

NPDES 2006/2007 Water Quality Monitoring Event #1 (Wet), Dec 9-10, 2006 Summary

Sampling Duration = 24 Hours, 0.25" rainfall forecasted

Approximate Monitoring Duration = 12/9/06 21:00 to 12/10/06 21:00

Actual Sampling Duration(s):

ME-CC = 24 Hrs. ME-SCR = 24 Hrs. ME-VR2 = 24 Hrs.

A-1 = 24 Hrs. W-3 = 24 Hrs. W-4 = 24 Hrs.

Sampling Crew: David Thomas, Tommy Liddell

Weather Conditions: Raining, cold.

Field Calibration of Equipment: Beckman 255 pH meter calibrated on 12/05/06 (pH buffer standards: 4.0, 7.0, and 10.0.)

ME-CC Calleguas Creek (CSUCI Bridge)

(MS/MSD)

- 12/9/06 @ 13:30
4230: 1.388', 30 cfs, programmed for flow-paced sampling, trigger = 100,000 cf (VTS table = dry antecedent conditions, 18 L, .25" rain)
6712: Program => 1 pulse at start, 96 samples, 200 mL/sample, start date/time 12/9/06 @ 21:00.
- 12/9/06 @ 19:15
4230: 1.465', 47 cfs
6712: Adjust start time = 19:20, sample 1 volume = good.
- 12/9/06 @ 23:30
4230: 1.874', 190 cfs
6712: Sample 14 after 1 pulse
Grab samples: Taken at check dam @ 23:30, temp. = 14.5° C, field pH = 7.98
- 12/11/06 @ 11:30
4230: 1.368', 6 cfs @ 11:39
6712: "Program: Extended 1 in done", bottle is full, pump tubing = 794,764
Composite samples: Pulled @ 11:40, 20 L total volume.
Follow-up: none

ME-SCR Santa Clara River (Freeman Diversion)

- 12/9/06 @ 15:00
4210: -0.009', 0 cfs, NOTE: No flow over dam
6712: Programmed for time-paced sampling, 15 min. per sample, 4 bottles, 36 samples per bottle, 200 mL per sample, start date/time 12/9/06 @ 21:00
- 12/10/06 @ 00:15
4210: 0.031', 1 cfs, NOTE: Dam not spilling, roller gate is open, canal is not flowing.
Grab samples: Taken d/s roller gate on rock rip rap @ 00:15, temp. = 13.2° C, field pH = 8.19
- 12/11/06 @ 12:50
4210: 0.006', 01 cfs, @ 12:50
6712: "Program: Santa Clara is done; Warning, replace pump tubing; Errors have occurred during program" bottles #1= 9.5 L, #2 = 9 L, #3 = 8 L, #4 = 8 L.
Composite samples: Pulled @ 12:50

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Follow-up: None

ME-VR2 Ventura River (Ojai Valley Sanitation District)

MB-1 (Field Blanks)

- 12/9/06 @ 12:00
4230: 1.120', 2 cfs @ 12:15, programmed for flow-paced sampling, trigger = 15,000 cf (VTS table = dry antecedent conditions, 18 L, .25" rain)
6712: Program sampler, 1 pulse at start, 4 bottles, 24 samples per bottle, 200 mL/sample, start 12/9/06 @ 21:00, max. run time 24 hrs, pump tubing = 242,265 (NOTE: 200 mL is delivering approx. 330 mL).
- 12/9/06 @ 18:27
4230: 1.111', 1 cfs @ 18:35
6712: Adjust start time = 18:35, sample 1 volume = good.
- 12/10/06 @ 03:26
4230: 1.153', 4 cfs
6712: 13, 24 bottle #1 after 1 pulse, bottle #1 = 2-3 L (@ bottom of second band)
Grabs: Upstream intake line @ 03:30, temp. = 11.5° C, field pH = 8.2
- 12/11/06 @ 10:30
4230: 1.143', 4 cfs @ 10:30
6712: "Program: ME-VR2 is done", bottle #1 = 5 L, #2 = 2 L, #3 = 0.
MB-1 (Field Blanks) taken @ 10:30
Composite samples: Pulled at 10:30 = approx. 7 L total volume.
Follow-up: none

A-1 (Wood Road)

D-1 (Lab Duplicate)

