 | 7.00 | 12.2 | 0.05 | 78.1 | " " " = 6.71 |
| | 821 | 32.83 | 10 | 100 | 18.70 | 0.711 | 7.20 | 12.2 | 0.05 | 73.3 | " " " = 6.67 |
| | 823 | 32.83 | 10 | 120 | 19.29 | 0.725 | 7.37 | 12.3 | 0.05 | 69.1 | " " " = 6.65 |
| | 825 | 32.83 | 10 | 140 | 19.82 | 0.732 | 7.47 | 12.4 | 0.05 | 66.5 | " " " = 6.62 |
| | 827 | 32.83 | 10 | 160 | 20.13 | 0.737 | 7.59 | 12.2 | 0.05 | 62.9 | " " " = 6.61 |
| | | | | | | | | | | | |
| | 830 | Collect CRCP-221049-030 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: **Travis County - Colorado River Corridor Plan**

Date: 1/4/12

Location: **Austin, TX**

Field Personnel: **Kim Nguyen, Arthur Potts**

Well Identification: 5852213 (TX1)

Initial Water Level (ft, BTOC): 29.30

Well Diameter: 5 **inches**

Well Depth (ft, BTOC): 36.38

Screen Interval: Unknown

Well Volume: 7.08' x 1.02 = 7.22 gal

Pump/Purging Device: Submersible pump

Pump Intake Depth: ~3' from bottom

Sample Time: 1525

Analyses/Notes: **Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)**

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | (L) Volume Purged ~~(gal)~~ | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1510 | 29 (fw) | - | - | - | - | - | - | - | - | Pump On |
| 1512 | ~~30~~.50 | 370 | 0.74 | 21.05 | 0.938 | 11.23 | 14.5 | 0.04 | -244.1 | pH on Toledo = 6.60 |
| 1514 | 29.44 | 370 | 1.48 | 20.92 | 0.939 | 11.41 | 14.1 | 0.04 | -233.3 | " " " = 6.64 |
| 1516 | 29.48 | 370 | 2.22 | 21.02 | 0.945 | 11.39 | 11.7 | 0.03 | -224.4 | " " " = 6.67 |
| 1518 | 29.47 | 300 | 2.82 | 21.09 | 0.952 | 11.35 | 12.7 | 0.03 | -222.2 | " " " = 6.62 |
| 1520 | 29.42 | 300 | 3.42 | 21.23 | 0.955 | 11.17 | 10.12 | 0.03 | -220.5 | " " " = 6.60 |
| 1522 | 29.42 | 300 | 4.02 | 21.44 | 0.960 | 10.92 | 8.62 | 0.03 | -210.9 | " " " = 6.56 |
| | | | | | | | | | | |
| 1525 | Collect CRCP-5852213-030 1 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

1035

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 1/4/12
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts
Well Identification: 5852314 (Mansville WSC)
Initial Water Level (ft, BTOC): 41.63 (after pump shutoff initially)
Well Diameter: ◯ inches
Well Depth (ft, BTOC): 60.00
Screen Interval: Unknown
Well Volume: 18.37' x
Pump/Purging Device: Private pump
Pump Intake Depth: Unknown
Sample Time: 1115
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) (mL/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1059 | - | - | - | - | - | - | - | - | - | Pump On |
| 1101 | 48.19 | 365 | — | 20.85 | 1.352 | 7.65 | — | 0.36 | 160.6 | |
| 1103 | 48.38 | 365 | — | 20.86 | 1.352 | 6.37 | 2.1 | 0.37 | 157.1 | pH read w/ Mettler Toledo |
| 1105 | 48.40 | 365 | — | 20.83 | 1.350 | 6.46 | 0.59 | 0.37 | 150.0 | " " " " " |
| 1107 | 48.42 | 365 | — | 20.83 | 1.349 | 6.50 | 0.19 | 0.32 | 143.7 | " " " " " |
| 1109 | 48.46 | 365 | — | 20.83 | 1.349 | 6.53 | 0.00 | 0.28 | 134.5 | " " " " " |
| 1111 | 48.50 | 365 | 4380 | 20.84 | 1.349 | 6.54 | — | 0.26 | 130.7 | " " " " " |
| | | | | | | | | | | |
| 1115 | Collect CRCP-5852314-030 | | | | | | | | | |