- 12/9/06 @ 14:15
4250: 0.188', 1.18 cfs
6712: Programmed for time-paced sampling, 15 min., 4 bottles, 24 samples per bottle, 200 mL per sample, start date/time 12/9/06 @ 21:00
- 12/9/06 @ 19:46
4250: 1.143', 0.55 cfs
6712: Re-programmed start time 19:40, sample looks good, liquid detector failure
- 12/9/06 @ 22:30
Grabs: At ditch inlet @ 22:30, temp = 14.0° C, pH = 7.86
- 12/11/06 @ 11:09
4250: 0.155', 0.74 cfs
6712: "Program Wood Road is done", bottles #1 thru #4 = 2.5 L each
Composite samples: Pulled at 11:10, approx. 10 L total volume.
Follow-up: none

I-2 (Ortega)

- 12/10/06 @ 21:10
Toxicity grabs only @ 21:10

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R-1 (Swan)

- 12/10/06 @ 20:42
Toxicity grabs only @ 20:42

W-3 (La Vista Drain)

- 12/9/06 @ 14:36
4250: 0.022', 0 cfs
6712: Programmed for time-paced sampling, 15 min., 4 bottles, 36 samples per bottle, 200 mL per sample, start date/time 12/9/06 @ 21:00
- 12/9/06 @ 21:44
4250: 0.217', 1.3 cfs, 1.79*ft/s, o/s = 0.4', adjust level = 0.4'
4250: 0.402', 2.5 cfs, 0.79*ft/s
6712: 5, 36 bottle #1 in 00:13:00 @ 21:47, bottle #1 = approx. 1L (@ top of bottom ring)
Grabs: At end of wing wall @ 21:40, temp = NOT taken :\
12/11/06 @ xx:xx
4250: 0.182', 2 cfs @ no flow
6712: "Program: La Vista is done, errors have occurred during program", bottle #1 = 5L, #2 = 1L
Composite samples: Pulled at 12:30, approx. 6L total volume.

W-4 (Revolon Slough)

- 12/9/06 @ 14:09
4250: 1.107', 42 cfs
6712: Programmed for time-paced sampling, 15 min., 4 bottles, 36 samples per bottle, 200 mL per sample, start date/time 12/9/06 @ 21:00
- 12/9/06 @ 19:41
4250: 1.560', 132 cfs
6712: Re-programmed start time 19:41,
6712 ERROR: Distribution arm jammed, remove 6712 pump head, connection inside offset by 1 pin, corrected.
6712: Re-start program @ 20:00, sample volume = 2 L, stopped, clean liquid detect sensor, grab sample 200 mL = volume looks good, Re-start program @ 20:11
- 12/9/06 @ 23:00
Grabs: At middle of bridge @ 23:00, temp = 13.6° C, pH = 7.28

NPDES 2006/2007 Event #1 (Wet)

W-4 (Revolon Slough) continued

- 12/11/06 @ 11:06
4250: 1.322', 77 cfs
6712: "Program: extended 1 is done", bottle #1 = very full, spilled, #2 = 8 L, #3 = 8 L, #4 = 7 L
Composite samples: Pulled @ 11:15, bottle #1 very thick w/ sediment.

Sample Tracking

- Bacteria samples to ABC on 12/10/06 @ 02:57 (6 hr hold time), and ME-VR2 @ 04:00 .
- Toxicity samples to ABC on 12/10/06 @ 03:00, and ME-VR2 @ 04:00
- Grab and composite samples to CRG on 12/11/06 @ 13:45, picked up by CRG staff (Charles Gossett) at Saticoy Operations Yard.

NPDES 2006/2007 Water Quality Monitoring Event #2 (Wet), Jan 27-29, 2007 Summary

Sampling Duration = 48 Hours, 0.25" rainfall forecasted

Approximate Monitoring Duration = 01/27/07 to 01/29/07

Actual Sampling Duration(s):

ME-CC = 19-3/4 Hrs. ME-SCR = 47 Hrs. ME-VR2 = 23 Hrs.

Sampling Crew: David Thomas, Tommy Liddell

Weather Conditions: Raining, cold.