Takes ~20 minutes for WL to stabilize initially once pump is turned off

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 1/5/12
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts
Well Identification: ATF Well 1
Initial Water Level (ft, BTOC): 28.16
Well Diameter: 16 inches
Well Depth (ft, BTOC): 50.58
Screen Interval: Unknown
Well Volume: 22.42' x 10.44 = 234.06 gal
Pump/Purging Device: Private pump
Pump Intake Depth: Unknown
Sample Time: 950 @ faucet
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) (gal/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 929 | - | - | - | - | - | - | - | - | - | Pump On |
| 931 | 43.80 | 4 | 8 | 21.28 | 1.606 | 7.38 | 3.63 | 0.09 | 14.9 | |
| 933 | 44.12 | 4 | 16 | 21.34 | 1.609 | 7.33 | 1.21 | 0.07 | 13.3 | pH on Toledo = 6.54 |
| 935 | 44.14 | 4 | 24 | 21.42 | 1.612 | 7.68 | 0.53 | 0.06 | 12.9 | " " " = 6.50 |
| 937 | 44.16 | 4 | (FW) 30 32 | 21.45 | 1.611 | 7.91 | 0.37 | 0.04 | 12.8 | " " " = 6.46 |
| 939 | 44.12 | 4 | (FW) 40 | 21.46 | 1.610 | 7.97 | 0.09 | 0.04 | 12.7 | " " " = 6.41 |
| 941 | 44.10 | 4 | 48 | 21.47 | 1.609 | 8.03 | 0.16 | 0.04 | 11.7 | " " " = 6.40 |
| 943 | 44.22 | 4 | 56 | 21.49 | 1.609 | 8.07 | 0.10 | 0.03 | 10.6 | " " " = 6.38 |
| | | | | | | | | | | |
| 950 | Collect CRCP-ATF1-030 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 1/5/12
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts
Well Identification: Holweger well
Initial Water Level (ft, BTOC): 32.26
Well Diameter: 5 inches
Well Depth (ft, BTOC): 39.75
Screen Interval: Unknown
Well Volume: 7.49' x 1.02 = 7.64 gal
Pump/Purging Device: Private pump
Pump Intake Depth: Unknown
Sample Time: 1145
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1126 | - | - | - | - | - | - | - | - | - | Pump On |
| 1128 | 32.30 | 3 | 6 | 20.07 | 0.865 | 6.97 | 0.25 | 0.05 | 87.5 | pH on Toledo = 7.35 |
| 1130 | 32.30 | 3 | 12 | 20.79 | 0.881 | 7.48 | 0.18 | 0.04 | 72.4 | " " " = 7.12 |
| 1132 | 32.31 | 3 | 18 | 21.19 | 0.894 | 7.79 | 0.00 | 0.04 | 63.0 | " " " = 6.92 |
| 1134 | 32.30 | 3 | 24 | 21.39 | 0.903 | 8.03 | 0.00 | 0.04 | 54.8 | " " " = 6.86 |
| 1136 | 32.30 | 3 | 30 | 21.51 | 0.908 | 8.20 | 0.00 | 0.04 | 49.9 | " " " = 6.81 |
| 1138 | 32.30 | 3 | 36 | 21.54 | 0.910 | 8.23 | 0.00 | 0.04 | 48.4 | " " " = 6.76 |
| 1140 | 32.30 | 3 | 42 | 21.56 | 0.912 | 8.30 | 0.00 | 0.04 | 46.0 | " " " = 6.74 |
| | | | | | | | | | | |
| 1145 | Collect CRCP-Holweger-033 | | | | | | | | | |
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| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 1/5/12
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts
Well Identification: Buchheit well
Initial Water Level (ft, BTOC): 26.52
Well Diameter: 4 inches
Well Depth (ft, BTOC): 30.75
Screen Interval: Unknown
Well Volume: ~~3~~ 4.23' x 0.65 = 2.75 gal
Pump/Purging Device: Private pump
Pump Intake Depth: Unknown
Sample Time: 1215
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1157 | - | - | - | - | - | - | - | - | - | Pump On |
| 8.25" 1159 | 26.69 | 2 | 4 | 19.72 | 0.949 | 7.84 | — | 0.07 | 64.0 | pH on Toledo = 6.96 |
| 7.5" 1201 | 26.69 ~~96~~ 69 | 2 | 8 | 20.83 | 0.971 | 7.87 | 0.39 | 0.05 | 65.7 | " " " = 6.81 |
| 7.5" 1203 | 26.62 | 2 | 12 | 21.35 | 0.963 | 7.76 | 0.39 | 0.04 | 68.7 | " " " = 6.68 |
| 6" 1205 | 26.50 | 2 | 16 | 21.55 | 0.988 | 7.86 | 0.13 | 0.04 | 68.9 | " " " = 6.64 |
| 6.5" 1207 | 26.54 | 2 | 20 | 21.45 | 0.986 | 7.89 | 0.24 | 0.04 | 70.2 | " " " = 6.62 |
| 6.25" 1209 | 26.52 | 2 | 24 | 21.40 | 0.985 | 7.87 | 0.12 | 0.03 | 70.9 | " " " = 6.60 |
| | | | | | | | | | | |
| 1215 | Collect CRCP-Buchheit-030 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

1/5/12 1000 NTN Well 1: DTW = 29.36' BTOC
TD = 36.19' BTOC

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 1/5/12
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts
Well Identification: NTN Well 2
Initial Water Level (ft, BTOC): 31.38
Well Diameter: 18 inches
Well Depth (ft, BTOC): 40.77
Screen Interval: Unknown
Well Volume: 9.39' x 13.21 = 124.04 gal
Pump/Purging Device: Private pump
Pump Intake Depth: Unknown
Sample Time: 1040
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1021 | - | - | - | - | - | - | - | - | - | Pump On |
| 1023 | 36.88 | 375 | — | 20.98 | 1.607 | 6.42 | 0.13 | 0.05 | 78.5 | pH on Toledo = 6.97 |
| 1025 | 36.88 | 375 | — | 21.31 | 1.617 | 7.44 | 0.08 | 0.05 | 60.4 | " " " = 6.88 |
| 1027 | 36.89 | 375 | — | 21.36 | 1.616 | 7.86 | 3.76 | 0.05 | 54.2 | " " " = 6.80 |
| 1029 | 36.89 | 375 | — | 21.38 | 1.615 | 8.26 | 0.00 | 0.05 | 46.8 | " " " = 6.77 |
| 1031 | 36.88 | 375 | — | 21.38 | 1.617 | 8.42 | 5.41 | 0.05 | 43.4 | " " " = 6.76 |
| 1033 | 36.89 | 375 | 4500 | 21.43 | 1.616 | 8.61 | 3.60 | 0.05 | 39.0 | = 6.74 |
| | | | | | | | | | | |
| 1040 | Collect | CRCP-NTNW2-0307 | | | | | | | | |
| | | CRCP-NTNW2-0311 (DUP) | | | | | | | | |

Purge rate was provided by Emily Brown

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 1/4/12
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts
Well Identification: Wisian Well 1
Initial Water Level (ft, BTOC): 50.64
Well Diameter: 8 inches
Well Depth (ft, BTOC): 65.10
Screen Interval: Unknown
Well Volume: 4.46' x 2.61 = 11.64 gal
Pump/Purging Device: Submersible pump
Pump Intake Depth: ~52' BTOC
Sample Time: 1355 / 1410 (EB)
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | (L) Volume Purged ~~(gal)~~ | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1339 | - | - | - | - | - | - | - | - | - | Pump On |
| 1341 | 50.64 | 340 | 0.78 | 21.89 | 0.836 | 8.49 | 0.88 | 0.07 | 78.7 | pH on Toledo = 6.52 |
| 1343 | 50.64 | 340 | 1.56 | 22.03 | 0.837 | 8.53 | 0.86 | 0.07 | 78.1 | |
| 1345 | 50.65 | 340 | 2.34 | 22.09 | 0.838 | 8.57 | — | 0.07 | 76.4 | pH on Toledo = 6.77 |
| 1347 | 50.65 | 340 | 3.12 | 22.07 | 0.838 | 8.56 | 0.80 | 0.07 | 74.6 | " " " = 6.73 |
| 1349 | 50.65 | 340 | 4.90 | 22.20 | 0.839 | 8.58 | 0.79 | 0.07 | 73.5 | " " " = 6.76 |
| 1351 | 50.65 | 340 | 5.68 | 22.17 | 0.840 | 8.57 | 0.65 | 0.07 | 72.5 | " " " = 6.77 |
| | | | | | | | | | | |
| 1355 | Collect CRCP-WisianW1-030 | | | | | | | | | |
| 1410 | Collect CRCP-WisianW1-035 | | | | | | (Equip Blank) | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 1/4/12

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts

Well Identification: Wisian Well 2

Initial Water Level (ft, BTOC): 45.54

Well Diameter: 6 inches

Well Depth (ft, BTOC): 62.18

Screen Interval: Unknown

Well Volume: 16.64' x 1.47 = 24.5 gal

Pump/Purging Device: Submersible pump

Pump Intake Depth: ~50' BTOC

Sample Time: 1250

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | Volume Purged (L) ~~(gal)~~ | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1237 | 45.54 | - | - | - | - | - | - | - | - | Pump On |
| 1239 | 45.54 | 300 | 0.6 | 22.28 | 1.013 | 8.23 | 0.70 | 0.22 | 77.0 | |
| 1241 | 45.54 | 520 | 1.64 | 22.55 | 1.024 | 8.08 | 0.39 | 0.14 | 73.6 | pH on Mettler-Toledometer=6.836 |
| 1243 | 45.54 | 520 | 2.68 | 22.56 | 1.026 | 8.06 | 0.10 | 0.12 | 71.6 | |
| 1245 | 45.54 | 520 | 3.72 | 22.57 | 1.031 | 8.02 | 0.16 | 0.11 | 69.8 | pH on Mettler-Toledometer=6.68 |
| 1247 | 45.54 | 520 | 4.76 | 22.50 | 1.035 | 7.96 | 0.28 | 0.10 | 66.4 | " " " " " =6.75 |
| 1249 | 45.54 | 520 | 5.80 | 22.47 | 1.037 | 7.92 | 0.28 | 0.09 | 64.6 | " " " " " =6.73 |
| | | | | | | | | | | |
| 1250 | Collect CRCP-WISIAN2-030 | | | | | | | | | |
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| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 2/15/12
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts
Well Identification: 58522 (Edgar)
Initial Water Level (ft, BTOC): 38.70
Well Diameter: 4 inches.
Well Depth (ft, BTOC): 56.36
Screen Interval: Unknown
Well Volume: 17.66' x 0.65 = 11.5 gal
Pump/Purging Device: Private pump
Pump Intake Depth: Unknown
Sample Time: 1350
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1328 | - | - | - | - | - | - | - | - | - | Pump On |
| 1330 | 38.84 | 2.5 | - | 22.20 | 1.231 | 7.90 | 0.56 | 11.41 | -41.2 | pH on MettlerToledo = 6.78 |
| 1332 | 38.82 | 2.5 | - | 22.10 | 1.229 | 7.90 | 0.36 | 6.35 | -43.2 | " " " " = 6.73 |
| 1334 | 38.70 | 2.5 | - | 22.08 | 1.228 | 7.83 | 0.70 | 5.65 | -44.5 | " " " " = 6.71 |
| 1336 | 38.70 | 2.5 | - | 22.05 | 1.229 | 7.78 | 0.79 | 4.71 | -47.8 | " " " " = 6.65 |
| 1338 | 38.70 | 2.5 | - | 22.05 | 1.229 | 7.75 | 1.24 | 4.46 | -49.1 | " " " " = 6.64 |
| 1340 | 38.70 | 2.5 | - | 22.05 | 1.229 | 7.71 | 1.01 | 4.25 | -41.2 | " " " " = 6.60 |
| 1343 | 38.70 | 2.5 | - | 22.06 | 1.230 | 7.68 | 1.11 | 4.07 | -35.3 | " " " " = 6.58 |
| 1346 | 38.70 | 2.5 | 45 | 22.06 | 1.230 | 7.65 | 1.20 | ~~3~~4.95 | -33.2 | " " " " = 6.57 |
| | | | | | | | | | | |
| 1350 | Collect CRCP-58522-040 | | | | | | | | | Sample ~~for dedicated~~ from spigot ~~garden hose~~ (KN) |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 2/15/12

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts

Well Identification: 5852213 (TX1)