ME-CC Calleguas Creek (CSUCI Bridge)

MB-1 (Field Blanks)

- 01/27/07 @ 08:30
4230: 1.30', 16 cfs, programmed for flow-paced sampling, trigger = 100,000 cf (VTS table = dry antecedent conditions, 18 L, .25" rain)
6712: Program => 1 pulse at start, 96 samples, 200 mL/sample, start date/time 01/27/07 @ 08:30.
- 01/27/07 @ 18:40
4230: 1.719', 126 cfs
6712: Sample 16 after 1 pulses, bottle = 3-4 L
4230: 1.874', 190 cfs
6712: Sample 14 after 1 pulse
Grab samples: Taken at check dam @ 19:00, temp. = 14.9° C.
- 01/29/07
4230: 1.451, 44 cfs
6712: "Program is done", bottle is full, pump tubing = 1,060,034
Composite samples:
COMPOSITE BOTTLE DAMAGED: Composite bottle had a crack and sample volume was lost when pulled out of sampler for analysis.
NOTE: Composite field Blank samples NOT taken due to lost composite.
Follow-up: Double check all composite bottles in lab and prior to installation in sampler(s) for cracks.

ME-SCR Santa Clara River (Freeman Diversion)

(MS/MSD)

- 01/27/07 @ 11:05
4210: 0.0', 0 cfs, NOTE: No flow over dam or through roller gate, UWCD diverting all flow.
6712: Programmed for time-paced sampling, 30 min. per sample, 4 bottles, 24 samples per bottle, 200 mL per sample, start date/time 01/27/07 @ 11:15, Observed sample 1, volume looked good.
- 01/27/07 @ 19:30
4210: 0.055', 2 cfs.
6712: 18, 24 bottle 1 in 00:03:00, bottle 1 = 4L
Grab samples: Taken in canal @ 19:45, temp. = 13.3° C.
- 01/29/07 @ 10:30
4210:
6712: 24, 24 bottle 4 in 00:20:00, stop program @ 10:30, bottles #1= 4.5 L, #2 = 4 L, #3 = 4.5 L, #4 = 4.5 L.
Composite samples: Pulled 20 L @ 10:30
Follow-up: None

NPDES 2006/2007 Event #2 (Wet)

ME-VR2 Ventura River (Ojai Valley Sanitation District)

MD-1 (Field Duplicates)

- 01/27/07 @ 10:15
4230: 1.222, 9 cfs, programmed for flow-paced sampling, trigger = 15,000 cf (VTS table = dry antecedent conditions, 18 L, .25" rain)
6712: Program sampler, 1 pulse at start, 4 bottles, 24 samples per bottle, 200 mL/sample, start 01/27/07 @ 10:30, max. run time 48 hrs, pump tubing = 224,041 (NOTE: 200 mL is delivering approx. 330 mL).
- 01/27/07 @ 22:00
4230: 1.265, 12 cfs.
6712: 9, 24 bottle 2 after 1 pulses, bottle 1 = 5L, 2 = 2L
Grabs: Upstream intake line @ 22:00 temp. = 14.2° C.
- 01/29/07 @ 12:00 noon
4230: 1.240, 11 cfs @ 12:00
6712: "Program: ME-VR2 is done", bottle #1 thru 4= 5 L.
Composite samples: Pulled at 12:00 = approx. 20 L total volume.
Follow-up: none

Sample Tracking

- Bacteria samples to VCHCA on 01/27/07 @ 23:10.
- Toxicity samples to ABC on 01/28/07 @ 09:55.
- Grab and composite samples to CRG on 01/29/07 @ 12:30, picked up by CRG staff (Chuck) at Saticoy Operations Yard.

NPDES 2006/2007 Water Quality Monitoring Event #3 (Wet), Feb 22-23, 2007 Summary

Sampling Duration = 24 Hours, 0.50" - 0.75" rainfall forecasted
Approximate Monitoring Duration = 24 hours, 02/22/07 @ 12:00 noon to
02/23/07 @ 12:00 noon

Actual Sampling Duration(s):

ME-CC = 23.5 Hrs. ME-SCR = 24.25 Hrs. ME-VR2 = 22.5 Hrs.

Actual Rain Amounts:

ME-CC = 0.31 ME-SCR = 0.35 ME-VR2 = 0.38

USCR = 0.36

Sampling Crew: David Thomas, Tommy Liddell

Weather Conditions: Raining, cold.