Initial Water Level (ft, BTOC): 28.62

Well Diameter: 5 inches

Well Depth (ft, BTOC): 36.38

Screen Interval: Unknown

Well Volume: 7.76' x 3.86 = 29.95 L

Pump/Purging Device: Submersible pump

Pump Intake Depth: ~3' from bottom

Sample Time: 1020

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | (L) Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1007 | - | - | - | - | - | - | - | - | - | Pump On |
| 1009 | 28.72 | 275 | - | 19.37 | 0.876 | 7.40 | 2.09 | 8.64 | -232.1 | pH on Mettler Toledo = 6.75 ; Sulfur odor |
| 1011 | 28.74 | 275 | - | 19.45 | 0.883 | 7.33 | 2.64 | 6.98 | -237.7 | " " " " =6.75 |
| 1013 | 28.74 | 275 | - | 19.60 | 0.889 | 7.30 | 1.81 | 6.08 | -240.4 | " " " " =6.72 |
| 1015 | 28.73 | 275 | - | 19.72 | 0.894 | 7.30 | 1.43 | 5.33 | -229.4 | " " " " =6.70 |
| 1017 | 28.73 | 275 | - | 19.75 | 0.897 | 7.29 | 1.63 | 5.04 | -237.7 | " " " " =6.68 |
| 1019 | 28.73 | 275 | 330 | 19.77 | 0.898 | 7.28 | - | 4.76 | -224.6 | " " " " =6.66 |
| | | | | | | | | | | |
| 1020 | Collect CRCP-5852213-040 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 2/16/12
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts
Well Identification: 5852314 (Mansville WSC)
Initial Water Level (ft, BTOC): 37.26
Well Diameter: 12 inches
Well Depth (ft, BTOC): 60.00
Screen Interval: Unknown
Well Volume: 22.74' x
Pump/Purging Device: Private pump
Pump Intake Depth: Unknown
Sample Time: 1020
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1003 | 42.00 | - | - | - | - | - | - | - | - | Pump On Sand accumulating in bucket |
| 1005 | ~~37.20~~ | ~340 | - | 20.15 | 1.293 | 6.52 | 17.2 | 8.68 | 75.0 | pH on Mettler Toledo = 6.99 |
| 1007 | 42.16 | ~340 | - | 20.44 | 1.310 | 6.83 | 10.57 | 6.67 | 60.1 | " " " " =6.86 |
| 1009 | 42.26 | ~340 | - | 20.50 | 1.318 | 6.99 | 5.92 | 6.32 | 58.3 | " " " " =6.83 |
| 1011 | 42.37 | ~340 | - | 20.54 | 1.326 | 7.15 | 2.94 | 5.86 | 56.5 | " " " " =6.76 |
| 1013 | 42.42 | ~340 | ~3,400 | 20.57 | 1.329 | 7.25 | 1.73 | 5.62 | 56.0 | " " " " =6.74 |
| 1015 | 42.50 | ~340 | - | 20.58 | 1.331 | 7.29 | 1.16 | 5.46 | 55.5 | " " " " =6.73 |
| 1017 | 42.54 | ~340 | ~4,760 | 20.59 | 1.332 | 7.34 | 1.16 | 5.30 | 54.7 | " " " " =6.72 |
| | | | | | | | | | | |
| 1020 | Collect CRCP-5852314-040 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 2/15/12
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts
Well Identification: 221049 (Sarah King)
Initial Water Level (ft, BTOC): 31.67'
Well Diameter: 5 inches
Well Depth (ft, BTOC): 43.98'
Screen Interval: Unknown
Well Volume: 12.31' x 1.02 = 12.6 gal
Pump/Purging Device: Private pump
Pump Intake Depth: Unknown
Sample Time: 1445
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 8" @ 1419 | - | - | - | - | - | - | - | - | - | Pump On |
| 7 3/4" 1421 | 31.65 | 2.0 | - | 17.97 | 0.692 | 7.32 | 4.11 | 7.43 | 79.3 | pH on Mettler Toledo = 7.35 |
| 7 3/4" 1423 | 31.65 | 2.0 | - | 18.33 | 0.697 | 7.27 | 3.58 | 6.65 | 82.2 | " " " " = 7.29 |
| 1425 | 31.65 | 2.0 | - | 18.81 | 0.704 | 7.25 | 3.62 | 6.08 | 83.9 | " " " " = 7.11 |
| 1427 | 31.67 | 2.0 | - | 19.25 | 0.711 | 7.25 | 3.89 | 5.81 | 84.2 | " " " " = 7.00 |
| 7 1/2" 1430 | 31.63 | 2.0 | - | 19.63 | 0.718 | 7.28 | 3.89 | 5.64 | 84.1 | " " " " = 6.93 |
| 1433 | 31.65 | 2.0 | - | 20.09 | 0.725 | 7.33 | 4.74 | 5.50 | 83.6 | " " " " = 6.84 |
| 1436 | 31.65 | 2.0 | - | 20.37 | 0.730 | 7.37 | 5.03 | 5.42 | 83.0 | " " " " = 6.81 |
| 1439 | 31.65 | 2.0 | 40 gal | 20.62 | 0.734 | 7.39 | 5.29 | 5.42 | 82.8 | " " " " = 6.80 |
| | | | | | | | | | | |
| 1445 | Collect CRCP-221049-040 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 2/15/12
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts
Well Identification: ATF Well 1
Initial Water Level (ft, BTOC): 26.81
Well Diameter: 16 inches
Well Depth (ft, BTOC): 50.58
Screen Interval: Unknown
Well Volume: 23.77' x 10.44 = 248.2 gal
Pump/Purging Device: Private pump
Pump Intake Depth: Unknown
Sample Time: 0920
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | gal/min Purge Rate (mL/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 0906 | - | - | - | - | - | - | - | - | - | Pump On |
| 0908 | 42.44 | 2.75 | — | 21.40 | 1.604 | 7.26 | 3.13 | 8.47 | 40.5 | pH on Mettler-Toledo = 6.60 |
| 0910 | 42.38 | — | - | 21.45 | 1.599 | 7.34 | 1.06 | 8.38 | 38.0 | " " " " = 6.58 |
| 0912 | 42.37 | — | - | 21.46 | 1.597 | 7.38 | 0.68 | 6.34 | 37.7 | " " " " = 6.56 |
| 0914 | 42.38 | — | - | 21.47 | 1.602 | 7.39 | 2.22 | 6.44 | 38.3 | " " " " = 6.55 |
| 0916 | 42.40 | — | 27.5 | 21.48 | 1.599 | 7.41 | 1.44 | 6.10 | 39.0 | " " " " = 6.52 |
| | | | | out of spigot | | | | | | |
| 0920 | Collect CRCP-ATF1-040 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 2/16/12

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts

Well Identification: Buchheit well

Initial Water Level (ft, BTOC): 25.96

Well Diameter: 4 inches

Well Depth (ft, BTOC): 30.75

Screen Interval: Unknown

Well Volume: 4.79' x 0.65 = 3.11 gal

Pump/Purging Device: Private pump

Pump Intake Depth: Unknown

Sample Time: 0850

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 0826 | - | - | - | - | - | - | - | - | - | Pump On |
| 0828 | 25.96 | 1.5 | 3.0 | 18.53 | 0.887 | 5.97 | 0.55 | 13.84 | 168.5 | pH on Mettler Toledo = 6.76 |
| 0830 | 25.96 | 1.5 | 6.0 | 18.89 | 0.892 | 6.20 | 0.28 | 11.30 | 144.0 | " " " " =6.67 |
| 0832 | 25.96 | 1.5 | 9.0 | 19.09 | 0.898 | 6.45 | 0.08 | 10.03 | 131.3 | " " " " =6.65 |
| 0834 | 25.96 (94) | 1.5 | 12.0 | 19.22 | 0.901 | 6.61 | 0.11 | 9.16 | 122.4 | " " " " =6.61 |
| 0836 | 25.94 | 1.5 | 15.0 | 19.36 | 0.904 | 6.76 | 0.22 | 8.59 | 116.3 | " " " " =6.59; Pump kicked on |
| 0838 | 26.10 | 1.5 | 18.0 | 20.04 | 0.916 | 6.85 | 0.22 | 8.03 | 111.5 | " " " " =6.57 |
| 0840 | 25.96 | 1.5 | 21.0 | 20.64 | 0.929 | 6.97 | 0.72 | 7.71 | 104.5 | " " " " =6.56 |
| 0842 | 25.94 | 1.5 | 24.0 | 20.72 | 0.933 | 7.05 | 0.18 | 7.48 | 99.6 | " " " " =6.57 |
| 0844 | 25.94 | 1.5 | 27.0 | 20.66 | 0.932 | 7.10 | 0.33 | 7.34 | 97.1 | " " " " =6.57 |
| | | | | | | | | | | |
| 0850 | Collect CRCP-Buchheit-040 | | | | | | | | | |
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| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 2/16/12

Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts

Well Identification: Holweger well
Initial Water Level (ft, BTOC): 31.60

Well Diameter: 5 inches
Well Depth (ft, BTOC): 39.75

Screen Interval: Unknown
Well Volume: 8.15' x 1.02 = 8.3 gal

Pump/Purging Device: Private pump
Pump Intake Depth: Unknown

Sample Time: 0935
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 0916 | - | - | - | - | - | - | - | - | - | Pump On |
| 0918 | 31.62 | 1.25 | 2.5 | 19.45 | 0.783 | 6.63 | 0.53 | 9.36 | 114.5 | pH on MettlerToledo = 7.35 |
| 0920 | 31.62 | 1.25 | 5.0 | 20.00 | 0.793 | 6.78 | 0.40 | 7.62 | 102.0 | " " " " = 7.11 |
| 0922 | 31.62 | 1.25 | 7.5 | 20.63 | 0.807 | 6.96 | 0.55 | 6.73 | 91.0 | " " " " = 6.86 |
| 0924 | 31.62 | 1.25 | 10 | 20.98 | 0.814 | 7.10 | 0.55 | 6.50 | 86.1 | " " " " = 6.85 |
| 0926 | 31.62 | 1.25 | 12.5 | 21.13 | 0.817 | 7.14 | 0.48 | 6.44 | 83.3 | " " " " = 6.81 |
| 0928 | 31.62 | 1.25 | 15 | 21.36 | 0.823 | 7.21 | 0.50 | 6.36 | 80.0 | " " " " = 6.78 |
| 0930 | 31.62 | 1.25 | 17.5 | 21.45 | 0.826 | 7.27 | 0.92 | 6.33 | 77.1 | " " " " = 6.77 |
| 0932 | 31.62 | 1.25 | 20 | 21.56 | 0.829 | 7.31 | — | 6.29 | 75.5 | " " " " = 6.76 |
| | | | | | | | | | | |
| 0935 | Collect CRCP-Holweger-043 (MS/MSD) | | | | | | | | | |
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| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.82 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

NTN Well 1 - DTW - 28.15' BTOC @ 1055 on 2/16/12

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Date: 2/16/12

Location: Austin, TX

Field Personnel: Kim Nguyen, Arthur Potts

Well Identification: NTN Well 2

Initial Water Level (ft, BTOC): 31.58'