ME-CC Calleguas Creek (CSUCI Bridge)

MS/MSD

- 02/22/07 @ 09:30
4230: 1.439', 41 cfs, programmed for flow-paced sampling, trigger = 160,000 cf (VTS table = dry antecedent conditions, 18 L, .25"/.50" rain)
6712: Program => 1 pulse at start, 96 samples, 200 mL/sample, start date/time 02/22/07 @ 10:00.
- 02/22/07 @ 17:45
4230: 1.653', 102 cfs
6712: Sample 9 after 1 pulses, bottle = 2 L
Grab samples: Taken at check dam @ 18:00, temp = 16.3° C.
- 02/23/07
4230: 1.477', 50 cfs
6712: Sample 52 after 1 pulses, stop program @10:03, bottle = 11 L, pump tubing = 545,915
Composite samples: Pull composite @ 10:00
Follow-up: none

ME-SCR Santa Clara River (Freeman Diversion)

MB-1 (Field Blank)

- 02/21/07 @ 14:15
4210: 0.003', 0 cfs, NOTE: No flow over dam or through roller gate, UWCD diverting all flow.
6712: Programmed for time-paced sampling, 30 min. per sample, 4 bottles, 24 samples per bottle, 200 mL per sample, start date/time 02/22/07 @ 15:00
- 02/22/07
6712: Re-Program start time 02/22/07 @ 10:00
- 02/22/07 @ 16:55
4210: 0.026', 0 cfs
6712: 21, 24 bottle 1 in 00:05:00, bottle 1 = 4.5 L
Grab samples: Taken in canal @ 17:00, temp = 15.6° C.

NPDES 2006/2007 Event #3 (Wet)

ME-SCR continued

- 02/23/07 @ 11:25
4210: 0.008', 0 cfs
6712: 23, 24 bottle 4 in 00:04:00, "Errors have occurred during program", stop program @ 11:26, bottles #1= 5 L, #2 = 5 L, #3 = 4.5 L, #4 = 4.5 L
pump tubing = 812.000
Composite samples: Pulled 20 L @ 11:30
MB-1 (Field Blanks) collected @ 11:20
Follow-up: None

ME-VR2 Ventura River (Ojai Valley Sanitation District)

- 02/22/07
4230: 1.163', 5 cfs, programmed for flow-paced sampling, trigger = 20,000 cf (VTS table = dry antecedent conditions, 18 L, .25"/0.50" rain)
6712: Program sampler, 1 pulse at start, 4 bottles, 24 samples per bottle, 200 mL/sample, start 02/22/07 @ 10:00, max. run time 24 hrs (NOTE: 200 mL is delivering approx. 330 mL).
- 02/22/07 @ 14:45
4230: 1.239, 10 cfs.
6712: 7, 24 bottle 1 after 1 pulses, bottle 1 = 2 L
- 02/22/07
4230: 1.236', 10 cfs @ 15:45, Re-Program trigger = 18,000 (ref. 10 cfs, 600 cfm, 36,000 cfh = 18,000 cf 1/2h @ 10 cfs)
6712: 9, 24 bottle 1 after 1 pulse,
Grab samples: Upstream intake line @ 16:00, temp = 15° C.
- 02/23/07 @ 8:55
4230: 1.214', 9 cfs @ 8:55
6712: 18, 24 bottle 2 after 1 pulse, Stop program @ 08:58, bottle #1 = 6 L, #2 = 3 L.
pump tubing = 237,893
Composite samples: Pulled @ 9:00 = approx. 9 L total volume.
Follow-up: none

Sample Tracking

- Bacteria samples to VCHCA on 02/22/07 @ 20:18.
- Toxicity samples to ABC on 02/23/07 @ 08:30.
- Grab and composite samples to CRG on 02/23/07 @ 14:40, picked up by CRG staff (Chuck and Adam) at Saticoy Operations Yard.

NPDES 2006/2007 Water Quality Monitoring Event #4 (Wet), April 20-21, 2007 Summary

Sampling Duration = 24 Hours, 0.50" - 0.75" rainfall forecasted
Monitoring Duration = 04/20/07 @ 06:40 to 04/21/07 @ 09:00

Actual Sampling Duration(s):

ME-CC = 26 Hrs. ME-SCR = 24 Hrs. ME-VR2 = 23.5 Hrs.

Actual Rain Amounts:

ME-CC = 0.47 ME-SCR = 0.98 ME-VR2 = 0.68

USCR = 0.51

Sampling Crew: David Thomas, Tommy Liddell

Weather Conditions: Raining, cold.

ME-CC Calleguas Creek (CSUCI Bridge)

- 04/20/07 @ 06:35
4230: 1.385', 29 cfs, programmed for flow-paced sampling, trigger = 170,000 cf (VTS table = dry antecedent conditions, 18 L, .3/8" rain)
6712: Program => 1 pulse at start, 96 samples, 200 mL/sample, start date/time 04/20/07 @ 06:40.
- 04/20/07 @ 10:45
4230: 1.532', 64 cfs, Adjust trigger = 250,000 cf due to rain totals at 0.50" as of 10:00.
6712: Sample 5 after 1 pulses, bottle = 1 L
- 04/20/07 @ 12:00
4230: 1.608', 87 cfs @ 12:03
6712: Sample 6 after 1 pulse
Grab samples: Taken at check dam @ 12:30, temp = 15.8° C, field pH 7.7
4230: 1.713', 124 cfs @ 12:39
6712: Sample 7 after 1 pulse
- 04/21/07
4230: 1.404', 33 cfs
6712: Sample 47 after 1 pulses, stop program @09:00, bottle = 10 L, pump tubing = 394,599
Composite samples: Pull composite @ 09:00
Follow-up: none

ME-SCR Santa Clara River (Freeman Diversion)

MD-1 (Field Duplicate)

- 04/20/07
4210: 0.007', 0 cfs, NOTE: No flow over dam or through roller gate, UWCD diverting all flow.
6712: Programmed for time-paced sampling, 15 min. per sample, 4 bottles, 24 samples per bottle, 200 mL per sample, start date/time 04/22/07 @ 08:06, sample 1 error due to intake line in sediment. Restart program @ 08:15, sample 1 = ok, sediment noted in sample collected

NPDES 2006/2007 Event #4 (Wet)

ME-SCR continued

- 04/20/07
4210: 0.045', 2 cfs @ 14:10
6712: 1, 24 bottle 2 in 00:02, bottle 1 = 4.5 L
Grab samples: Taken in canal @ 14:15, temp = 14.8° C, field pH = 8.0
- 04/21/07
4210: 0.008', 0 cfs @ 12:03
6712: "Program ME-SCR is done", "Errors have occurred during program",
bottles #1= 4.5 L, #2 = 3.0 L, #3 = 3.0 L, #4 = 7.0 L.
pump tubing = 881.785
Composite samples: Pulled 20 L @ 12:00 noon
Follow-up: None

ME-VR2 Ventura River (Ojai Valley Sanitation District)

- 04/20/07 @ 07:15
4230: 1.158', 5 cfs, programmed for flow-paced sampling, trigger =
25,000 cf (VTS table = dry antecedent conditions, 18 L, .38" rain)
6712: Program sampler, 1 pulse at start, 4 bottles, 24 samples per bottle,
200 mL/sample, start 04/20/07 @ 07:15, max. run time 24 hrs
(NOTE: 200 mL is delivering approx. 450 mL).
Program error, sample 2 taken after sample 1, this was due to the 4230
being turned off to change power from 110v to 12-volt system.
Program restarted without error.
- 04/20/07
4230: 1.194, 7 cfs @ 13:20, adjust pacing = 20,000 cf due to rain
amounts closer to forecasted 0.50" totals.
Grab samples: Upstream intake line @ 13:30, temp = 16.5° C, field pH =
8.2.
- 04/21/07
4230: 1.172', 5 cfs @ 10:00
6712: "Program ME-VR2 is done", bottle #1 = 5.5 L, #2 = 1.0 L.
pump tubing = 402,498
Composite samples: Pulled @ 10:00 = approx. 6.5 L total volume.
Follow-up: none

Sample Tracking

- Bacteria samples to VCHCA on 04/20/07 @ 16:50.
- Toxicity samples not collected.
- Grab and composite samples to CRG on 04/21/07 @ 12:50, picked up by
CRG staff (Chuck) at Saticoy Operations Yard.