Well Diameter: 18 inches

Well Depth (ft, BTOC): 40.77'

Screen Interval: Unknown

Well Volume: 9.19' x 13.21 = 121.4 gal

Pump/Purging Device: Private pump

Pump Intake Depth: Unknown

Sample Time: 1145 at spigot/outfall

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1122 | - | - | - | - | - | - | - | - | - | Pump On |
| 1125 | 36.98 | ~15 | — | 21.52 | 1.647 | 7.01 | 0.16 | 6.69 | 60.5 | pH on Mettler Toledo = 6.88 |
| 1128 | 36.98 | ~15 | — | 21.57 | 1.649 | 7.18 | 6.32 | 7.08 | 57.4 | " " " " = 6.84 |
| 1131 | 36.98 | ~15 | — | 21.58 | 1.652 | 7.27 | 0.00 | 7.20 | 57.3 | " " " " = 6.83 |
| 1134 | 36.98 | ~15 | — | 21.59 | 1.659 | 7.34 | 0.06 | 7.20 | 57.3 | " " " " = 6.82 |
| 1137 | 36.98 | ~15 | — | 21.59 | 1.660 | 7.36 | 0.53 | 7.20 | 57.7 | " " " " = 6.82 |
| 1140 | 36.98 | ~15 | 270 (at spigot) | 21.60 | 1.663 | 7.38 | 4.40 | 7.18 | 57.9 | " " " " = 6.82 |
| | | | | | | | | | | |
| 1145 | Collect | CRCP-NTNW2-040 | | | | | | | | |
| | | CRCP-NTNW2-041 | | | | | | | | |

11 3/4'
11 3/4'
11 3/4'

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 2/15/12
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts
Well Identification: Wisian Well 1
Initial Water Level (ft, BTOC): 50.06
Well Diameter: 8 inches
Well Depth (ft, BTOC): 65.10
Screen Interval: Unknown
Well Volume: 15.04' x 9.88 = 148.6 L
Pump/Purging Device: Submersible pump
Pump Intake Depth: ~52' BTOC
Sample Time: 1120
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | (L) Volume Purged ~~(gal)~~ | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1105 | - | - | - | - | - | - | 1.33 | - | - | Pump On |
| 1107 | 50.07 | 450 | - | 21.67 | 0.815 | 7.58 | ~~7.09~~ (A) | 9.03 | -47.9 | pH on Mettler Toledo = 7.09 |
| 1109 | 50.07 | 450 | - | 22.02 | 0.818 | 7.53 | 0.52 | 6.42 | -39.2 | " " " " = 7.03 |
| 1111 | 50.07 | 450 | - | 22.29 | 0.824 | 7.56 | 0.25 | 6.01 | -37.0 | " " " " = 6.98 |
| 1113 | 50.07 | 450 | - | 22.23 | 0.824 | 7.55 | 0.25 | 5.89 | -35.0 | " " " " = 6.88 |
| 1115 | 50.07 | 450 | - | 22.23 | 0.824 | 7.54 | 0.25 | 5.81 | -33.0 | " " " " = 6.87 |
| 1117 | 50.07 | 450 | 5.40 | 22.20 | 0.823 | 7.57 | 0.34 | 5.75 | -31.7 | " " " " = 6.84 |
| | | | | | | | | | | |
| 1120 | Collect CRCP-WisianW1-040 | | | | | | | | | |
| 1135 | Collect CRCP-WisianW1-045 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: **Travis County - Colorado River Corridor Plan**

Date: 2/15/12

Location: **Austin, TX**

Field Personnel: **Kim Nguyen, Arthur Potts**

Well Identification: Wisian Well 2

Initial Water Level (ft, BTOC): 45.20

Well Diameter: .6 **inches**

Well Depth (ft, BTOC): 62.18

Screen Interval: Unknown

Well Volume: 6.98' x 5.56 = 38.8 L

Pump/Purging Device: Submersible pump

Pump Intake Depth: ~50' BTOC

Sample Time: 1215

Analyses/Notes: **Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)**

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | (L) Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1159 | 45.21 | - | - | - | - | - | - | - | - | Pump On |
| 1201 | 45.22 | 350 | — | 22.98 | 1.060 | 7.72 | 0.75 | 6.61 | -0.4 | pH on Mettler-Toledo = 7.12 |
| 1203 | 45.22 | 350 | — | 22.77 | 1.058 | 7.64 | 1.21 | 5.26 | -7.9 | " " " " =6.89 |
| 1205 | 45.22 | 350 | — | 23.02 | 1.064 | 7.56 | 0.71 | 4.70 | -13.0 | " " " " =6.80 |
| 1207 | 45.22 | 350 | — | 23.05 | 1.063 | 7.52 | 0.64 | 4.49 | -16.9 | " " " " =6.76 |
| 1209 | 45.22 | 350 | - | 23.22 | 1.066 | 7.50 | 0.53 | 4.30 | -18.9 | " " " " =6.73 |
| 1211 | 45.22 | 350 | 4.2 | 23.20 | 1.064 | 7.49 | 0.53 | 4.26 | -21.2 | " " " " =6.70 |
| | | | | | | | | | | |
| 1215 | Collect CRCP-WisianW2-040 | | | | | | | | | |
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| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Location: Austin, TX

Well Identification: 58522 (Edgar)

Well Diameter: 4 inches.