NPDES 2006/2007 Water Quality Monitoring Event #5 (Dry), May 15-16, 2007 Summary

Sampling Duration = 24 Hours, 0.0" rainfall forecasted

Monitoring Duration = 05/15/07 @ 06:00 to 05/16/07 @ 06:00

Actual Sampling Duration(s):

ME-CC = 26 Hrs.

ME-SCR = 24 Hrs.

ME-VR2 = 21 Hrs.

Sampling Crew: David Thomas, Tommy Liddell

Weather Conditions: May Grey, cool.

ME-CC Calleguas Creek (CSUCI Bridge)

MB-1 (Field Blanks)

▪ 05/14/07

4230: 1.372', 27 cfs, programmed for flow-paced sampling, trigger = 23,400 cf

calculated 26 cfs (60 min.) = 1,560 cfm (15 min.) = 23,400 cf 15 min.

o/s: 1.36', 3 - 12 volt batteries = 14.01v

4230: adjust level = 1.36', 25 cfs

6712: Program => 1 pulse at start, 96 samples, 200 mL/sample, start date/time 05/15/07 @ 06:00.

▪ 05/15/07 @ 10:55

4230: 1.302', 16 cfs

6712: Sample 12 after 1 pulses, bottle = +2 L

Grab samples: Taken at check dam @ 11:00, temp = 19.4° C, field pH 8.1

4230: 1.318', 18 cfs @ 11:14,

o/s: 1.34',

4230: adjust level = 1.34', 1.337', 21 cfs, 1.339, 22 cfs @ 11:15

▪ 05/16/07

4230: 1.317', 18 cfs @ 09:50

6712: Sample 78 after 1 pulses, stop program @09:50, bottle = 18 L, pump tubing = 656,202

Composite samples: Pull composite @ 09:50

Field Blanks: MB-1 Metals & Organics @ 09:50

Follow-up: none

ME-SCR Santa Clara River (Freeman Diversion)

MS/MSD

▪ 05/14/07

4210: Re-install flowmeter and cables, painted inside of enclosure last Friday, 05/11/07.

6712: Programmed for time-paced sampling, 15 min. per sample, 4 bottles, 24 samples per bottle, 200 mL per sample, start date/time 05/15/07 @ 06:00

NPDES 2006/2007 Event #5 (Dry)

ME-SCR continued

- 05/15/07
4210: -0.017', 0 cfs @ 12:05
6712: 2, 24 bottle 2 in 00:09, bottle 1 = 5.5 L, 2 = 200 mL
Grab samples: Taken in canal @ 12:30, temp = 17.7° C, field pH = 8.3
- 05/16/07
4210: 0.001', 0 cfs @ 09:10
6712: "Program ME-SCR is done", "Errors have occurred during program",
bottles #1 - 4 = 4.5 L
pump tubing = 343,155
Composite samples: Pulled 20 L @ 09:15
Follow-up: None

ME-VR2 Ventura River (Ojai Valley Sanitation District)

- 05/14/07
4230: 1.198', 8 cfs, programmed for flow-paced sampling, trigger = 5,000 cf
calculated = 5 cfs (60min.) = 300 cfm (15 min.) = 4,500 cf cf 15 min.
calculated = 8 cfs (60min.) = 480 cfm (15 min.) = 7,200 cf cf 15 min)
6712: Program sampler, 1 pulse at start, 4 bottles, 24 samples per bottle,
200 mL/sample, start 05/15/07 @ 06:00, max. run time 24 hrs
(NOTE: 200 mL is delivering approx. 450 mL).
- 05/15/07
4230: 1.185, 7 cfs @ 10:00
6712: 21, 24 bottle 1 after 1 pulse, bottle 1 = 5 L
Grab samples: u/s intake line @ 10:15, temp = 17.1° C, field pH = 8.1.
- 05/16/07
4230: 1.185', 7 cfs @ 10:40
6712: "Program ME-VR2 is done", "Errors have occurred", bottle #1 = 6 L, #2 = 6 L, #3 = 5 L, #4 = 4.5 L.
pump tubing = 881,104
Composite samples: Pulled @ 10:45 = 20 L total volume.
Follow-up: none

Sample Tracking

- Bacteria samples to VCHCA on 05/15/07 @ 13:00.
- Toxicity samples to ABC on 05/15/07 @ 13:40.
- Grab and composite samples to CRG on 05/16/07 @ 13:23, picked up by CRG staff (Chuck) at Saticoy Operations Yard.