Screen Interval: Unknown

Pump/Purging Device: Private pump

Sample Time: 1255

Date: 3/27/12

Field Personnel: Kim Nguyen, Arthur Potts

Initial Water Level (ft, BTOC): 38.54

Well Depth (ft, BTOC): 56.36

Well Volume: 17.82' x 0.65 = 11.6 gal

Pump Intake Depth: Unknown

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) (mL/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) * +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1223 | - | - | - | - | - | - | - | - | - | Pump On |
| 1225 | 38.54 | 1.5 | — | 22.35 | 1.266 | 7.15 | 1.09 | 6.37 | 98.3 | *pH measured on Mettler Toledo unit |
| 1227 | 38.79 | 1.5 | — | 22.28 | 1.264 | 7.11 | 0.47 | 4.99 | 79.2 | Water is clear |
| 1229 | 38.79 | 1.5 | 9 | 22.28 | 1.265 | 7.09 | 0.56 | 4.41 | 72.8 | |
| 1231 | 38.79 | 1.5 | — | 22.28 | 1.265 | 7.08 | 0.36 | 3.73 | 61.2 | |
| 1233 | 38.54 | 1.5 | — | 22.27 | 1.265 | 7.07 | 0.72 | 3.48 | 56.0 | |
| 1235 | 38.54 | 1.5 | 18 | 22.27 | 1.265 | 7.06 | 0.74 | 3.23 | 51.4 | |
| 1238 | 38.54 | 1.5 | — | 22.28 | 1.265 | 7.06 | 0.90 | 3.00 | 46.0 | |
| 1241 | 38.54 | 1.5 | 27 | 22.29 | 1.266 | 7.05 | 1.01 | 2.82 | 41.8 | |
| 1244 | 38.54 | 1.5 | — | 22.32 | 1.265 | 7.05 | 1.34 | 2.71 | 38.5 | |
| 1247 | 38.54 | 1.5 | 36 | 22.29 | 1.266 | 7.05 | 1.34 | 2.65 | 37.0 | |
| | | | | | | | | | | |
| 1255 | Collect CRCP-58522-050 | | | | | | | | | |
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| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 3/27/12
Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts
Well Identification: 221049 (Sarah King)
Initial Water Level (ft, BTOC): 31.29
Well Diameter: 5 inches
Well Depth (ft, BTOC): 43.98
Screen Interval: Unknown
Well Volume: 12.69' x 1.02 = 12.9 gal
Pump/Purging Device: Private pump
Pump Intake Depth: Unknown
Sample Time: 1330
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) * +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1304 | - | - | - | - | - | - | - | - | - | Pump On |
| 1306 | 31.29 | 1.5 | 3.0 | 20.75 | 0.641 | 7.69 | 1.84 | 8.56 | 82.5 | *pH measured on Mettler Toledo |
| 1309 | 31.29 | 2.25 | — | 20.83 | 0.759 | 7.87 | 2.16 | 7.42 | 90.4 | Water is clear |
| 1312 | 31.29 | 2.25 | — | 20.98 | 0.761 | 7.73 | 2.28 | 6.74 | 91.3 | Noticed pH meter not in water |
| 1315 | 31.29 | 2.25 | 23.25 | 21.13 | 0.764 | 7.20 | 2.28 | 6.38 | 92.0 | |
| 1318 | 31.29 | 2.25 | — | 21.32 | 0.767 | 7.14 | 3.20 | 5.97 | 90.1 | |
| 1321 | 31.29 | 2.25 | 36.75 | 21.49 | 0.770 | 7.12 | 3.30 | 5.72 | 88.8 | |
| 1324 | 31.29 | 2.25 | 43.50 | 21.59 | 0.771 | 7.11 | 4.02 | 5.48 | 87.5 | |
| | | | | | | | | | | |
| 1330 | Collect CRCP-221049-050 | | | | | | | | | |
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| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Date: 3/26/12

Location: Austin, TX
Field Personnel: Kim Nguyen, Arthur Potts

Well Identification: 5852213 (TX1)
Initial Water Level (ft, BTOC): 28.40

Well Diameter: 5 inches
Well Depth (ft, BTOC): 36.38

Screen Interval: Unknown
Well Volume: 7.98' x 1.02 = 8.14 gal

Pump/Purging Device: Submersible pump
Pump Intake Depth:

Sample Time: 1210
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

28 1/4"
28 3"

| Time | Water Level (ft BTOC) | Purge Rate (mL/min) | (L) Volume Purged ~~(gal)~~ | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) * +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1155 | - | - | - | - | - | - | - | - | - | Pump On |
| 1157 | 28.25 | 400 | 0.8 | 20.75 | 1.010 | 6.72 | — | 7.23 | -190.3 | * pH measured on Mettler-Toledo |
| 1159 | 28.25 | 400 | 1.6 | 20.94 | 1.015 | 6.70 | 1.46 | 5.42 | -200.0 | Toledo unit |
| 1201 | 28.25 | 400 | 2.4 | 20.99 | 1.019 | 6.68 | 0.98 | 4.66 | -203.2 | Sulfur odor |
| 1203 | 28.25 | 400 | 3.2 | 21.03 | 1.023 | 6.67 | 1.51 | 4.21 | -206.2 | |
| 1205 | 28.25 | 400 | 4.0 | 21.09 | 1.026 | 6.66 | 0.74 | 3.74 | -212.2 | |
| | | | | | | | | | | |
| 1210 | Collect CRCP-5852213-050 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

1330

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan
Location: Austin, TX
Well Identification: 5852314 (Mansville WSC)
Well Diameter: 12 inches
Screen Interval: Unknown
Pump/Purging Device: Private pump
Sample Time: 1350