NPDES 2006/2007 Water Quality Monitoring Event #6 (Dry), June 12-13, 2007 Summary

Sampling Duration = 24 Hours, 0.0" rainfall forecasted

Monitoring Duration = 06/12/07 @ 07:00 to 06/13/07 @ 07:00

Actual Sampling Duration(s):

ME-CC = 28.0 Hrs. ME-SCR = 24.0 Hrs. ME-VR2 = 24.0 Hrs.

Sampling Crew: David Thomas, Tommy Liddell

Weather Conditions: Clear, warm.

ME-CC Calleguas Creek (CSUCI Bridge)

- 06/11/07
4230: 1.370', 26 cfs, programmed for flow-paced sampling, trigger = 22,500 cf, calculated 25 cfs (60 min.) = 1,500 cfm (15 min.) = 22,500 cf 15 min.
6712: Program flow paced, 1 pulses, sample at start, 96 samples, 200 mL/sample, start date/time 06/12/07 @ 07:00.
- 06/12/07
4230: 1.383', 29 cfs
6712: Sample 23 after 1 pulses, bottle = 2 L
Grab samples: Taken at check dam @ 12:45, temp = 25.6° C, field pH 8.1
- 06/13/07
4230: 1.328', 20 cfs @ 11:10
6712: Sample 94 after 1 pulses, stop program @ 11:10, bottle = full
Composite samples: Pull composite @ 11:15
Follow-up: none

ME-SCR Santa Clara River (Freeman Diversion)

MD-1 Field Duplicates

- 06/11/07
4210: -0.018', 0 cfs @ 14:36
6712: Programmed for time-paced sampling, 15 min. per sample, 4 bottles, 24 samples per bottle, 200 mL per sample, start date/time 06/12/07 @ 07:00, Intake line @ trash rack.
- 06/12/07
4210: 0.023', 0 cfs @ 13:13
6712: 2, 24 bottle 2 in 01:00, observed sample #2, volume looks good, bottle 1 = 4.5 L, 2 = 1 L
Grab samples: Taken in canal @ 13:20, temp = 25.6° C, field pH = 8.2
- 06/13/07
4210: 0.028', 1 cfs @ 10:25, dam not spilling
6712: "Program ME-SCR is done", bottles #1 - 4 = 4.5 L each, pump tubing = 645,352
Composite samples: Pulled 20 L @ 10:30
Follow-up: None

NPDES 2006/2007 Event #6 (Dry)

ME-VR2 Ventura River (Ojai Valley Sanitation District)

MS/MSD

- 06/11/07
4230: 1.215', 9 cfs, programmed for flow-paced sampling, trigger = 5,000 cf, calculated = 9 cfs (60min.) = 540 cfm (15 min.) = 8,100 cf 15 min.
NOTE: Event 5 trigger was 5,000 cf
6712: Program sampler, 1 pulse at start, 4 bottles, 24 samples per bottle, 200 mL/sample, start 06/12/07 @ 07:00, max. run time 24 hrs
(NOTE: 200 mL is delivering approx. 400 mL).
- 06/12/07
4230: 1.212, 9 cfs @ 11:02, adjust trigger = 9,000 due to sample timing.
6712: 3, 24 bottle 2 after 1 pulse, errors have occurred, bottle 1 = 7 L, bottle 2 = 0.5 L
Grab samples: u/s intake line @ 11:15, temp = 20.3° C, field pH = 8.3.
- 06/13/07
4230: 1.218', 9 cfs @ 11:50
6712: "Program ME-VR2 is done", "Errors have occurred", bottle #1 = 7 L, #7 = 6 L, #3 = 5 L, #4 = 3 L, total = 22 L.
Composite samples: Pulled @ 12:00 = 20 L total volume.
Follow-up: none

Sample Tracking

- Bacteria samples to VCHCA on 06/12/07 @ 13:52.
- Toxicity samples NOT collected.
- Grab and composite samples to CRG on 06/13/07 @ 13:20, picked up by CRG staff (Chuck) at Saticoy Operations Yard.