Date: 3/26/12
Field Personnel: Kim Nguyen, Arthur Potts
Initial Water Level (ft, BTOC): 36.30
Well Depth (ft, BTOC): 60.00
Well Volume: 23.70' x 5.87 = 139 gal
Pump Intake Depth: Unknown
Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(ml/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1333 | - | - | - | - | - | - | - | - | - | Pump On ; 6 gal/min @ spigot |
| 1335 | — | 320 | — | 20.05 | 1.363 | 6.92 | 11.3 | 9.46 | 2.1 | *pH measured on Mettler Toledo |
| 1337 | — | 320 | — | 20.03 | 1.362 | 6.90 | 3.75 | 7.05 | 11.3 | WL meter is stuck - possibly by |
| 1339 | — | 320 | — | 20.05 | 1.360 | 6.90 | 1.37 | 6.77 | 13.6 | pump. |
| 1341 | 39.50 | 320 | — | 20.11 | 1.357 | 6.90 | 1.11 | 5.99 | 16.8 | WL measured w/ thin tape meter |
| 1343 | 40.04 | 320 | — | 20.12 | 1.356 | 6.89 | 0.84 | 5.60 | 18.4 | |
| 1345 | 40.13 | 320 | — | 20.13 | 1.355 | 7.00 | 0.89 | 5.37 | 20.6 | |
| 1347 | 40.25 | 320 | — | 20.09 | 1.354 | 7.01 | 0.82 | 5.25 | 22.1 | |
| 1349 | 40.38 | 320 | 5120 | 20.09 | 1.353 | 7.01 | 0.59 | 5.17 | 23.2 | |
| | | | | | | | | | | |
| 1350 | Collect CRCP-5852314-0501 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Location: Austin, TX

Well Identification: ATF Well 1

Well Diameter: 16 inches

Screen Interval: Unknown

Pump/Purging Device: Private pump/Garden Hose

Sample Time: 0940 at spigot

Date: 3/27/12

Field Personnel: Kim Nguyen, Arthur Potts

Initial Water Level (ft, BTOC): 26.33

Well Depth (ft, BTOC): 50.58

Well Volume: 24.25' × 10.44 = 253.17 gal

Pump Intake Depth: Unknown

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate (gal/min) ~~(mL/min)~~ | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 0922 | - | - | - | - | - | - | - | - | - | Pump On ; |
| 0924 | 42.08 | 4.5 | — | 21.40 | 1.679 | 6.72 | 2.94 | 10.50 | 46.6 | * pH measured on Mettler Toledo |
| 0926 | 41.96 | 4.5 | — | 21.45 | 1.677 | 6.71 | 0.60 | 7.65 | 41.9 | Pump actually pumping ~ 400 gal/min |
| 0928 | 42.00 | 4.5 | — | 21.46 | 1.675 | 6.71 | 0.35 | 5.96 | 383 | |
| 0930 | 42.00 | 4.5 | — | 21.45 | 1.673 | 6.70 | 0.11 | 4.81 | 34.1 | |
| 0932 | 42.00 | 4.5 | 4,000 | 21.46 | 1.672 | 6.70 | 0.36 | 4.33 | 32.0 | |
| | | | | | | | | | | |
| 0940 | CRCP-ATF1-050 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |

# Monitoring Well Purging Form

Project: Travis County - Colorado River Corridor Plan

Location: Austin, TX

Well Identification: Buchheit well

Well Diameter: 4 inches

Screen Interval: Unknown

Pump/Purging Device: Private pump/Garden hose

Sample Time: 1520

Date: 3/26/12

Field Personnel: Kim Nguyen, Arthur Potts

Initial Water Level (ft, BTOC): 25.33

Well Depth (ft, BTOC): 30.75

Well Volume: 5.42' × 0.65 = 3.5 gal

Pump Intake Depth: Unknown

Analyses/Notes: Ammonia (EPA 350.1), Cl/F/N/$SO_4$ (EPA 300.0), Ca/Mg/K/Na (EPA 200.7), $HCO_3/CO_3$ (SM2320B), Total Suspended Solids (SM 2540D)

| Time | Water Level (ft BTOC) | Purge Rate ~~(mL/min)~~ (gal/min) | Volume Purged (gal) | Temperature (°C) +/- 1°C | Specific Conductivity (mS/cm) +/- 5% | pH (SU) +/- 0.1 | Turbidity (NTU) <10 NTU or +/- 10% | DO (mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 1459 | - | - | - | - | - | - | - | - | - | Pump On |
| 1501 | 25.33 | ~3.0 | 6.0 | 23.48 | 1.069 | 6.92 | 0.31 | 7.42 | 106.6 | * pH measured on Mettle-Toledo |
| 1504 | 25.33 | ~3.0 | 15.0 | 23.19 | 1.059 | 6.88 | 0.08 | 6.03 | 96.0 | |
| 1506 | 25.33 | ~3.0 | 21.0 | 23.23 | 1.058 | 6.87 | 0.15 | 5.27 | 88.1 | Pump kicked on @ 1507 |
| 1508 | 25.48 | ~3.0 | 27.0 | 22.97 | 1.053 | 6.87 | 0.18 | 5.07 | 82.8 | |
| 1510 | 25.48 | ~3.0 | 33.0 | 22.73 | 1.047 | 6.87 | 0.19 | 4.87 | 80.3 | |
| 1512 | 25.33 | ~3.0 | 39.0 | 22.72 | 1.046 | 6.87 | 0.38 | 4.78 | 78.9 | |
| | | | | | | | | | | |
| 1520 | Collect CRCP-Buchheit-050 | | | | | | | | | |

| Well Diameter (in) | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 30 |
|---|---|---|---|---|---|---|---|---|
| Volume (gal/ft) | 0.16 | 0.37 | 0.65 | 1.02 | 1.47 | 2.61 | 4.08 | 36.70 |
| Volume (L/ft) | 0.62 | 1.40 | 2.46 | 3.86 | 5.56 | 9.88 | 15.44 | 138.93 |